

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		3. Lease Designation and Serial No. Federal #J-33992	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name n/a	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		7. Unit Agreement Name Jonah Unit	
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division		8. Farm or Lease Name Balcron Monument Federal	
3. Address of Operator P.O. Box 21017; Billings, MT 59104		9. Well No. #32-1J	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 2143' DNL, 1987' FEL At proposed prod. zone		10. Field and Pool, or Wildcat Monument Butte/Green River	
14. Distance in miles and direction from nearest town or post office* Approximately 16 miles SW of Myton, UT		11. 00, Sec., T., R., N., or S., and Survey or Area SW NE Sec. 1, T9S, R16E	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest dir. line, if any)		16. No. of acres in lease	17. No. of acres assigned to this well
18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth 5,950'	20. Rotary or cable tools Rotary
21. Elevations (Show whether DF, RT, GR, etc.) 5398.4' GL		22. Approx. date work will start* Upon APD approval	
23. PROPOSED CASING AND CEMENTING PROGRAM			
Size of Hole	Size of Casing	Weight per Foot	Setting Depth
Quantity of Cement			
See attached			

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

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RECEIVED

OCT 22 1993

DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.  
 Signed: Bobbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: October 20, 1993

(This space for Federal or State office use)

API NO. 43-013-31414 Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_ DATE: 11/22/93

Conditions of approval, if any: \_\_\_\_\_ BY: Matthew

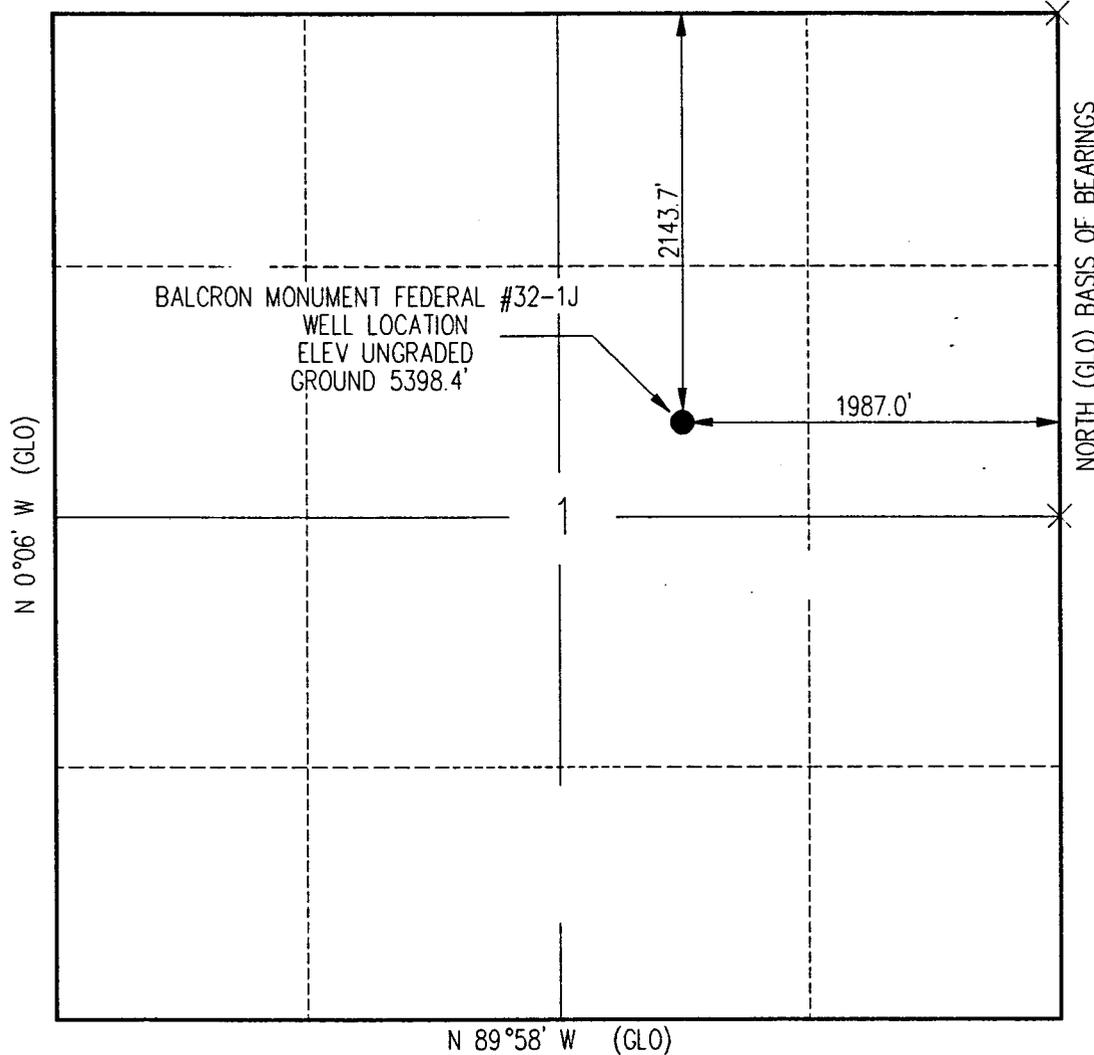
WELL SPACING: 649-2-3

\*See Instructions On Reverse Side

EXHIBIT "F"

T9S, R16E, S.L.B. & M.

S 89°57' E (GLO)

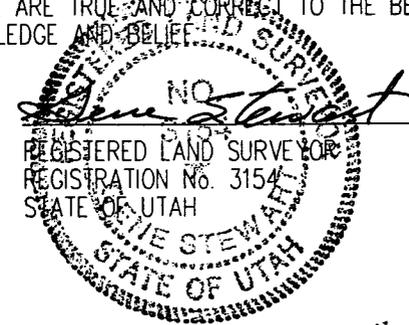


EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #32-1J, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 1, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WEATHER: CLEAR & HOT
DATE: 9/1/93
SCALE: 1" = 1000'
SURVEYED BY: SS DP
FILE: MF 32-1J



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil **CONFIDENTIAL**

3. ADDRESS OF OPERATOR  
P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
2143' FNL, 1987' FEL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 16 miles SW of Myton, UT

16. NO. OF ACRES IN LEASE  
17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
19. PROPOSED DEPTH  
~~6,000~~ 5,950'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5398.4' GL

22. APPROX. DATE WORK WILL START\*  
Upon APD Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "E" EVIDENCE OF BOND COVERAGE
- "F" SURVEY PLAT
- "G" RIG LAYOUT
- "H" BOPE DIAGRAM
- "I" EXISTING ROADS (Map A)
- "J" PLANNED ACCESS (Map B)
- "K" EXISTING WELLS (Map C)
- "L" CUT & FILL DIAGRAM

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OCT 22 1993

DIVISION OF  
OIL, GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE October 20, 1993

(This space for Federal or State office use)

PERMIT NO. 43-013-31414 APPROVAL DATE \_\_\_\_\_

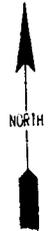
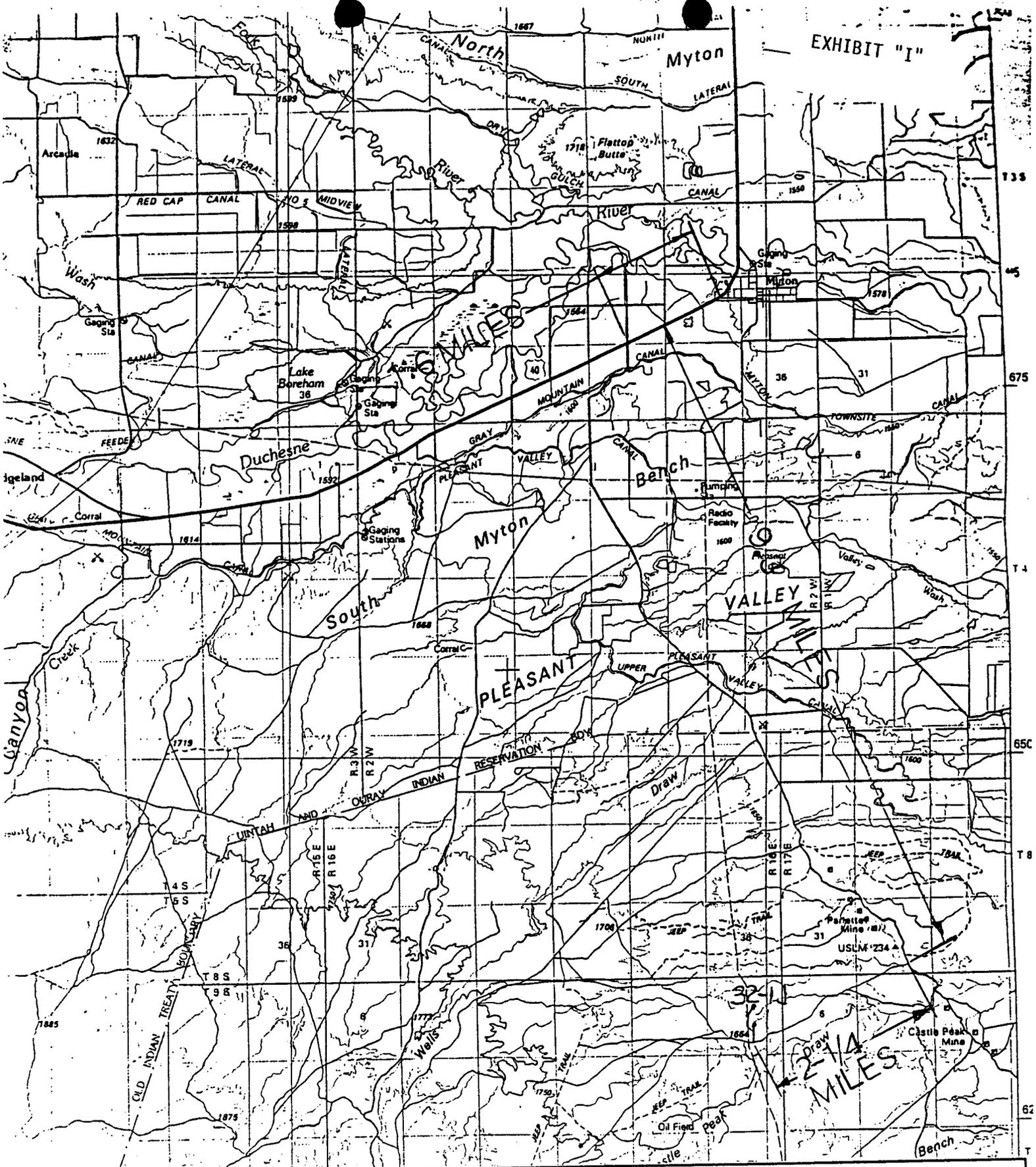
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

EXHIBIT "I"

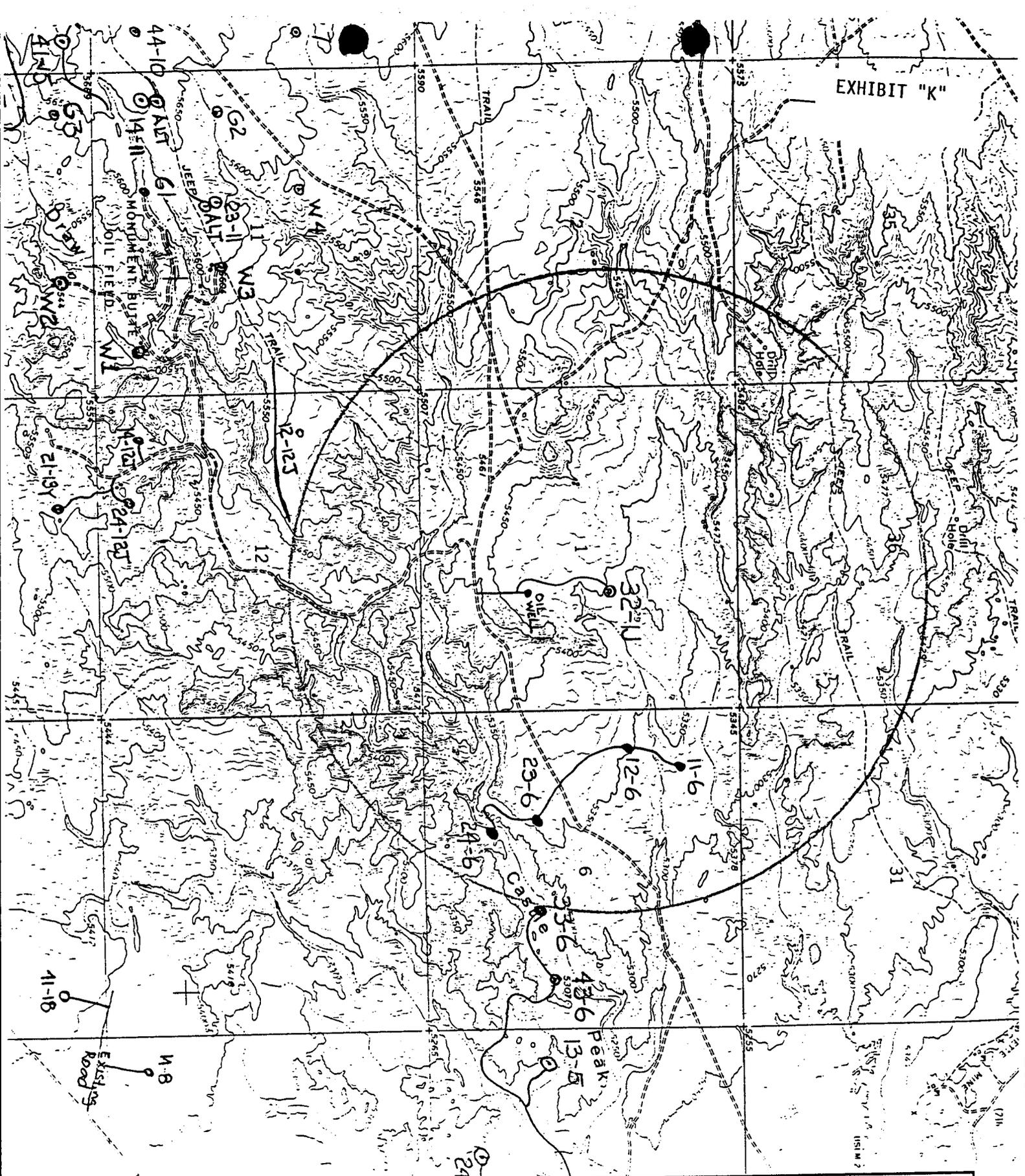


EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #32-1J  
 MAP "A"

TRI-STATE  
 LAND SURVEYING, INC.  
 38 WEST 100 NORTH, VERNAL, UTAH 84078  
 801-781-2501

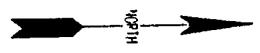


EXHIBIT "K"

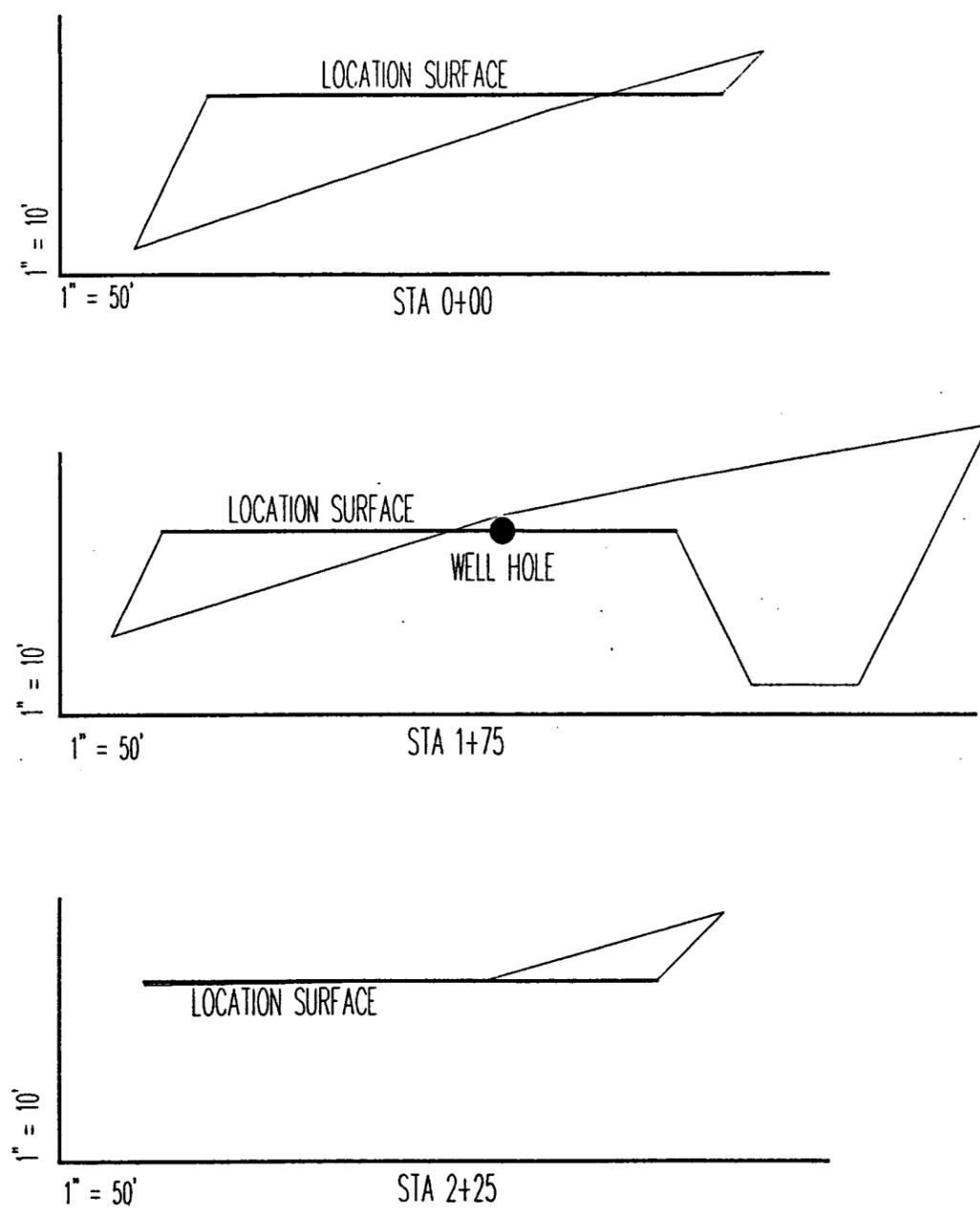
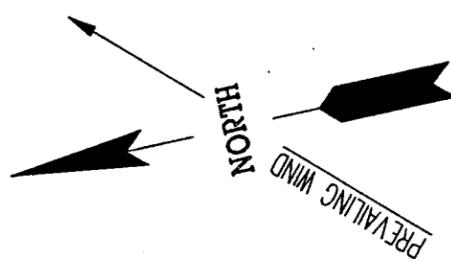
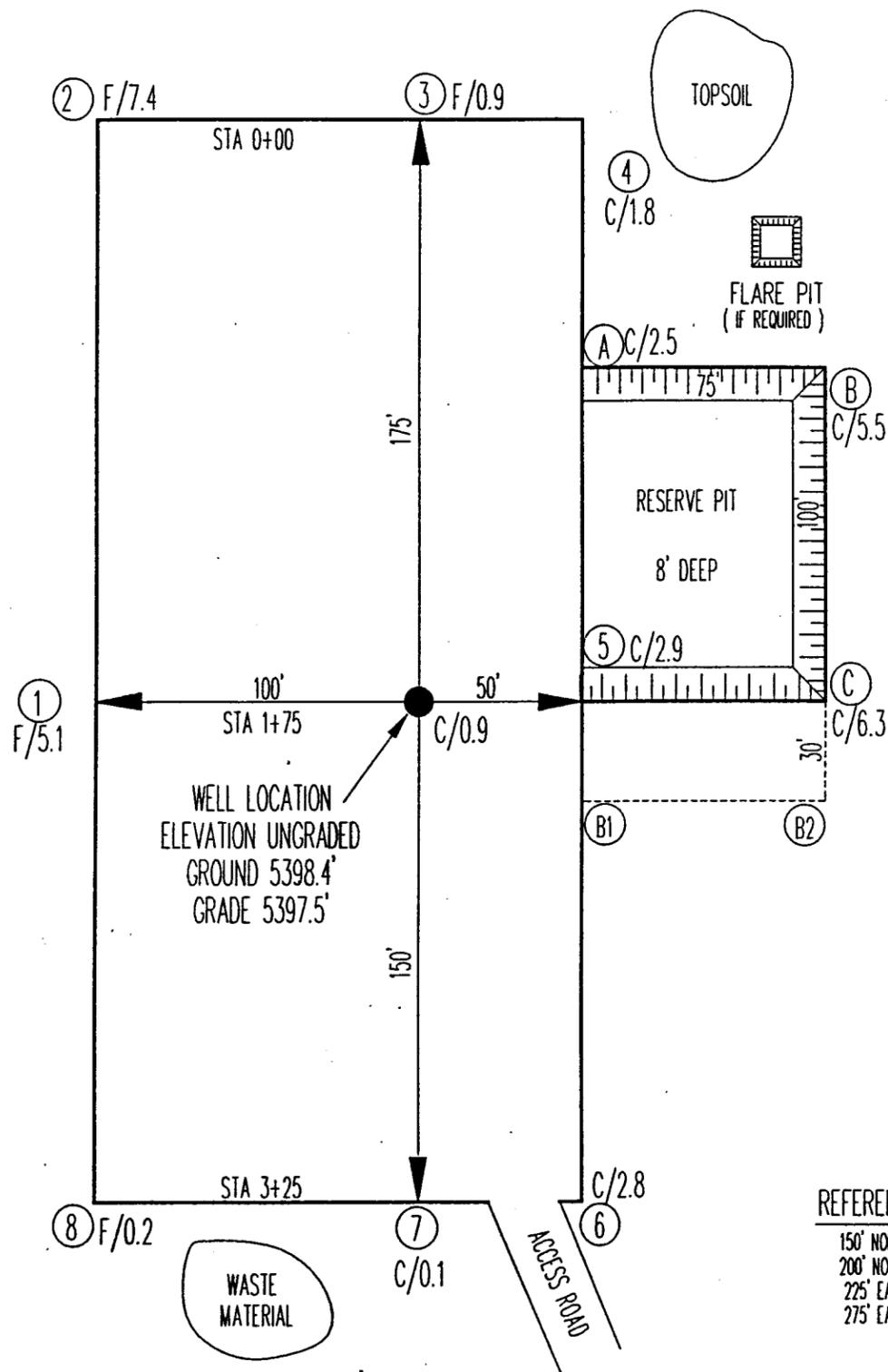


EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #32-1J  
 MAP "C"

TRI-STATE  
 LAND SURVEYING, INC.  
 33 WEST 100 NORTH, VERNAL, UTAH 84078  
 801-781-2501



EQUITABLE RESOURCES ENERGY CO.  
BALCRON MONUMENT FEDERAL #32-1J



REFERENCE POINTS

150' NORTH	5393.7'
200' NORTH	5394.9'
225' EAST	5395.5'
275' EAST	5388.6'

APPROXIMATE YARDAGE

CUT	= 2500 Cu Yds
FILL	= 2484 Cu Yds
PIT	= 1826 Cu Yds

**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501

# **CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.**

Equitable Resources Energy Company  
Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #32-1J  
SW NE Section 1-T9S-R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON MONUMENT FEDERAL #32-1J  
SW NE Section 1, T9S, R16E  
DUCHESNE COUNTY, UTAH

**1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)**

- A. The proposed well site is staked and four reference stakes are present. 150' & 200' North and 225' & 275' East.
- B. The Monument Federal #32-1J is located approximately 16 miles Southwesterly of Myton Utah, in the SW1/4 NE1/4 Section 1, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 32-1J, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with Monument Butte Gas Plant road. Proceed West along said Gas Plant road 2.25 miles to road intersection. Turn right and continue 600 feet to Balcron well #32-1J access road sign. Follow flags 1300' to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

**2. Planned Access Roads: Refer to Map "B" (shown in GREEN)**

Approximately 1300 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - Low water crossing.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and

shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. No right-of-way should be required as this is inside the unit boundary, but if for some reason a right-of-way is required please consider this APD the application for said right-of-way.

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation

operations.

3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

**5. Location and Type of Water Supply**

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah, or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the beginning of drilling operations.
- B. No water well will be drilled on this location.

**6. Source of Construction Materials**

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

**7. Methods of Handling Waste Materials:**

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon

receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the

discharge of liquids therefrom.

**8. Ancillary Facilities:**

None anticipated.

**9. Wellsite Layout:**

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to help visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be located on the South side, and the flare pit will be downwind of the prevailing wind direction near corner pit corner B. Access to the well pad will be from the West between corners #6 and #7.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind on the Southeast side of location near pit corner #B, at least 100' from the wellhead and at least 30' from the reserve pit. This pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.

The reserve pit will be lined. The liner will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at

above the net wire. total height of the fence will be at least 42-inches.

1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the it as soon as possible after drilling operations are completed.

#### **10. Plans for Reclamation of the Surface:**

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### **A. Production**

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic reinforced pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one

hundred twenty (120) days from the date of well completion, weather permitting.

6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seeded will be prepared by dishing, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the authorized officer.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost.

Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

**B. Dry Hole/Abandoned Location**

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (a) re-establishing irrigation systems where applicable,
  - (b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and,
  - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.
  - (a) A silt catchment basin will be constructed according to BLM specifications where requested by BLM.

**11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

**12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta

Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 11 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.

- C. 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
2. There are no occupied dwellings in the immediate area
3. An archaeological report will be forwarded upon completion.
4. There are no reported restrictions or reservations noted on the oil and gas lease.

**13. Lessee's or Operator's Representative:**

Balcron Oil  
a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406)259-7860  
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Field Superintendant Home (406)656-9719

14. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company, Balcron Oil Division and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

October 20, 1993  
Date

Bobbie Schuman  
Bobbie Schuman  
Coordinator of Environmental  
and Regulatory Affairs



Equitable Resources Energy Company  
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area  
LOCATION: Twn.9S Rge.16E & 17E  
COUNTY: Duchesne

PROSPECT/FIELD: Monument Butte  
STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE INTERVAL

=====  
12 1/4" 0 to 260'  
7 7/8" 260 to T.D.  
=====

CASING	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
STRING TYPE					
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

=====  
Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
(Cement will be circulated to surface.)  
  
Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.  
=====

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS.	YIELD
				VIS	POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- a.) Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- b.) Drilling will be done using 2% KCl water and gel.

COMMENTS

- 1.) No cores or DST's are planned.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2280 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	SFC TO TD 5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825			
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35	202	2.29 J

Prepared by : McCoskery, Billings, MT  
 Date : 11-30-1992 (Revised 8/30/93)  
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
MONTANA STATE OFFICE  
222 NORTH 32ND STREET  
P.O. BOX 36800  
BILLINGS, MONTANA 59107-6800

IN REPLY TO:  
MTM 12619-A et al  
BLM BOND NO. MT0576  
(922.31)

April 25, 1989

## NOTICE

Equitable Resources Energy Company  
P. O. Box 21017  
Billings, Montana 59104

OIL AND GAS

### CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

*Cynthia L. Embretson*  
Cynthia L. Embretson, Chief  
Fluids Adjudication Section

1 Enclosure  
1-Exhibit A

- cc: (w/encl.)
- AFS, Denver (1)
- All DMs (1 ea.)
- RMO Section (1)
- Regional Forester, Lakewood (2)
- Regional Forester, Missoula (2)
- Bureau of Reclamation (1)

Form 3104-8  
(July 1984)

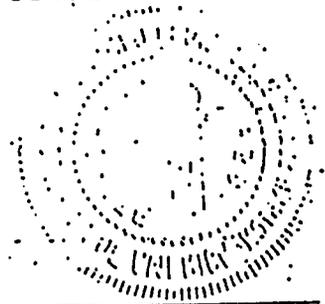
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE  
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)  
Other Oil and Gas Leasing Authorities as Applicable



KNOW ALL MEN BY THESE PRESENTS, That we  
BALCRON OIL COMPANY  
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and  
SAFECO INSURANCE COMPANY OF AMERICA  
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY THOUSAND AND 00/100----- dollars (\$ 150,000.00 ), in lawful money of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally.

- The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, issued or acquired under the Acts cited in Schedule A.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petroleum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Acts cited in this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:



SURETY RIDER

EXHIBIT "E" Page 3 of 4  
SAFECO INSURANCE COMPANY OF AMERICA  
GENERAL INSURANCE COMPANY OF AMERICA  
FIRST NATIONAL INSURANCE COMPANY  
OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88  
(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY, as Principal,  
(PRINCIPAL)

and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,  
(SURETY)

in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND  
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89  
(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89  
(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY  
PRINCIPAL

By: \_\_\_\_\_ TITLE  
SAFECO INSURANCE COMPANY OF AMERICA  
SURETY

By: *George Voindhet*  
R. George Voindhet ATTORNEY-IN-FACT



POWER  
OF ATTORNEY

GENERAL INSURANCE COMPANY OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

EXHIBIT "E" Page 4 of 4  
3798

No. \_\_\_\_\_

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VEHR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

- (i) The provisions of Article V, Section 13 of the By-Laws, and
- (ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
- (iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

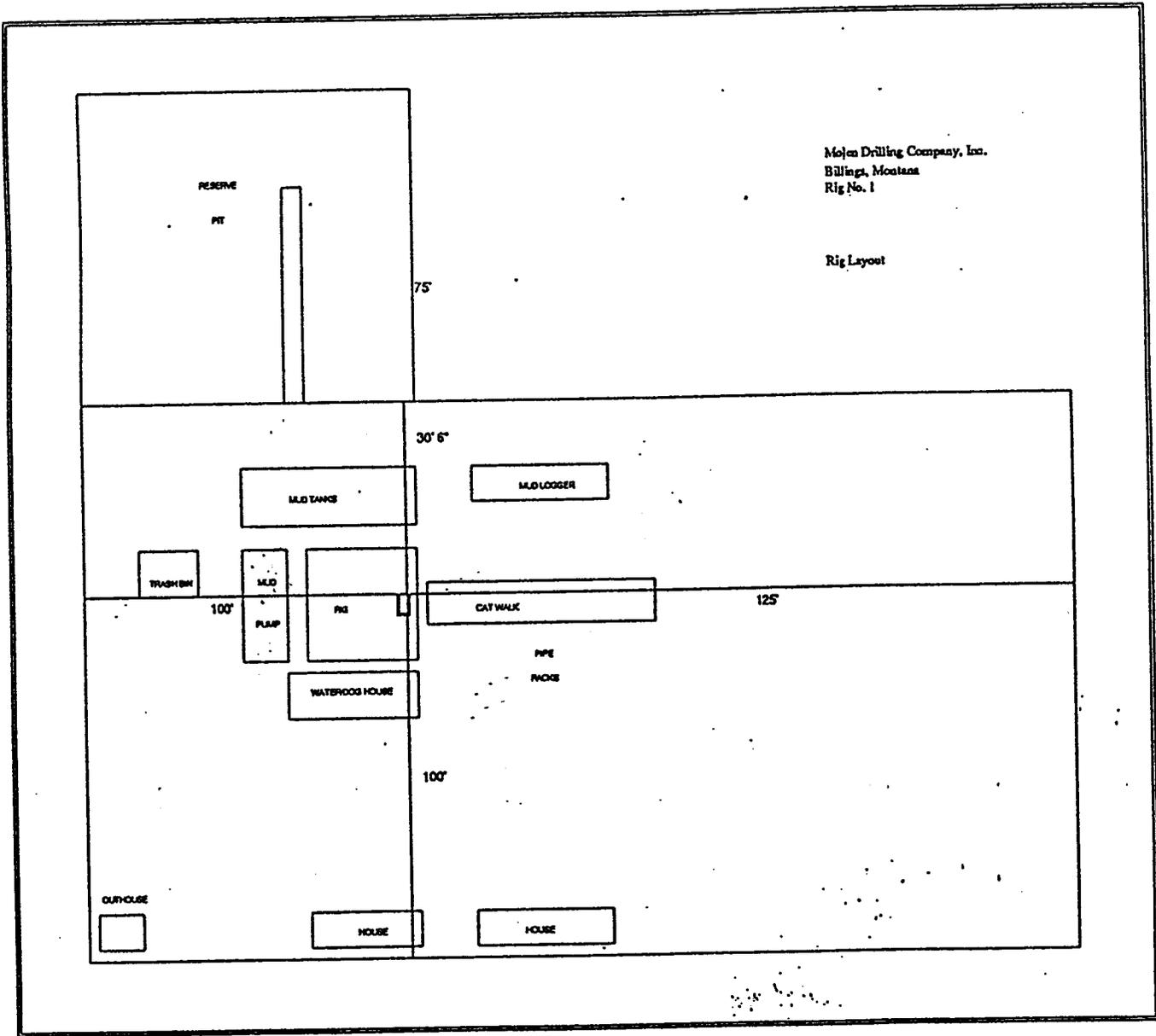
I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 10th day of April, 19 89.

EXHIBITS "G" and "H"

Rig layouts and BOPE diagrams are submitted for both Union Drilling Rig #17 and Molen Drilling Rig #1. This well will be drilled with air as far as hole conditions allow and then with drilling fluids. See EXHIBIT "D" for additional details.

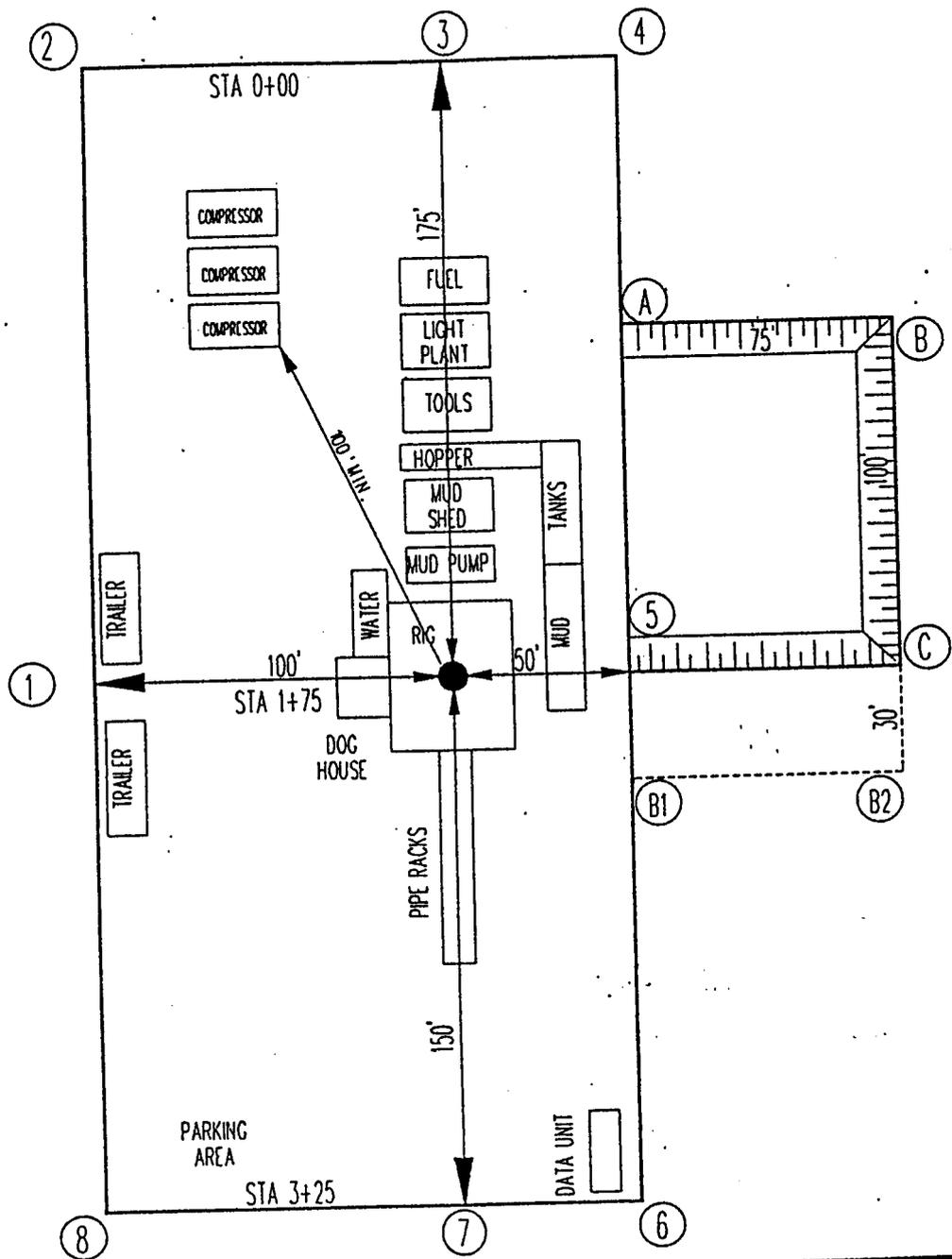


Molen Drilling Company, Inc.  
 Billings, Montana  
 Rig No. 1

Rig Layout

EXHIBIT "G"

# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, Vernal, UTAH 84078  
801-781-2501

UNION DRILLING RIG #17

Hex Kelly -

ROTATING HEAD

ADJ. CHOKE

AIR BALL

7" FLOWLINE

#3000  
BLIND R.M. - PIPE R.M.

3" GATE VALVE

3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

#3000 STACK

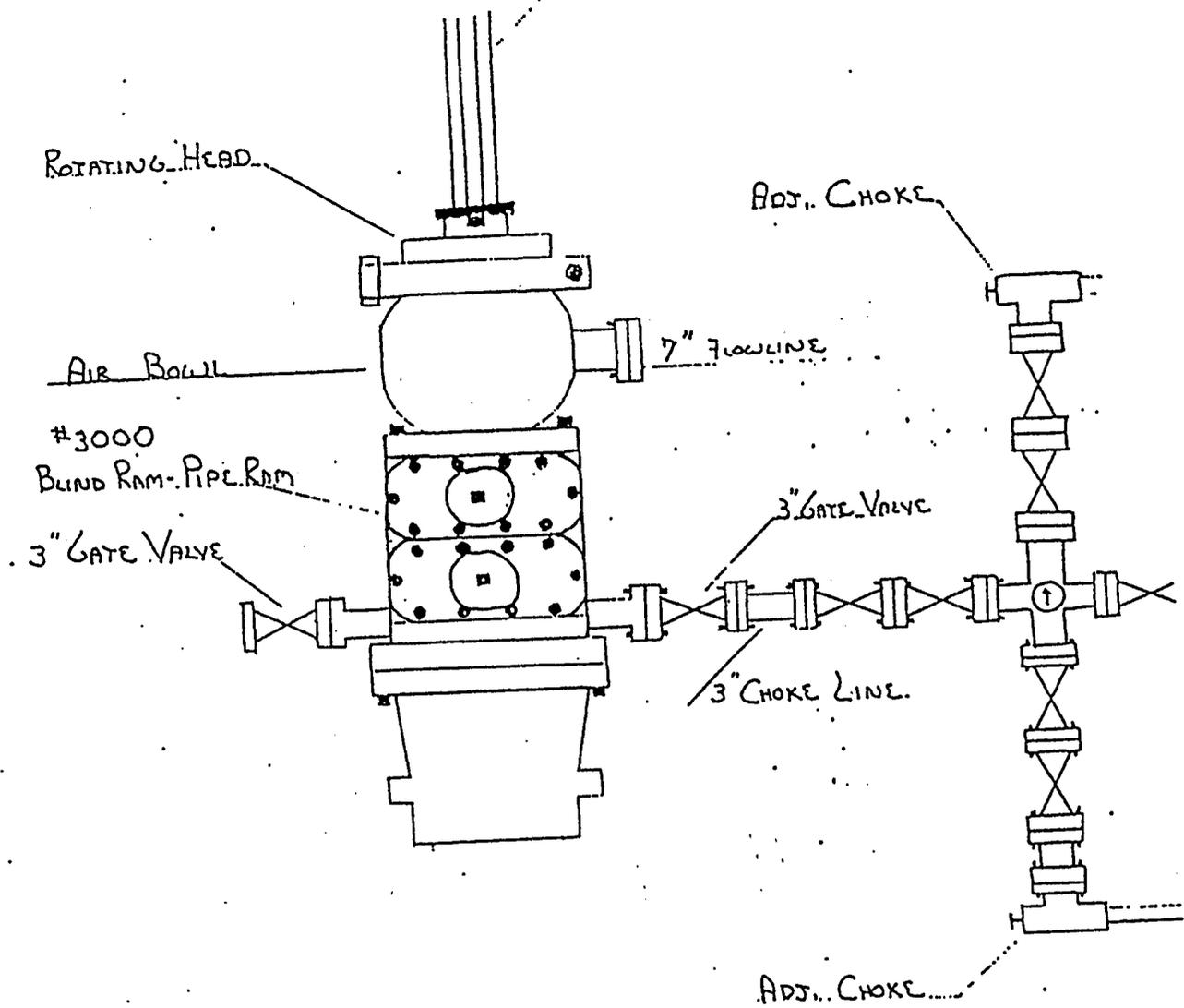
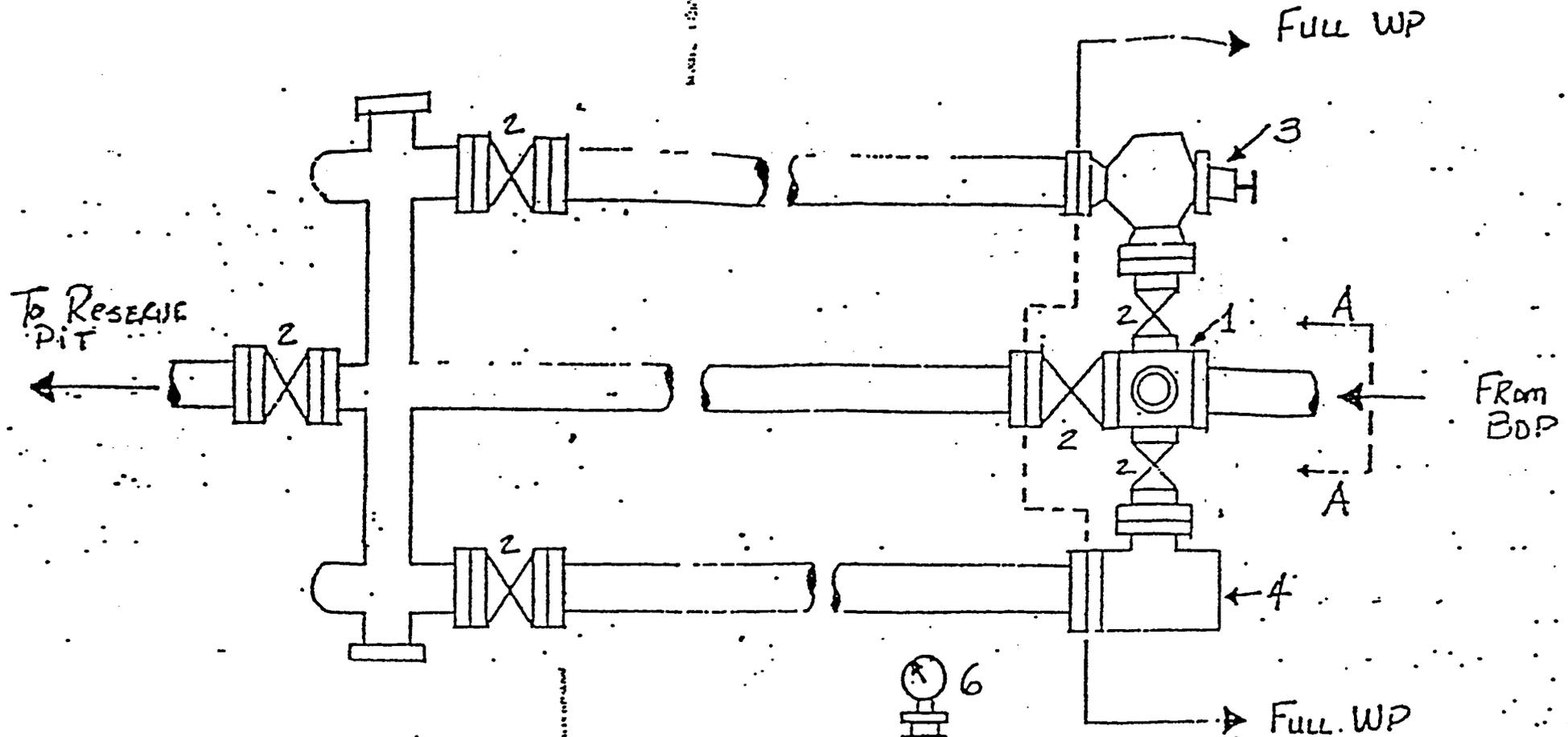
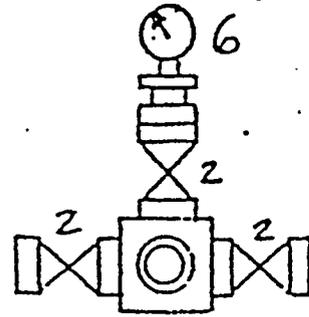
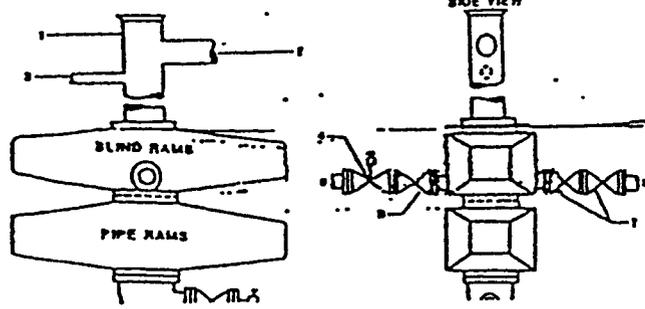


EXHIBIT "H"



MANUFACTURED BY THE BAKER VALVE CO. 1950

MANUFACTURED BY THE BAKER VALVE CO. 1950



VIEW A-A

- 1. Cross
- 2. Gate Valve
- 3. Adjustable Choke
- 4. Positive Choke
- 5. Welded Bull Plug, Lead Filled
- 6. 2" - 3000-psi mud pressure gauge

Notes: All lines must be securely anchored

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/22/93

API NO. ASSIGNED: 43-013-31414

WELL NAME: BALCRON MOMUMENT FED. 32-1J  
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
 SWNE 01 - T09S - R16E  
 SURFACE: 2143-FNL-1987-FEL  
 BOTTOM: 2143-FNL-1987-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
 LEASE NUMBER: U-33992

RECEIVED AND/OR REVIEWED:

Y Plat  
Y Bond  
 (Number FEDERAL)  
N Potash (Y/N)  
N Oil shale (Y/N)  
Y Water permit  
 (Number BY SUMDRV)  
N RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

R649-2-3. Unit: UTU 72086A  
 R649-3-2. General.  
 R649-3-3. Exception.  
 Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: WELL IS NOT PART OF 1993 POD  
Included in 1994 POD

STIPULATIONS: \_\_\_\_\_

CONFIDENTIAL  
 PERIOD  
 EXPIRED  
 10-23-95

EQUITABLE RESOURCES ENERGY

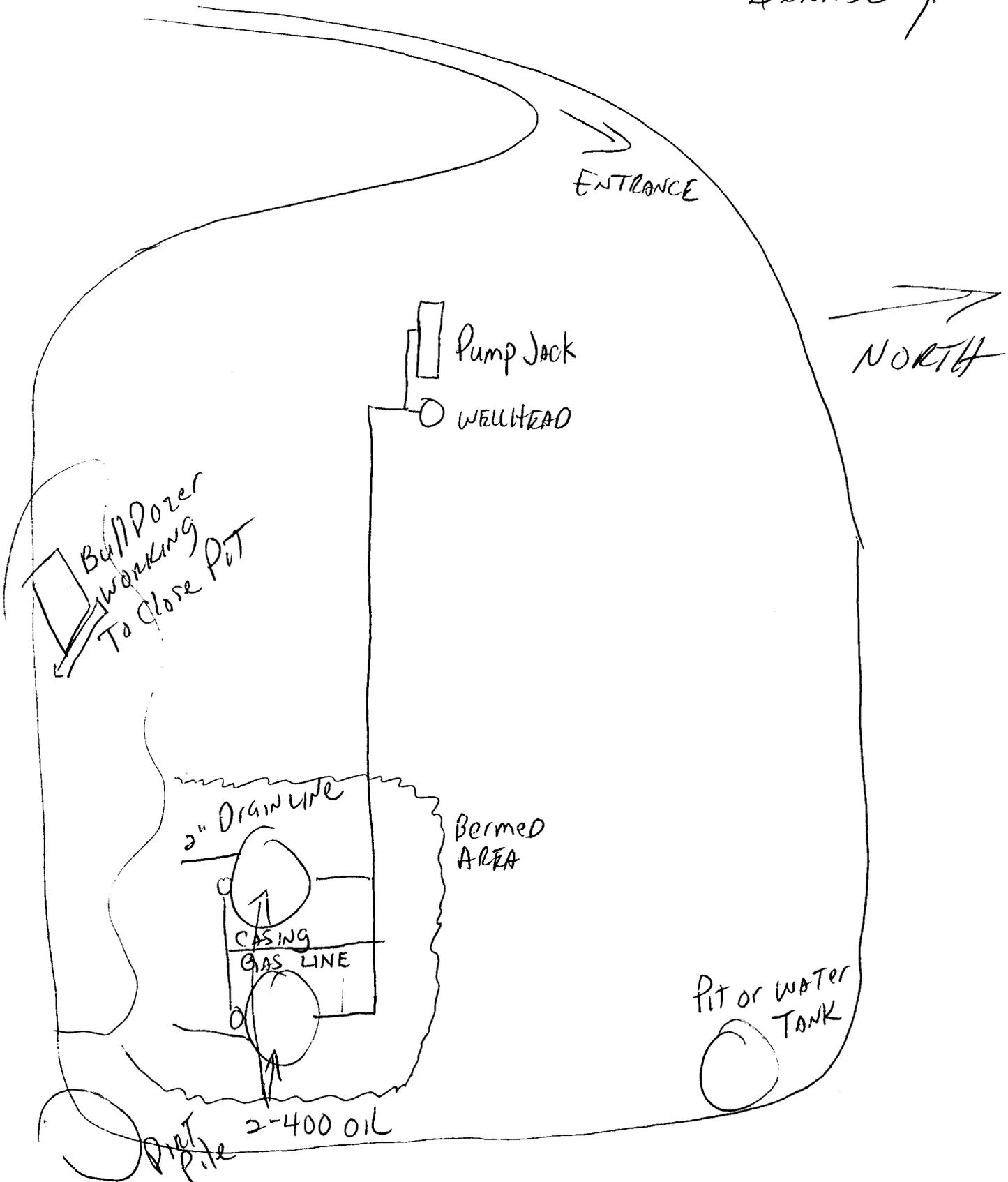
BALCON MONUMENT FEDERAL #32-1J

SEC 1; T9S; R16E

POW

12/1/94

Dennis Chyn



EQUIPMENT INVENTORY  
UTAH DIVISION OF OIL, GAS AND MINING  
STATE OF UTAH

Operator: EQUITABLE RESOURCES ENERGY CO. Lease: State:      Federal: Y Indian:  
\_ Fee:     

Well Name: BALCRON MON FED #32-1J API Number: 43-013-31414

Section: 1 Township: 9S Range: 16E County: DUCHESNE Field: MONUMENT BUTTE

Well Status: POW Well Type: Oil: YES Gas:     

PRODUCTION LEASE EQUIPMENT: (NUMBER)

Boiler(s):      Compressor(s):      Separator(s):      Dehydrator(s):     

Shed(s):      Line Heater(s):      Heated Separator(s):      VRU:     

Heater Treater(s):     

PUMPS:

Triplex:      Chemical:      Centrifugal: (1)

LIFT METHOD:

Pumpjack: Y Hydraulic:      Submersible:      Flowing:     

GAS EQUIPMENT: (NUMBER)

Purchase Meter: N Sales Meter: N

TANKS:

NUMBER

SIZE

Oil Storage Tank(s): YES 2-400'S W/BURNERS BBLs

Water Tank(s): YES 1-150 OPEN TOP BBLs

Power Water Tank:           BBLs

Condensate Tank(s):           BBLs

Propane Tank:     

Central Battery Location: (IF APPLICABLE)

Qtr/Qtr:      Section:      Township:      Range:     

REMARKS: UNIT IS DOWN ON VISIT. WATER TANK NOT YET INSTALLED BUT ON  
LOCATION. EQUIPMENT IS RAN BY CASING GAS.

Inspector: DENNIS INGRAM Date: 12/1/94



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

November 22, 1993

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Re: Balcron Monument Federal #32-1J Well, 2143' FNL, 1987' FEL, SW NE, Sec. 1, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or Mike Hebertson, Oil and Gas Field Specialist, (Home) (801)269-9212.



Page 2  
Equitable Resources Energy Company  
Balcron Monument Federal #32-1J Well  
November 22, 1993

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31414.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Duchesne County Assessor  
Bureau of Land Management, Vernal  
WO11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER   
 SINGLE ZONE       MULTIPLE ZONE

2. NAME OF OPERATOR  
 EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil **CONFIDENTIAL**

3. ADDRESS OF OPERATOR  
 P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
 2143' FNL, 1987' FEL  
 At proposed prod. zone  
 43-013-31414

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 16miles SW of Myton, UT

16. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

13. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 6,000' 5,950'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5398.4' GL

5. LEASE DESIGNATION AND SERIAL NO.  
 U-33992  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 n/a  
 7. UNIT AGREEMENT NAME  
 Jonah Unit  
 8. FARM OR LEASE NAME  
 Balcron Monument Federal  
 9. WELL NO.  
 32-1J  
 10. FIELD AND POOL, OR WILDCAT  
 Monument Butte/Grn. River  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SW NE Sec. 1, T9S, R16E  
 12. COUNTY OR PARISH  
 Duchesne  
 13. STATE  
 UTAH

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CASLR TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 Upon APD Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "E" EVIDENCE OF BOND COVERAGE
- "F" SURVEY PLAT
- "G" RIG LAYOUT
- "H" BOPE DIAGRAM
- "I" EXISTING ROADS (Map A)
- "J" PLANNED ACCESS (Map B)
- "K" EXISTING WELLS (Map C)
- "L" CUT & FILL DIAGRAM

RECEIVED  
 OCT 22 1993

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No: MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE October 20, 1993  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE APR 11 1994  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DIV 06x4

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal 32-1J

API Number: 43-013-31414

Lease Number: U-33992

Location: SWNE Sec. 1 T. 9S R. 16E

Surface Ownership: Federal Lands administered by BLM

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 313$  ft or by setting the surface casing at  $\pm 360$  ft and having a cement top for the production casing at least 200 ft above the top of the Mahogany oil shale, identified at 2,326 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2,126$  ft. if the surface casing is set at  $\pm 360$  or it will be run to  $\pm 113$  ft. if the surface casing is set at  $\pm 260$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

**Methods for Handling Waste Disposal**

The reserve pit liner will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

**Additional Surface Conditions of Approval**

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 twenty-four to forty-eight (24-48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

The requested emergency pit is hereby approved under Onshore Order No. 7, subject to the following Conditions of Approval:

1. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for drilling the reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
2. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.

If paleontologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

Any construction or surface disturbing activities required between March 15 and August 15 will require an additional wildlife field survey. This survey will be used to identify mountain plover nesting activities in the area. From information obtained by this survey the surface disturbing activities may be curtailed or not allowed during this time.

Balcron's development of the proposed access road from the south will require the construction of a silt catchment dam approximately 200 feet southeast of location corner #4 where flagged.

Waiver of Fencing Around Containment Tanks.

Well No. 32-1J Lease No. U-33942 Date. 12/16/93

Balcron Oil Division's operation supervisor has requested to modify fencing around small containment tanks for the above well location. The purpose of the BLM fencing standards are to prevent injury to livestock or wildlife by entering pits which may contain fluids. Balcron's present method of placing 100 barrel tanks covered with metal cross supports and wire mesh within earthen depressions accomplishes this purpose. **This method of containment does not need fencing.** Balcron will need to maintain at least one side of the earthen depression the tank rests in at less than a 1:1 slope to allow escape if needed and any hydrocarbons that enter the depression must be considered a spill and removed within 48 hours.

  
Natural Resource Protection Spec.



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

November 18, 1993

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

We are sending, under separate cover, copies of the archeological survey that has been conducted for the wells on the attached list. These are to be considered a part of the Applications for Permit to Drill those wells.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

cc: Utah Division of Oil, Gas and Mining

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NOV 19 1993

DIVISION OF  
OIL, GAS & MINING

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992

43-013-31414

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992

Balcron Monument Federal #44-1J  
SE SE Section 1, T9S, R16E  
Duchesne County, Utah  
338 FSL, 859' FEL  
FLS #U-44426

Balcron Monument Federal #12-11J  
SW NW Section 11, T9S, R16E  
Duchesne County, Utah  
2128' FNL, 689' FWL  
FLS #U-096550

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550

Balcron Monument Federal #32-12J  
SW NE Section 12, T9S, R16E  
Duchesne County, Utah  
1804.8' FNL, 2138.6' FEL  
FLS #U-035521

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah  
517.8' FNL, 1850.2' FWL  
FLS #U-096547

**CULTURAL RESOURCE EVALUATION  
OF EIGHT PROPOSED WELLS  
IN THE MONUMENT BUTTES  
LOCALITY OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-93-54937  
AERC Project 1410 (BLCR-93-9)

Utah State Project No.: UT-93-AF-595b

Principal Investigator  
F. Richard Hauck, Ph.D.

Authors of the Report  
F. Richard Hauck & Glade V Hadden



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
P.O. Box 853  
Bountiful, Utah 84011-0853

November 8, 1993

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of eight proposed wells (Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, 34-12J, 21-14J) and associated access routes situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 90.79 acres, of which 80 acres are associated with the eight well pads and an additional 10.79 acres associated with the various access road rights of way. These evaluations were conducted by Glade Hadden and Walter Lenington of AERC on October 29 and November 4, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

Two newly identified cultural resource activity loci were discovered and recorded during the examinations. 42DC 780 is a significant prehistoric activity locus associated with well location 34-12J. This location can not be moved within the ten acre parcel to avoid Site 42DC 780 and the mitigation of the site is recommended should Balcron Oil Division desire to initiate a drilling program at this location. 42DC 781 is a non-significant prehistoric activity locus associated with well location 32-12J.

Six isolated artifacts (AERC #s 1410 G/X1 through 1410 G/X5 and 1410W/X1) are non-diagnostic flakes and bifacially flaked tools which were noted and recorded during the investigations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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## GENERAL INFORMATION

On October 29 and November 4, 1993, AERC archaeologists Glade Hadden and Walter Lenington conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved eight proposed well locations (Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, 34-12J, 21-14J) and associated access roads located in the Monument Buttes area south of Myton, Utah. Some 90.79 acres were examined which includes ca. 80 acres associated with the eight well pads and an additional 10.79 acres associated with the various 100 foot-wide access routes. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments of these eight drilling locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

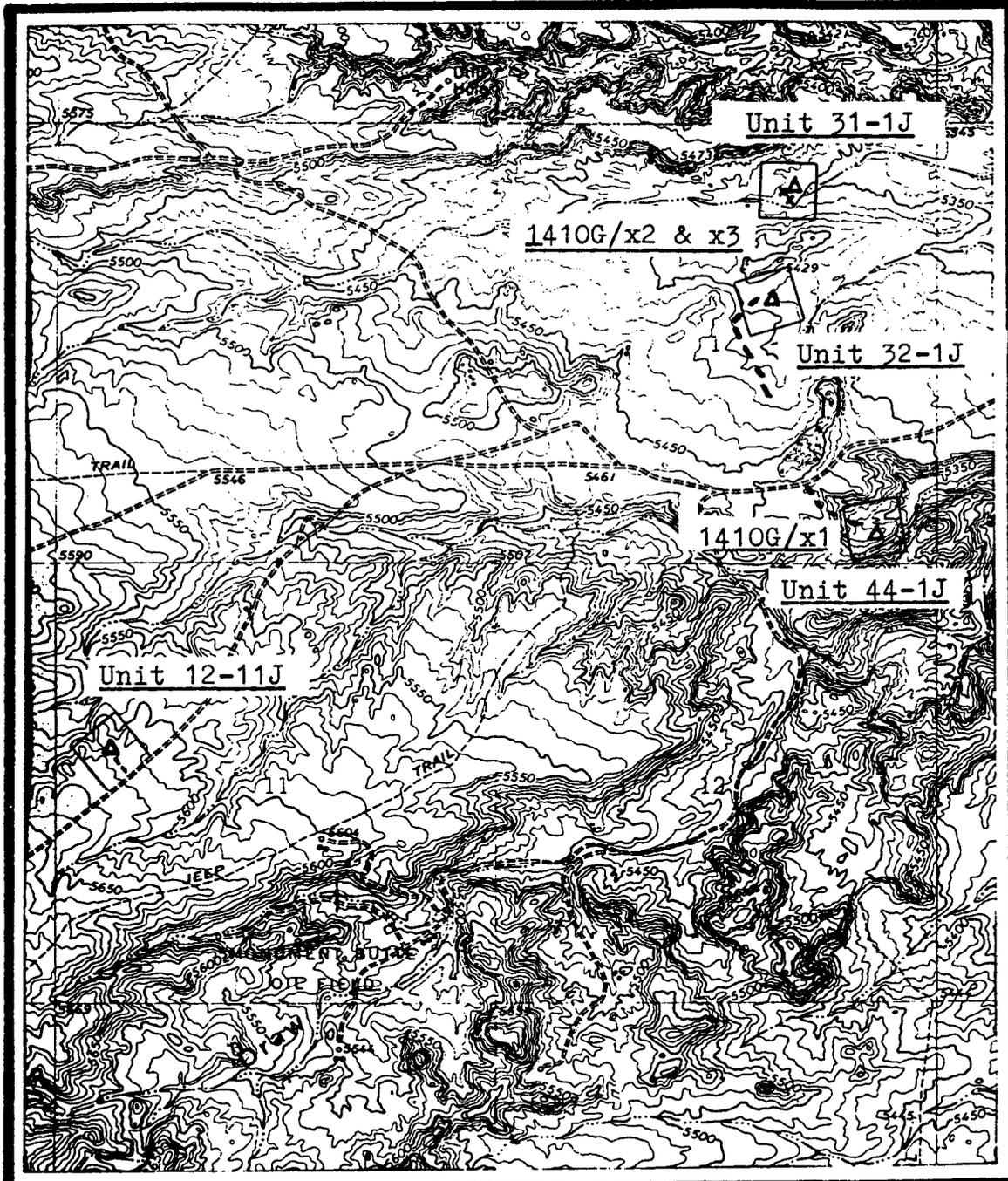
### Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE 7.5 minute topographic quad. The proposed drilling locations are situated in the following sections:

Balcron Monument Federal #31-1J is located in the NW - NE of Section 1, T. 9 So., R. 16 E. (see Map 1)

Balcron Monument Federal #32-1J is located in the SW - NE of Section 1, T. 9 So., R. 16 E. and includes ca. 1500 feet of access road (see Map 1)

Balcron Monument Federal #44-1J is located in the SE - SE of Section 1, T. 9 So., R. 16 E. and includes ca. 700 feet of access road (see Map 1)



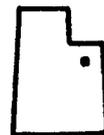
T. 9 South  
 R. 16 East  
 Meridian: SL  
 Quad: Myton  
 SE, Utah

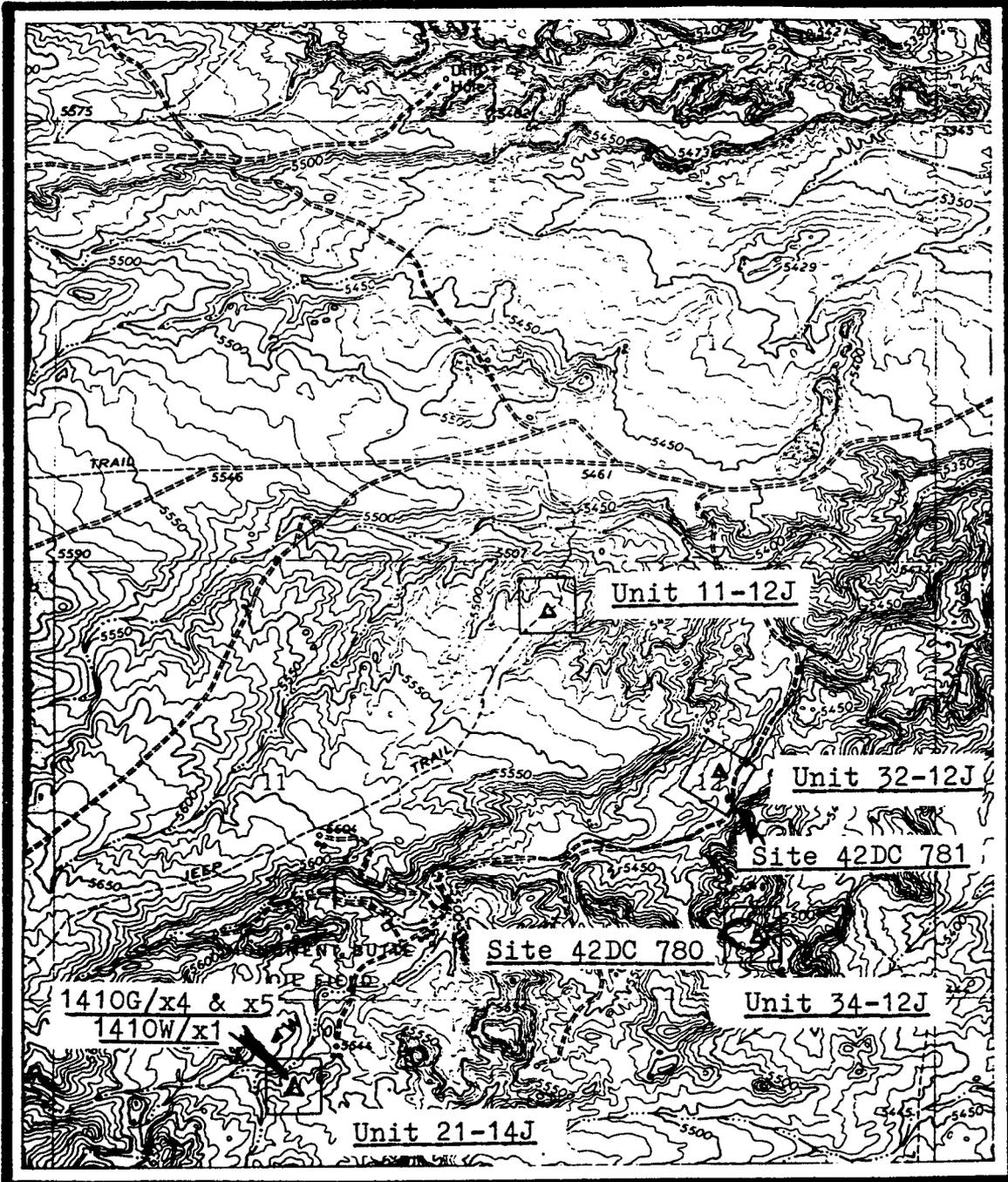
**MAP 1**  
 Cultural Resource Survey  
 of Proposed Drilling Units  
 in the Monument Butte  
 Locality of Duchesne Co.

**Legend:**  
 Well Location   
 Access Route   
 10 Acre Survey Area   
 Isolated Artifact 

4  
 ↑  
 N

**Project:** BLCR-93-9  
**Series:** Uinta Basin  
**Date:** 11-15-93  
**Scale:** 1:24000





T. 9 South  
 R. 16 East  
 Meridian: SL  
 Quad: Myton  
 SE, Utah



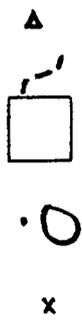
Project: BLCR-93-9  
 Series: Uinta Basin  
 Date: 11-15-93

**MAP 2**  
 Cultural Resource Survey  
 of Proposed Drilling Units  
 in the Monument Butte  
 Locality of Duchesne Co.

Scale: 1:24000  
 3



**Legend:**  
 Well  
 Location  
 Access  
 Route  
 10 Acre  
 Survey  
 Area  
 Cultural  
 Site  
 Isolated  
 Artifact



Balcron Monument Federal #12-11J is located in the SW - NW of Section 11, T. 9 So., R. 16 E. (see Map 1)

Balcron Monument Federal #11-12J is located in the NW - NW of Section 12, T. 9 So., R. 16 E. and includes ca. 1800 feet of access road (see Map 2)

Balcron Monument Federal #32-12J is located in the SW - NE of Section 12, T. 9 So., R. 16 E. (see Map 2)

Balcron Monument Federal #34-12J is located in the SW - SE of Section 12, T. 9 So., R. 16 E. and includes ca. 500 feet of access road (see Map 2)

Balcron Monument Federal #21-14J is located in the NE - NW of Section 14, T. 9 So., R. 16 E. and includes ca. 200 feet of access road (see Map 2)

### Environmental Description

The project area is within the 5300 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus spp.*, *Artemisia spp.*, *Eriogonum spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus spp.*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on October 18, 1993. A similar search was conducted in the Vernal District Office of the BLM on October 29, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

## Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

## Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area covering each well pad. In addition, access routes were surveyed by the archaeologists walking a pair of 10 to 15 meter wide transects on each side of the flagged access route right of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 10.79 acres) was examined for the total ca. 4700 foot length of proposed access road, in addition to the eighty acres inventoried on the well pads for a total of 90.79 acres.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

## Results of the Inventory

Two prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations. These two sites include 42DC 780 and 42DC 781. A brief summary of each site can be provided as follows:

### Site 42DC 780 (see Map 2)

Site 42DC 780 is an extensive lithic scatter and sheltered occupation located within the development zone of Monument Federal Unit #34-12J. Site 42DC 780 consists of a 120 x 60 meter lithic scatter and shallow rock shelter complex. Isolated flakes are located up to 200 meters from the main locus. Artifacts are composed mainly of Parachute Creek Chert cores and flakes in all stages of lithic tool manufacture. Figure 1 is a sketch of a knife fragment manufactured from Parachute Creek Formation chert. This scatter appears to be the result of hunting, limited occupation and lithic procurement activities and is probably of Archaic date ranging in age between 1500 and 5000 years old. No artifacts were collected from this site.

This site is a significant cultural resource locus. Extensive subsurface deposits are present and include hearth areas. Some vandalism in the form of collectors piles were noted, however, numerous artifacts and features remain in an undisturbed context. The site qualifies under criterion d of Title 36 CFR 60.6 (see preceding section).

The butte where Unit 34-12J and Site 42DC 780 are located is too restricted to permit relocation of the proposed well pad in such a position as to avoid adverse impact to this cultural resource. Since avoidance is not a viable alternative, Site 42DC 780 will be subjected to primary or direct disturbance and exposed to secondary or indirect destruction (vandalism) should the proposed development of Unit 34-12J be initiated at this location without the implementation of a detailed archaeological recovery program to mitigate these potential adverse impacts.



FIGURE 1: Knife Fragment -- Site 42DC 780  
(actual size)

Site 42DC 781 (see Map 2)

Site 42DC 781 consists of a small lithic scatter located outside the development zone of Monument Federal Unit #32-12J. Site 42DC 781 is a 2 x 2 meter scatter of debitage consisting of five primary flakes of Parachute Creek chert. It is located near a rock overhang at the bottom of Castle Peak Draw.

This site is considered to be a non-significant cultural resource since it contains no potential for soil depth, no features, no occupational surfaces, and no diagnostic artifacts. This site does not qualify as a candidate for nomination to the National Register of Historic Places under any of the criteria as established in Title 36 CFR 60.6.

This non-significant site is outside the development area and will not be affected by the proposed development of Unit 32-12J.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

No paleontological loci were observed or recorded during the evaluations.

Six isolated artifacts were recorded during the evaluations. None of these artifacts were collected. A brief description of these six artifacts follows:

Isolate 1410G/x1 (see Figure 2) consists of a non-diagnostic bifacially flaked ignimbrite stone tool. This artifact was located outside the development zone of Unit 44-1J (see Map 1).

Isolate 1410G/x2 (see Figure 3) is a non-diagnostic unifacially retouched flake scraper made from Parachute Creek chert. It was located within the development area for Unit 31-1J (see Map 1).

Isolate 1410G/x3 (see Figure 4) is a primary flake which was also constructed from parachute creek chert. Like Isolate 1410G/x2, this artifact was located within the development zone of Unit 31-1J (see Map 1).

Isolate 1410G/x4 (see Figure 5) consists of a biface blank fragment constructed from parachute creek chert. Like Isolate 1410G/x5, this artifact was located within the development zone of Unit 21-14J (see Map 2).

Isolate 1410G/x5 (see Figure 6) is a secondary flake which was also constructed from parachute creek chert. Like Isolate 1410W/x1, this artifact was located within the development zone of Unit 21-14J (see Map 2).

Isolate 1410W/x1 (see Figure 7) is a biface blank fragment which was also constructed from parachute creek chert. Like Isolates 1410G/x4 and x5, this artifact was located within the development zone of Unit 21-14J (see Map 2).

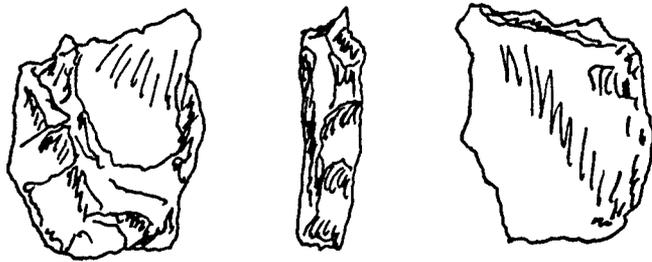


FIGURE 2: Isolated Artifact 1410G/x1  
(actual size)

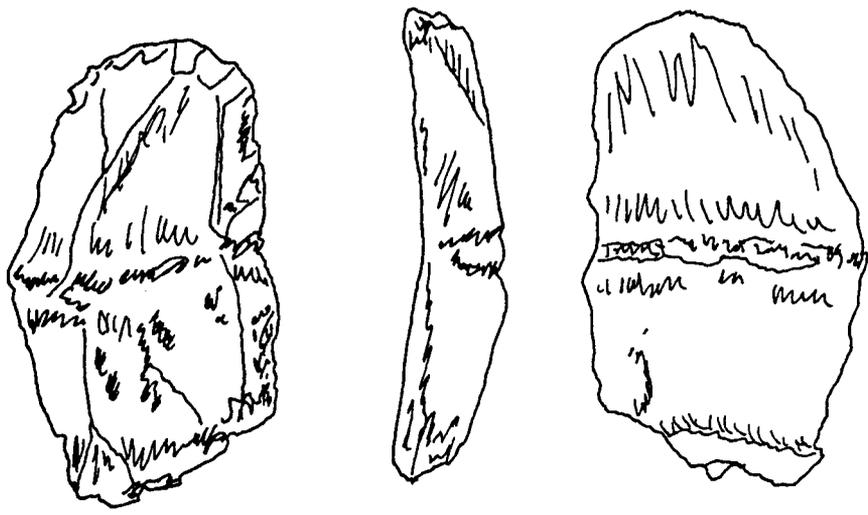


FIGURE 3: Isolated Artifact 1410G/x2  
(actual size)

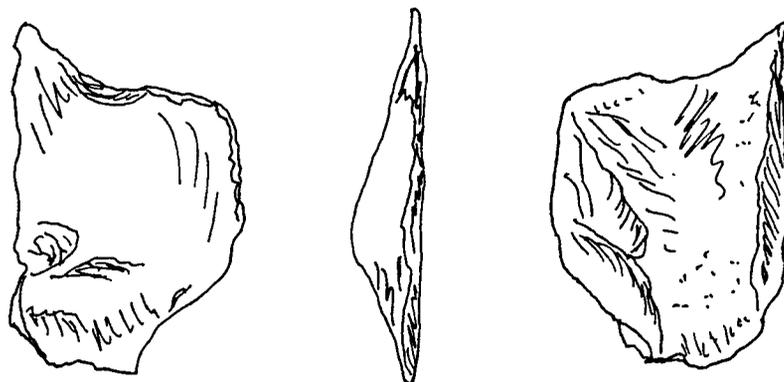


FIGURE 4: Isolated Artifact 1410G/x3  
(actual size)

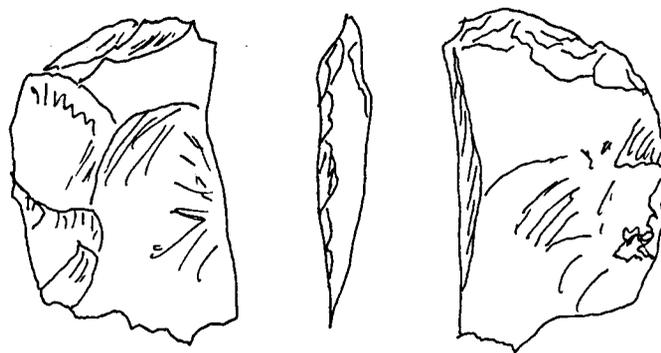


FIGURE 5: Isolated Artifact 1410G/x4  
(actual size)

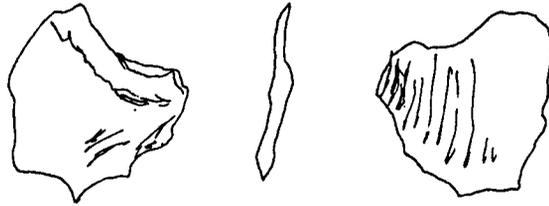


FIGURE 6: Isolated Artifact 1410G/x5  
(actual size)

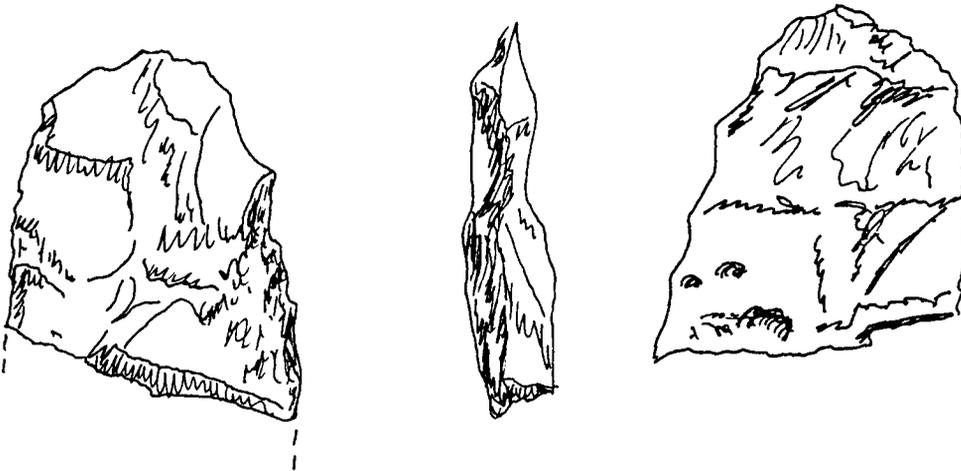


FIGURE 7: Isolated Artifact 1410W/x1  
(actual size)

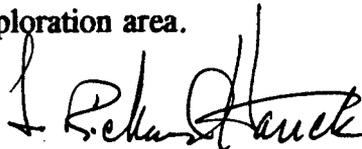
## CONCLUSION AND RECOMMENDATIONS

Site 42DC 780, a significant prehistoric resource, cannot be avoided by moving the location of proposed Unit 34-12J since both the site and the well location occupy the top of an isolated butte. The development of Unit 34-12J will result in the destruction of Site 42DC 780 unless the adverse effect is adequately mitigated through the initiation of an archaeological recovery program.

No known significant cultural or paleontological resources will be adversely impacted during the development and operation of Balcron Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, and 21-14J as evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments of these eight proposed drilling locations based upon adherence to the following stipulations:

1. Should Balcron determine that the initiation of drilling activities on Unit 34-12J should proceed, AERC recommends that an extensive testing and artifact recovery program be implemented on this site prior to the construction period. Such a program should map the complete site including a point-plot map of all surface artifacts. In addition, the archaeological recovery program should section existing fire hearths to recover radiometric samples and to document all buried cultural contexts associated with those hearths. The stabilized dune deposits on the site should be test excavated in order to determine the presence of buried cultural contexts which could be disrupted during the construction of adjacent Unit 34-12J or could be vandalized by collectors during the construction phase or after completion of the drilling site.
2. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways.
3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

## REFERENCES

**Hadden, Glade V and F. R. Hauck**

**1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.**

**1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.**

**Hauck, F. Richard**

**1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.**

**1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.**

**1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.**

**1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.**

**1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.**

- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Norman, V. Garth and F.R. Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-33992

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcon Monument Federal #32-1J

9. API Well No.

43-013-31414

10. Field and Pool, or Exploratory Area

Monument Butte/ Green River

11. County or Parish, State

Duchesne County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NE Section 1, T9S, R16E

2143' FNL, 1987' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Subsequent Report

Final Abandonment Notice

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

Other Identification of chemicals

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached.

RECEIVED

DEC 03 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Robbee Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date

December 1, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

ATTACHMENT TO SUNDRY NOTICE

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

- Cement (cement and associated additives)
- Crude oil (produced hydrocarbons)
- Diesel (fuels)
- Fly ash (cement and associated additives)
- Gasoline (fuels)
- Hydrochloric acid (acids, organic)
- Lime (cement and associated additives)
- Potassium chloride (salt solutions)

We anticipate that it is possible that the 10,000 pound threshold of the above chemicals could be met or exceeded in these operations. With the exception of crude oil, all chemicals used will be in the normal course of drilling and completion operations and will be provided by service companies subcontracted by the operator. Storage, transportation, and disposal of any of these chemicals will be handled by such service companies. It is anticipated that drilling of this well will produce crude oil.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93  
/rs



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

RECEIVED

DEC 03 1993

DIVISION OF  
OIL, GAS & MINING

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

December 1, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

*BALCRON Monument Federal 32-1J  
43-013-31414  
Sec 1, T9S, R16E*

Gentlemen:

In response to APD deficiency letters for wells on the enclosed list, enclosed are sundry notices giving identification of chemicals. Also noted on that list are specific comments on archeological reports, Plan of Development, and Right-of-Way where applicable. There were three requests for archeological reports which were submitted with the APDs (see EXHIBIT "M" of those APDs). Please confirm that you did receive those with the APDs.

Thank you.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

MONUMENT BUTTE DRILLING PROGRAM

NINTH BATCH

---

Balcron Monument Federal #32-12J  
SW NE Section 12, T9S, R16E  
Duchesne County, Utah  
1804.8' FNL, 2138.6' FEL  
FLS #U-035521  
PTD: 5,800'  
GL 5413'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521  
PTD: 5,800'  
GL 5524.1'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah  
517.8' FNL, 1850.2' FWL  
FLS #U-096547  
PTD: 5,750'  
GL 5592.5'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #34-10J  
SW SE Section 10, T9S, R16E  
Duchesne County, Utah  
592' FSL, 1979.2' FEL  
FLS #U-017985  
PTD: 5,850'  
GL 5,717.7'

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992  
PTD: 5,950'  
GL 5368.1'

Archeological Report sent 11/18/93  
POD has been approved  
ROW applied for 11/12/93

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992  
PTD: 5,950'  
GL 5398.4'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #44-1J  
SE SE Section 1, T9S, R16E  
Duchesne County, Utah  
338 FSL, 859' FEL  
FLS #U-44426  
PTD: 5,900'  
GL 5372.1'

Archeological Report sent 11/18/93  
POD has been approved  
New APD face page sent 11/16/93

Balcron Monument Federal #12-11J  
SW NW Section 11, T9S, R16E  
Duchesne County, Utah  
2128' FNL, 689' FWL  
FLS #U-096550  
PTD: 5,700'  
GL 5617.2'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550  
PTD: 5,900'  
GL 5516.1'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #21-15J  
NE NW Section 15, T9S, R16E  
Duchesne County, Utah  
644.7' FNL, 1830.3' FWL  
FLS #U-017985  
PTD: 5,800'  
GL 5,737.20'

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved

Balcron Monument Federal #43-15J  
NE SE Section 15, T9S, R16E  
Duchesne County, Utah  
1777.9' FSL, 788.4' FEL  
FLS #U-017985  
PTD: 5,700'  
GL 5,701.8'

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

December 8, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

**CONFIDENTIAL**

Gentlemen:

Enclosed are sundry notices forwarding paleontology reports of wellpad location and access roads for the following:

Balcron Monument Federal #44-1J  
Balcron Monument Federal #34-12J  
Balcron Monument Federal #32-12J  
Balcron Monument Federal #32-1J 43-013-31414  
Balcron Monument Federal #31-1J  
Balcron Monument Federal #21-14J  
Balcron Monument Federal #12-11J  
Balcron Monument Federal #11-12J

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

RECEIVED

DEC 10 1993

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-33992

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #32-LJ

9. API Well No.

43-013-31414

10. Field and Pool, or Exploratory Area

Monument Butte/ Green River

11. County or Parish, State

Duchesne County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NE Section 1, T9S, R16E

2143' FNL, 1987' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other paleo report

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the paleontology report of the wellpad location and access road.

**RECEIVED**

DEC 10 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date December 8, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**BALCRON OIL**

**Balcron Monument Federal #32-1J**  
**SW NE Section 1, T9S, R16E, SLB&M**  
**Duchesne County, Utah**

**PALEONTOLOGY REPORT**  
**WELLPAD LOCATION AND ACCESS ROAD**

**BY**

**ALDEN H. HAMBLIN**  
**PALEONTOLOGIST**  
**235 EAST MAIN**  
**VERNAL, UTAH 84078**

**DECEMBER 1, 1993**

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #32-1J

Description of Geology and Topography-

This well location is in an area of fairly low relief. There are several shallow drainages to the northeast. There are sandstone capped knolls and ridges east, north and west of the road and location. The road leaves an existing well and goes north 1300 feet to #32-1J. The area is covered with sand and eroded rock fragments with bed rock fairly near the surface. Some sandstone outcropping along the north edge of the well pad.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains.

Paleontological material found -

No fossil vertebrate material was found on the wellpad location or access road.

Recommendations-

No other recommendations are made for this location.

Allen H. Hamilton Date December 6, 1993



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

CONFIDENTIAL

August 11, 1994

RECEIVED  
AUG 15 1994  
BUREAU OF LAND MANAGEMENT

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

*BALCRON MONUMENT Federal 32-1J  
Sec 1 T 95 R 16 E  
43-013-31414*

Gentlemen:

Enclosed is a sundry notice reporting an intended change in the cement program for the production casing (long-string) on the wells on the enclosed list. The wells have been broken down by three categories:

- wells on which we have approved APDs but have not yet drilled
- wells on which we do not yet have approved APDS but APDs have been submitted
- wells on which we have approved State APDs but not yet approved Federal APDS

Please consider this change in cement program as a part of our APDs.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining  
Al Plunkett

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allotment or Tribe Name

n/a

SUBMIT IN TRIPLICATE

7. If Unit or C.A. Agreement Designation

See attached listing

1. Type of Well

Oil Well  Gas Well  Other

8. Well Name and No.

See attached listing

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

9. API Well No.

See attached listing

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

10. Field and Pool, or Exploratory Area

See attached listing\*

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached listing

11. County or Parish, State

See attached listing

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>change in cement program</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

\*Formation (pool): Green River

Production cement program on wells on the attached listing will be changed as follows:

250 sacks Western Super "G" consisting of 47 #/sack "G", 20 #/sack Poz A, 17 #/sack CSE, 3% salt, 2% gel and 2 #/sack Hi-seal 2. (Yield = 2.76 Cu.Ft./Sk, Weight = 11.08 PPG). Tailed with 300 sacks 50-50 Poz with 2% Gel, 1/4 #/sack Cello-seal and 2 #/sack Hi-seal. (Yield = 1.24 Cu.Ft./Sk, Weight = 14.30 PPG).

a.) Actual cement volumes will be determined using caliper log.

b.) Cement top will be at approximate depth as specified in the Conditions of Approval in the Application for Permit to Drill.

The cement program is being changed to improve cement bond quality and improve compressive strength in the lead slurry.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Regulatory and  
Tide Environmental Specialist

Date 8-10-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Tide \_\_\_\_\_

Date \_\_\_\_\_

Have approved APDs but not yet drilled (continued)

Balcron Federal #31-5Y  
NW NE Section 5, T9S, R18E  
660' FNL, 1980' FEL  
Uintah County, Utah  
Eight Mile Flat North Field  
FLS #U-65970  
API #43-047-32503

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992  
Monument Butte Field  
Jonah Unit  
API #43-013-31413

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992  
Monument Butte Field  
Jonah Unit  
API #43-013-31414

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550  
Monument Butte Field  
Jonah Unit  
API #43-013-31418

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521  
Monument Butte Field  
Jonah Unit  
API #43-013-31420

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES ENERGY

WELL NAME: BALCRON MONUMENT FEDERAL 32-1J

API NO. 43-013-31414

Section 1 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 8/24/94

Time \_\_\_\_\_

How \_\_\_\_\_

Drilling will commence \_\_\_\_\_

Reported by SUNDRY NOTICE

Telephone # \_\_\_\_\_

Date 8/29/94 SIGNED JLT

**CONFIDENTIAL**

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
BUREAU OF OIL, GAS & MINING

AUG 26 1994

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

Lease Designation and Serial No.  
U-33992

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104    (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NE Section 1, T9S, R16E  
2143' FNL, 1987' FEL

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #32-1J

9. API Well No.

43-013-31414

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Report of Spud.
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well was spud on 8-24-94 at 7 p.m.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date 8-25-94

(This space for Federal or State office use)

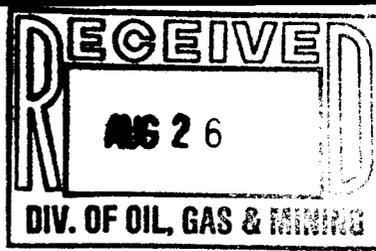
Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



OPERATOR Equitable Resources Energy Company  
Balcron Oil Division

ADDRESS P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492	→	43-013-31414	Balcron Monument Federal #32-1J	SW NE	1	9S	16E	duchesne	8-24-94	8-24-94
WELL 1 COMMENTS: <i>Entity added 8-30-94. See Spud of a new well, please add to current <u>Jcnah Unit</u> Entity.</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

DATE: 8-25-94

*Bobbie Schuman*  
Signature  
Regulatory and Environmental Specialist  
Title  
Date  
Phone No. (406) 259-7860

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

9-15-94 Completion  
CP - 530#. Flow back 15 BO. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, SN & 155 jts 2-7/8" tbg. Tag sand @ 4800' KB. Circ dow to BP @ 5016' KB. Pull up & set packer @ 4750' KB. Made 26 swab runs, recovered 156 bbls of fluid, 10 BO, 146 BW, good gas. First 8 runs 100% wtr. Last 7 runs 15% oil. Last 5 runs, FL @ 2500'. SWIFD.

DC: \$1,924

CC: \$315,934

9-16-94 Completion  
CP - 0 psi, TP - 65 psi. FL @ 1200'. Made 1 swab run, 80% oil - 4 BO, 1 BW. Release packer, tag sand @ 4956' KB. circ down to BP @ 5016' KB. Release BP, TOOh w/tbg & tools. TIH w/tbg production string as follows:

1 jt 2-7/8" EUE J-55 8RD 6.5#	30.66'	5353.86'
1 Perf Sub 2-7/8" x 4'	4.20'	5323.20'
1 Seat Nipple	1.10'	5319.00'
18 jts 2-7/8" EUE J-55 8RD 6.5#	562.17'	5317.90'
1 Tbg Anchor 2-7/8" x 5-1/2" (Trico)	2.35'	4755.73'
151 jts 2-7/8" EUE J-55 8RD 6.5#	4743.38'	4753.38'

KB 10.00'

ND BOP, ND 5M well head, NU 3M well head. Set tbg anchor w/20" tension. TIH w/rod production string as follows:

1 - BHP 2-1/2" x 1-1/2" x 16' RWAC w/PA plunger

212 - 3/4" x 25' D-61 Slick Rods

1 - Polish Rod 1-1/4" x 22' SM

Hang well on, pressure test BHP & tbg to 1000 psi - OK. RDMO.

DC: \$9,617

CC: \$325,551

9-23-94 First production on this well was on 9-23-94 at 12:45 p.m.

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

- 9-10-94 Completion  
CP & TP- 0 psi. RU Western to do KCL break down on 5276'-88' w/2394 gals 2% KCL wtr. ATP 2600 psi, max 5000 psi. ATR 6.2 bpm, max 6.3 bpm. ISIP 1300 psi. Pump 4 balls/bbl. RD Western, TOOH w/tbg & packer. RU Western to sand frac 5276'-88' KB w/17,640# 20/40 mesh sand & 20,540# 16/30 mesh sand w/14,784 gals 2% KCL gelled wtr. ATP 2550 psi, max 2870 psi. ATR 30.7 bpm, max 31.2 bpm. ISIP 2250 psi, 5 min 2040 psi, 10 min 1870 psi, 15 min 1830 psi, 30 min 1710 psi. SWIFN. Load to recover 409 BW.  
DC: \$26,249 CC: \$212,216
- 9-12-94 Completion  
CP - 1 psi. TIH w/retrieving tools, one 2-3/8" x 4' sub, HD packer, SN & 164 jts 2-7/8" tbg. Tag sand @ 5149' KB. Circ down to BP @ 5239' KB. EOT @ 5232' KB. Made 34 swab runs, recovered 204 BW, trace of oil, good gas. Last 5 runs FL @ 2500', no sand.  
DC: \$3,999 CC: \$216,215
- 9-13-94 Completion  
Made 15 swab runs, recovered 90 bbls of fluid, 100% wtr, trace oil, some gas, no sand. Release packer, tag sand @ 5295' KB, circ down to BP @ 5239' KB. Release BP, reset BP @ 5016' KB. TOOH w/tbg & packer. RU Schlumberger & perforate 4786'-88' (3 shots) & 4938'-46' (10 shots). RD Schlumberger. TIH w/retrieving head, 2-3/8" x 4' sub, HD packer, SN & 156 jts 2-7/8" tbg, set packer @ 4904' KB, EOT @ 4918' KB. SWIFN. Load to recover 115 BW.  
DC: \$2,844 CC: \$291,059
- 9-14-94 Completion  
BP @ 5016'KB, packer @ 4904'KB. RU Western to do KCL break down on 4938'-46' w/1,806 gals 2% KCL wtr. ATP 3100 psi, max 4900 psi. ATR 4.2 bpm, max 7.2 bpm. ISIP 680 psi. Pump 2 balls/bbl, 4 bpm. Reset BP @ 4830' KB, packer @ 4750'KB, EOT @ 4764' KB. RU Western to do KCL break down on 4768'-88' 1,974 gals 2% KCL wtr. ATP 3300 psi, 5000 psi. ATR 4 bpm, max 4 bpm. ISIP 1600 psi. Pump 2 balls/bbl. Reset BP @ 5016' KB, TOOH w/tbg & packer. RU Western to sand frac 4768'-88' & 4938'-46' w/26,800# 16/30 sand w/2,096 gals 2% KCL gelled wtr. ATP 3000 psi, max 3300 psi. ATR 29.5 bpm, 30.4 bpm. ISIP 2200 psi, 5 min 1340 psi, 10 min 1220 psi, 15 min 1140 psi, 30 min 790 psi. 30 min forced closure. SWIFD.  
DC: \$22,951 CC: \$314,010

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

9-2-94 TD: 5,800' (95') Day 9  
Formation: Green River  
MW 8.5 VIS 27  
Present Operation: Running 5-1/2" csg.  
Drill, circ, survey, TOOH for logs. Log well. TIH LD drill  
collars, change BOP rams, test BOP & run 5-1/2" csg.  
DC: \$18,336 CC: \$123,706

9-3-94 TD: 5,800' (0') Day 10  
Formation: Green River  
Present Operation: RDMO.  
Run 5-1/2" csg as follows:  
Guide Shoe .60'  
1 jt 5-1/2", 15.5# Shoe Jt 43.85'  
Float Collar 1.00'  
133 jts 5-1/2", 15.5#, J-55 5734.24'  
5780.24'  
Landing Jt 9.00'  
5-1/2" csg landed @ 5789.24'  
PBSD @ 5743.79'  
Cmt by Western w/261 sxs Super "G" w/2% gel, 2#/sx Hi-Seal, &  
1/4#/sx Celloflakes. Tail w/290 sxs 50-50 POZ w/2% gel & 1/4#/sx  
Celloflake & 2#/sx Hi-Seal2. Plug down @ 9 a.m. Set slips, ND  
BOP, & clean mud tanks. Rig released @ 1:00 p.m. 9-2-94.  
DC: \$50,973 CC: \$174,679

9-8-94 Completion  
MIRU Cannon Well Service Rig #2. NU 5M well head. NU BOP. TIH  
w/4-3/4" bit & csg scraper to 1500'. SWIFN.  
DC: \$5,039 CC: \$179,718

9-9-94 Completion  
Continue in hole w/bit & scraper. Tag PBSD @ 5743' KB. Circ hole  
clean w/126 bbls 2% KCL wtr. TOOH w/tbg & tools. RU Schlumberger  
& run CBL from PBSD to 200' above cmt top @ 1882' KB. Ru  
Schlumberger & perf 5276'-88' KB (4 SPF). RD Schlumberger. TIH  
w/1 RBP 2-3/8" x 5-1/2", one 2/3" x 6' sub, one 2-3/8" x 5-1/2" HD  
packer, one SN & 169 jts 2-7/8" tbg. Set BP @ 5329' KB. Pull up &  
set packer @ 5218' KB EOT @ 5232' KB. SWIFN.  
DC: \$6,249 CC: \$185,967

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

8-27-94 TD: 1,651' (1,171') Day 3  
Formation: Green River  
MW 8.5 VIS 27  
Present Operation: TOOH  
Drill, survey, clean & paint on rig. TIH for plugged bit.  
DC: \$15,676 CC:\$47,852

8-28-94 TD: 2,925' (1,274') Day 4  
Formation: Green River  
MW 8.5 VIS 27  
Present Operation: Drilling  
Finish TIH, drill, survey, clean & paint on rig.  
DC: \$16,897 CC: \$64,749

8-29-94 TD: 3,986' (1,061') Day 5  
Formation: Yellow Zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, survey, clean & paint on rig. Repair air lines.  
DC: \$14,273 CC: \$79,022

8-30-94 TD: 4,444' (458') Day 6  
Formation: Yellow zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, load hole w/fluid & circ. Trip for bit, work on mud pump.  
Drill, survey & clean on rig.  
DC: \$7,840 CC: \$86,862

8-31-94 TD: 5,055' (611') Day 7  
Formation: Green Zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, survey, clean & paint on rig. Fair to good oil show in Y &  
R zones, but not much gas.  
DC: \$9,041 CC: \$95,903

9-1-94 TD: 5,705' (647') Day 8  
Formation: Blue Zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$9,467 CC: \$105,370

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E

Duchesne County, Utah

2143' FNL, 1987' FEL

PTD: 5950' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5398.4' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 8-24-94 @ 7 p.m.

Casing: 8-5/8", 24#, J-55 @ 352.15' KB

5-1/2", 15.5#, J-55 @ 5789.24' KB

Tubing: 2-7/8", 6.5#, J-55 @ 5353.86' KB

---TIGHT HOLE---

8-17-94 Start location.

8-18-94 Work on location & road.

8-20-94 Finish location & road.

8-21-94 Install pit liner.

DC: \$15,295

CC: \$15,295

8-25-94 TD: 210' (210') Day 1

Formation: Uintah

MW air

Present Operation: Drill surface hole.

MIRU. Drill rate hole, drill & set conductor pipe. Drill 12-1/4" hole, air hammer quit, had to change out. TIH & drill.

DC: \$7,739

CC: \$23,034

8-26-94 TD: 480' (270') Day 2

Formation: Uintah

MW air & mist

Present Operation: Drilling

Drill surface hole, TOH, ND air head. Run surface csg & cmt as follows:

Guide Shoe .60'

1 jt 8-5/8", 24#, Shoe Jt 44.90'

Insert Float -----

7 jts 8-5/8", 24#, J-55 307.65'

353.65'

Landing Jt 9.00'

8-5/8" csg landed @ 352.15' KB

Cmt by Western w/220 sxs Class "G" w/2% CCL & 1/4#/sx Celloflake.

6 bbls cmt back to pit. Plug down @ 2:30 p.m. WOC, install head,

NU & test BOP & manifold to 2000# - OK. Test csg to 1500# - OK.

TIH drill cmt, drill ahead. Had to change one blind ram.

DC: \$9,142

CC: \$32,176

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E

Duchesne County, Utah

2143' FNL, 1987' FEL

PTD: 5950' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5398.4' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 8-25-94 @

Casing:

---TIGHT HOLE---

## Tubing:

8-17-94 Start location.

8-18-94 Work on location &amp; road.

8-20-94 Finish location &amp; road.

8-21-94 Install pit liner.

DC: \$15,295

CC: \$15,295

8-25-94 TD: 210' (210') Day 1

Formation: Uintah

MW air

Present Operation: Drill surface hole.

MIRU. Drill rate hole, drill &amp; set conductor pipe. Drill 12-1/4" hole, air hammer quit, had to change out. TIH &amp; drill.

DC: \$7,739

CC: \$23,034

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT --" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFACE SW NE Section 1, T9S, R16E  
 2143' FNL, 1987' FEL

TD:

5. Lease Designation and Serial No.

#U-33992

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #32-1J

9. API Well No.

43-013-31414

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Report of First Production</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

First production on this well was on 9-23-94 at 12:45 a.m.

OCT 5 1994

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman Title Regulatory and Environmental Specialist

Date 10-3-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*See Instruction on Reverse Side**

FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993

5. Lease Designation and Serial No.  
U-33992

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Jonah Unit

8. Well Name and No.  
Balcon Monument Federal #32-1J

9. API Well No.  
43-013-31414

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River

11. County or Parish, State  
Duchesne County, Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT --" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: SW NE Section 1, T9S, R16E  
 TD: 2143' FNL, 1987' FEL

**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used in the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location from the Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct

Signed Robbie Schuman Title Regulatory and Environmental Specialist Date 10-20-94  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*See Instruction on Reverse Side**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN **DATE**  
(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESERV.  Other \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
U-33992  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a  
 7. UNIT AGREEMENT NAME  
Jonah Unit  
 8. FARM OR LEASE NAME  
Balcron Monument Federal  
 9. WELL NO.  
#32-1J  
 10. FIELD AND POOL, OR WILDCAT  
Monument Butte/Green River  
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SW NE  
Section 1, T9S, R16E

**CONFIDENTIAL**

2. NAME OF OPERATOR  
Equitable Resources Energy Company, Balcron Oil Division  
 3. ADDRESS OF OPERATOR  
P.O. Box 21017, Billings, MT 59102 (406) 259-7860  
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 2143' FNL, 1987' FEL  
 At top prod. interval reported below  
 At total depth

12. COUNTY OR PARISH  
Duchesne  
 13. STATE  
Utah

14. PERMIT NO. 43-013-31414  
 DATE ISSUED 11-22-93

15. DATE SPUDDED 8-24-94  
 16. DATE T.D. REACHED 9-2-94  
 17. DATE COMPL. (Ready to prod.) 9-23-94  
 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\* 5398.4' GL  
 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5,800'  
 21. PLUG, BACK T.D., MD & TVD 5743.79'  
 22. IF MULTIPLE COMPL., HOW MANY\* n/a  
 23. INTERVALS DRILLED BY ROTARY TOOLS Sfc - TD  
 CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
 5288' - 4786' Green River  
 25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
 LDT/CNL - DLL/MSFL - CBL MUD LOG 9-13-94  
 27. WAS WELL CORED  
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	352.15' KB	12-1/4"	220 sxs Class "G" w/additives	none
5-1/2"	15.5#	5789.24' KB	7-7/8"	261 sxs Super "G" w/additives	none
				290 sxs 50-50 POZ w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
n/a				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5353.86' KB	n/a

31. PERFORATION RECORD (Interval, size and number)

5276' - 5288' (4 SPF)  
 4938' - 4946' (10 shots)  
 4786' - 4788' (3 shots)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See attachment.	

33.\* PRODUCTION

DATE FIRST PRODUCTION 9-23-94  
 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump  
 WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-12-94	24	n/a		51.65	N.M.	0	N.M.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
r/a	n/a		51.65	N.M.	0	34

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
 Used for fuel.  
 TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS  
 Attachment for acid, shot, fracture information.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 10-20-94

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
			<p>No DST's run.</p>	<p>See Geological Report submitted separately.</p>		

38. GEOLOGIC MARKERS

Equitable Resources Energy Company  
Balcron Oil Division

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah

<u>Perforated Interval</u>	<u>Quantity and Material Used</u>
5276'-88' KB (4 SPF):	Breakdown with 2394 gallons 2% KCL water. Frac with 17,640# 20/40 mesh sand & 20,540# 16/30 mesh sand with 14,784 gallons 2% KCL gelled water.
4768'-88' (3 shots):	Breakdown with 1,974 gallons 2% KCL wtr.
4938'-46' (10 shots):	Breakdown with 1,806 gallons 2% KCL wtr.
4768'-88' & 4938'-46':	Frac with 26,800# 16/30 sand with 2,096 gallons 2% KCL gelled wtr.

/mc

**RECEIVED**

SEP 13 1994

DIVISION OF  
OIL, GAS & MINING

BALCRON OIL COMPANY

BALCRON MONUMENT FEDERAL #32-1-J

SW NE SECTION 1, T9S, R16E

DUCHESNE COUNTY, UTAH

Prepared by:

Roy L. Clement  
c/o Clement Consulting  
1907 Sligo Lane  
Billings, Montana 59106  
(406) 656-9514

Prepared for:

Dave Bickerstaff &  
Keven Reinschmidt  
c/o Balcron Oil Company  
Post Office Box 21017  
Billings, MT 59104  
(406) 259-7860

WELL DATA SUMMARY

OPERATOR: BALCRON OIL COMPANY

ADDRESS: Post Office Box 21017  
Billings, Montana 59104

WELL NAME: Balcron Monument Federal #32-1-J

FIELD: Monument Butte

LOCATION: 2143' FNL & 1987' FEL  
SW NE SECTION 1, T9S, R16E

LEASE#: U-33992

API#: 43-013-31414

COUNTY: Duchesne

STATE: Utah

BASIN: Uinta

WELL TYPE: Developmental Well

BASIS OF PROSPECT: Oil Production @ Monument Butte Field

ELEVATION: GL: 5397' SUB: 10' KB: 5407'

SPUD DATE: August 24, 1994 @ 1930 MDT

TOTAL DEPTH/DATE: 5800' on September 1, 1994

TOTAL DRILLING DAYS: 8 TOTAL ROTATING HOURS: 140.25

STATUS OF WELL: Cased for Completion on September 2, 1994

CONTRACTOR: Union Drilling Company, Rig #17

TOOLPUSHER: Dave Gray

FIELD SUPERVISOR: Al Plunkett

MUD ENGINEER: Al Plunkett

MUD TYPE: Air/Foam from surface to 4110';  
KCL/Fresh Water from 4110' to TD.

WELLSITE GEOLOGIST: Roy L. Clement

PROSPECT GEOLOGISTS: Dave Bickerstaff and Keven K. Reinschmidt  
of Balcron Oil Company

MUDLOGGERS: Bob Keefe and Bill Piety of Chapman Exploration Services

**SAMPLING PROGRAM:** 50' samples from 1500' to 4100'; 10' samples from 4100' to 5800' (TD). All samples lagged and caught by mud loggers. One dry set of samples sent to the state of Utah.

**HOLE SIZE:** 12 1/4" to 375'  
7 7/8" to TD

**CASING:** 8 5/8" surface casing set at 362'  
5 1/2" production casing to Total Depth

**DRILL STEM TEST:** None

**CORE PROGRAM:** None

**ELECTRIC LOGGING PROGRAM:** 1.) LDT/CNL Log from 5768' - 3700'  
2.) DLL/MSFL from 5786' - 360'

**LOG TOPS:** Green River @ 1577'; Horsebench Ss @ 2299'; Second Garden Gulch @ 3944'; Y-3 @ 4290'; Y-5 @ 4488'; Yellow Marker @ 4578'; Douglas Creek @ 4740'; R-1 @ 4757'; R-5 @ 4937'; Second Douglas Creek @ 4986'; Green Marker @ 5162'; G-5 @ 5275'; Carbonate Marker @ 5590'; B-1 @ 5670'; TD @ 5801'.

**LOGGING COMPANY:** Schlumberger  
**LOGGING ENGINEER:** Steve Robinson

**CORRELATION WELL:** 1.) Gulf Energy Corp.  
MBF #1-33  
Nw Se Section 1, T9S, R16E

**DISTRIBUTION LIST:** Balcron Oil Company  
Attn: Dave Bickerstaff & Keven K. Reinschmidt  
Post Office Box 21017  
Billings, MT 59104

Balcron Oil Company  
Attn: Dale Griffin  
P.O. Box 416  
Roosevelt, UT 84066

State of Utah  
Division of Oil, Gas, and Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180

Wildrose Resources Corp.  
Attn: Kathleen L. Cox  
4949 S. Albion Street  
Littleton, CO 80121

Key Production Co.  
Attn: Tom Jordon  
1700 Lincoln Street, Suite 2050  
Denver, CO 80203-4520

Devon Energy Corp.  
Attn: Steve Blair  
20 N. Broadway, Suite 1500  
Oklahoma City, OK 73102-8260

Snyder Oil Corp.  
1625 Broadway, Suite 2200  
Denver, CO 80202

Trans Republic  
Attn: R.F. Bailey  
P.O. Box 3595  
Midland, TX 79702

Texaco Explor. & Prod.  
Attn: S.R. Meck  
P.O. Box 46555  
Denver, CO 80201-6555

BLM  
Attn: Ed Forsman  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

## WELL EVALUATION

The Balcron Monument Federal #32-1-J was a developmental well drilled within the Jonah Unit of Monument Butte Field. Operated by Balcron Oil Company, the #32-1-J was located in the SW NE of Section 1, T9S, R16E in Duchesne County, Utah. Primary objectives were the various sandstone members of the Green River Formation which are currently under going a water flood project for enhanced oil recovery in the Jonah Unit.

Balcron Oil spudded the Monument Federal #32-1-J on August 24, 1994 and a total depth of 5800' was reached after 8 days. On the basis of encouraging mud log shows, sample shows and E-Log evaluations, the #32-1-J was cased for completion operations on September 2, 1994.

### Zones of Interest:

The Y-3 Sand was present from 4290' to 4296'. Although only a slight gas increase of 11 units was recorded, poorly consolidated sandstone with dark brown oil staining was noted through this 6' interval. E-logs indicate 16 to 17% porosity in the Y-3. An additional 8' thick sand section was encountered at 4315', also resulting in a minor gas increase of 14 units. Samples were comprised of unconsolidated sands with light brown spotty oil stain. Porosity ranges from 14 to 20% at 4315' to 4323'.

The Y-5 Sand was topped at 4484' with a gas increase of 271 units. Oil on the pits was noted along with a poorly consolidated to unconsolidated sandstone. This interval was 12' thick averaging 15% porosity.

The R-1 Sands were relatively thin and poorly developed at 4757' to 4769'. A 213 unit net gas show was detected from the R-1 from unconsolidated sandstones with light brown oil staining.

The R-5, 4937' to 4947', was comprised of unconsolidated sandstones with 15 to 19% porosity and relatively clean gamma ray readings. Light brown oil staining and a 220 unit gas increase were noted from the R-5 pay.

The G-5 Sand was present from 5275' to 5289', averaging 20% porosity with a clean GR profile. A significant gas show of 1285 total units with the full range of components occurred from the G-5 along with oil on the reserve pit. Samples indicate a 14' thick section of unconsolidated sandstone with light brown oil staining.

A poorly developed B-1 Sand was encountered at 5674' with 2' of 13% porosity and a 191 unit net gas increase. Samples were comprised of unconsolidated sandstone with light brown spotty oil staining.

Conclusions:

1.) Based on gas readings, log evaluations and sample shows, the G-5 and R-5 Sands appear to have the best potential for oil production at the Balcron Monument Federal #32-1-J.

2.) Additional "pay" may be indicated in the Y Sands and further evaluation of these intervals through production casing is warranted.

Respectfully submitted,

A handwritten signature in cursive script, reading "Roy L. Clement", with a long horizontal flourish extending to the right.

Roy L. Clement  
Wellsite Geologist

DAILY ACTIVITY

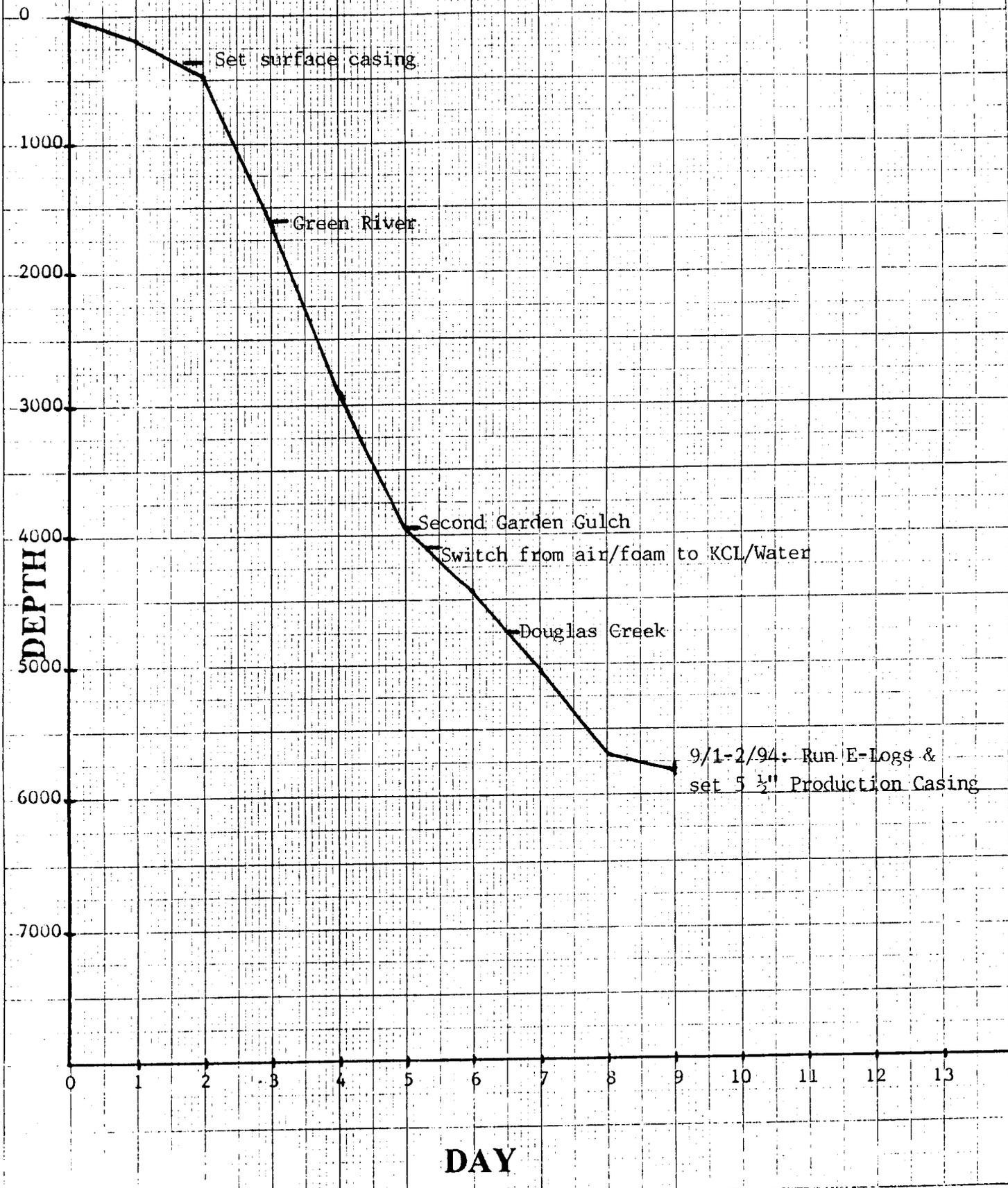
<u>DAY</u>	<u>DATE</u>	<u>DEPTH</u>	<u>PROG</u>	<u>BIT</u>	<u>WOB</u>	<u>RPM</u>	<u>PP</u>	<u>WT*</u>	<u>VIS</u>	<u>WL</u>	<u>ACTIVITY</u>	<u>FORMATION</u>	
0	8/24	0'	0'	1	4	20	110	8.5	27	n/c	Rig up, spud @ 1930 MDT		
1	8/25	200'	200'	2	8	20	200	8.5	27	n/c	Set surface casing		
2	8/26	470'	270'	3	43	60	200	8.5	27	n/c	Drill ahead	Uinta	
3	8/27	1651'	1181'	3	45	65	200	8.5	27	n/c	Trip for jets	Green R.	
4	8/28	2892'	1241'	3	45	60	200	8.5	27	n/c	Drill ahead	Green R.	
5	8/29	3954'	1062'	3	45	65	240	8.5	27	n/c	Mud up	Green R.	
6	8/30	4420'	466'	4	45	65	850	8.5	27	n/c	Drill ahead	Y-sands	
7	8/31	5041'	621'	4	45	65	900	8.5	27	n/c	Drill ahead	Douglas C.	
8	9/1	5700'	659'	4	45	65	900	8.5	27	n/c	Drill to TD	B Zone	
9	9/2	5800'	100'	----- Static, run E-Logs & set production casing -----									

\*Note: drilled with air and foam from surface to 4110', switched to KCL and fresh water at 4110'.

46 1470

PAUL HOFFEL & SONS CO. MINN.

# TIME vs DEPTH



BIT RECORD

CONTRACTOR: UNION DRILLING, RIG #17

SPUD: 8/24/94 TOTAL DEPTH: 9/1/94 TOTAL ROTATING HOURS: 140.25

<u>BIT NO.</u>	<u>SIZE</u>	<u>TYPE/MAKE</u>	<u>JETS SIZE</u>	<u>SERIAL #</u>	<u>DEPTH</u>		<u>ACCUM</u>				<u>PP</u>	<u>T</u>	<u>B</u>	<u>G</u>
					<u>OUT</u>	<u>FEET</u>	<u>HOURS</u>	<u>HOURS</u>	<u>WOB</u>	<u>RPM</u>				
1	12 1/4	IR FB	open	??	150'	150'	3.75	3.75	5	40	-	170		BROKE
2	12 1/4	Rerun	open	733114	375'	225'	9.75	13.5	10	40	-	160		OK
3RR	7 7/8	SEC S88CFH	24 24 24	639483	4110'	3735'	66.75	80.25	45	65	-	200	2	2 I
3	7 7/8	HTC ATJ-44	12 12 12	P58WB	5800'	1690'	60.00	140.25	45	65	1°	900	4	2 I

DEVIATION SURVEYS

<u>DEPTH</u>	<u>DEVIATION</u>
683'	3/4 <sup>0</sup>
1177'	1 <sup>0</sup>
1651'	1/2 <sup>0</sup>
2200'	1 3/4 <sup>0</sup>
2700'	1 3/4 <sup>0</sup>
3204'	2 1/4 <sup>0</sup>
3700'	1 1/4 <sup>0</sup>
4200'	1 3/4 <sup>0</sup>
4700'	2 <sup>0</sup>
5319'	2 <sup>0</sup>
5800'	1 3/4 <sup>0</sup>

FORMATION TOPS AND STRUCTURAL RELATIONSHIPS

SUBJECT WELL: Monument Federal #32-1-J; SW NE Sec 1, T9S, R16E KB: 5407'  
OFFSET #1: Gulf MBF #1-33; NW SE Sec 1, T9S, R16E KB: 5437'

<u>AGE and FORMATION</u>	<u>PROG</u>	<u>SAMPLE</u>	<u>E-LOG</u>	<u>DATUM</u>	<u>THICK</u>	<u>DIP TO OFFSET #1</u>
<b>TERTIARY</b>						
Uinta	Surface					
Green River	1610'	1600'	1577'	3830'	722'	-17'
Horsebench Ss	2315'	2310'	2299'	3108'	1645'	-34'
2nd Garden Gulch	3961'	3960'	3944'	1463'	32'	-33'
Y-3	4295'	4292'	4290'	1117'	6'	-45'
Y-5	----	4484'	4488'	919'	12'	NP
Yellow Marker	4594'	4578'	4578'	829'	5'	-34'
Douglas Creek	4758'	4740'	4740'	667'	17'	-32'
R-1	4798'	4758'	4757'	650'	12'	- 9'
R-2	4839'	NP	--	--	--	--
R-5	4931'	4938'	4937'	470'	10'	NP
2nd Douglas Ck	5006'	4990'	4986'	421'	176'	-30'
Green Marker	5153'	5140'	5162'	245'	113'	-59'
G-5	----	5278'	5275'	132'	14'	NP
Carbonate Mkr.	5609'	5590'	5590'	-183'	8'	-31'
B-1	5700'	5670'	5670'	-263'	6'	-20'

REFERENCE WELL

GULF ENERGY CORPORATION  
MBF #1-33  
NW SE SEC 1, T9S, R16E  
KB: 5437'

<u>AGE and FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>THICK</u>
<b>TERTIARY</b>			
Uinta	Surface		
Green River	1590'	3847'	705'
Horsebench Ss	2295'	3142'	1646'
2nd Garden Gulch	3941'	1496'	35'
Y-3	4275'	1162'	14'
Yellow Marker	4574'	863'	164'
Douglas Creek	4738'	699'	40'
R-1	4778'	659'	4'
R-2	4819'	618'	14'
2nd Douglas Creek	4986'	451'	421'
Green Marker	5407'	304'	182'
Carbonate Marker	5589'	-152'	8'
B-1	5680'	-243'	7'

## LITHOLOGY

**Sample Program:** 50' samples from 1500' to 4100' and 10' samples from 4100' to Total Depth. All samples were lagged and caught by a two man mud logging crew. Descriptions begin at 1500' in the Uinta Formation. Sample quality was fair to good unless noted other wise.

1500' - 1550'      **Sandstone:** light gray, clear, fine to medium grained, angular to sub angular, poor sorting, fair consolidation and calcareous cemented, micaceous, interbeds of Shale: light gray to gray orange, firm, blocky, slightly calcareous

1550' - 1600'      No Sample, bucket blown off blooey line

**Sample Top: Green River @ 1600'**

1600' - 1651'      **Shale:** light to medium gray, graybrown to orangebrown, firm, blocky, dolomitic to calcareous, silty

**Note:** Tripped at 1651' for plugged jets.

1651' - 1700'      No sample, bucket blown off blooey line

1700' - 1750'      **Shale:** light brown to orangebrown, firm, blocky, dolomitic to calcareous, silty in part, trace Pyrite and tan to cream Dolomite

1750' - 1900'      **Shale:** brown to graybrown, orangebrown, soft to firm, blocky to platy, calcareous to dolomitic, silty to pyritic, trace white calcite crystals

1900' - 2100'      **Shale:** orangebrown to graybrown, soft to firm, blocky to platy, dolomitic, abundant Pyrite, silty in part, occasional white to tan calcite crystals

2100' - 2310'      **Shale:** light to medium brown, orangebrown to graybrown, blocky to platy, firm, calcareous to dolomitic, silty in part, abundant Pyrite and calcite crystals

**Sample Top: Horsebench Sandstone @ 2310'**

2310' - 2360'      **Sandstone:** light gray to white, angular to sub angular, fine to medium grained, poor sorting, poorly consolidated to unconsolidated, calcareous to clayey, abundant mica and pyrite, interbeds of Shale

2360' - 2500'      **Shale:** light to medium gray, graybrown to

- orangebrown, firm, blocky to platy, dolomitic, silty in part, trace pyrite and white calcite crystals
- 2500' - 2650'      Shale:      light to medium brown, graybrown to orangebrown, soft to firm, platy to blocky, dolomitic to marly, silty in part, trace pyrite and tan dolomite
- 2650' - 2760'      Dolomite:      tan to cream, microcrystalline, firm to slightly hard and siliceous in part, dense to slightly chalky, argillaceous to shaly, interbeds of Shale: as above
- 2760' - 2800'      Sandstone:      light gray to clear, salt and peppered in part, very fine to medium grained, sub angular, poor sorting, unconsolidated to poorly consolidated, micaceous, trace black asphalt, no fluorescence, slow yellowgreen streaming cut
- 2800' - 2850'      Shale:      light to medium brown, gray to graybrown, soft, platy to sub blocky, slightly calcareous, laminated, petroliferous, no fluorescence, yellowgreen streaming cut
- 2850' - 2985'      Shale:      light gray to graybrown, soft to firm, platy to blocky, calcareous to marly, silty to pyritic in part
- 2985' - 3025'      Sandstone:      light gray to white, sub angular to angular, fine to medium grained, poor sorting, poorly consolidated to unconsolidated, calcareous cement in part, micaceous to pyritic, trace black asphalt, dull yellow fluorescence, slow yellowgreen streaming cut
- 3025' - 3225'      Dolomite:      tan to cream, buff, crypto to microcrystalline, firm, slightly hard and siliceous in part, dense to slightly chalky, argillaceous to arenaceous, trace pin point vugular porosity, trace black asphaltic stain, dull yellow fluorescence, moderate yellowgreen streaming cut, interbedded with Shale: light to medium brown, graybrown, firm, blocky to platy, dolomitic to marly, abundant pyrite
- 3225' - 3300'      Siltstone:      light to medium gray, firm, calcareous, grading to very fine grained Sandstone
- 3300' - 3530'      Shale:      light to medium brown, graybrown, firm, blocky to platy, calcareous, trace pyrite, interbeds of Dolomite: cream to buff, microcrystalline, firm, dense to chalky, calcareous to limy, argillaceous

- 3530' - 3580'      Siltstone: light to medium gray, firm, calcareous, grading to very fine grained Sandstone
- 3580' - 3660'      Shale: light to medium gray, brown to graybrown, firm, platy to sub blocky, calcareous, occasional interbeds of Limestone: tan to cream, microcrystalline, firm, dense to chalky, argillaceous
- 3660' - 3740'      Sandstone: light gray to graybrown, clear, very fine to medium grained, angular to sub angular, poor sorting, predominantly unconsolidated, micaceous, trace dark brown asphalt, no fluorescence, occasional slow yellowgreen streaming cut, silty in part
- 3740' - 3900'      Shale: gray to graybrown, light brown, firm, platy to sub blocky, calcareous, silty, interbeds of Limestone: light brown to cream, cryptocrystalline, soft to firm, chalky to dense, argillaceous
- 3900' - 3960'      Siltstone: light to medium gray, graygreen, firm, calcareous, grading to very fine grained Sandstone

Sample Top: Second Garden Gulch @ 3960'

- 3960' - 4000'      Limestone: cream to buff, white in part, cryptocrystalline, soft, chalky to dense, argillaceous to shaly in part
- 4000' - 4055'      Siltstone: light to medium gray, firm, calcareous, grading to very fine grained sandstone in part
- 4055' - 4110'      Shale: brown to graybrown, firm, platy to blocky, calcareous to marly

Note: Trip at 4110' and switch from air/foam to KCL/water.

- 4110' - 4184'      Siltstone: light to medium gray, firm, calcareous, trace pyrite, grading to very fine grained sandstone in part
- 4184' - 4238'      Shale: light to medium brown, gray to graybrown, soft to firm, platy, calcareous, silty, trace pyrite, interbedded with Limestone: tan to cream, cryptocrystalline, firm, dense to chalky, argillaceous
- 4238' - 4246'      Sandstone: light brown to clear, very fine to fine grained, sub angular, fair sorting, poorly consolidated, slightly calcareous, micaceous, very poor visual porosity, dark brown uniform oil stain, dull

yellow to gold fluorescence, immediate  
yellowwhite streaming cut

4246' - 4292'      Shale:      light to medium gray, graygreen, firm, blocky to platy, calcareous, trace pyrite, silty and grading to Siltstone

Sample Top: Y-3 Sand @ 4292'

4292' - 4300'      Sandstone:      light to medium brown, very fine to medium grained, sub angular, poor sorting, poorly consolidated, slightly calcareous, micaceous, very poor visual porosity, dark brown uniform oil stain, dull gold to dull yellow fluorescence, immediate yellowwhite streaming cut

4300' - 4316'      Shale:      light to medium gray, firm, platy, calcareous, silty, pyritic

4316' - 4324'      Sandstone:      light brown, clear, fine grained, sub angular to sub rounded, fair sorting, unconsolidated, micaceous in part, light brown spotty oil stain, moderate yellowgreen fluorescence, immediate yellowgreen streaming cut

4324' - 4360'      Shale:      light to medium brown, graybrown, firm, blocky to sub platy, calcareous, silty in part, interbeds of Limestone: cream to buff, cryptocrystalline, soft, chalky to dense, argillaceous, trace Ostracods

4360' - 4380'      Siltstone:      light to medium gray, firm, calcareous, pyritic, grading to very fine grained Sandstone in part

4380' - 4420'      Shale:      gray to graybrown, brown in part, soft to firm, platy to blocky, calcareous, silty in part, occasional interbeds of tan to cream Limestone

4420' - 4450'      Shale:      brown to dark brown, firm, blocky, calcareous, silty in part

4450' - 4472'      Shale:      medium to dark brown, soft, platy, slightly calcareous, carbonaceous

4472' - 4484'      Siltstone:      light gray to graywhite, firm, calcareous, grading to Sandstone in part

Sample Top: Y-5 Sand @ 4484'

4484' - 4496'      Sandstone:      light brown to graybrown, clear, fine to medium grained, sub angular to sub rounded, poor sorting, poorly consolidated to unconsolidated, light brown spotty oil stain and oil on pit, moderate yellowgreen fluorescence, immediate

yellowgreen streaming cut, silty in part

- 4496' - 4530'      Siltstone: light to medium gray, firm to slightly hard, calcareous, grading to Sandstone in part
- 4530' - 4540'      No sample, work on mud pump
- 4540' - 4570'      Sandstone: light gray to clear, very fine to fine grained, sub angular, fair sorting, predominantly unconsolidated, grading to Siltstone
- 4570' - 4578'      Limestone: tan to cream, white in part, cryptocrystalline, soft, chalky

Sample Top: Yellow Marker @ 4578'

- 4578' - 4584'      Sandstone: light gray to graybrown, very fine to fine grained, sub angular, fair sorting, predominantly unconsolidated, trace brown spotty oil stain, no fluorescence, occasional slow yellowwhite streaming cut
- 4584' - 4614'      Siltstone: light to medium gray, firm, calcareous
- 4614' - 4618'      Sandstone: clear, fine to medium grained, angular to sub angular, poor sorting poorly consolidated, trace black asphaltic stain, no fluorescence, occasional slow yellowwhite streaming cut
- 4618' - 4650'      Siltstone: light gray to graywhite, firm to slightly hard, calcareous, grading to very fine grained Sandstone in part
- 4650' - 4740'      Shale: light to medium gray, graybrown in part, firm, platy to sub blocky, calcareous, trace Pyrite, silty and grading to Siltstone: as above

Sample Top: Douglas Creek @ 4740'

- 4740' - 4758'      Limestone: cream to buff, light brown, microcrystalline, soft to firm, chalky to earthy, argillaceous to shaly in part

Sample Top: R-1 Sand @ 4758'

- 4758' - 4770'      Sandstone: light brown, clear, very fine to fine grained, sub angular to sub rounded, poor sorting, predominantly unconsolidated, light brown oil stain, moderate yellowgreen fluorescence, yellowgreen streaming cut, silty in part
- 4770' - 4800'      Shale: light to medium gray, firm, platy, calcareous, trace finely disseminated Pyrite, silty, occasional thin interbeds of Sandstone: as above

- 4800' - 4816'      Shale:      brown to graybrown, firm, platy, calcareous, silty, carbonaceous in part, abundant finely disseminated Pyrite
- 4816' - 4840'      Shale:      light to medium gray, firm, platy, calcareous, very silty and grading to Siltstone
- 4840' - 4856'      Shale:      medium to dark brown, soft, platy, slightly calcareous, carbonaceous, trace Pyrite
- 4856' - 4886'      Shale:      light to medium gray, firm, platy, calcareous, silty, trace finely disseminated Pyrite
- 4886' - 4894'      Sandstone: light to medium brown, very fine to fine grained, occasional medium grained, sub angular, poor to fair sorting, unconsolidated to poorly consolidated, micaceous, brown oil stain, yellow to yellowgreen fluorescence, immediate bright yellowgreen streaming cut
- 4894' - 4938'      Shale:      light to medium gray, firm, calcareous, silty, trace pyrite

Sample Top: R-5 Sand @ 4938'

- 4938' - 4946'      Sandstone: light brown, very fine to fine grained, sub rounded, fair sorting, unconsolidated, light brown oil stain, yellowgreen spotty fluorescence, yellowgreen streaming cut
- 4946' - 4990'      Shale:      light to medium gray, firm, calcareous, very silty and grading to Siltstone

Sample Top: Second Douglas Creek @ 4990'

- 4990' - 5000'      Shale:      light to medium brown, graybrown, soft to firm, platy to sub blocky, calcareous to marly, silty, trace tan to cream Limestone
- 5000' - 5040'      Shale:      light to medium gray, firm, platy, calcareous, silty
- 5040' - 5066'      Shale:      medium to dark brown, soft to firm, platy, calcareous to marly, trace pyrite
- 5066' - 5108'      Shale:      light to medium gray, graybrown in part, firm, platy, calcareous, silty, abundant finely disseminated pyrite
- 5108' - 5140'      Shale:      medium to dark brown, dark graybrown to black, soft, blocky to platy, slightly calcareous, carbonaceous to petroliferous, no fluorescence, occasional slow weak yellowwhite diffuse cut

Sample Top: Green Marker @ 5140'

- 5140' - 5168'      Shale:      light to medium gray, firm, platy, calcareous, silty, trace cream to buff Limestone
- 5168' - 5200'      Shale:      gray to graybrown, firm, platy to blocky, calcareous, slightly silty, calcareous in part, abundant finely disseminated pyrite
- 5200' - 5278'      Siltstone:      light to medium gray, graywhite, firm, calcareous, grading to very fine grained Sandstone in part, interbeds of Shale: light to medium gray, firm, platy, calcareous, abundant pyrite

Sample Top: G-5 Sand @ 5278'

- 5278' - 5291'      Sandstone:      light brown, clear in part, very fine to fine grained, sub angular to sub rounded, fair to well sorted, unconsolidated, light brown oil stain through out and oil on reserve pit, moderate to bright yellowgreen fluorescence, immediate bright yellowgreen streaming cut
- 5291' - 5352'      Shale:      light to medium gray, light graybrown in part, firm, platy to sub blocky, calcareous, silty and grading to Siltstone in part, trace Pyrite
- 5352' - 5380'      Shale:      medium to dark brown, graybrown, soft, platy, slightly calcareous, abundant finely disseminated pyrite
- 5380' - 5422'      Shale:      light to medium gray, graybrown in part, soft to firm, platy, calcareous, silty, trace pyrite
- 5422' - 5490'      Shale:      dark brown to dark graybrown, black in part, soft, platy, slightly calcareous, carbonaceous to petroliferous, trace finely disseminated pyrite, no fluorescence, occasional slow yellowwhite streaming cut
- 5490' - 5526'      Shale:      light to dark graybrown, dark brown, soft to firm, platy to blocky, calcareous to marly in part, carbonaceous, silty in part
- 5526' - 5590'      Shale:      dark brown to black, dark graybrown, soft, platy to blocky, slightly calcareous, carbonaceous, silty in part

Sample Top: Carbonate Marker @ 5590'

- 5590' - 5598'      Limestone:      cream to light brown, white in part, microcrystalline, soft, chalky to earthy, argillaceous in part

5598' - 5636' Siltstone: light gray to graywhite, firm, calcareous, grading to very fine grained Sandstone in part

5636' - 5670' Sandstone: light gray to graywhite, fine to medium grained, sub rounded to sub angular, poor sorting, poorly consolidated to unconsolidated, calcareous to clay cement in part, micaceous, silty, trace black dead asphaltic stain

Sample Top: B-1 Sand @ 5670'

5670' - 5678' Sandstone: clear to light brown, fine to medium grained, occasional coarse grains, sub round to sub angular, poorly sorted, predominantly unconsolidated, micaceous, light brown spotty oil stain, moderate yellowgreen spotty fluorescence, yellowgreen streaming cut

5678' - 5722' Siltstone: light gray to graywhite, firm, calcareous, grading to very fine grained Sandstone

5722' - 5738' Shale: dark brown to dark graybrown, soft, platy to fissile, slightly calcareous, carbonaceous, abundant finely disseminated pyrite

5738' - 5762' Sandstone: light gray, clear, fine to medium grained, occasional coarse grains, sub rounded to sub angular, poor sorting, poorly consolidated to unconsolidated, calcareous cement in part, grading to Siltstone

5762' - 5800' Shale: gray to graybrown, dark brown and carbonaceous in part, soft to firm, blocky to platy, calcareous, silty, pyritic

Note: Driller's total depth at 5800'. Circulate and condition hole for logging.

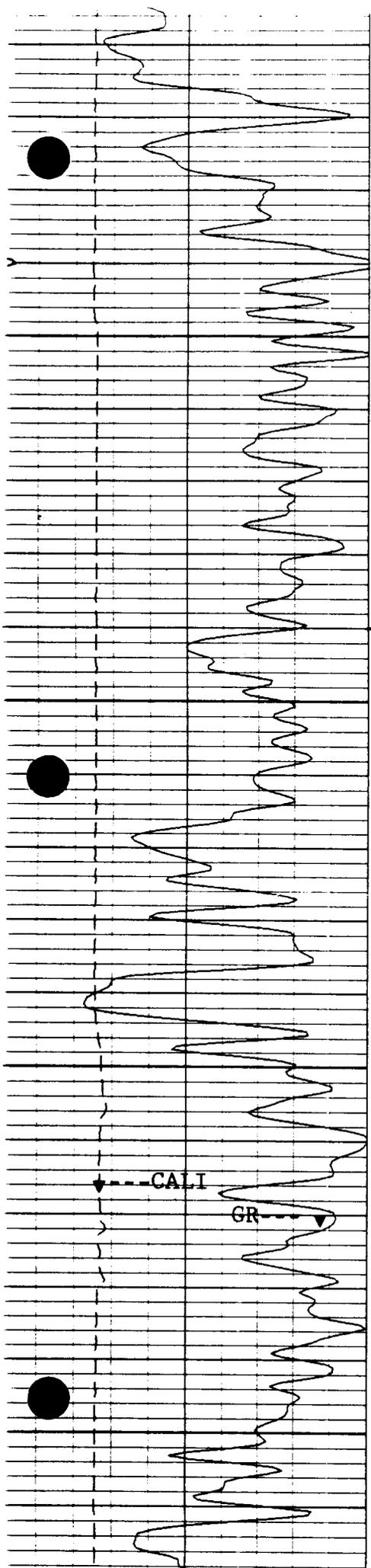




SIMULTANEOUS  
**COMPENSATED NEUTRON-  
LITHO-DENSITY**

COUNTY DUCHE SNE FIELD MONUMENT BUTTE GREEN RIVER LOCATION 2143 FNL & 1987 FEL WELL MONUMENT FEDERAL #32-1J COMPANY BALCRON OIL COMPANY	<b>COMPANY</b> BALCRON OIL COMPANY <b>WELL</b> MONUMENT FEDERAL #32-1J <b>FIELD</b> MONUMENT BUTTE/GREEN RIVER <b>COUNTY</b> DUCHESNE <b>STATE</b> UTAH															
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><b>LOCATION</b></td> <td style="width: 60%;">2143 FNL &amp; 1987 FEL SW NE</td> <td style="width: 30%;"><b>Other Services:</b> LDT/CNL DLL/MSFL</td> </tr> <tr> <td><b>API SERIAL NO.</b></td> <td><b>SECT.</b></td> <td><b>TWP.</b></td> </tr> <tr> <td>N/A</td> <td>1</td> <td>9S</td> </tr> <tr> <td></td> <td></td> <td><b>RANGE</b></td> </tr> <tr> <td></td> <td></td> <td>16E</td> </tr> </table>	<b>LOCATION</b>	2143 FNL & 1987 FEL SW NE	<b>Other Services:</b> LDT/CNL DLL/MSFL	<b>API SERIAL NO.</b>	<b>SECT.</b>	<b>TWP.</b>	N/A	1	9S			<b>RANGE</b>			16E
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		16E														
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<b>Log Measured From</b>	KELLY BUSHING	10.0 F	above Perm. Datum	D.F.5406.0 F												
<b>Drilling Measured From</b>	KELLY BUSHING			G.L.5397.0 F												
<b>Date</b>	01-SEP-1994															
<b>Run No.</b>	ONE															
<b>Depth Driller</b>	5800.0 F															
<b>Depth Logger (Schl.)</b>	5801.0 F															
<b>Btm. Log Interval</b>	5768.0 F															
<b>Top Log Interval</b>	3700.0 F															
<b>Casing-Driller</b>	8 5/8 IN	@ 363.0 F	@	@												
<b>Casing-Logger</b>	360.0 F															
<b>Bit Size</b>	7 7/8 IN	@	@	@												
<b>Type Fluid in Hole</b>	KCL WATER															
<b>Dens.</b>	<b>Visc.</b>	8.40 LB/G														
<b>pH</b>	<b>Fid. Loss</b>															
<b>Source of Sample</b>	FLOWLINE															
<b>Rm @ Meas. Temp.</b>	.390 OHMM	@ 84.0 DEGF	@	@												
<b>Rmf @ Meas. Temp.</b>	.390 OHMM	@ 84.0 DEGF	@	@												
<b>Rmc @ Meas. Temp.</b>		@	@	@												
<b>Source: Rmf</b>	<b>Rmc</b>	MEASURED	NONE													
<b>Rm @ BHT</b>	.245 OHMM	@ 138. DEGF	@	@												
<b>TIME</b>	<b>Circulation Ended</b>	11:00 01-SEP-1994														
	<b>Logger on Bottom</b>	15:07 01-SEP-1994														
<b>Max. Rec. Temp.</b>	138. DEGF															
<b>Equip.</b>	<b>Location</b>	8264	VERNAL,UT													
<b>Recorded By</b>	S. ROBINSON															
<b>Witnessed By</b>	AL PLUNKETT/ ROY CLEMENT															

The well name, location and borehole reference data were furnished by the operator.



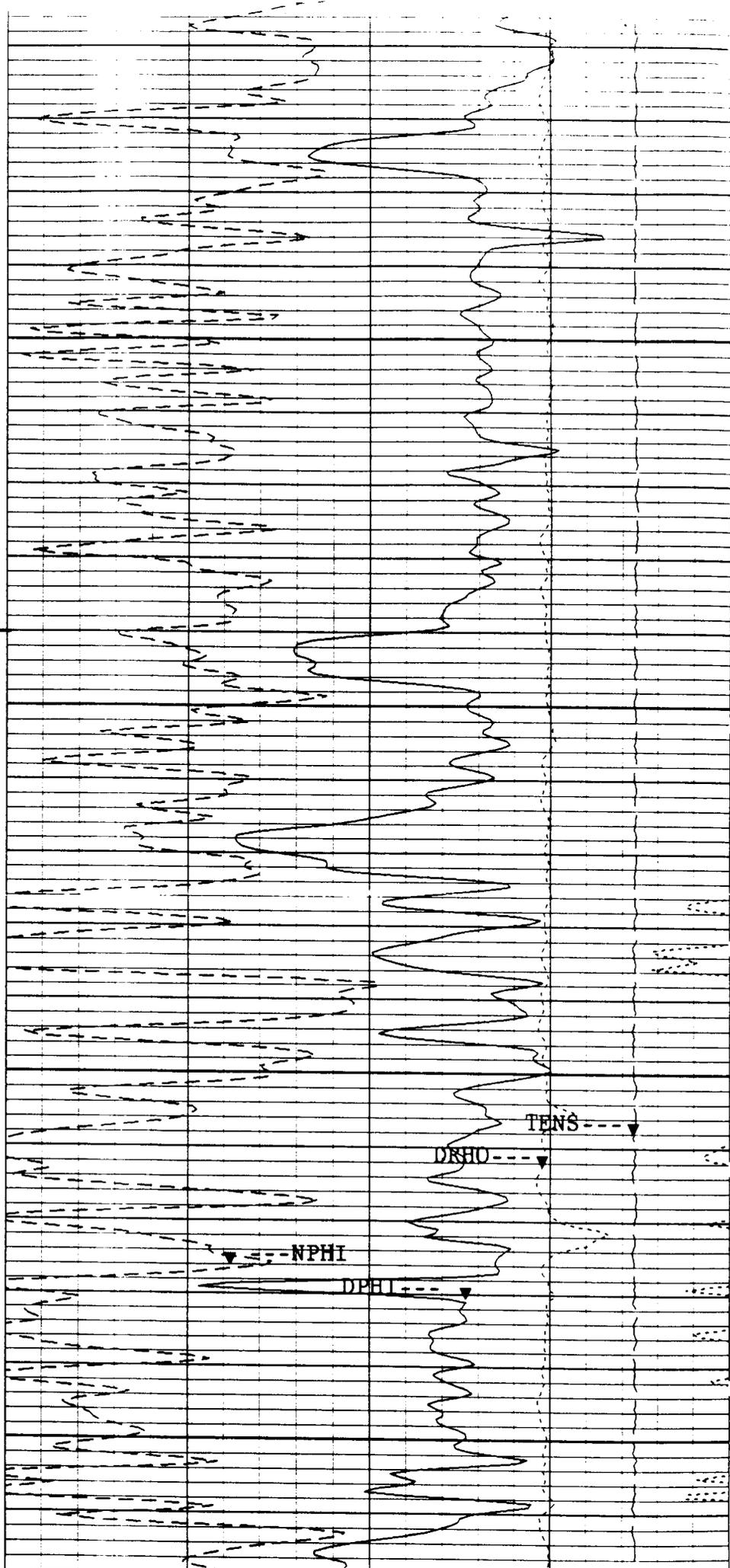
Y 3

4300

← CALI

GR →

4400



TENS →

DRHO →

← NPHI

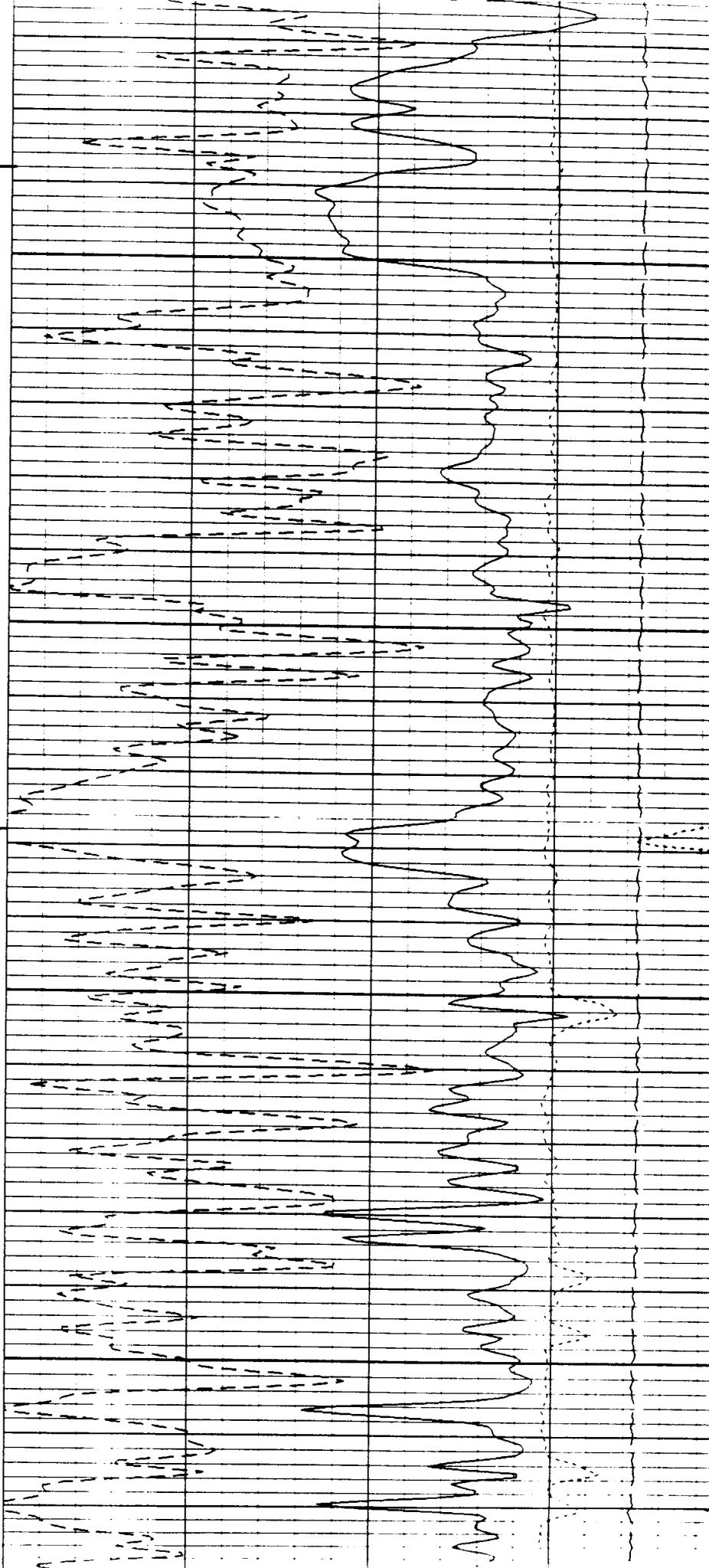
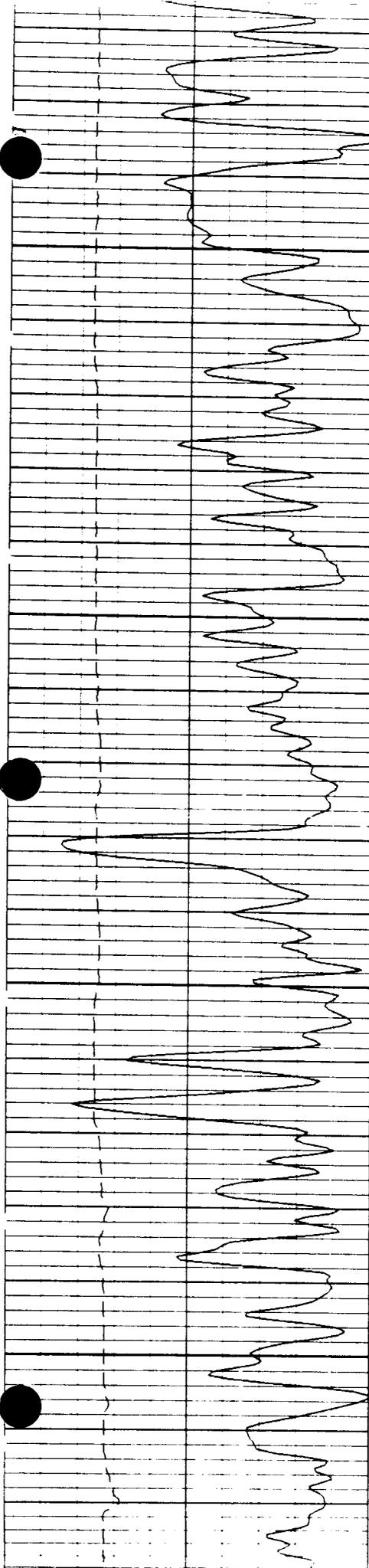
DPHI →

4-5

4500

Yellow  
MARKER

4600



Douglas  
Creek

R-1

---CALI

---OR

---TENS

---DRHO

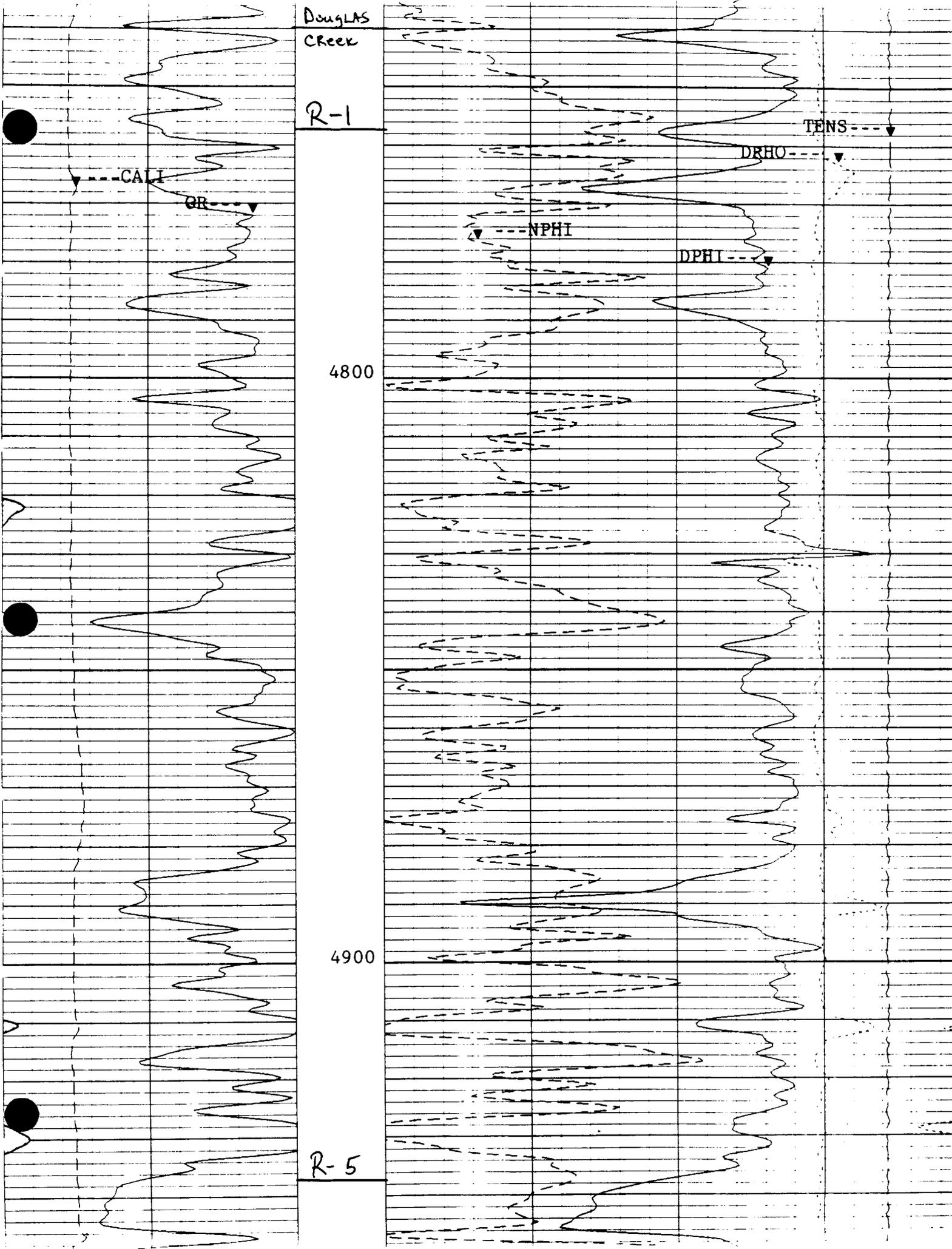
---NPHI

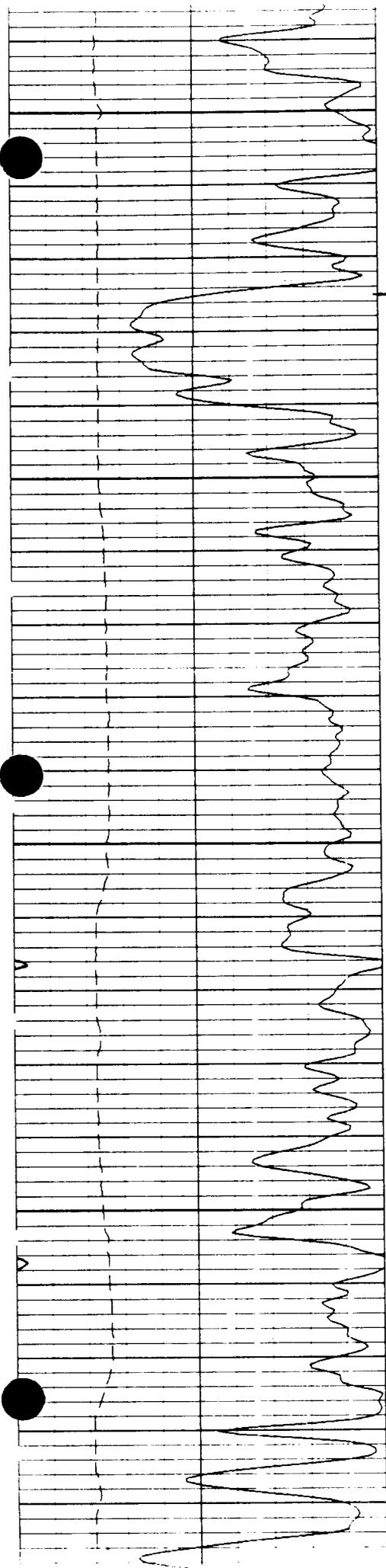
---DPHI

4800

4900

R-5

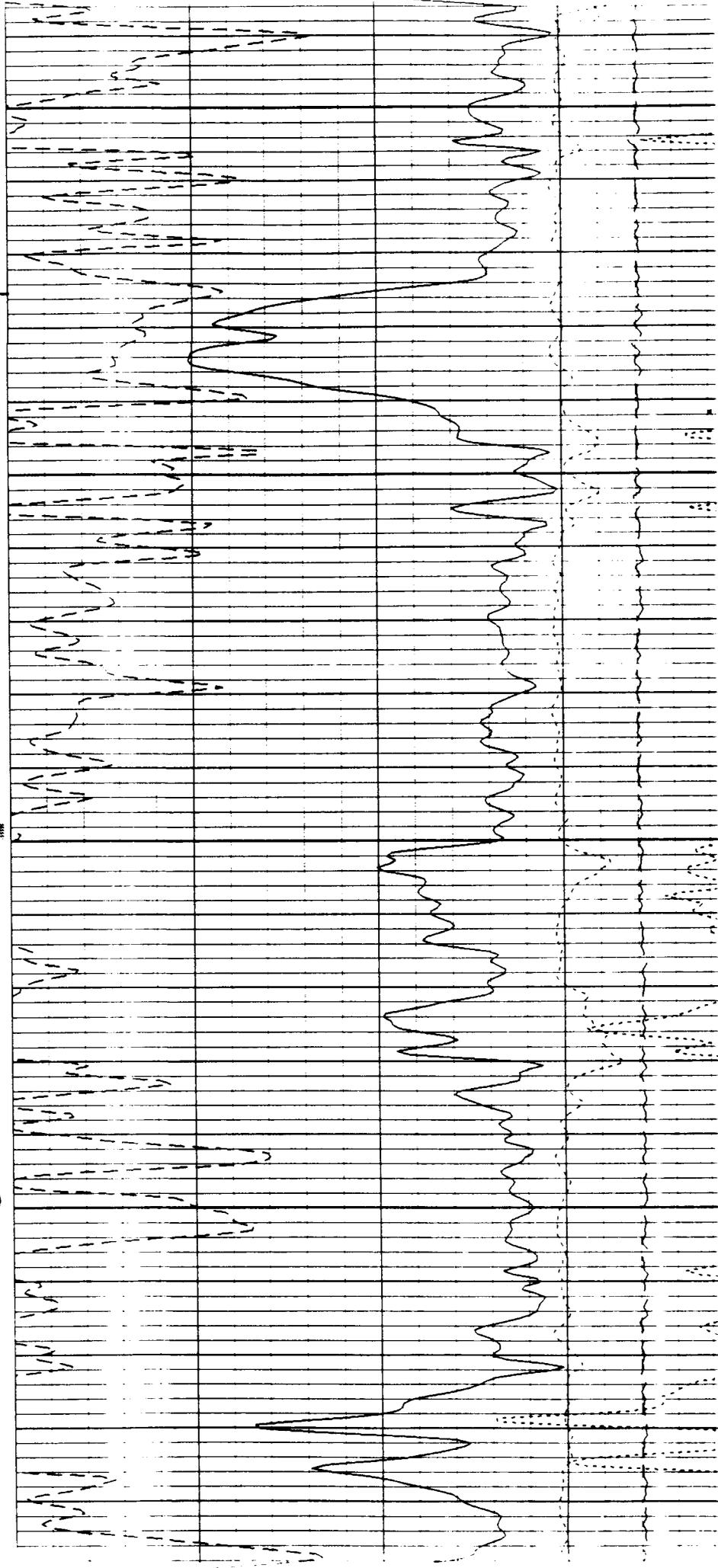




G-5

5300

5400





CLEMENT CONSULTING  
 1907 SLIGO LANE  
 BILLINGS, MONTANA 59106  
 (406) 656-9514

RECEIVED

SEP 13 1994

DIVISION OF  
 OIL, GAS & MINING

COMPANY: BALCRON OIL COMPANY  
 WELL: BALCRON MONUMENT FEDERAL NO. 32-1-J  
 LOCATION: SWNE (2143' FNL & 1987' FEL) SEC. 1 - T9S-R16E  
 DUCHESNE COUNTY, UTAH  
 DEPTH LOGGED: 1500' - 5800' DATE: 26 AUG 94 - 1 SEPT 94  
 KB: 5407' GL: 5397'  
 GEOLOGIST: ROY L. CLEMENT  
 CONTRACTOR: UNION DRILLING RIG NO. 17  
 DRILLING FLUID: AIR/FOAM 0' - 4110'  
 KCL/WATER 4110' - 5800'

Porosity

Oil Show

LOG TOPS

Sample Tops

API = GR

Drill Rate (min/ft)

0 2 3 4 5

1500

50' samples tagged & caught by mud loggers from 1500' - 4100'

Ss lt gy cl f-m gr ang-sub ang p srt fr consol calc cmf mica inbds of Sh

NS

Green River 1600'

1600

Sh lt-m gy gybrn-orngbrn frm biky dol-calc stly

trip to check jets

1/2°

8/27/94

NS

1700

Sh lt brn-orngbrn frm biky dol-calc stly lp fr pyr & tn-crm Dol

WOB 45  
RPM 65  
PP 200

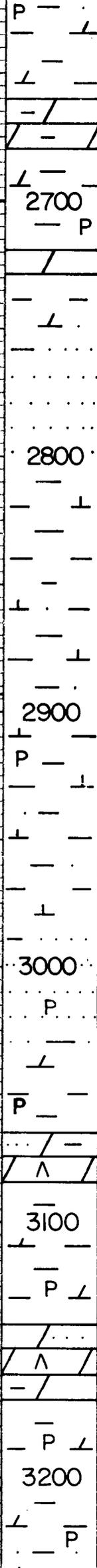
1800

Sh brn-gybrn orngbrn srt-frm biky-pity calc-dol stly pyr fr wh calc xl

1900

Sh orngbrn-gybrn srt-frm biky-pity dol abnt pyr stly lp occ wh-tn calc xl





WOB 45  
RPM 65  
PP 200

8/28/94

Dol in-crm micxt frm -  
sl hd & sil ip dns - sl  
chky arg - shly

Ss lt gy - clr s&p ip  
vf - m gr sub ang p srt  
unconsol - p consol mica  
tr blk asph no flor slo  
yelgn stmg cut

Sh lt - m brn gy - gybrn  
sft plty - sub bkly  
sl calc lam ip petro  
no flor yelgn stmg cut

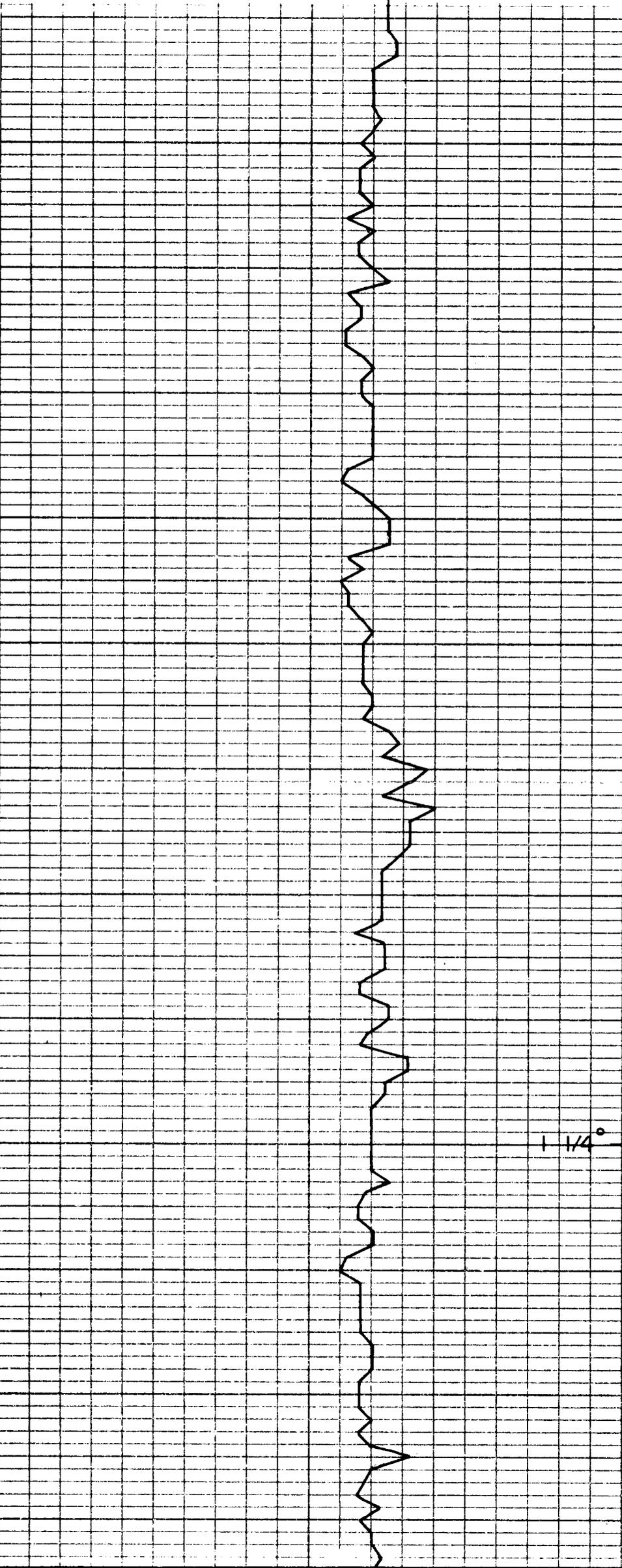
Sh lt gy - gybrn sft -  
frm plty - bkly calc -  
mrly stly - pyr ip

Ss lt gy - wh sub ang -  
ang f - m gr p srt  
p consol - unconsol calc  
cmt ip mica pyr tr blk  
asph dull yel flor slo  
yelgn stmg cut

Dol in-crm buf crp -  
micxt frm sl hd & sil ip  
dns - sl chky arg - aren  
tr pp vug ø tr blk asph  
dull yel flor mod yelgn  
stmg cut

Sh lt - m brn gybrn  
frm bkly - plty dol - mrly  
abnt pyr

RECORDING CHARTS  
CORPORATION  
NEW YORK  
CORPORATION  
NEW YORK  
CORPORATION  
NEW YORK



3300  
Dol crm - buf micxl frm  
dns - chky calc - lmy arg

3400  
Sh lf - m brn gybrn frm  
blky - plty calc fr pyr

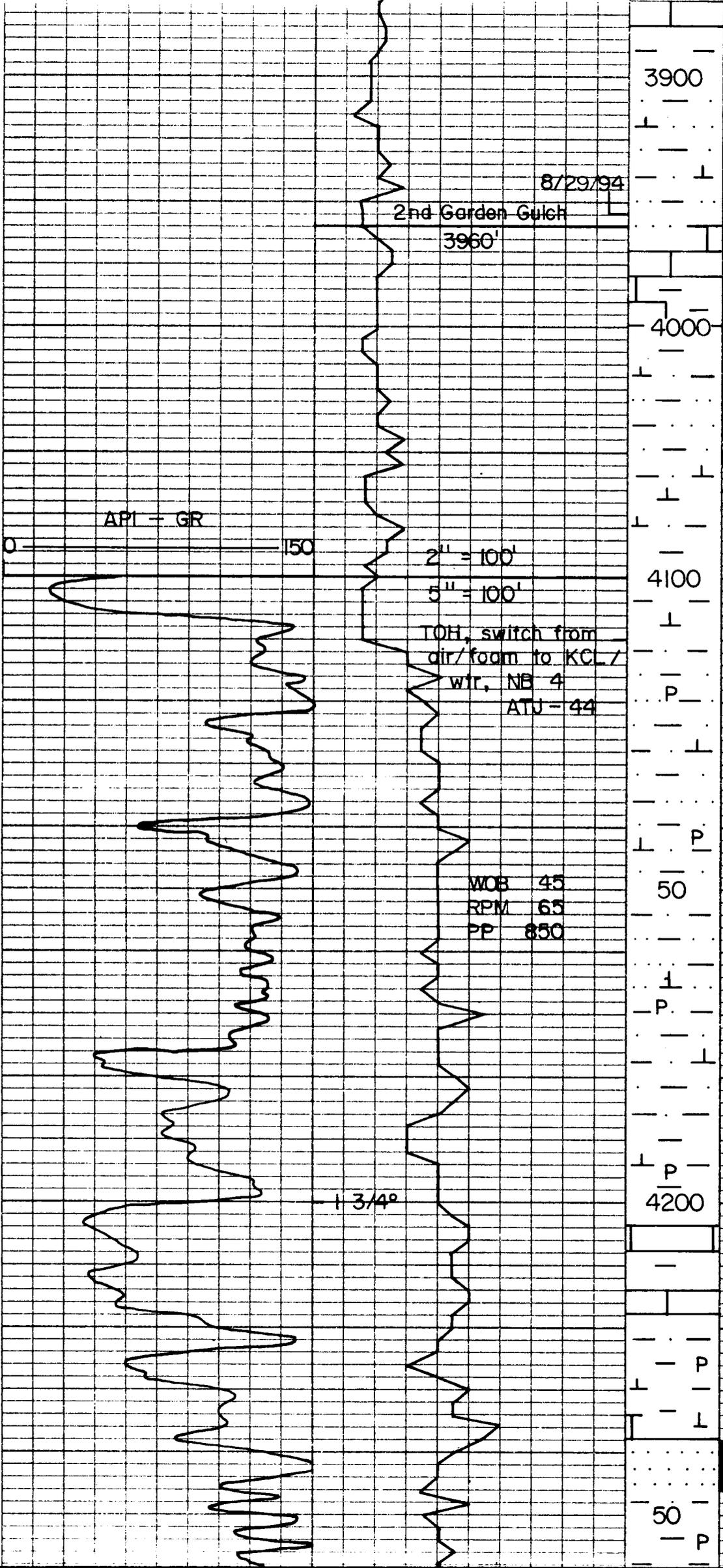
3500  
Sst lf - m gy frm calc  
grdg to vf gr Ss

3600  
Sh lf - m gy brn - gybrn  
frm plty - sub blky calc

3700  
Ss lf gy - gybrn clr  
vf - m gr ang - sub ang  
p srt pred unconsol mica  
fr brn asph no flor  
occ sio yelgn stmg cut  
sity ip

3800  
Ls lf brn crm crpxl  
sft - frm chky - dns arg

1 1/4"



3900

Sstst lt-m gy gygn frm calc grdg to vf gr Ss

8/29/94

2nd Garden Gulch

3960'

Ls crm - buf wh lp crpxl sft chky - dns arg-shly ip

4000

Sstst lt-m gy frm calc grdg to vf gr Ss

API - GR

150

2" = 100'

5" = 100'

4100

Sh brn - gybrn frm plty-biky calc - mrlt

TOH, switch from air/foam to KCL/wtr, NB 4 ATJ-44

Sstst lt-m gy frm calc tr pyr grdg to vf gr Ss lp

WOB 45  
RPM 65  
PP 850

50

Sh lt-m brn gy - gybrn sft - frm plty calc sity tr pyr

4200

3/4°

Ls tn - crm crpxl frm dns - chky arg

Ss lt brn - dr vf-f gr sub arg fr srt p consol st calc mica vp vis ø dk brn uni p stn dull yel-gold flor imm velwh stmg

Y-3 SAND  
4290' (117')

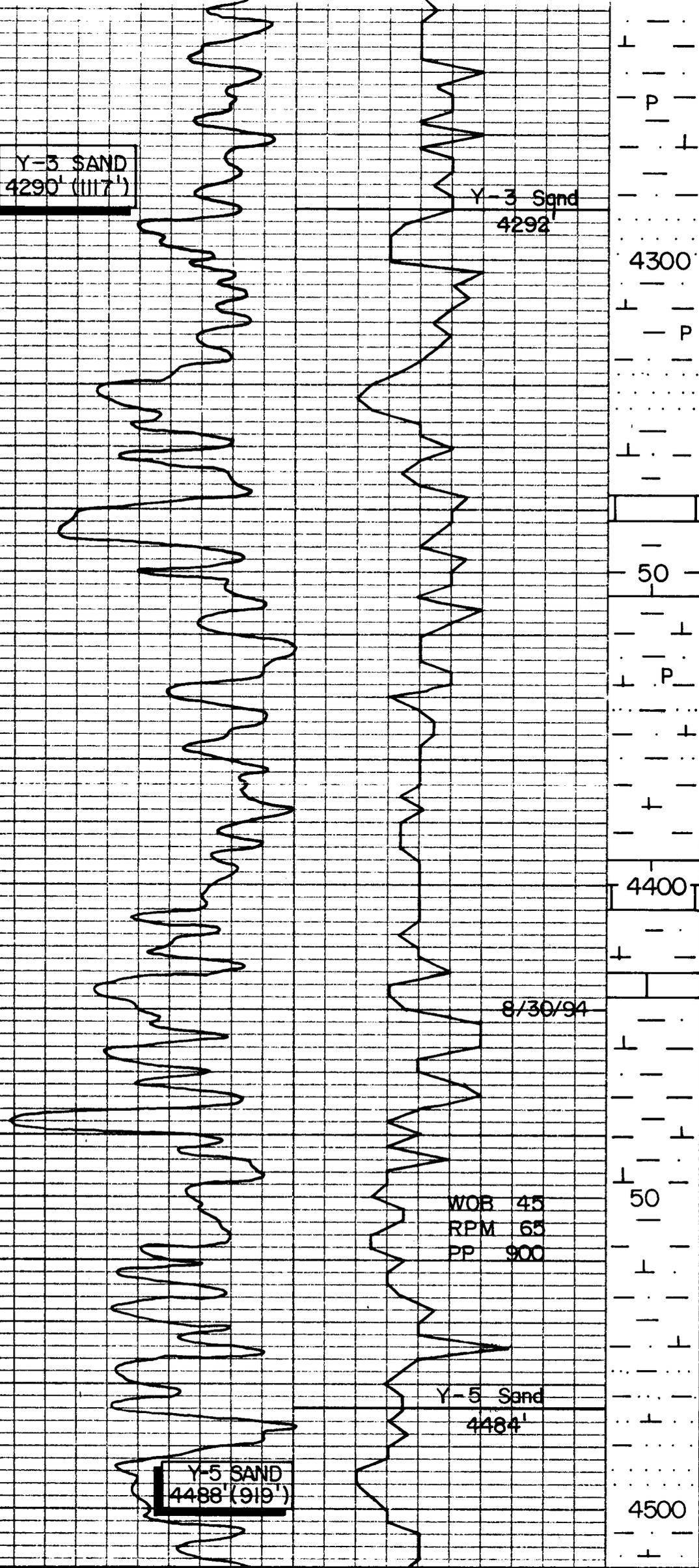
Y-3 Sand  
4292'

8/30/94

WOB 45  
RPM 65  
PP 900

Y-5 Sand  
4484'

Y-5 SAND  
4488' (919')



cut

Sh lt-m gy gygh frm  
biky - pity calc fr pyr  
sity

4300

Ss lt-m brn vf-m gr  
sub ang p srt p consol  
sl calc mica vp vis ø  
dk brn uni o stn dull  
gold - dull yel flor imm  
yelwh string cut

Ss lt brn cir f gr  
sub ang - sub rnd fr srt  
unconsol mica ip lt brn  
sply o stn mod yelgh flor  
imm yelgh string cut

50

Sh lt-m brn gybrn frm  
biky - sub pity calc  
sity ip intbds. of Ls

4400

Sstst lt-m gy frm calc  
pyr grdg to vf gr Ss ip

Sh gy-gybrn brn ip  
sft - frm pity - biky calc  
sity ip occ intbds of  
fn - frm Ls

50

Sh brn - dk brn frm  
biky calc sity ip carb

Sh m - dk brn sft pity  
sl calc carb

Sstst lt gy - gywh frm calc  
grdg to Ss

4500

Ss lt brn - gybrn cir  
f - m gr sub ang - sub rnd  
p srt p consol - unconsol  
lt brn sply o stn & o on  
plt mod yelgh flor imm

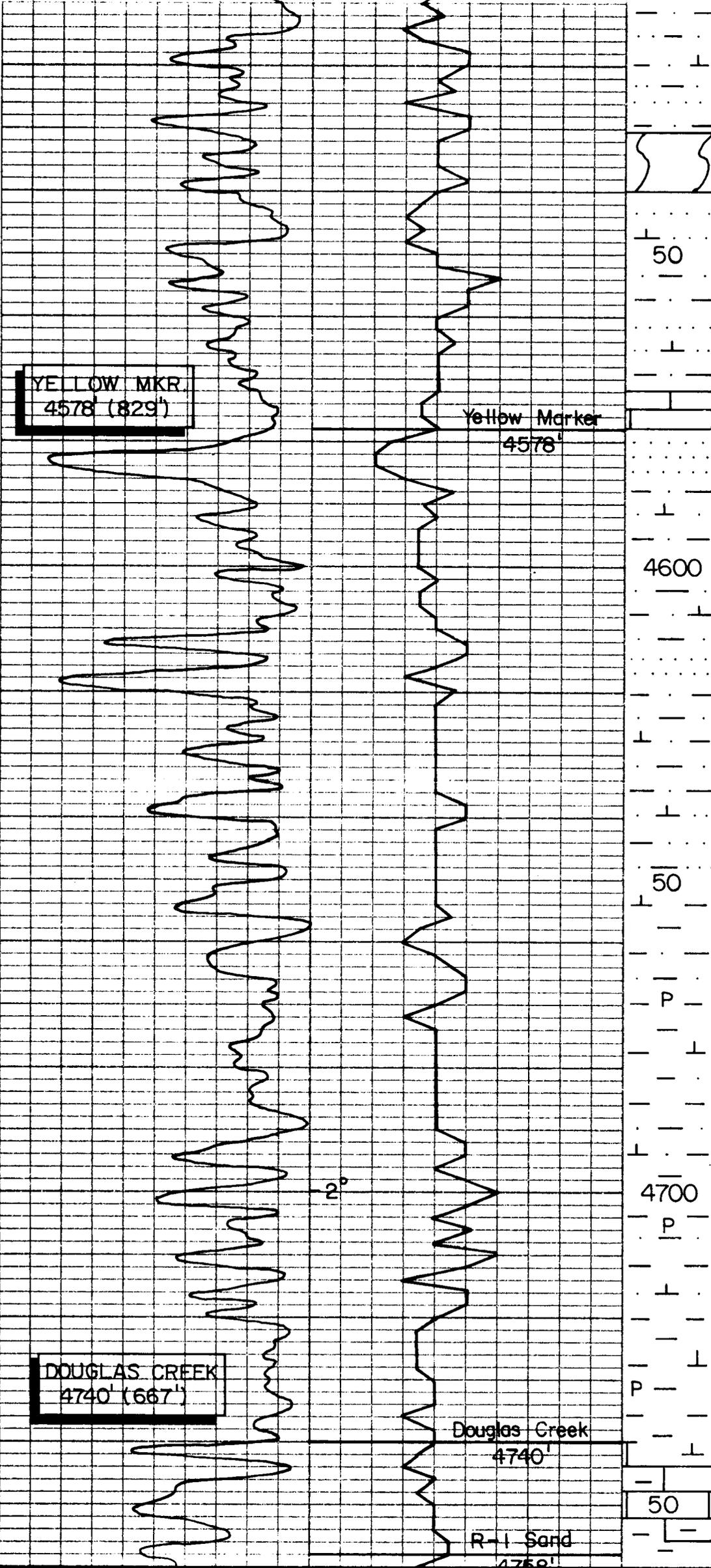
YELLOW MKR.  
4578' (829')

Yellow Marker  
4578'

DOUGLAS CREEK  
4740' (667')

Douglas Creek  
4740'

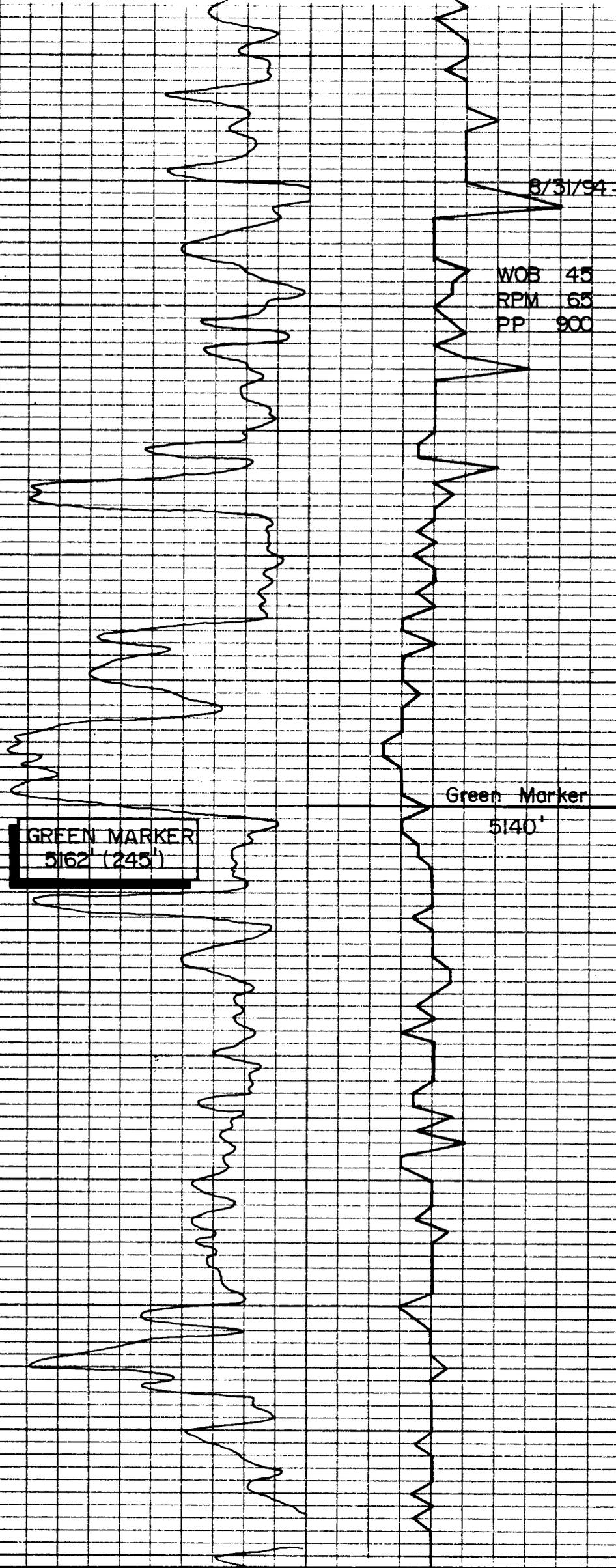
R-I Sand  
4750'



yelgn stmg cut slty ip  
 Sstf lf-m gy frm - sl hd  
 calc grdg to Ss ip  
 NS work on mud pump  
 Ss lf gy - clr vf - f gr  
 sub ang fr srt pred  
 unconsol grdg to Sstf  
 Ls th - crm wh ip crpxl  
 sft chky  
 Ss lf gy - gybrn clr  
 vf - f gr sub ang fr srt  
 pred unconsol fr brn sply  
 p stn no flwr occ slo  
yelwh stmg cut  
 Sstf lf gy - gywh frm -  
 sl hd calc grdg to vf gr  
 Ss ip  
 Sh lf - m gy gybrn ip  
 frm pty - sub blk calc  
 fr pyr slty  
 Sstf lf gy frm calc  
 Ls crm - buf lf brn  
 mixt sft - frm chky -  
 rthy drg - shly



RECORDING SERVICE GRAPHIC CONTROLS CORPORATION NEW YORK



8/31/94

WOB 45  
RPM 65  
PP 900

Green Marker  
5140'

GREEN MARKER  
5162' (245')

50  
5100  
50  
5200  
50

Sh lt-m gy frm pily  
calc slty

Sh m-dk brn sft-frm  
pily calc-mrly tr pyr

Sh lt-m gy gybrn ip  
frm pily calc slty abnt f  
dis pyr

Sh m-dk brn dk gybrn  
blk sft blk-pily sl calc  
no flor occ slo wk yetwh  
dif cut carb-petro

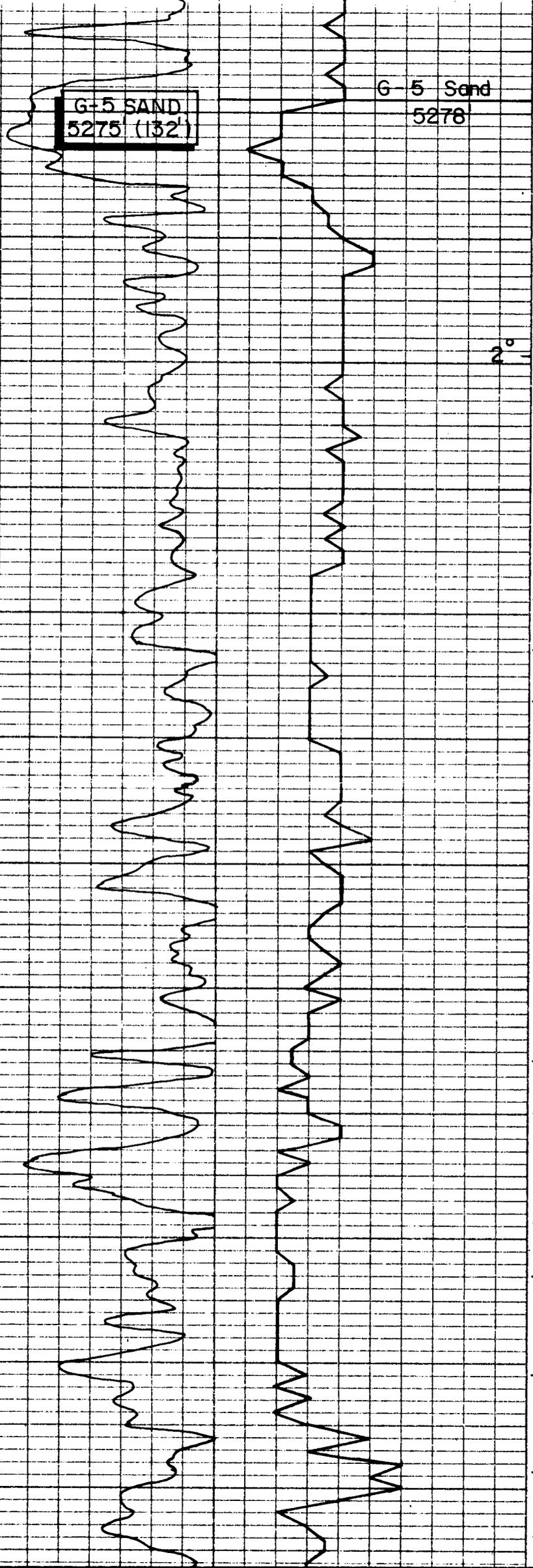
Sh lt-m gy frm pily  
calc slty tr crm-but Ls

Sh gy-gybrn frm pily-  
blk calc sl slty carb ip  
tr f dis pyr

Shst lt-m gy gywh frm  
calc grdg to vt gr Ss ip

Sh lt-m gy frm pily  
calc abnt pyr

RECORDED IN CHARLESTON, SOUTH CAROLINA



G-5 Sand  
5275

G-5 SAND  
5275 (132')

5300

50

5400

50

5500

Ss lt brn clr ip vt -  
f gr sub ang - sub rnd  
fr - w srt unconsol f brn  
o sin thru out & o on pit  
mod - bri velan flar imm  
bri yeign stmg cut

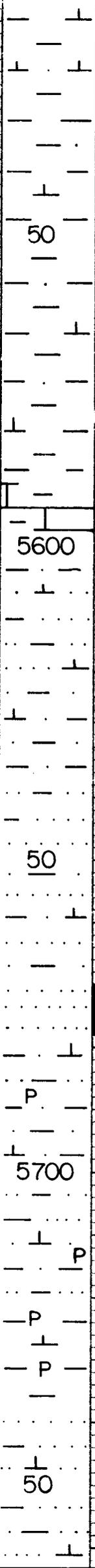
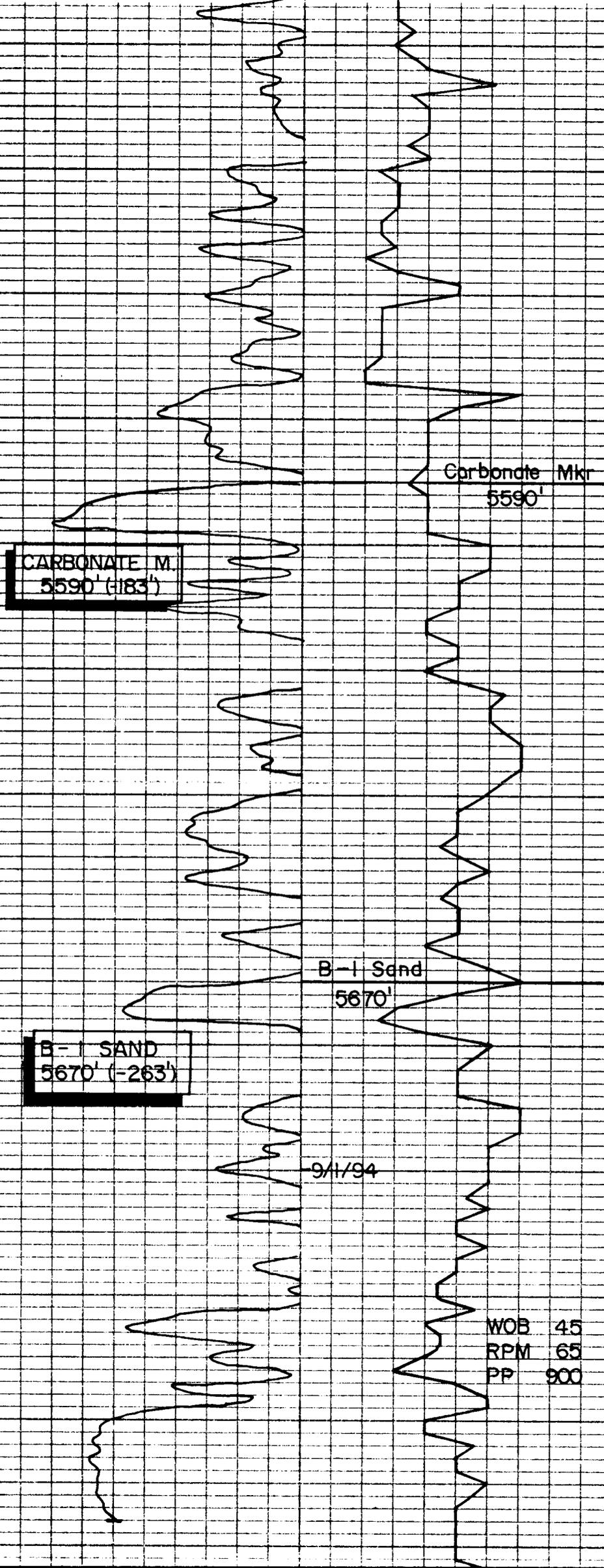
Sh lt - m gy lt gybrn ip  
frm pty - sub bky calc  
sity & grd g to slst ip  
fr pyr

Sh m - dk brn gybrn  
sft pty sl calc abnt f  
dis pyr carb

Sh lt - m gy gybrn ip  
sft - frm pty calc sity  
fr pyr

Sh dk brn - dk gybrn  
blk ip sft pty sl calc  
carb - petr fr f dis pyr  
no flar occ sls wk yetwh  
stmg cut

Sh lt - dk gybrn dk brn  
sft - frm pty - bky calc -  
mrly ip carb sity ip



Sh dk brn - blk dk gybrn  
sft pity - blkyl sl calc  
carb stly lp

Ls crm - lt brn wh lp  
mixt sft chky-rthy arg lp

Sltst lt gy - gywh calc  
grdg to vf gr Ss

Ss lt gy - gywh f-m gr  
sub rnd - sub ang p srt  
p consol - unconsol calc  
cly cmt lp mica stly  
tr blk dd asph stn

Ss clr - lt brn f-m gr  
occ c gr sub rnd - sub  
ang p srt pred unconsol  
mica lt brn spty oil stn  
mod yeigh spty flbr yeigh  
strng cut

Sltst lt gy - gywh frm  
calc pyr grdg to vf  
gr Ss

Sh dk brn - dk gybrn  
sft pity - fis sl calc  
carb abnt f dis pyr

Ss lt gy clr f-m gr  
occ c gr sub rnd -  
sub ang p srt p consol -  
unconsol calc cmt lp  
grdg to Sltst

WOB 45  
RPM 65  
PP 900

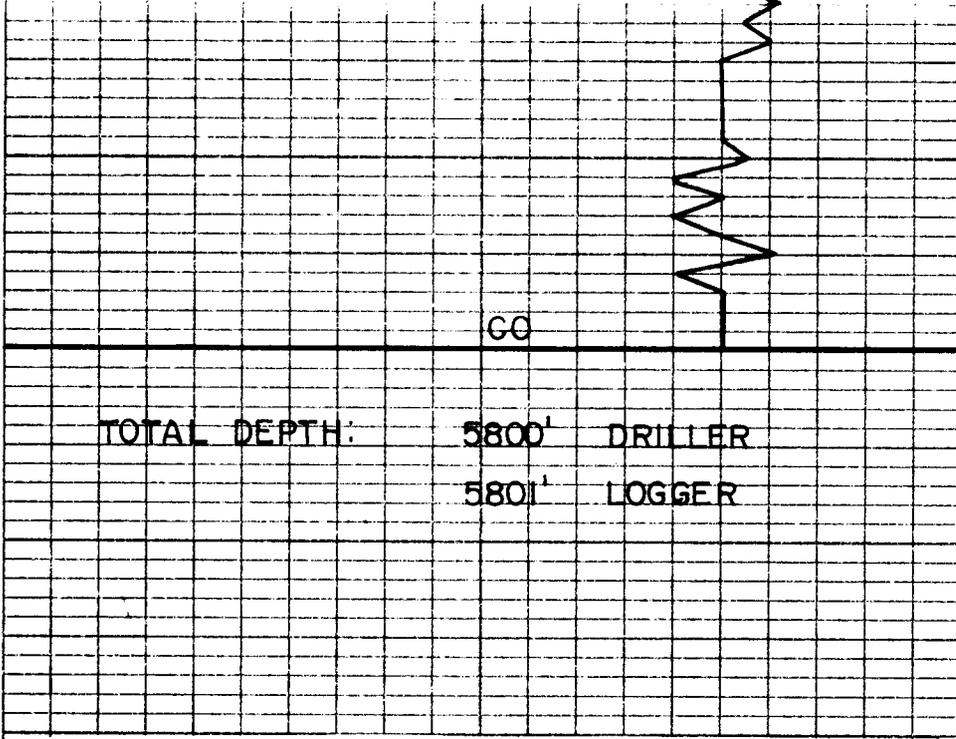
B-I Sand  
5670'

9/1/94

CARBONATE M.  
5590' (-183')

B-I SAND  
5670' (-263')

СТАНДАРТНОЕ ПОЛОЖЕНИЕ



F  
—  
— P  
—  
—  
—  
—  
— P  
—  
—  
5800

Sh gy-gybrn dk brn &  
carb ip sft-fm bkly -  
plty calc slty pyr

TOTAL DEPTH: 5800' DRILLER  
5800' LOGGER

9/1-2/94 RUN E-LOGS & SET  
5 1/2" PROD. CASING

MADE IN U.S.A.

FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993

5. Lease Designation and Serial No.  
U-33992

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Jonah Unit

8. Well Name and No.  
Balcron Monument Federal #32-1J

9. API Well No.  
43-013-31414

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River

11. County or Parish, State  
Duchesne County, Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT --" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: SW NE Section 1, T9S, R16E  
 TD: 2143' FNL & 1987' FEL

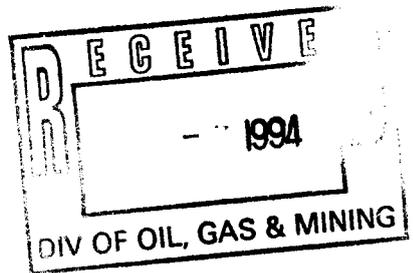
**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Site Security Diagram</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached is the Site Security Diagram for this well.



14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad Title Operations Secretary Date 11-3-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any: \_\_\_\_\_

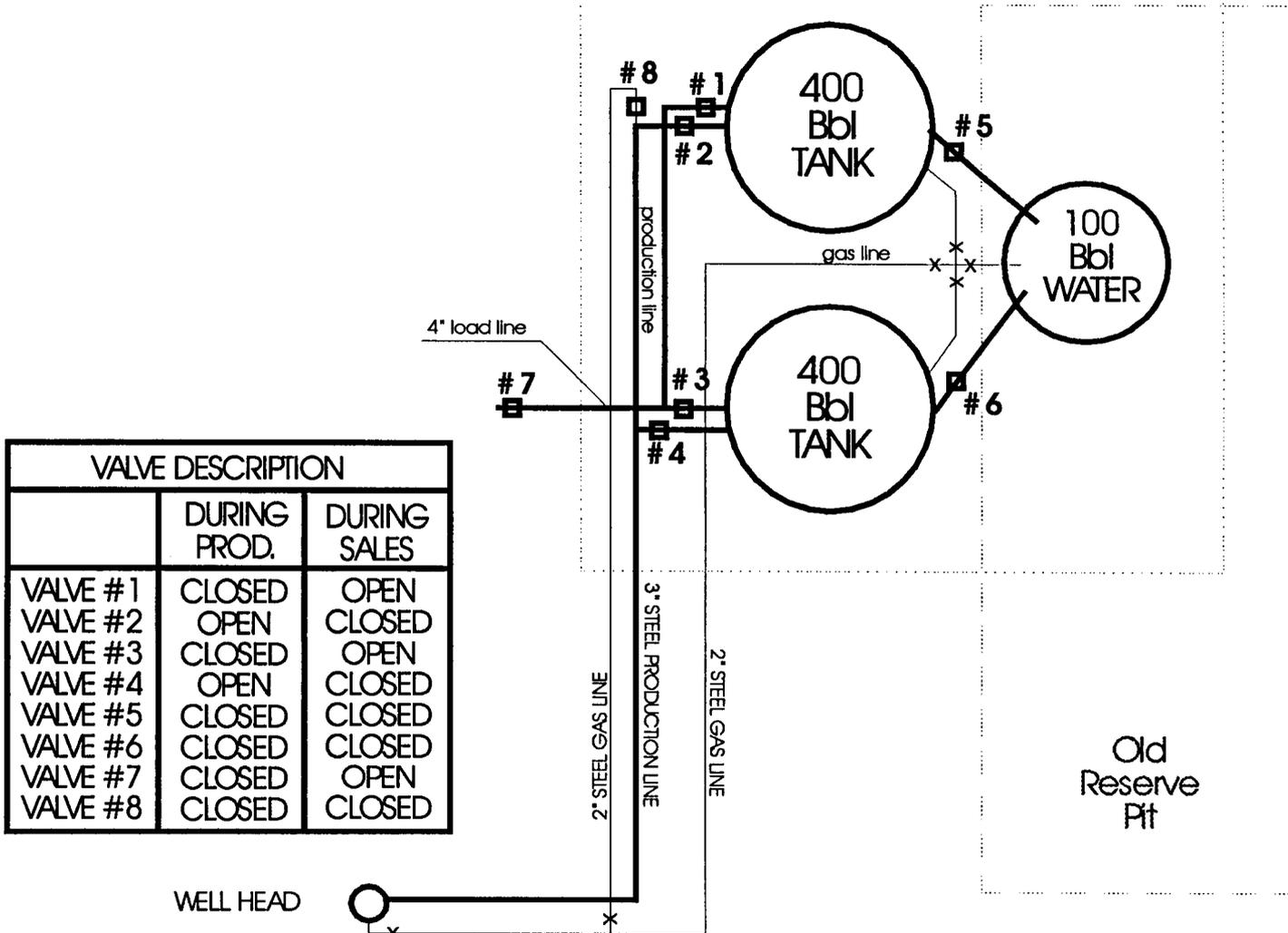
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.  
 \*See instruction on Reverse Side

**Equitable Resources Energy Company  
Balcron Monument Federal 32-1J  
Production Facility Diagram**

Balcron Monument Federal 32-1J  
SWNE Sec. 1, T9S, R16E  
Duchesne County, Utah  
Federal Lease #U-33992  
2143' FNL, 1987' FEL

NORTH  
←

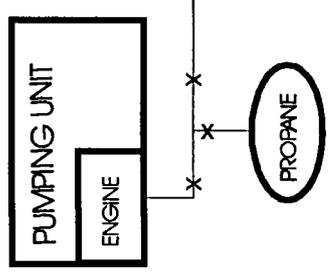
Dike



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN
VALVE #8	CLOSED	CLOSED

Old Reserve Pit

DIAGRAM NOT TO SCALE



ACCESS ROAD  
↑

**EQUITABLE RESOURCES ENERGY COMPANY**  
BALCRON OIL DIVISION  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

**REPORT OF WATER ENCOUNTERED DURING DRILLING**

1. Well name and number: Balcron Monument Federal #32-1J

API number: 43-013-31414

2. Well Location: QQ SW NE Section 1 Township 9S Range 16E County Duchesne

3. Well operator: Equitable Resources Energy Company, Balcron Oil Division

Address: P.O. Box 21017

Billings, MT 59104

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhamon, WY 26201

Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations	

6. Formation tops: See Geological Report submitted separately.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 10-20-94

Name & Signature: Bobbie Schuman, *Bobbie Schuman*

Title: Regulatory and Environmental Specialist



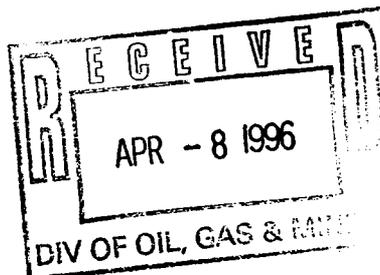
**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

March 22, 1996



Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL  GAS  OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing  
QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list  
State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Operator name change
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.  
Name & Signature: Bobbie Schuman  
Bobbie Schuman

Regulatory and  
Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEP 7-SJ
2	DTS 58-FILE
3	VLD (GIL)
4	RJE
5	JEB
6	FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)                       Designation of Agent  
 Designation of Operator                              **XXX Operator Name Change Only**

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96 )

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

**Well(s)** (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31414</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yes 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

**BOND VERIFICATION (Fee wells only)**

# 5578314 (\$80,000) Schwa Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_ . Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*sent to Ed Bonner - Trust Lands*

**FILMING**

- WSP 1. All attachments to this form have been microfilmed. Date: May 20 1996.

**FILING**

- \_\_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

**COMMENTS**

9/6/04/10 Blm/BIA "Formal approval not necessary"

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
 EQUITABLE RESOURCES ENERGY  
 1601 LEWIS AVE  
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓	MONUMENT FEDERAL 14-5							
4301331385	11492 09S 17E 5		GRRV					
✓	MONUMENT FEDERAL 24-12J							
4301331409	11492 09S 16E 12		GRRV					
✓	BALCRON MONUMENT FEDERAL 31-1J							
4301331413	11492 09S 16E 1		GRRV					
✓	MONUMENT FEDERAL 32-1J							
4301331414	11492 09S 16E 1		GRRV					
✓	BALCRON MONUMENT FEDERAL 33-11J							
4301331451	11492 09S 16E 11		GRRV					
✓	BALCRON MONUMENT FEDERAL 42-12J							
91331486	11492 09S 16E 12		GRRV					
✓	BALCRON MONUMENT FEDERAL 41-12J							
4301331487	11492 09S 16E 12		GRRV					
✓	BALCRON MONUMENT FEDERAL 12-7J							
4301331493	11492 09S 17E 7		GRRV					
✓	FEDERAL 24-3Y							
4301331397	11493 09S 17E 3		GRRV					
✓	FEDERAL 14-4							
4304715678	11500 08S 25E 4		GRRV					
✓	E. RED WASH 1-5							
4304720174	11500 08S 25E 5		GRRV					
✓	E. RED WASH FED 1-12							
4304720207	11500 08S 24E 12		GRRV					
✓	E. RED WASH FED 1-6							
4304720208	11500 08S 25E 6		GRRV					
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_  
 Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

UTAH

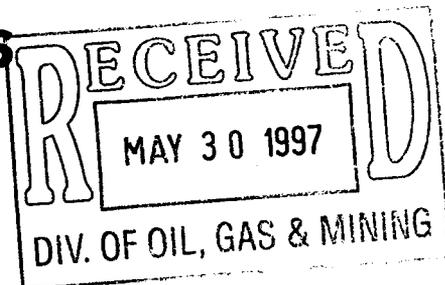
Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 680' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

May 27, 1997

Utah Board Of Oil, Gas, & Mining  
1594 West North Temple  
Suite-1220  
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit  
Beluga Secondary Recovery Unit  
Coyote Basin Secondary Recovery Unit  
Castle Draw (State Section-2) Pilot Waterflood  
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti  
District Production Engineer



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

Telephone (801) 789-4327

## Water Analysis Report

*Jonah Unit*

**Customer :** EREC - Western Oil Company

**Field :** Monument Butte Field

**Address :** 1601 Lewis Avenue

**Lease :** Monument Federal Lease

**City :** Billings

**Location :** Well No. 32-01

**State :** MT      **Postal Code :** 59104-

**Sample Point :** wellhead

**Attention :** John Zellitti

**Date Sampled :** 23-Jan-97

**cc1 :** Dan Farnsworth

**Date Received :** 23-Jan-97

**cc2 :** Joe Ivey

**Date Reported :** 08-Feb-97

**cc3 :**

**Salesman :** Lee Gardiner

**Analyst :** Karen Hawkins Allen

### CATIONS

### ANIONS

<p><b>Calcium :</b>      80    mg/l</p> <p><b>Magnesium :</b>    29    mg/l</p> <p><b>Barium :</b>        0    mg/l</p> <p><b>Strontium :</b>     0    mg/l</p> <p><b>Iron :</b>            1.0   mg/l</p> <p><b>Sodium :</b>        1819   mg/l</p> <p><b>pH (field) :</b>     8.18</p> <p><b>Temperature :</b>    85    degrees F</p> <p><b>Ionic Strength :</b>    0.09</p> <p><b>Resistivity :</b>            ohm/meters</p> <p><b>Ammonia :</b>            ppm</p> <p><b>Comments :</b></p>	<p><b>Chloride:</b>      2,200    mg/l</p> <p><b>Carbonate:</b>        48    mg/l</p> <p><b>Bicarbonate:</b>    1,293    mg/l</p> <p><b>Sulfate:</b>        108    mg/l</p> <p><b>Specific Gravity :</b>    1.005    grams/ml</p> <p><b>Total Dissolved Solids :</b>    5,578    ppm</p> <p><b>CO2 in Water :</b>        1    mg/l</p> <p><b>CO2 in Gas :</b>        0.03    mole %</p> <p><b>H2S in Water :</b>        0.0    mg/l</p> <p><b>O2 in Water :</b>        0.000    ppm</p>
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### SI calculations based on Tomson-Oddo

<b>Calcite (CaCO3) SI :</b>	2.12	<b>Calcite PTB :</b>	69.3
<b>Gypsum (CaSO4) SI :</b>	-2.43	<b>Gypsum PTB :</b>	N/A
<b>Barite (BaSO4) SI :</b>	N/A	<b>Barite PTB :</b>	N/A
<b>Celestite (SrSO4) SI :</b>	N/A	<b>Celestite PTB :</b>	N/A



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

**(406) 259-7860 Telephone**

**(406) 245-1361 Fax**

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

A handwritten signature in cursive script that reads "Molly Conrad".

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: *Lisha*  
*St of Utah.*

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.  
Call if you need anything  
further.*

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
MONUMENT BUTTE #22-5	SEW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
MONUMENT BUTTE #22-12J	SEW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15796-00	UTU096550	UTU72086A
MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #13-11J	NWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15790-00	UTU096547	UTU72086A
MONUMENT BUTTE FED #31-1J	NW NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31413-00	UTU33992	UTU72086A
MONUMENT BUTTE FED #33-11J	NWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31451-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #41-12J	NE NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31487-00	UTU44426	UTU72086A
MONUMENT BUTTE FED #42-11J	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30066-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #42-12J	SENE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31486-00	UTU035521	UTU72086A
MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
MONUMENT BUTTE FED. #14-5	SWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31385-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
MONUMENT BUTTE FED. #23-5	NESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31383-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #24-12J	SESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31409-00	UTU035521A	UTU72086A
MONUMENT BUTTE FED. #32-1J	SWNE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31414-00	UTU33992	UTU72086A
MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
MONUMENT FEDERAL #12-7J	SWNW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31493-00	U-44426	UTU72086A

**OPERATOR CHANGE WORKSHEET**

Routing	
1-IEC ✓	6-MA ✓
2-CEH ✓	7-KAS ✓
3-DTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-IRB ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION COMPANY</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

**WELL(S)** attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31414</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal and Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) \* UIC/Que No Pro 1-14-98 & UIC/DBase 1-14-98.*
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- lec 9. A folder has been set up for the **Operator Change** file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- yc 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (BP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A/yc 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A/yc 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- NA 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- ys 1. All attachments to this form have been **microfilmed**. Today's date: 2.3.98.

**FILING**

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

**COMMENTS**

980114 B7m/S4 Aprv. eff. 1-13-98.

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ 4301331413	BALCRON MONUMENT FEDERAL 31-1J	11492 09S 16E 1	GRRV			1133992	9mch (62) Unit	
✓ 4301331414	MONUMENT FEDERAL 32-1J	11492 09S 16E 1	GRRV			"	↓	
✓ 4301331451	BALCRON MONUMENT FEDERAL 33-11J	11492 09S 16E 11	GRRV			11096550		
✓ 4301331486	BALCRON MONUMENT FEDERAL 42-12J	11492 09S 16E 12	GRRV			11035521		
✓ 4301331487	BALCRON MONUMENT FEDERAL 41-12J	11492 09S 16E 12	GRRV			1144426		
✓ 4301331493	BALCRON MONUMENT FEDERAL 12-7J	11492 09S 17E 7	GRRV			"		
4301331397	FEDERAL 24-3Y	11493 09S 17E 3	GRRV			1164381		
4304715678	FEDERAL 14-4	11500 08S 25E 4	GRRV			1141376		
4304720174	RED WASH 1-5	11500 08S 25E 5	GRRV			11063597		
4304720207	RED WASH FED 1-12	11500 08S 24E 12	GRRV			11038797		
4304720208	RED WASH FED 1-6	11500 08S 25E 6	GRRV			1107439B		
4304720221	COYOTE 1-12	11500 08S 24E 12	GRRV			1158226		
4304720222	RED WASH FED 1-13	11500 08S 24E 13	GRRV			11018073		
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_  
 Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

RECEIVED  
JAN 14 1998  
U.S. DEPARTMENT OF THE INTERIOR

IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A									
JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SENW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SENW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SENW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SENW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENER
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENER
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENER
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENER
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENER
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENER



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

RECEIVED  
OCT 13 1997

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandon \*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**U-33992**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**JONAH**

8. Well Name and No.  
**MONUMENT FEDERAL 32-1J**

9. API Well No.  
**43-013-31414**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**2143 FNL 1987 FEL                      SW/NE Section 1, T09S R16E**

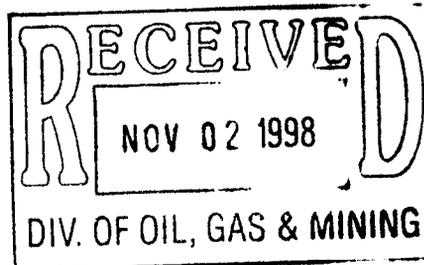
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Site Security</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

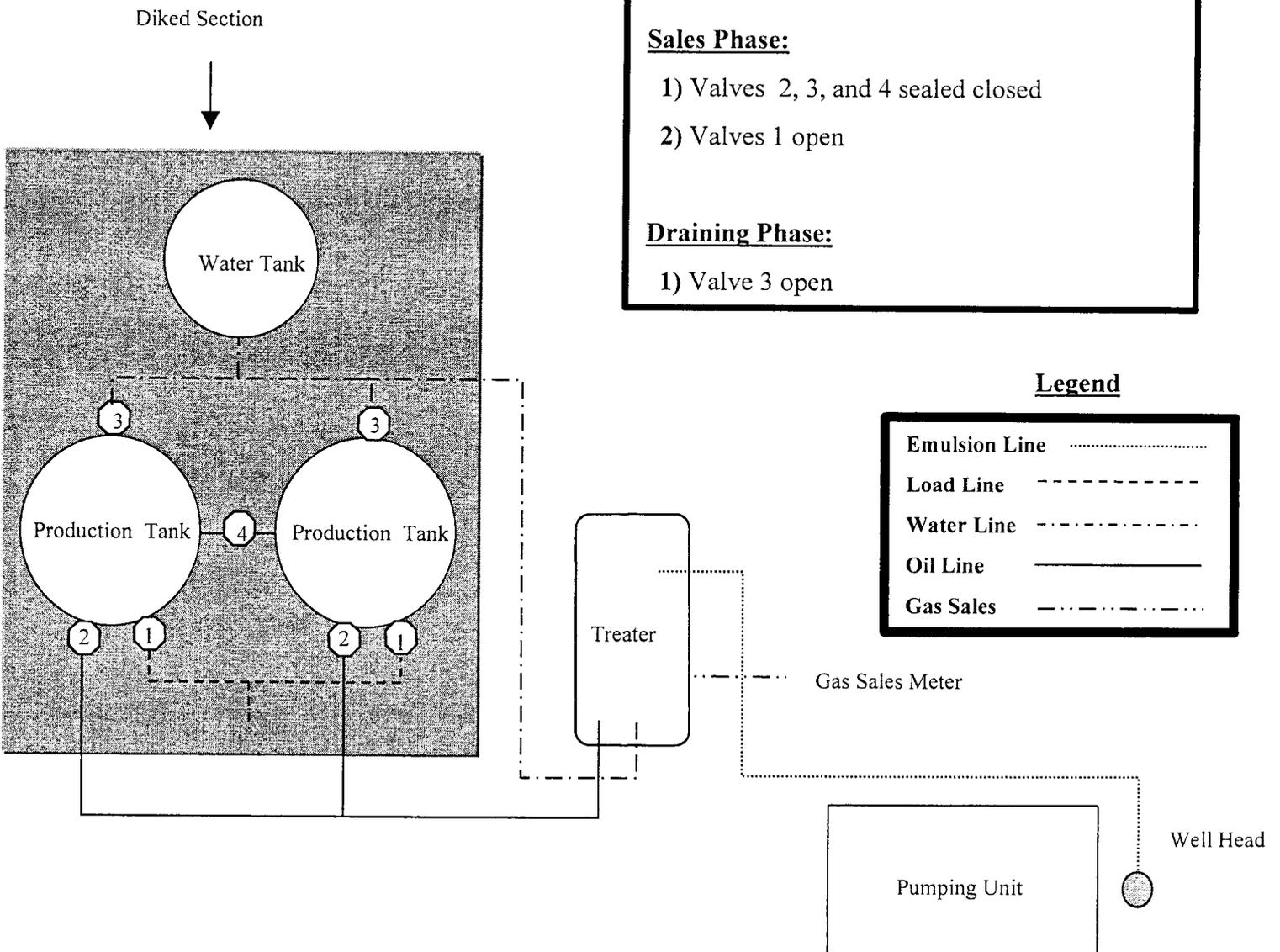
Monument Federal 32-1J

SW/NE Sec. 1, T9S, 16E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2143 FNL 1987 FEL SW/NE Section 1, T9S R16E**

5. Lease Designation and Serial No.

**U-33992**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**MONUMENT FED 32-1J**

9. API Well No.

**43-013-31414**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTA**

12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Subject well had recompletion procedures initiated in the Green River formation on 10/22/02. Existing production equipment was pulled from well. A bit & scraper was ran in well. Two new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: PB10 sds @ 4474'-4483' and 4488'-4501' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 61,000# 20/40 mesh sand in 474 bbls Viking I-25 fluid. Stage #2: GB4 sds @ 4222'-4227' and GB6 sds @ 4290'-4297' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 49,200# 20/40 mesh sand in 399 bbls Viking I-25 fluid. Fracs were flowed back through chokes. Top bridge plug was removed form wellbore & sand cleaned off lower interval. New intervals were swab tested for sand cleanup, then lower bridge plug was removed from wellbore. The same BHA & production tbg were ran and anchored in well W/ tbg anchor @ 5255', pump seating nipple @ 5323' and end of tubing string @5356 '. A repaired rod pump and revised rod string was ran in well. Well returned to production via rod pump on 10/28/02.

14. I hereby certify that the foregoing is true and correct.

Signed

*Gary Dietz*  
Gary Dietz

Title

**Completion Foreman**

Date

**10/29/2002**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

**RECEIVED**  
OCT 31 2002

Conditions of approval, if any:

CC: Utah DOGM

**DIVISION OF**

**OIL, GAS AND MINING**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:		<b>9/1/2004</b>
<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

**CA No. Unit: JONAH (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

- 1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
- 3. Bond information entered in RBDMS on: 2/28/2005
- 4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
- 5. Injection Projects to new operator in RBDMS on: 2/28/2005
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
- 2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

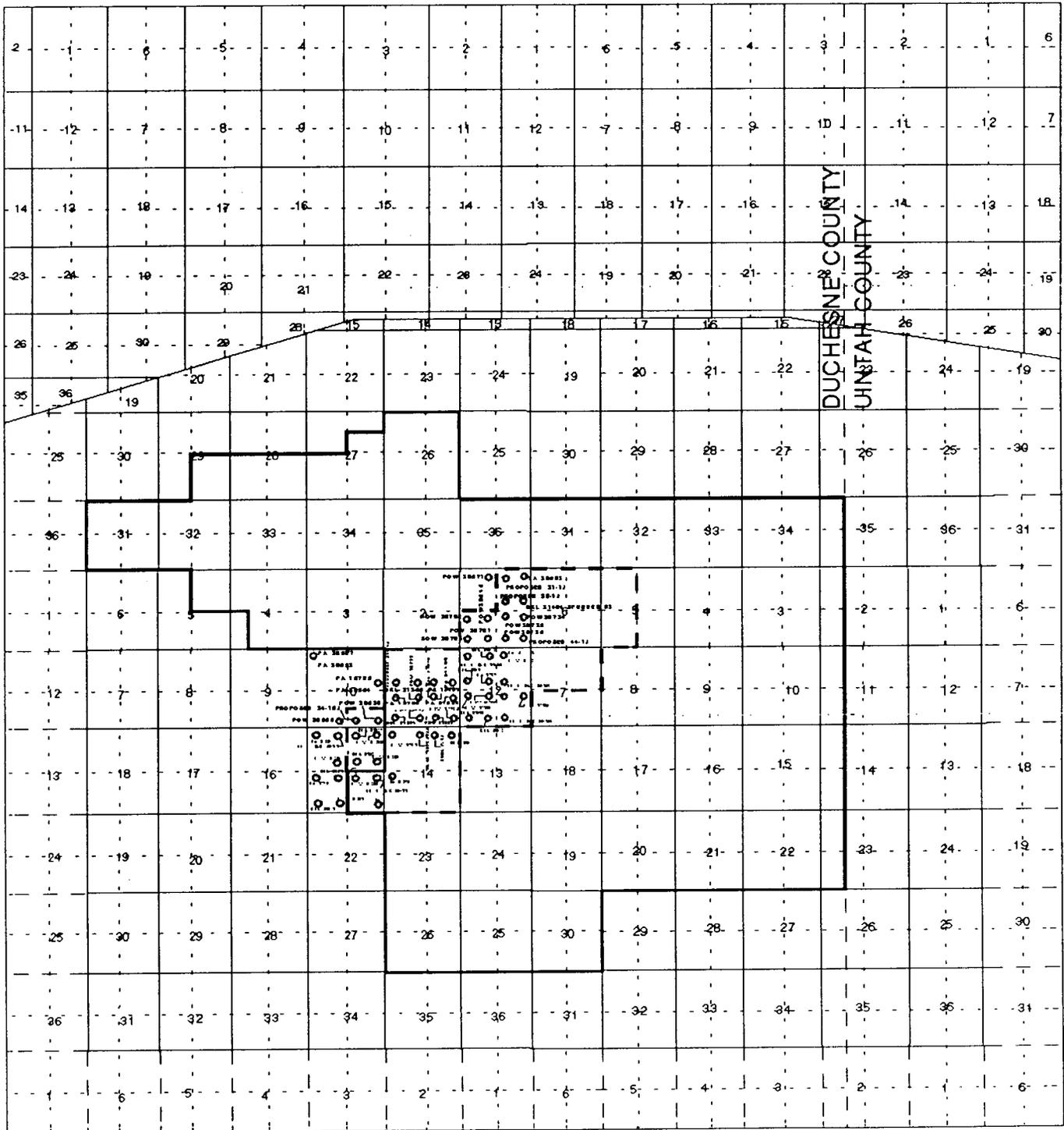
**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

# MONUMENT BUTTE

T 1 W

R 1 E



T 4 S

T 8 S

T 9 S

R 16 E

R 17 E

DUCHESNE COUNTY  
FIELD 105 ACTIVE

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-33992
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 32-1J
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013314140000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2143 FNL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/25/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 04/20/2012. On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test -  
Chris Jensen

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
May 15, 2012**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/1/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 4/25/12 Time 9:00 (am) pm  
Test Conducted by: Riley Bagley  
Others Present: Brendan Curry

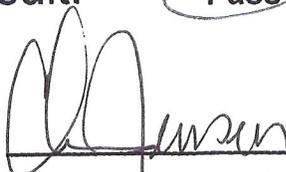
Well: <u>Monument</u> <u>32-1J-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Monument</u> <u>32-1J-9-16</u>	API No: <u>430-13-31714</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u><del>1300</del> 1350</u>	psig
5	<u>1350</u>	psig
10	<u>1350</u>	psig
15	<u>1350</u>	psig
20	<u>1350</u>	psig
25	<u>1350</u>	psig
30 min	<u>1250</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

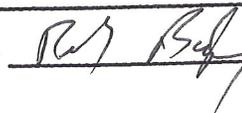
Tubing pressure: 300 psig

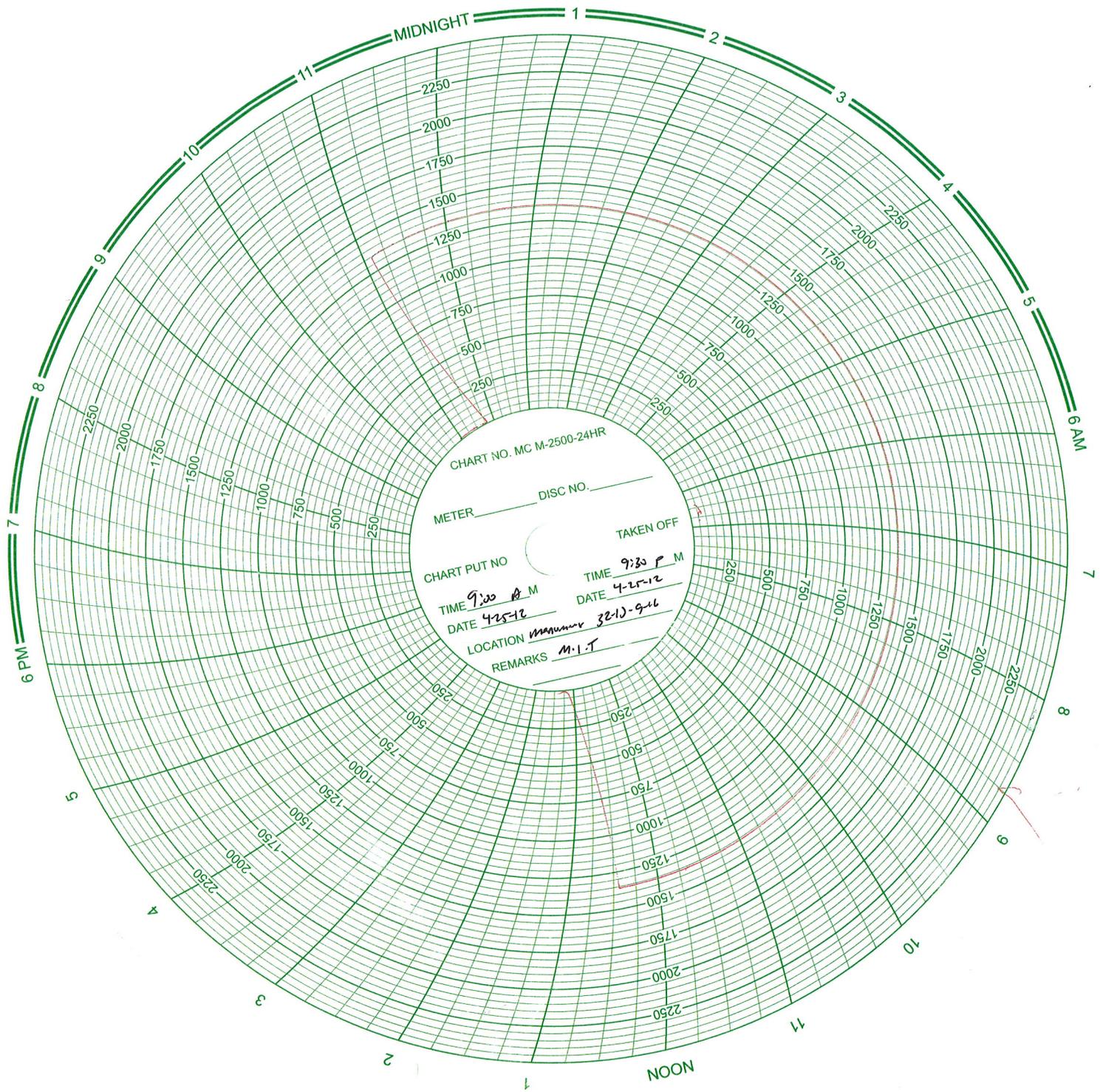
Result: Pass Fail

Signature of Witness:



Signature of Person Conducting Test:





## Daily Activity Report

Format For Sundry

MON 32-1J-9-16

2/1/2012 To 6/30/2012

**4/12/2012 Day: 1**

**Conversion**

NC #2 on 4/12/2012 - MIRUSU, L/D Rods - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$8,145

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**4/13/2012 Day: 2**

**Conversion**

NC #2 on 4/13/2012 - POOH W/- Tbg Breaking & Dopeing Every Collar - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$14,802

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**4/16/2012 Day: 3**

**Conversion**

NC #2 on 4/16/2012 - Kill Well, Finish L/D Extra Tbg, TIH W/- Tbg & Pkr, Pressure Test Tbg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U

Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$20,582

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**4/17/2012 Day: 4**

**Conversion**

NC #2 on 4/17/2012 - Finish Testing Tbg, R/D BOPS, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$67,844

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**4/18/2012 Day: 5**

**Conversion**

NC #2 on 4/18/2012 - Try And Test Csg, No Test, POOH w/- Tbg, Replace Pkr, TIH W/- New Pkr - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completly, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr

Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completely, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completely, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**  
**Daily Cost:** \$0  
**Cumulative Cost:** \$74,741

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**4/19/2012 Day: 6**

**Conversion**

NC #2 on 4/19/2012 - Pressure Test Tbg, Fish Stnd Vlve, R/D BOPS, R/U Injection Tree, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$85,172

**4/20/2012 Day: 7**

**Conversion**

NC #2 on 4/20/2012 - Finish Pressure Testing Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$86,365

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**4/30/2012 Day: 8**

**Conversion**

Rigless on 4/30/2012 - Conduct initial MIT - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$163,685

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**Pertinent Files:** [Go to File List](#)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-33992	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 32-1J	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013314140000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2143 FNL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/18/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Put on Injection"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The above reference well was put on injection at 12:15 PM on 07/18/2012.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 25, 2012</b>			
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician	
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/23/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33992
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052 PHONE NUMBER: 435 646-4825 Ext		8. WELL NAME and NUMBER: MONUMENT FED 32-1J
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2143 FNL 1987 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013314140000
		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/18/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Put on Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 12:15 PM on 07/18/2012.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
July 25, 2012**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 7/23/2012

# Monument Federal 32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (353 65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 133 jts (4162.1')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4172.1' KB  
 PACKER 1 jt / 5-1/2" (3 30') AT 4173.2'  
 TOTAL STRING LENGTH: EOT @ 4179.64'

**FRAC JOB**

9/10/94 5276'-5288' **Frac zone as follows:**  
 17,640# 20/40 sand + 20,540# 16/30 sand in 352 bbls gelled KCl fluid. Treated @ avg press of 2550 psi w/avg rate of 30.7 BPM. ISIP 2250 psi.

9/14/94 4786'-4946' **Frac zone as follows:**  
 26,800# 16/30 sand in 128 bbls gelled KCl fluid. Treated @ avg press of 3000 psi w/avg rate of 29.5 BPM. ISIP 2200 psi.

10/12/00 Tubing leak Update rod and tubing details

10/24/02 4474'-4501' **Frac PB zones as follows:**  
 61,000# 20/40 sand in 474 bbls 1-25 viking fluid. Treated @ avg press of 2200 psi w/avg rate of 26.5 BPM. ISIP 2400 psi. Calc flush: 4474 gal. Actual flush: 4410 gal.

10/24/02 4222'-4297' **Frac GB zones as follows:**  
 49,200# 20/40 sand in 399 bbls 1-25 viking fluid. Treated @ avg press of 2075 psi w/avg rate of 26.5 BPM. ISIP 2180 psi. Calc flush: 4222 gal. Actual flush: 4116 gal.

08/31/05 **Tbg leak**

12/07/05 **Pump Change** Detail Rod and tubing update

03/23/07 **Tubing Leak.** Updated Rod & Tubing Details

12/3/08 **Tubing Leak** Updated rod & tubing Details

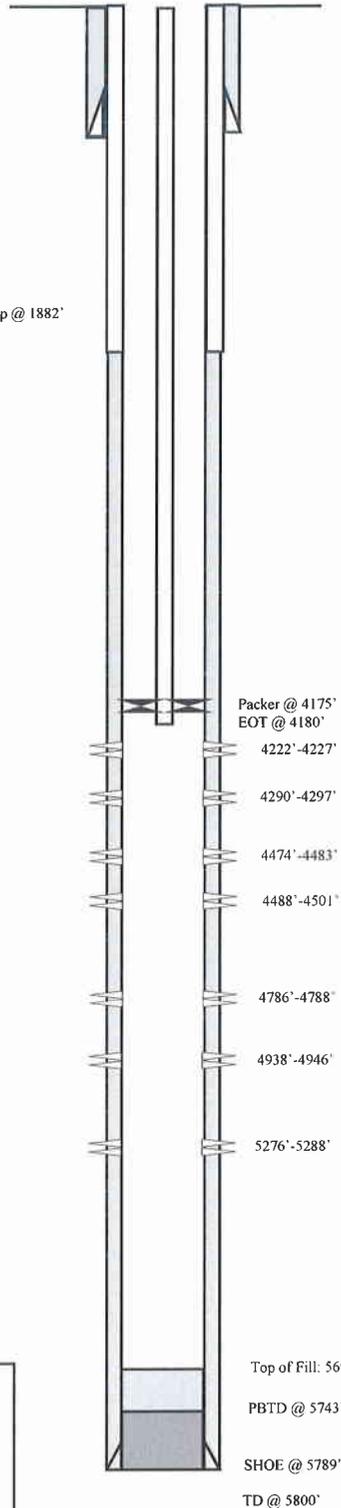
5/10/2010 **Parted Rods.** Update rod and tubing details

04/20/12 **Convert to Injection Well**

04/25/12 **Conversion MIT Finalized** - update the detail

Cement Top @ 1882'

Packer @ 4175'  
 EOT @ 4180'



**PERFORATION RECORD**

Date	Depth Range	Perforation Type	Holes
9/09/94	5276'-5288'	4 JSPF	48 holes
9/13/94	4938'-4946'	4 JSPF	10 holes
9/13/94	4786'-4788'	4 JSPF	3 holes
10/24/02	4488'-4501'	4 JSPF	52 holes
10/24/02	4474'-4483'	4 JSPF	36 holes
10/24/02	4290'-4297'	4 JSPF	28 holes
10/24/02	4222'-4227'	4 JSPF	20 holes

Note: It was discovered on 2/6/03 that the GB-6 zone from 4314-23 was not opened during the last recompletion procedure.

**NEWFIELD**

**Monument Federal 32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

### Cause No. UIC-363

**Operator:** Newfield Production Company  
**Well:** Monument Federal 32-1J-9-16  
**Location:** Section 1, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31414  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 17, 2010.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,066' – 5,800')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: \_\_\_\_\_

  
John Rogers  
Associate Director

7-11-12  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
SITLA  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-33992
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 32-1J
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013314140000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2143 FNL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/25/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 04/20/2012. On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test -

Chris Jensen

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

May 15, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/1/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 4/25/12 Time 9:00 am pm

Test Conducted by: Riley Bayley

Others Present: Brendan Curry

Well: <u>Monument</u> <u>32-1J-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Monument</u> <u>32-1J-9-16</u>	API No: <u>430-13-31714</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u><del>1300</del> 1350</u>	psig
5	<u>1350</u>	psig
10	<u>1350</u>	psig
15	<u>1350</u>	psig
20	<u>1350</u>	psig
25	<u>1350</u>	psig
30 min	<u>1350</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

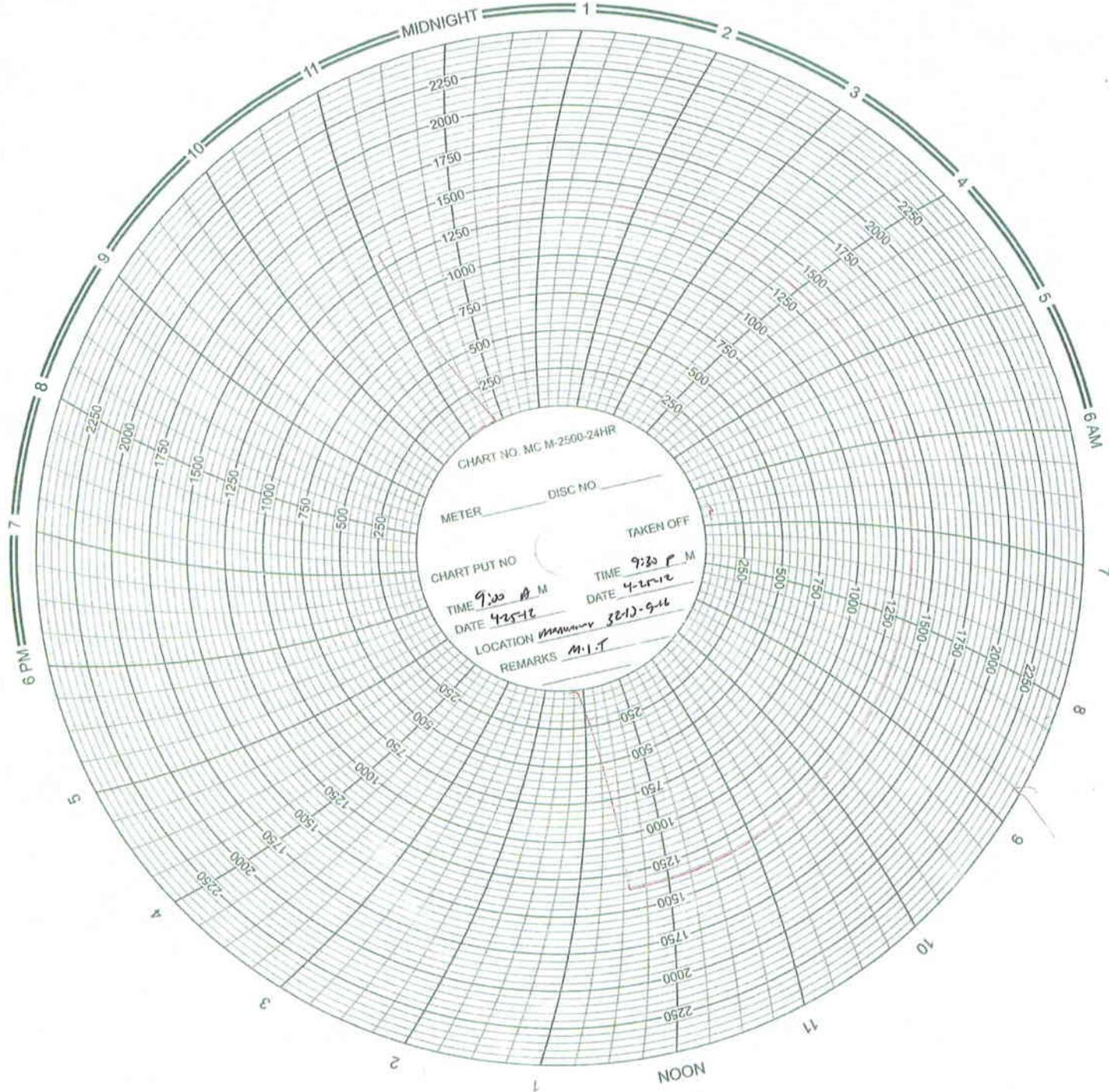
Tubing pressure: 300 psig

Result: Pass Fail

Signature of Witness: [Signature]

Signature of Person Conducting Test: [Signature]

Sundry Number: 25219 API Well Number: 43013314140000



## Daily Activity Report

Format For Sundry

**MON 32-1J-9-16**

**2/1/2012 To 6/30/2012**

**4/12/2012 Day: 1**

**Conversion**

NC #2 on 4/12/2012 - MIRUSU, L/D Rods - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$8,145

**4/13/2012 Day: 2**

**Conversion**

NC #2 on 4/13/2012 - POOH W/- Tbg Breaking & Dopeing Every Collar - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$14,802

**4/16/2012 Day: 3**

**Conversion**

NC #2 on 4/16/2012 - Kill Well, Finish L/D Extra Tbg, TIH W/- Tbg & Pkr, Pressure Test Tbg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U

Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$20,582

#### 4/17/2012 Day: 4

#### Conversion

NC #2 on 4/17/2012 - Finish Testing Tbg, R/D BOPS, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$67,844

#### 4/18/2012 Day: 5

#### Conversion

NC #2 on 4/18/2012 - Try And Test Csg, No Test, POOH w/- Tbg, Replace Pkr, TIH W/- New Pkr - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completly, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr

Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completely, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completely, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$74,741

**4/19/2012 Day: 6**

**Conversion**

NC #2 on 4/19/2012 - Pressure Test Tbg, Fish Stnd Vlve, R/D BOPS, R/U Injection Tree, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$85,172

**4/20/2012 Day: 7**

**Conversion**

NC #2 on 4/20/2012 - Finish Pressure Testing Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$86,365

**4/30/2012 Day: 8**

**Conversion**

Rigless on 4/30/2012 - Conduct initial MIT - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$163,685

**Pertinent Files:** Go to File List



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 17, 2010

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 32-1J-9-16, Section 1, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31414

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

Gil Hunt  
Associate Director

GLH/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
SITLA  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Federal 32-1J-9-16

**Location:** 1/9S/16E      **API:** 43-013-31414

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 352 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,789 feet. A cement bond log demonstrates adequate bond in this well up to 3,260 feet. A 2 7/8 inch tubing with a packer will be set at 4,172 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 8 producing wells, 3 shut-in wells, and 3 injection wells in the area of review (AOR). One of the producing wells is a recently drilled directional well with a surface location inside the AOR and a bottom hole location slightly outside the AOR. In addition, there is currently 1 well being drilled directionally from a surface location outside the AOR to a bottom hole location inside the AOR and 2 currently permitted surface locations outside the AOR from which wells will be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 300 feet. Injection shall be limited to the interval between 4,066 feet and 5,800 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 32-1J-9-16 well is 0.95 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,153 psig. The requested maximum pressure is 2,153 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Monument Federal 32-1J-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date 5/12/2010

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	3/31/2010

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000561251 /
SCHEDULE	
Start 03/30/2010	End 03/30/2010
CUST. REF. NO.	
20100325	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINI	
SIZE	
73 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
TOTAL COST	
250.28	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP SOUTH, RANGE 16 EAST, SECTIONS 1, 3, 11, 12 AND 20, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicatory proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Hawkeye 14-23-8-16 well located in SE/4 SW/4, Section 23, Township 8 South, Range 16 East  
Monument Butte 4-26-8-16 well located in NW/4 NW/4 Section 26, Township 8 South, Range 16 East  
Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 21, Township 8 South, Range 16 East  
Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9 South, Range 16 East  
Monument Butte Federal 32-1J-9-16 well located in SW/4 NE/4 Section 1, Township 9 South, Range 16 East  
South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw Federal 8-3-9-16 well located in SE/4 NE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 4-11-9-16 well located in NW/4 NW/4, Section 1, Township 9 South, Range 16 East  
Jonah Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Range 16 East  
Federal 1-23-9-16 well located in NE/4 NE/4, Section 2, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/Gil Hunt  
Associate Director  
561251

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 03/30/2010 End 03/30/2010

SIGNATURE *[Signature]*

DATE 3/31/2010

VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 381189  
My Commission Expires  
January 12, 2014

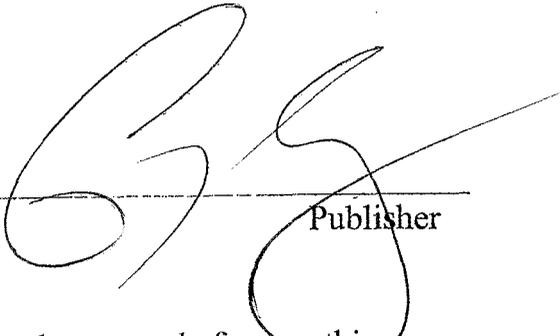
*Virginia Craft*

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

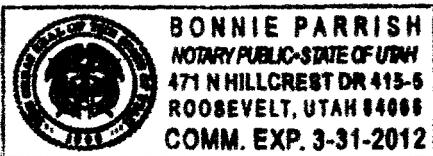
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 30 day of March, 20 10, and that the last publication of such notice was in the issue of such newspaper dated the 30 day of March, 20 10, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Publisher

Subscribed and sworn to before me this  
30 day of March, 20 10  
Bonnie Parrish

Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-363

BEFORE THE DIVISION OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Hawkeye 14-23-8-16 well located in SE/4 SW/4, Section 23, Township 8 South, Range 16 East

Monument Butte 4-26-8-16 well located in NW/4 NW/4, Section 26, Township 8 South, Range 16 East  
Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 26, Township 8 South, Range 16 East

Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4,

Section 1, Township 9 South, Range 16 East

Monument Federal 32-11-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East

South Well Draw Federal 2-5-9-16 well located in NW/4 NE/4, Section 1, Township 9 South, Range

Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

*/s/*  
Gil Hunt  
Associate Director  
Published in the Uintah Basin Standard March 30, 2010

and sworn to before me this  
of March, 20 10  
Bonnie Parrish

Notary Public

**BONNIE PARRISH**  
NOTARY PUBLIC-STATE OF UTAH  
471 N HILLCREST DR 415-S  
ROOSEVELT, UTAH 84068  
COMM. EXP. 3-31-2012

Greater Monument  
Butte Unit:

Hawkeye 14-23-8-16  
well located in SE/4  
SW/4, Section 23, Town-  
ship 8 South, Range 16  
East

Monument Butte 4-  
26-8-16 well located in  
NW/4 NW/4, Section 26,  
Township 8 South, Range  
16 East Monument Butte  
Federal 10-26-8-16 well  
located in NW/4 SE/4,  
Section 26, Township 8  
South, Range 16 East

Monument Butte  
Federal 1-14-9-16 well  
located in SW/4 SW/4,  
Section 1, Township 9  
South, Range 16 East

Monument Federal  
32-11-9-16 well located  
in SW/4 NE/4, Section 1,  
Township 9 South, Range  
16 East

South Wells Draw Fed-  
Township 9 South, Range  
16 East

South Wells Draw Fed-  
eral 8-3-9-16 well located  
in SE/4 NE/4, Section 3,  
Township 9 South, Range  
16 East Jonah Federal 4-  
11-9-16 well located in  
NW/4 NW/4, Section 11,  
Township 9 South, Range  
16 East

Jonah Unit 4-12-9-16  
well located in NW/4  
NW/4, Section 12, Town-  
ship 9 South, Range 16  
East

Federal 1-23-9-16 well  
located in NE/4 NE/4,  
Section 23, Township 9  
South, Range 16 East

The proceeding will  
be conducted in accord-  
ance with Utah Admin.  
R649-10, Administrative  
Procedures.

Selected zones in the  
Green River Formation  
will be used for water  
injection. The maximum  
requested injection pres-  
sures and rates will be  
determined based on frac-  
ture gradient information  
submitted by Newfield  
Production Company.

Any person desiring to  
object to the application  
or otherwise intervene in  
the proceeding, must file a  
written protest or notice of  
intervention with the Di-  
vision within fifteen days  
following publication of  
this notice. The Division's  
Presiding Officer for the  
proceeding is Gil Hunt,  
Associate Director, at P.O.  
Box 145801, Salt Lake  
City, UT 84114-5801,  
phone number (801) 538-  
5340. If such a protest, or  
notice of intervention is  
received, a hearing will be  
scheduled in accordance  
with the aforementioned  
administrative procedural  
rules. Protestants and/or  
interveners should be  
prepared to demonstrate

Dated this 25th day of  
March, 2010.  
STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING  
/s/  
Gil Hunt  
Associate Director  
Published in the Uintah  
Basin Standard March 30,  
2010.

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Jonah Federal 4-11-9-16 well located in NW/4 NW/4, Section 11, Township 9 South, Range 16 East  
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Federal 1-23-9-16 well located in NE/4 NE/4, Section 23, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
Gil Hunt  
Associate Director

**Newfield Production Company**

**HAWKEYE 14-23-8-16, MONUMENT BUTTE 4-26-8-16, MONUMENT BUTTE FEDERAL 10-26-8-16,  
MONUMENT BUTTE FEDERAL 1-14-9-16, MONUMENT FEDERAL 32-1J-9-16, SOUTH WELLS  
DRAW FEDERAL 2-3-9-16, SOUTH WELLS DRAW FEDERAL 8-3-9-16, JONAH FEDERAL 4-11-9-16,  
JONAH UNIT 4-12-9-16, FEDERAL 1-23-9-16.**

**Cause No. UIC-363**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

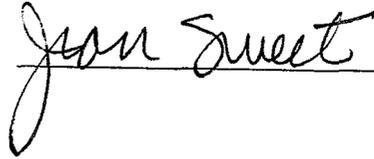
Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102-2818

  
\_\_\_\_\_

**From:** Bonnie <bonnie@ubstandard.com>  
**To:** <jsweet@utah.gov>  
**Date:** 3/26/2010 11:33 AM  
**Subject:** UIC 363

Jean,  
Notice of Agency Action UIC 363 will publish on March 30th.  
Thank you,

--

Bonnie Parrish  
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
(435) 722-5131  
(435) 722-4140 Fax  
bonnie@ubstandard.com



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 25, 2010

Via e-mail: [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-363

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Order Confirmation for Ad #000561251-01**

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO: SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>Email</b>	dianeholland@utah.gov	Jean Sweet	jvaldez

<b>Total Amount</b>	<b>\$250.28</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$250.28</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
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<b>Payment Method</b>		<b>PO Number</b>	20100325	

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<b>Product</b>	<b>Placement</b>
Salt Lake Tribune::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b>	03/30/2010
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Deseret News::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b>	03/30/2010
<b>Product</b>	<b>Placement</b>
sltrib.com::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b>	03/30/2010
<b>Product</b>	<b>Placement</b>
utahlegals.com::	utahlegals.com
<b>Scheduled Date(s):</b>	03/30/2010

**Ad Content Proof Actual Size**

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 DEPARTMENT OF NATURAL RESOURCES  
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Dated this 25th day of March, 2010.

STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/Gil Hunt  
 Associate Director  
 561251

UPAXLP

**From:** "Valdez-Carruther, Justina" <jvaldez@mediaoneutah.com>  
**To:** <JSWEET@utah.gov>  
**Date:** 3/26/2010 12:05 PM  
**Subject:** 20100325  
**Attachments:** OrderConf.pdf

MAR 30



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 25, 2010

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-363

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



March 4, 2010

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Monument Federal #32-1J-9-16  
Monument Butte Field, Lease #UTU-33992  
Section 1-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Federal #32-1J-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long, sweeping underline.

Eric Sundberg  
Regulatory Analyst

RECEIVED  
MAR 11 2010  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT FEDERAL #32-1J-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**

**LEASE #UTU-33992**

**March 4, 2010**

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# Monument Federal #32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (353.65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL

### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5225.43')  
 TUBING ANCHOR: 5235.43'  
 NO. OF JOINTS: 2 jts (66.20")  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5304.43' KB  
 NO. OF JOINTS: 1 jts (33.07')  
 TOTAL STRING LENGTH EOT @ 5339.05'

### FRAC JOB

9/10/94	5276'-5288'	<b>Frac zone as follows:</b> 17,640# 20/40 sand + 20,540# 16/30 sand in 352 bbls gelled KCl fluid. Treated @ avg press of 2550 psi w/avg rate of 30.7 BPM. ISIP 2250 psi.
9/14/94	4786'-4946'	<b>Frac zone as follows:</b> 26,800# 16/30 sand in 128 bbls gelled KCl fluid. Treated @ avg press of 3000 psi w/avg rate of 29.5 BPM. ISIP 2200 psi.
10/12/00		Tubing leak. Update rod and tubing details.
10/24/02	4474'-4501'	<b>Frac PB zones as follows:</b> 61,000# 20/40 sand in 474 bbls 1-25 viking fluid. Treated @ avg press of 2200 psi w/avg rate of 26.5 BPM. ISIP 2400 psi. Calc flush: 4474 gal. Actual flush: 4410 gal.
10/24/02	4222'-4297'	<b>Frac GB zones as follows:</b> 49,200# 20/40 sand in 399 bbls 1-25 viking fluid. Treated @ avg press of 2075 psi w/avg rate of 26.5 BPM. ISIP 2180 psi. Calc flush: 4222 gal. Actual flush: 4116 gal.
08/31/05		Tbg leak
12/07/05		Pump Change. Detail Rod and tubing update.
03/23/07	Tubing Leak	Updated Rod & Tubing Details
12/3/08		Tubing Leak. Updated rod & tubing Details.

Cement Top @ 1882'

Packer @ 4172'

4222'-4227'

4290'-4297'

4474'-4483'

4488'-4501'

4786'-4788'

4938'-4946'

5276'-5288'

Top of Fill: 5690'

PBTD @ 5743'

SHOE @ 5789'

TD @ 5800'

### PERFORATION RECORD

9/09/94	5276'-5288'	4 JSPF	48 holes
9/13/94	4938'-4946'	4 JSPF	10 holes
9/13/94	4786'-4788'	4 JSPF	3 holes
10/24/02	4488'-4501'	4 JSPF	52 holes
10/24/02	4474'-4483'	4 JSPF	36 holes
10/24/02	4290'-4297'	4 JSPF	28 holes
10/24/02	4222'-4227'	4 JSPF	20 holes

Note: It was discovered on 2/6/03 that the GB-6 zone from 4314-23 was not opened during the last recompletion procedure.



**Monument Federal #32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Federal #32-1J-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Monument Federal #32-1J-9-16 well, the proposed injection zone is from Garden Gulch to TD (4066' - 5800'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3741' and the TD is at 5800'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Federal #32-1J-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-33992) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
  
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 352' KB, and 5-1/2", 15.5# casing run from surface to 5789' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2153 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Federal #32-1J-9-16, for existing perforations (4222' - 5288') calculates at 0.95 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2153 psig. We may add additional perforations between 3741' and 5800'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Federal #32-1J-9-16, the proposed injection zone (4066 - 5800') is in the Garden Gulch to Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-14.

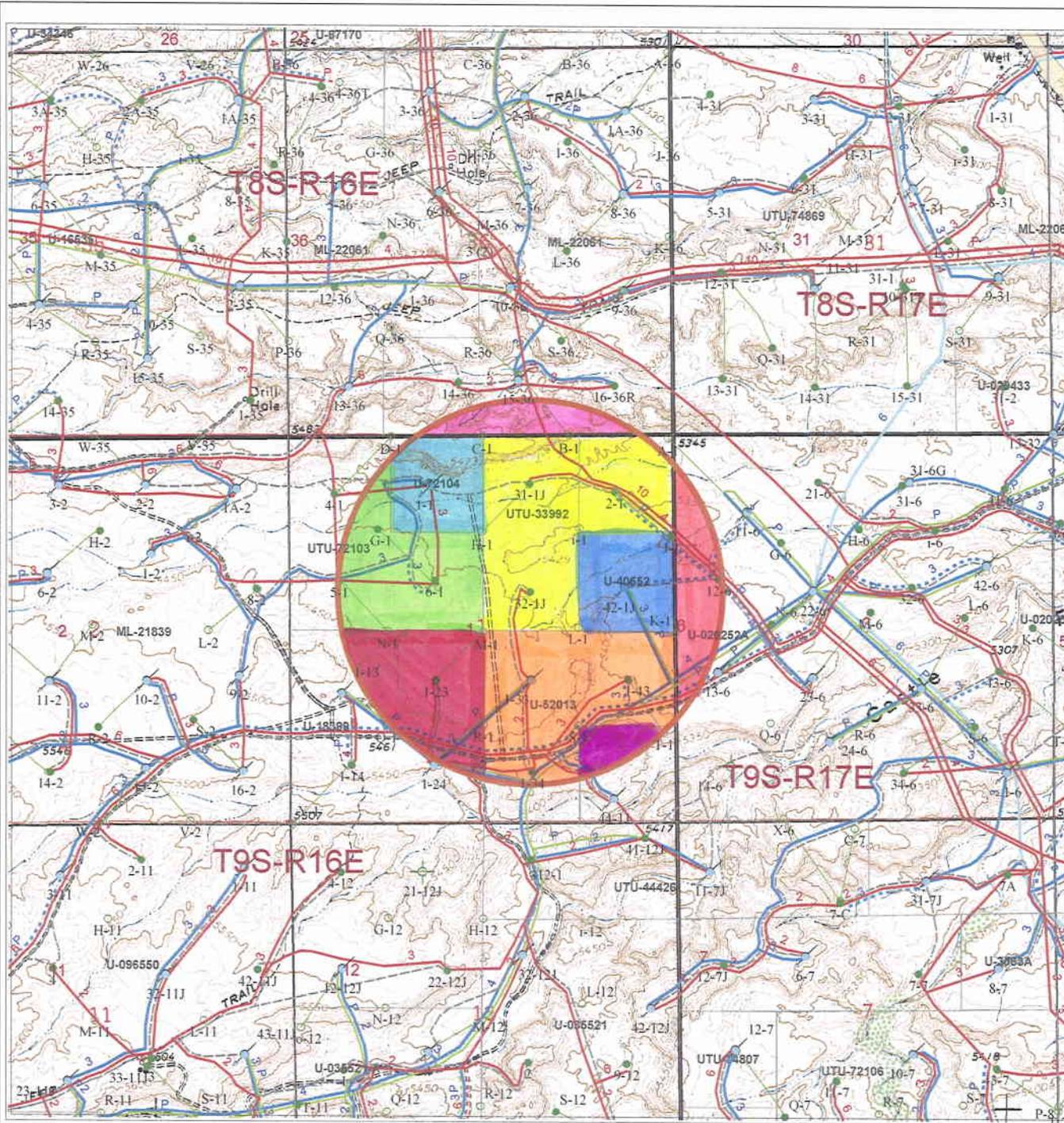
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



- Well Status**
- Location
  - ⊕ CTI
  - ⊕ Surface Spud
  - ⊕ Drilling
  - ⊕ Waiting on Completion
  - Producing Oil Well
  - ⊕ Producing Gas Well
  - ⊕ Water Injection Well
  - ⊕ Dry Hole
  - ⊕ Temporarily Abandoned
  - ⊕ Plugged & Abandoned
  - ⊕ Shut In
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
- Leases**
- Leases
  - Mining tracts
- Gas Pipelines**
- Gathering lines
  - Proposed lines
  - ⊕ 32-1J-9-16 1/2mile radius

- UTU-33992
- ML-22001
- U-72104
- UTU-72103
- U-18399
- U-52013
- UTU-44420
- U-40052
- U-02052A

# Attachment A

Monument Fed 32-1J  
Section 1, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS 1" = 2000'

1/2 Mile Radius Map  
Duchesne & Uintah Counties

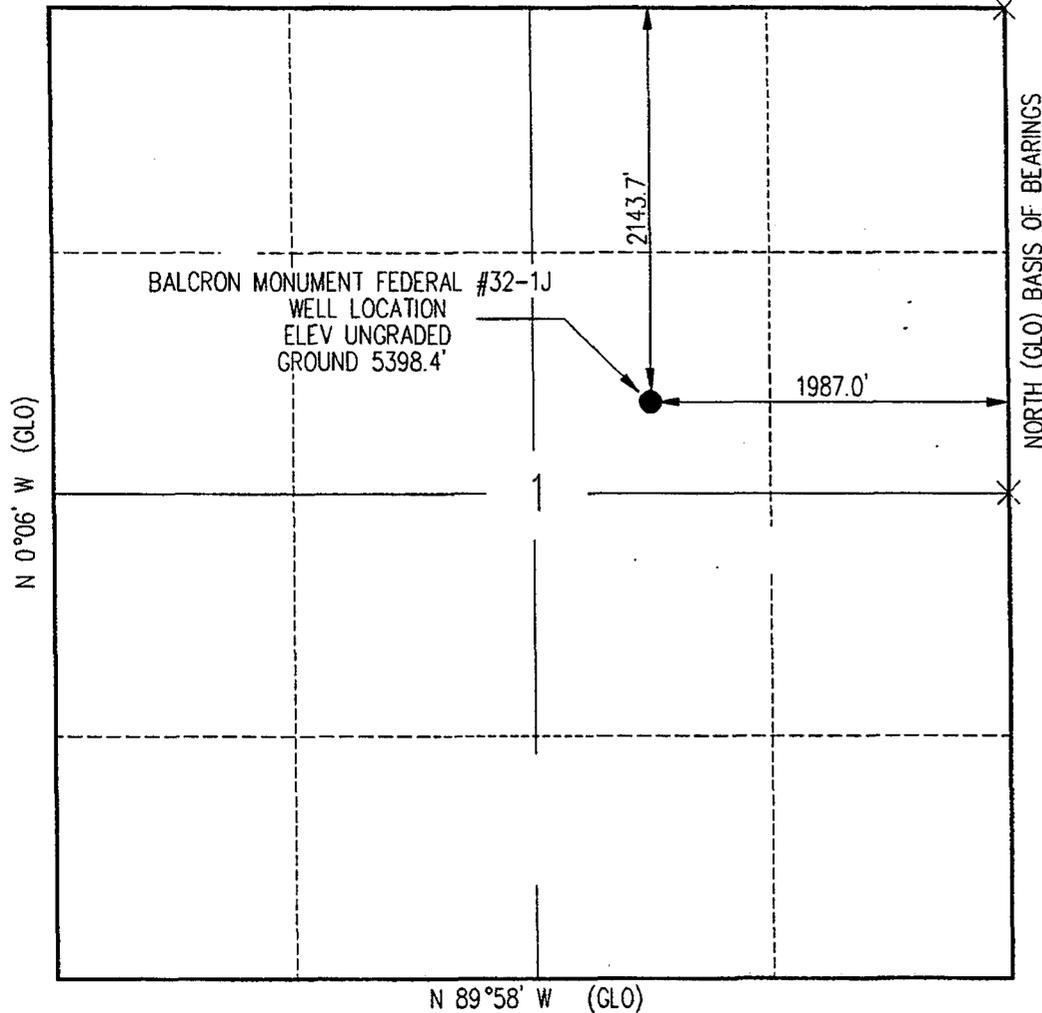
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

December 21, 2009

EXHIBIT "F"

T9S, R16E, S.L.B. & M.

S 89°57' E (GLO)



X = SECTION CORNERS LOCATED  
 BASIS OF BEARINGS; G.L.O. PLAT 1911  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

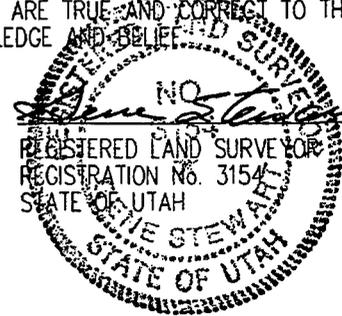
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL  
 #32-1J, LOCATED AS SHOWN IN THE SW 1/4  
 NE 1/4 OF SECTION 1, T9S, R16E, S.L.B. & M,  
 DUCHESNE COUNTY UTAH.



Attachment A-1

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.



WEATHER: CLEAR & HOT
DATE: 9/1/93
SCALE: 1" = 1000'
SURVEYED BY: SS DP
FILE: MF 32-1J



## EXHIBIT B

Page 1

064

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	<u>Township 9 South, Range 16 East</u> Section 1: Lots 1,2, SWNE	UTU-33992 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Tucker Family Investments 12741 E Caley, Suite 142 Englewood, CO 80111	(Surface Rights) USA
2.	<u>Township 8 South, Range 16 East</u> Section 36: All	ML-22061 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Brothers LLC Davis Resources 320 S. Boston #1000 Tulsa, OK 74103-3703	(Surface Rights) STATE

## EXHIBIT B

Page 2

of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3.	<u>Township 9 South, Range 16 East</u> Section 1: Lot 3	U-72104 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 King Oil & Gas of Texas, LTD. c/o Allen C. King 800 Bering Dr. Houston, TX 77057 Jasper Warren 17350 State Hwy 249 Suite 140 Houston, TX 77064-1140	(Surface Rights) USA
4.	<u>Township 9 South, Range 16 East</u> Section 1: Lot 4, S2NW	UTU-72103 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Brothers Davis Resources 110 W 7 <sup>th</sup> St Suite 1000 Tulsa, OK 74119	(Surface Rights) USA

## EXHIBIT B

Page 3

of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
5.	<u>Township 9 South, Range 16 East</u> Section 1: SW	U-18399 HBP	Newfield Production Company Newfield RMI, LLC 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
6.	<u>Township 9 South, Range 16 East</u> Section 1: N2SE, SWSE	U-52013 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
7.	<u>Township 9 South, Range 16 East</u> Section 1: SESE Section 12: N2NE <u>Township 9 South, Range 17 East</u> Section 7: Lots 1&2, N2NE, SWNE, E2NW	UTU-44426 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Petroleum Technical Services Company 1405 W. Pine Avenue Midland, TX 79705-6524 Providence Minerals LLC 14860 Montfort Dr Suite 209 Dallas, TX 75254	(Surface Rights) USA

## EXHIBIT B

Page 4

of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Bonaventure Resources Inc 2857 Paradise Rd #2501 Las Vegas, NV 89109 West Texas Specialty Consulting Services Inc Box 80362 Midland, TX 79708	
8.	<u>Township 9 South, Range 16 East</u> Section 1: SENE	U-40652 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
9.	<u>Township 9 South, Range 17 East</u> Section 6: Lots 1-7, S2NE, SENW E2SW, SE	U-020252A HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Federal #32-1J-9-16

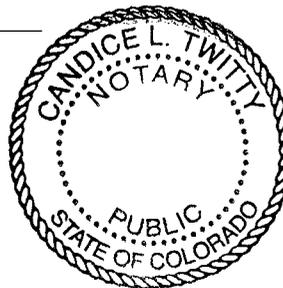
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Analyst

Sworn to and subscribed before me this 4<sup>th</sup> day of March, 2010.

Notary Public in and for the State of Colorado: Candice L. Twitty

My Commission Expires 02/10/2013



## Monument Federal #32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (353.65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5225.43')  
 TUBING ANCHOR: 5235.43'  
 NO. OF JOINTS: 2 jts (66.20')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5304.43' KB  
 NO. OF JOINTS: 1 jts (33.07')  
 TOTAL STRING LENGTH: EOT @ 5339.05'

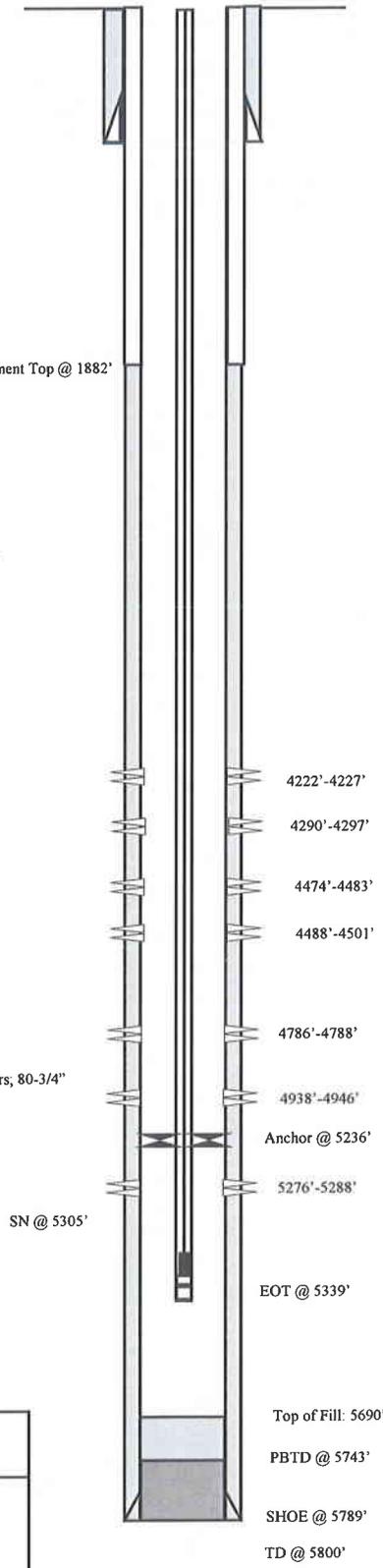
#### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 1-8", 1-6", 1-4" x 3/4" pony rods 6-1 1/2" weight bars; 80-3/4" scraped rods, 74-3/4" plain rods, 51-3/4" scraped rods,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 4 SPM

#### FRAC JOB

9/10/94	5276'-5288'	<b>Frac zone as follows:</b> 17,640# 20/40 sand + 20,540# 16/30 sand in 352 bbls gelled KCl fluid. Treated @ avg press of 2550 psi w/avg rate of 30.7 BPM. ISIP 2250 psi.
9/14/94	4786'-4946'	<b>Frac zone as follows:</b> 26,800# 16/30 sand in 128 bbls gelled KCl fluid. Treated @ avg press of 3000 psi w/avg rate of 29.5 BPM. ISIP 2200 psi.
10/12/00		Tubing leak. Update rod and tubing details.
10/24/02	4474'-4501'	<b>Frac PB zones as follows:</b> 61,000# 20/40 sand in 474 bbls 1-25 viking fluid. Treated @ avg press of 2200 psi w/avg rate of 26.5 BPM. ISIP 2400 psi. Calc flush: 4474 gal. Actual flush: 4410 gal.
10/24/02	4222'-4297'	<b>Frac GB zones as follows:</b> 49,200# 20/40 sand in 399 bbls 1-25 viking fluid. Treated @ avg press of 2075 psi w/avg rate of 26.5 BPM. ISIP 2180 psi. Calc flush: 4222 gal. Actual flush: 4116 gal.
08/31/05		Tbg leak
12/07/05		Pump Change. Detail Rod and tubing update.
03/23/07	Tubing Leak.	Updated Rod & Tubing Details
12/3/08		Tubing Leak. Updated rod & tubing Details.

Cement Top @ 1882'



#### PERFORATION RECORD

9/09/94	5276'-5288'	4 JSPF	48 holes
9/13/94	4938'-4946'	4 JSPF	10 holes
9/13/94	4786'-4788'	4 JSPF	3 holes
10/24/02	4488'-4501'	4 JSPF	52 holes
10/24/02	4474'-4483'	4 JSPF	36 holes
10/24/02	4290'-4297'	4 JSPF	28 holes
10/24/02	4222'-4227'	4 JSPF	20 holes

Note: It was discovered on 2/6/03 that the GB-6 zone from 4314-23 was not opened during the last recompletion procedure.

**NEWFIELD**

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**Monument Federal #32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992

# Monument Butte Fed. #1-1-9-16

Spud Date: 4/30/1981  
 Put on Production: 8/6/1981  
 GL: 5387' KB: 5397'

Initial Production: 69 BOPD,  
 0 MCFD, 0 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 288.50'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 230 sxs Class "G" cml.

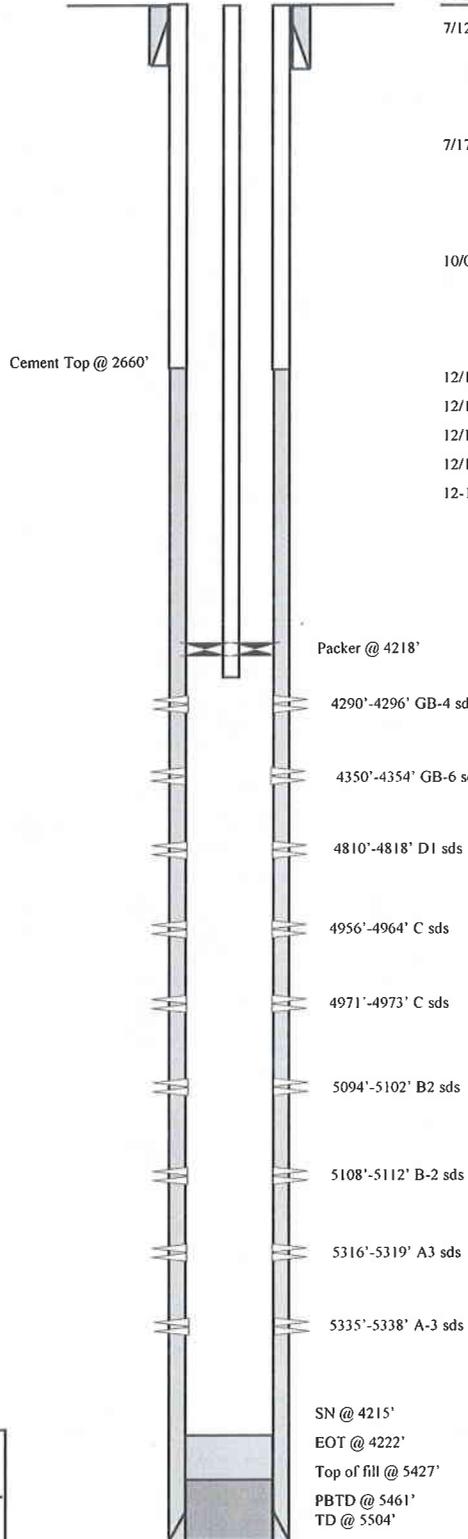
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5504'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sk Pozmix  
 CEMENT TOP AT: 2660' per CBL

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4201.02')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4215 12' KB  
 TUBING PACKER: 4218.32'  
 TOTAL STRING LENGTH: EOT @ 4222.44'

**Injection Wellbore Diagram**



**FRAC JOB**

7/12/81	5316'-5338'	<b>Frac A3 sand as follows:</b> 1000 gal 15% HCl followed by 14,840# 20/40 sand in 304 bbls gelled 2% KCl fluid. Treated @ avg press of 2300 psi w/avg rate of 20 BPM.
7/17/81	5094'-5112'	<b>Frac B2 sand as follows:</b> 3000 gal 15% HCl followed by 25,200# 20/40 sand + 9,000# 10/20 sand in 428 bbls gelled diesel. Treated @ avg press of 3150 psi w/avg rate of 20 BPM.
10/01/82	4956'-4973'	<b>Frac zone as follows:</b> 10,000 gal pad followed by 85,000# 20/40 sand in 607 bbls fluid. Treated @ avg press of 2400 psi w/avg rate of 30 BPM. ISIP 2200 psi.
12/10/01	4810'-4818'	Broke w/ 10 bbl, 2900 psi, ISIP 2200 psi
12/10/01	4350'-4354'	Broke w/ 10 bbl, 2400 psi, ISIP 1700 psi
12/10/01	4290'-4296'	Broke w/ 10 bbl, 1800 psi, ISIP 1750 psi
12/11/01		Convert to injector.
12-15-06		5 Year MIT completed.

**PERFORATION RECORD**

7/12/81	5335'-5338'	2 SPF	03 holes
7/12/81	5316'-5319'	2 SPF	03 holes
7/17/81	5108'-5112'	1 SPF	04 holes
7/17/81	5094'-5102'	1 SPF	08 holes
9/30/82	4971'-4973'	2 SPF	04 holes
9/30/82	4956'-4964'	1 SPF	09 holes
12/7/01	4810'-4818'	4 SPF	32 holes
12/7/01	4350'-4354'	4 SPF	16 holes
12/7/01	4290'-4296'	4 SPF	24 holes

**NEWFIELD**

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**Monument Butte Fed. #1-1-9-16**

684' FNL & 1930' FWL  
 NENW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30571; Lease #UTU-72104

# Monument Federal #31-1J-9-16

Spud Date: 9/15/95  
 Put on Production: 10/13/95  
 GL: 5368' KB: 5377'

Initial Production: 34 BOPD,  
 NM MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts 252.45'  
 DEPTH LANDED: 262.45' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Premium cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts (5895.78')  
 DEPTH LANDED: 5907.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Super G & 288 sxs 50/50 POZ.  
 CEMENT TOP AT: 810' KB

**TUBING**

SIZE/GRADE/WT : 2-7/8"/6.5#/J-55  
 NO. OF JOINTS: 173 jts (5241.35') Btm 15 jts YB  
 TUBING ANCHOR 5250.35' KB  
 NO. OF JOINTS: 2 jts (63.81')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5316.96' KB  
 NO. OF JOINTS: 1 jt (28.10')  
 TOTAL STRING LENGTH: EOT @ 5346.61' KB

**SUCKER RODS**

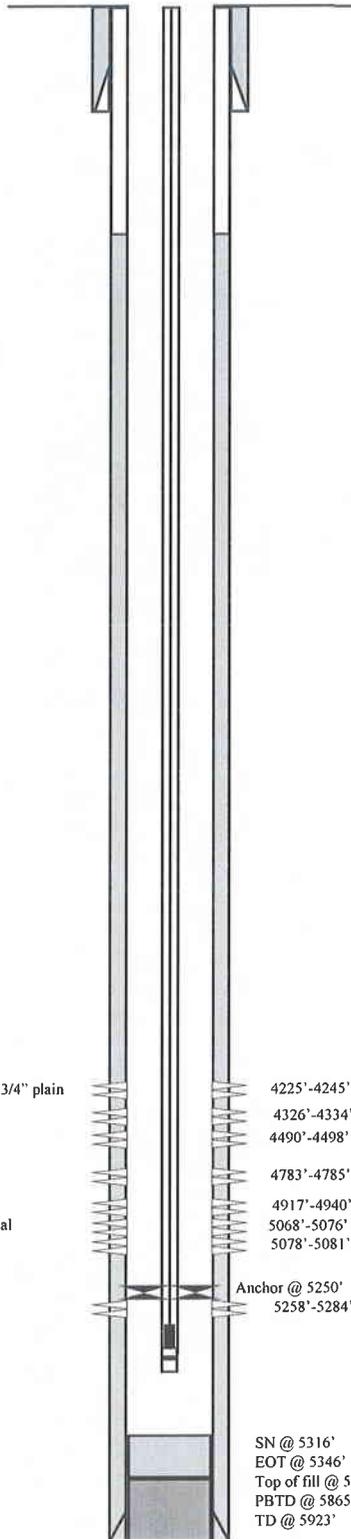
POLISHED ROD: 1-1/4" x 22' polished rod.  
 SUCKER RODS: 6- 1 1/2" wt rods, 10-3/4" scraper rods (new), 106- 3/4" plain rods, 90- 3/4" plain rods (new), 1-2', 1-4' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2 x 1-1/2 x 15.5" RHAC pump  
 STROKE LENGTH: 85"  
 PUMP SPEED, SPM: 4.5 SPM  
 LOGS: CBL/GR/Collars: Litho Density Compensated Neutron/GR; Dual Laterolog w/Linear Correlation GR

**FRAC JOB**

9/28/95	5258'-5284'	<b>Frac sand as follows:</b> 14,000# 20/40 sand + 60,000# 16/30 sand in 530 bbls 2% KCl water. Treated @ avg press of 2150 psi w/avg rate of 32 BPM. ISIP 2100 psi. Calc. flush: 5258 gal., Actual flush: 5208 gal.
9/29/95	5068'-5076'	<b>Frac sand as follows:</b> 16,000# 20/40 sand + 24,000# 16/30 sand in 354 bbls 2% KCl water. Treated @ avg press of 2150 psi w/avg rate of 31.4 BPM. ISIP 1950 psi. Calc. flush: 5068 gal., Actual flush: 5040 gal.
10/03/95	4783'-4940'	<b>Frac sand as follows:</b> 72,000# 16/30 sand in 501 bbls 2% KCl water. Treated @ avg press of 2400 psi w/avg rate of 31.7 BPM. ISIP 2300 psi. Calc. flush: 4783 gal., Actual flush: 4746 gal.
10/10/99		Pump change. Update rod and tubing details.
6/21/02	4490'-4498'	<b>Frac PB10 sand as follows:</b> 28,308# 20/40 sand in 290 bbls Viking I-25 frac fluid. Treated @ avg press of 2230 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc. flush: 4490 gal., Actual flush: 4445 gal.
6/21/02	4225'-4334'	<b>Frac GB4,6 sands as follows:</b> 92,383# 20/40 sand in 732 bbls Viking I-25 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc. flush: 4225 gal., Actual flush: 4158 gal.

**PERFORATION RECORD**

9/27/95	5258'-5284'	2 JSPF	52 holes
9/28/95	5078'-5081'	4 JSPF	32 holes
9/28/95	5068'-5076'	4 JSPF	12 holes
10/02/95	4917'-4940'	1 JSPF	03 holes
10/02/95	4783'-4785'	1 JSPF	11 holes
6/21/02	4490'-4498'	4 JSPF	32 holes
6/21/02	4326'-4334'	4 JSPF	32 holes
6/21/02	4225'-4245'	4 JSPF	80 holes



SN @ 5316'  
 EOT @ 5346'  
 Top of fill @ 5804'  
 PBTD @ 5865'  
 TD @ 5923'



**Monument Federal #31-1J-9-16**  
 660' FNL & 1980' FEL  
 NW/NE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31413; Lease #U-33992

## Federal #2-1-9-16

Spud Date: 3/25/82

Put on Production: 4/29/82  
GL: 5341' KB: 5358'

Initial Production: 26 BOPD, 0  
MCFPD, 62 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 221'  
DEPTH LANDED: 238' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class G

#### PRODUCTION CASING

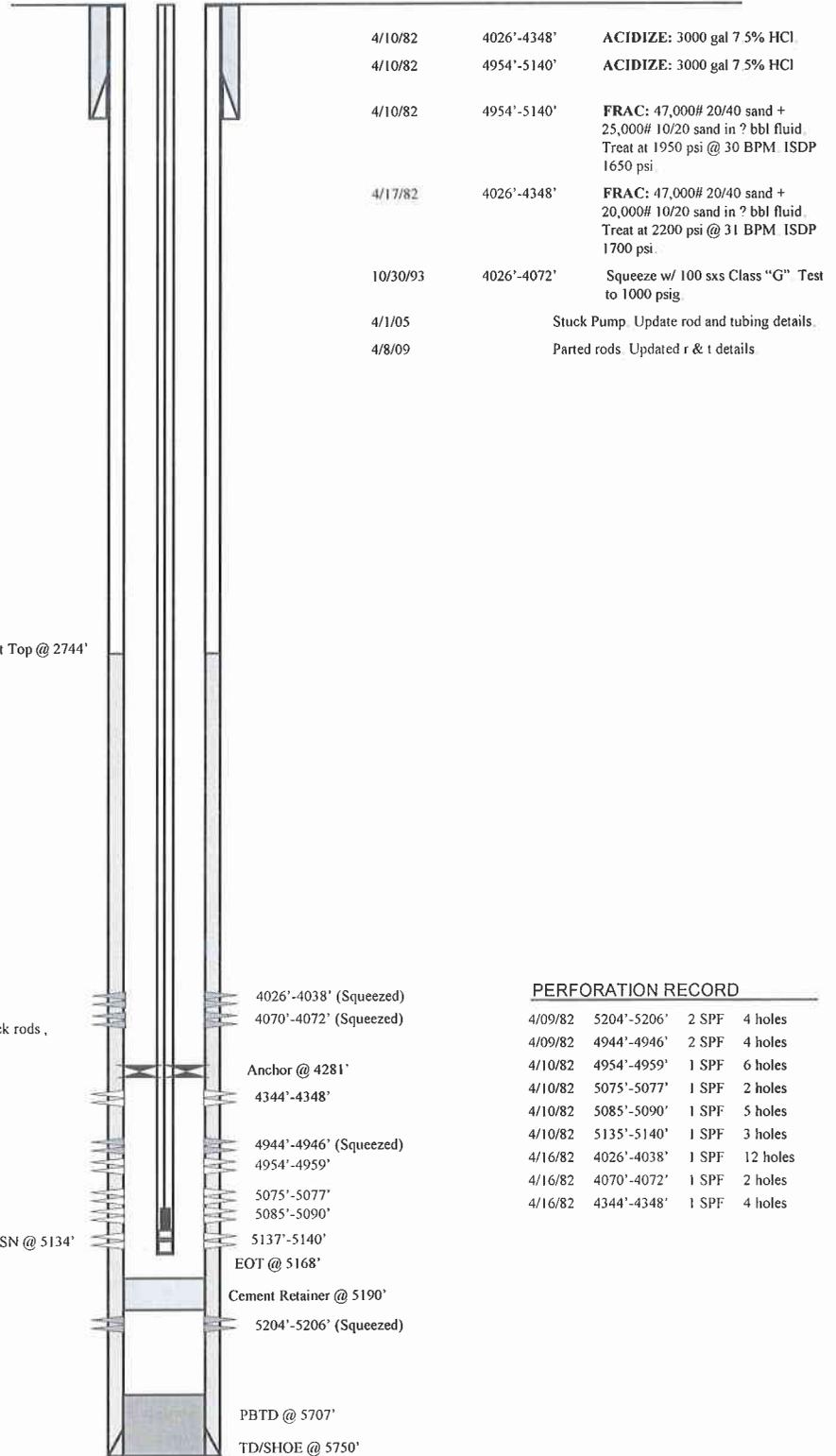
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5775'  
DEPTH LANDED: 5774' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 670 sk 50/50 Poz  
CEMENT TOP AT 2744'

#### TUBING

SIZE/GRADE/WT 2-7/8"/6.5#/J-55  
NO OF JOINTS: 135 jts (4260 76')  
TUBING ANCHOR 4280 51'  
NO OF JOINTS 27 jts (852 41')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5434.02'  
NO OF JOINTS 2 7/8"x3' Perf Sub  
NO OF JOINTS 1 jts (30 79')  
TOTAL STRING LENGTH EOT @ 5168 36'

#### SUCKER RODS

POLISHED ROD: 1-1/4" x 16' polished rod  
SUCKER RODS: 2-1 1/2" WT bars; 22-3/4" guided rods, 86-3/4" slick rods,  
93-3/4" guided rods; 1-8", 2-4", 1-2" x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC pump  
STROKE LENGTH: 54"  
PUMP SPEED, SPM: 4 SPM





**Federal #2-1-9-16**  
784' FNL & 812' FEL  
NE/NE Section I-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30603; Lease #UTU-33992

# S. Monument Butte G-1-9-16

Spud Date: 8/16/08  
 Put on Production: 9/24/08  
 GL: 5404' KB: 5416'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (324.89')  
 DEPTH LANDED: 336.74'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts (6266.29')  
 SET AT: 6236.17'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx Premilite II and 450 sx 50/50 Poz  
 CEMENT TOP AT: 24'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 195 jts ( 6004.69')  
 TUBING ANCHOR: 6016.69' KB  
 NO. OF JOINTS: 1 jt ( 30.67')  
 SEATING NIPPLE: 2-7/8" (1' 10")  
 SN LANDED AT: 6050.16' KB  
 NO. OF JOINTS: 1 jt ( 31.05')  
 TOTAL STRING LENGTH: EOT @ 6082.76'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1-8", 1-6" & 1-4" x 7/8" ponies, 237-7/8" scraped rods, 4-1 1/2" wt rods, 1 5/8" shear cplg (21k)  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 20"  
 STROKE LENGTH: 122  
 PUMP SPEED, SPM: 5.5

**FRAC JOB**

9/17/08 6062-6072' Frac CP5 sds as follows:  
 30,582#s of 20/40 sand in 425 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2124 psi w/ ave rate of 21.2 BPM ISIP 1956 psi Actual flush: 5557 gals.

9/17/08 5888-5904' Frac CP3 sds as follows:  
 45,555#s of 20/40 sand in 465 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1725 psi w/ ave rate of 22.3 BPM ISIP 1772 psi Actual flush: 5296 gals.

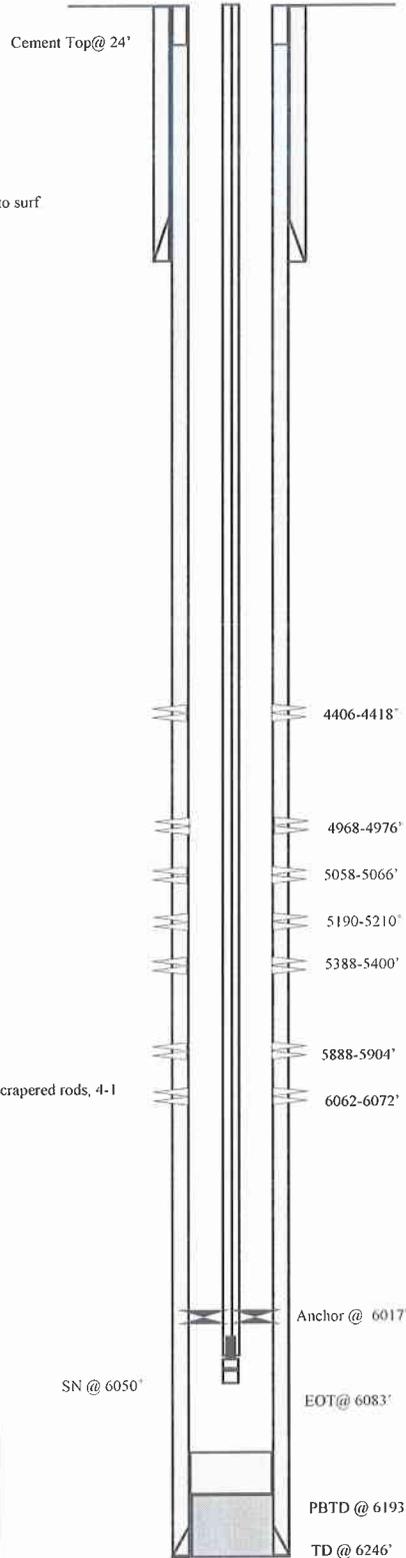
9/18/08 5388-5400' Frac A1 sds as follows:  
 45,735#s of 20/40 sand in 452 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1841 psi w/ ave rate of 22.3 BPM ISIP 1967 psi Actual flush: 4880 gals.

9/18/08 5190-5210' Frac B2 sds as follows:  
 55,539#s of 20/40 sand in 493 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1702 psi w/ ave rate of 22.3 BPM ISIP 1945 psi Actual flush: 4683 gals.

9/18/08 5058-5066' Frac C sds as follows:  
 25,121#s of 20/40 sand in 380 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2264 psi w/ ave rate of 22.3 BPM ISIP 2721 psi Actual flush: 4553 gals.

9/18/08 4968-4976' Frac D2 sds as follows:  
 25,324#s of 20/40 sand in 356 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2072 psi w/ ave rate of 22.3 BPM ISIP 1963 psi Actual flush: 4376 gals.

9/18/08 4406-4418' Frac GB6 sds as follows:  
 27,816#s of 20/40 sand in 374 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2359 psi w/ ave rate of 22.2 BPM ISIP 2078 psi Actual flush: 4322 gals.



**PERFORATION RECORD**

9/18/08	4406-4418'	4 JSPF	48 holes
9/18/08	4968-4976'	4 JSPF	32 holes
9/18/08	5058-5066'	4 JSPF	32 holes
9/18/08	5190-5210'	4 JSPF	80 holes
9/18/08	5388-5400'	4 JSPF	48 holes
9/17/08	5888-5904'	4 JSPF	32 holes
9/17/08	6062-6072'	4 JSPF	40 holes



**S. Monument Butte G-1-9-16**  
 2076' FNL & 2024' FWL  
 SE/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33964; Lease #UTU-72103

# JONAH FEDERAL J-1-9-16

Spud Date: 05/23/07  
 Put on Production: 07/03/07  
 GL: 5351' KB: 5363'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294.72')  
 DEPTH LANDED: 306.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 160 jts (6217.25')  
 DEPTH LANDED: 6230.50' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 365 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 47'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 190 jts (5954.15')  
 TUBING ANCHOR: 5966.15' KB  
 NO. OF JOINTS: 2 jts (62.96')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6031.91' KB  
 NO. OF JOINTS: 1 jts (31.10')  
 TOTAL STRING LENGTH: EOT @ 6064.56' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-2', 1-8' x 7/8" pony rods, 237-7/8" scraped rods, 4-1 1/2' weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 16x 20' RHAC  
 STROKE LENGTH: 122"  
 PUMP SPEED, 5 SPM:

### FRAC JOB

09/18/07 6008-6020' **Frac CP5 sands as follows:**  
 85173# 20/40 sand in 485 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 24.9 BPM. ISIP 2385 psi. Calc flush: 6006 gal. Actual flush: 5418 gal.

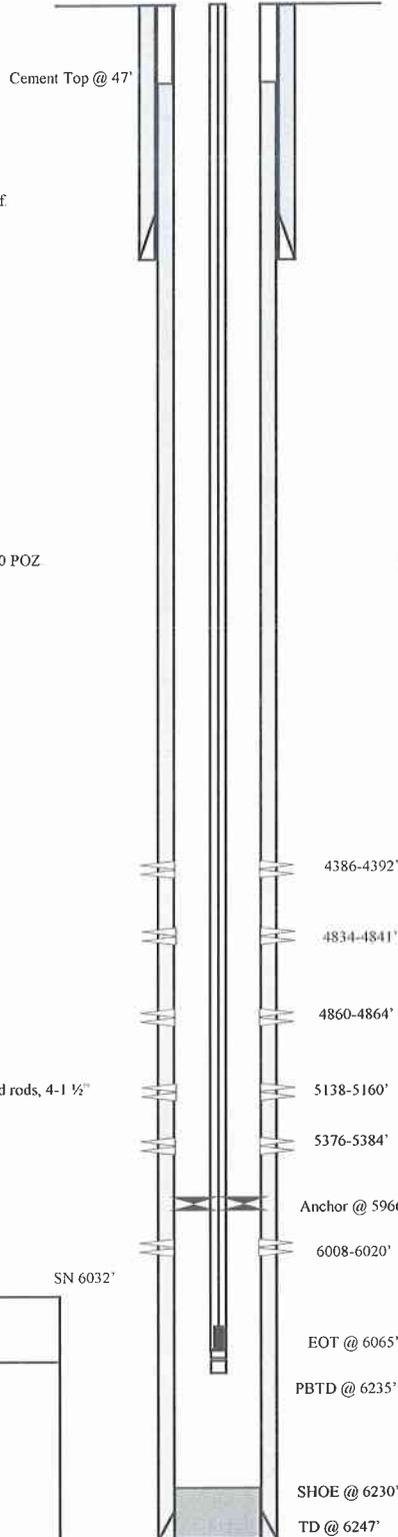
09/18/07 5376-5384' **Frac LODC sands as follows:**  
 29751# 20/40 sand in 399 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.9 BPM. ISIP 2040 psi. Calc flush: 5374 gal. Actual flush: 4868 gal.

09/19/07 5138-5160' **Frac B1 sands as follows:**  
 148,475# 20/40 sand in 1045 bbl Lightning 17 frac fluid. Treated @ avg press of 1936 psi w/avg rate of 24.8 BPM. ISIP 2255 psi. Calc flush: 5136 gal. Actual flush: 4620 gal.

09/19/07 4834-4864' **Frac D1 sands as follows:**  
 60119# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 2040 psi w/avg rate of 24.8 BPM. ISIP 2195 psi. Calc flush: 4858 gal. Actual flush: 4326 gal.

09/19/07 4386-4392' **Frac GB6 sands as follows:**  
 29876# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 2135 psi w/avg rate of 24.8 BPM. ISIP 1950 psi. Calc flush: 4384 gal. Actual flush: 4284 gal.

9/21/09 Pump Change. Updated rod & tubing details.



### PERFORATION RECORD

Date	Interval	Tool	Holes
09/14/07	6008-6020'	4 JSPF	48 holes
09/18/07	5376-5384'	4 JSPF	32 holes
09/18/07	5138-5160'	4 JSPF	88 holes
09/19/07	4860-4864'	4 JSPF	16 holes
09/19/07	4834-4841'	4 JSPF	28 holes
09/19/07	4386-4392'	4 JSPF	24 holes

**NEWFIELD**

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**JONAH FEDERAL J-1-9-16**

823' FNL & 769' FEL

PROP BHL: 1323' FNL & 0' FEL

NE/NE Section 1, T9S, R16E

Duchesne Co, Utah

API #43-013-33571; Lease # UTU-33992

SN 6032'

# Monument Butte #5-1-9-16

Initial Production: 135 BOPD, 120 MCFD  
55 BWPD

Spud Date: 7/24/95  
Put on Production: 11/20/95  
GL: 5428' KB: 5441'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (299.64)  
DEPTH LANDED: 296.99'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sx Premium 250

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (6088')  
SET AT: 6076'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 255 sx HiFill & 325 sx Thixotropic  
CEMENT TOP AT: 380' from CBL

**TUBING**

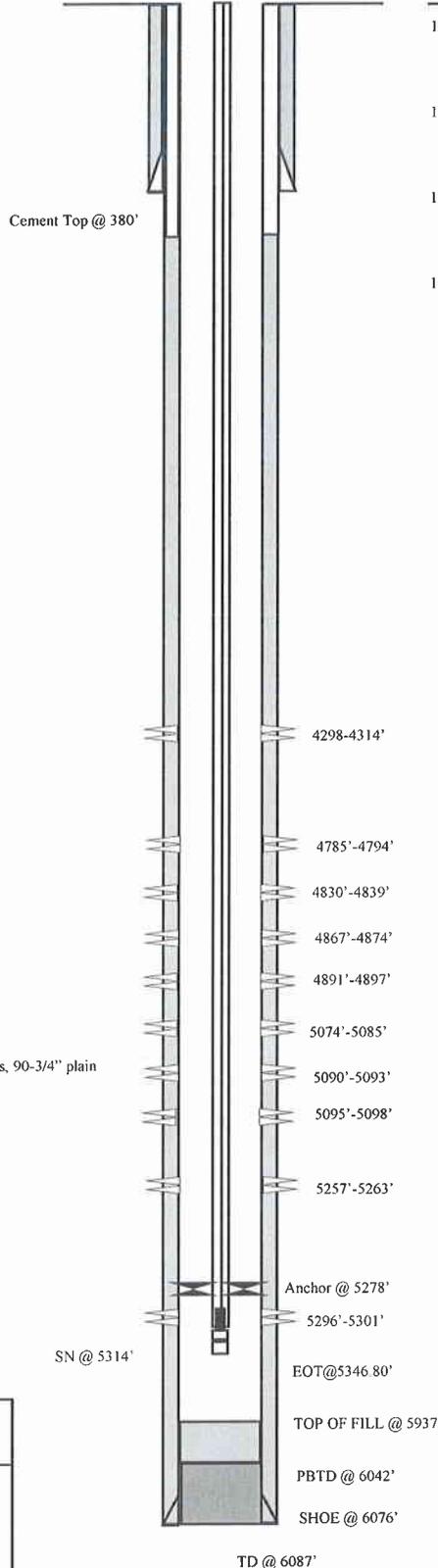
SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 160 jts (4907.91')  
NO. OF JOINTS: 11 jts (357.38')  
TUBING ANCHOR: 5278.29' KB  
NO. OF JOINTS: 1 (33.38')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5314.47' KB  
NO. OF JOINTS: 1 jt (30.78')  
TOTAL STRING LENGTH: EOT @ 5346.80' W/ 13' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2"x22'  
SUCKER RODS: 5-1 1/2" weight bars, 19 3/4" scraped rods, 90-3/4" plain rods, 98- 3/4" scraped rods, 1-6', 1-2' x 3/4" pony rods  
PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4  
LOGS:

**FRAC JOB**

11/11/95 5257'-5301' 86,800# 20/40 sand in 652 bbls frac fluid. Avg TP 2000 psi w/avg rate of 37.5 BPM. ISIP-2040 psi. Calc flush: 5257 gal. Act flush: 5213 gal.  
11/14/95 5074-5098' 89,500# 20/40 sand in 590 bbls frac fluid. Avg TP 1800 psi w/avg rate of 35 BPM. ISIP-2036 psi. Calc flush: 5074 gal. Act flush: 5031 gal.  
11/16/95 4785-4897' 110,000# 20/40 sand in 774 bbls frac fluid. Avg TP 1647 psi w/avg rate of 36 BPM. ISIP-2400 psi. Calc flush: 4785 gal. Act flush: 4721 gal.  
11/03/04 4298-4314' **Frac GB6 sands as follows:**  
78,348# 20/40 sand in 577 bbls Lightning 17 frac fluid. Treated @ Avg press. of 1875 psi w/avg rate of 24.9 BPM. ISIP-2200 psi. Calc flush: 4296 gal. Act flush: 4087 gal.



**PERFORATION RECORD**

Date	Interval	Number of Holes	Notes
11/10/95	5257'-5295'	4 JSPF	24 holes
11/10/95	5296'-5301'	4 JSPF	20 holes
11/12/95	5074'-5085'	4 JSPF	44 holes
11/12/95	5090'-5093'	4 JSPF	12 holes
11/12/95	5095'-5098'	4 JSPF	12 holes
11/15/95	4785'-4794'	4 JSPF	36 holes
11/15/95	4830'-4839'	4 JSPF	36 holes
11/15/95	4867'-4874'	4 JSPF	28 holes
11/15/95	4891'-4897'	4 JSPF	24 holes
11/02/04	4298-4314'	2 JSPF	32 holes

**NEWFIELD**

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**Monument Butte #5-1-9-16**

1984 FNL & 666 FWL

SW/NW Section I-T9S-R16W

Duchesne Co, Utah

API #43-013-31507; Lease #UTU-72103

# Monument Butte Federal #6-1-9-16

Spud Date: 4/16/96  
 Put on Production: 6/25/96  
 GL: 5406' KB: 5421'

Initial Production: 26 BOPD,  
 32 MCFD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 293.21' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 sxs Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 5825.44' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 270 sxs Hi-fill & 395 sxs Thixotropic  
 CEMENT TOP AT: 284'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 167 jts (5222.63')  
 TUBING ANCHOR: 5240.43' KB  
 NO. OF JOINTS: 1 jts (31.21')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5272.74' KB  
 NO. OF JOINTS: 1 jts (31.55')  
 TOTAL STRING LENGTH: EOT @ 5304.74' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2", 1-6" x 3/4" pony rods, 115-3/4" scraped rods, 85-3/4" slick rods, 4-3/4" scraped rods, 6-1 1/2" weight bars  
 PUMP SIZE: 2 1/2 X 1-1/4 X 15'  
 STROKE LENGTH: .54"  
 PUMP SPEED, SPM: 7.5 SPM

**FRAC JOB**

6/19/96 5268'-5273' **Frac A sand as follows:**  
 52,200# 20/40 sand in 339 bbls Boragel frac fluid. Treated @ avg press of 2300 psi w/avg rate of 16.4 BPM. ISIP 2446 psi. Calc flush: 5268 gal. Actual flush: 5116 gal.

6/21/96 4784'-4948' **Frac C & D sands as follows:**  
 75,600# 20/40 sand in 411 bbls Boragel frac fluid. Treated @ avg press of 1600 psi w/avg rate of 24.8 BPM. ISIP 2585 psi. Calc flush: 4784 gal. Actual flush: 4710 gal.

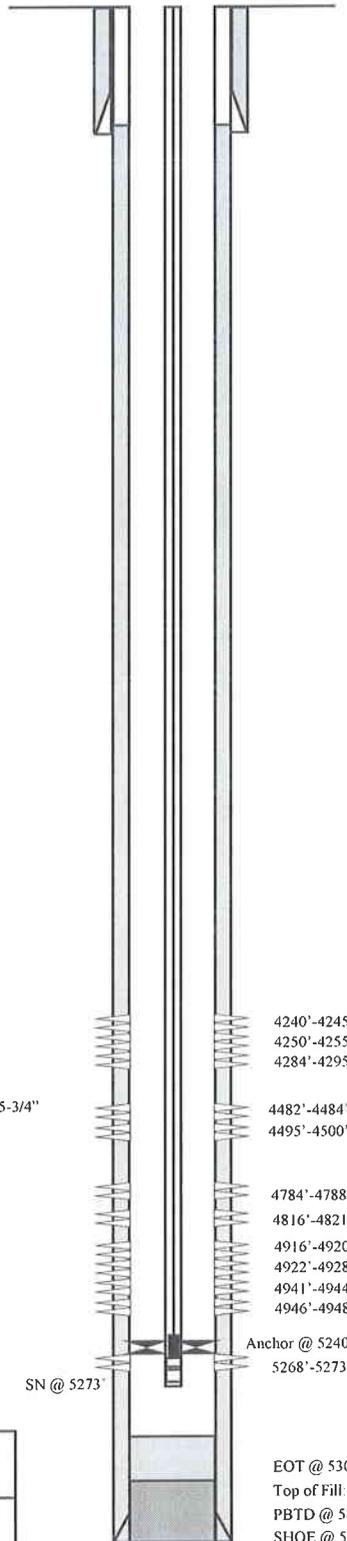
1/19/97  
 Hole in tubing. Update rod and tubing details.

10/2/02 4240'-4500' **Frac GB4 & PB10 sands as follows:**  
 99,953# 20/40 sand in 422 bbls Viking 1-25 fluid. Treated @ avg press of 2245 psi w/avg rate of 26 BPM. ISIP 2280 psi. Calc flush: 4240 gal. Actual flush: 4116 gal.

02/02/06  
 Tubing Leak. Update rod and tubing details.

**PERFORATION RECORD**

Date	Interval	Tool	Holes
6/18/96	5268'-5273'	4 JSPF	20 holes
6/20/96	4946'-4948'	4 JSPF	08 holes
6/20/96	4941'-4944'	4 JSPF	12 holes
6/20/96	4922'-4928'	4 JSPF	24 holes
6/20/96	4916'-4920'	4 JSPF	16 holes
6/20/96	4816'-4821'	4 JSPF	20 holes
6/20/96	4784'-4788'	4 JSPF	16 holes
10/1/02	4495'-4500'	4 JSPF	20 holes
10/1/02	4482'-4484'	4 JSPF	8 holes
10/1/02	4284'-4295'	4 JSPF	44 holes
10/1/02	4250'-4255'	4 JSPF	20 holes
10/1/02	4240'-4245'	4 JSPF	20 holes



**NEWFIELD**

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**Monument Butte Federal #6-1-9-16**  
 2082' FNL & 2045' FWL  
 SE/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31506; Lease #UTU-72103

# Balcron Monument Federal #42-1J

Spud Date: 10/19/93  
 Put on production: 12/11/93  
 Put on Injection: 8/18/94  
 GL: 5380' KB: 5390'

Initial Production: 80 BOPD, 400 MCFD,  
 20 BOPD

Injection Diagram

**SURFACE CASING**

SIZE: 8-5/8" / J-55 / 24 lbs  
 LENGTH: 8 jts (346')  
 HOLE SIZE: 12-1/4"  
 DEPTH LANDED: 356' KB  
 CEMENT DATA: 180 sxs Class "G" w/additives

**PRODUCTION CASING**

SIZE: 5-1/2" / K-55 / 15.5#  
 LENGTH: 5799'  
 DEPTH LANDED: 5809' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 112 sxs Thrifty-lite & tail w/258 sxs 50-50 POZ  
 CEMENT TOP AT: 2310' KB from Calculations

**TUBING RECORD**

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 134 jts  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4363 65' KB  
 TUBING PACKER: 4268.00' KB  
 TOTAL STRING LENGTH: EOT @ 4272.27'

**FRAC JOB**

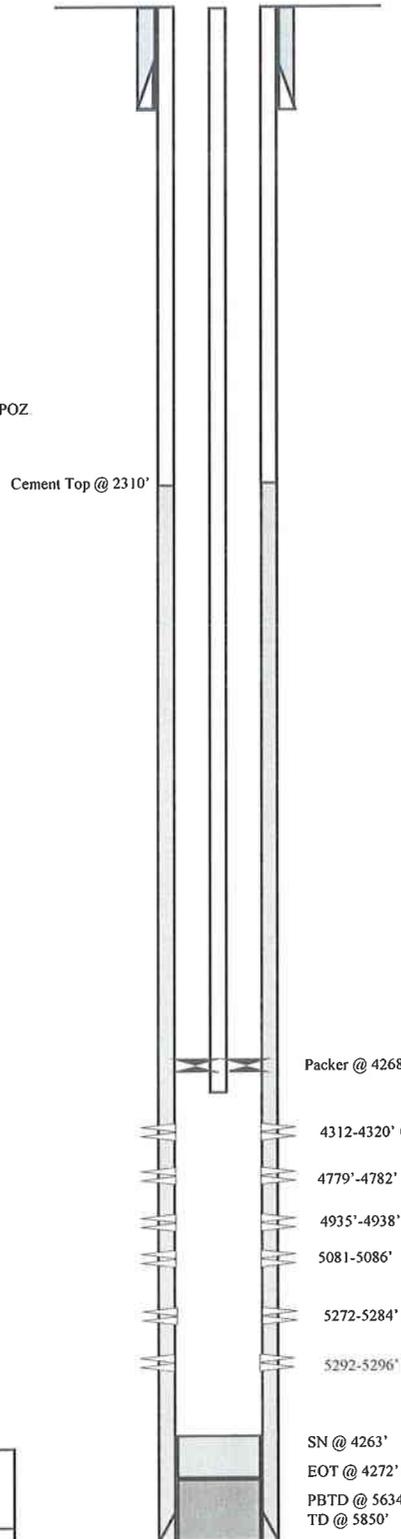
**5081'- 5296':** 15,000# 20/40 sand + 12,000 lbs 16/30 sand in 403 bbls 2% KCL water.

**4779'- 4938':** 20,520# 16/30 sand in 149 bbl Viking 1-35 fluid Avg treating press 2550 psi @ 17 BPM ISIP 1850 psi. Clac Flush: 4779 gal, Actual flush: 4704 gal.

**8-8-05 5272-5284'** **Frac A3 sand as follows:** 18934#'s 20/40 sand in 206 bbls of Lightning 17 frac fluid. Treated @ ave. pressure 3686 w ave rate of 13.9 BPM. ISIP 3000 Calc. flush 1856 gals. Actual flush 1218

**8-8-05 4312-4320'** **Frac GB6 sand as follows:** 21601#'s 20/40 sand in 206 bbls of Lightning 17 frac fluid. Treated @ ave. Pressure 2670 w ave rate of 13.8 BPM. ISIP 1900 Calc. flush 1057 gals. Actual flush 1008 gals.

**8-26-05** **MIT Completed.**



**PERFORATION RECORD**

4779' - 4782'	2 SPF	6 holes
4935' - 4938'	2 SPF	6 holes
5081' - 5086'	2 SPF	4 holes
5292' - 5296'	2 SPF	4 holes
8-5-05 5272-5284'	4 JSPF	48 holes
8-5-05 4312-4320'	4 JSPF	32 holes

**NEWFIELD**

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**Balcron Monument Federal #42-1J**  
 2078 FNL & 629 FEL  
 SENE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31404; Lease #U-40652

# Allen Federal #12-6-9-17

Spud Date: 12/31/81  
 Put on Production: 2/20/82  
 GL: 5352' KB: 5366'

Initial Production: 190 STBOPD,  
 75 MCFD, 39 STBOPD

Wellbore Diagram

**SURFACE CASING**

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: K-55  
 WEIGHT: 24 lbs.  
 LENGTH: 7 jts @ 260'  
 DEPTH LANDED: 270' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 210 sx, Class-H  
 Cement to surface.

**PRODUCTION CASING**

STRING: 1  
 SIZE: 5 1/2"  
 GRADE: K-55, LT&C  
 WEIGHT: 15.5 lbs.  
 LENGTH: 6280'  
 DEPTH LANDED: 6290' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 420 sx, Class-G  
 655 sx, RFC  
 CEMENT TOP AT: 680' KB from CBL

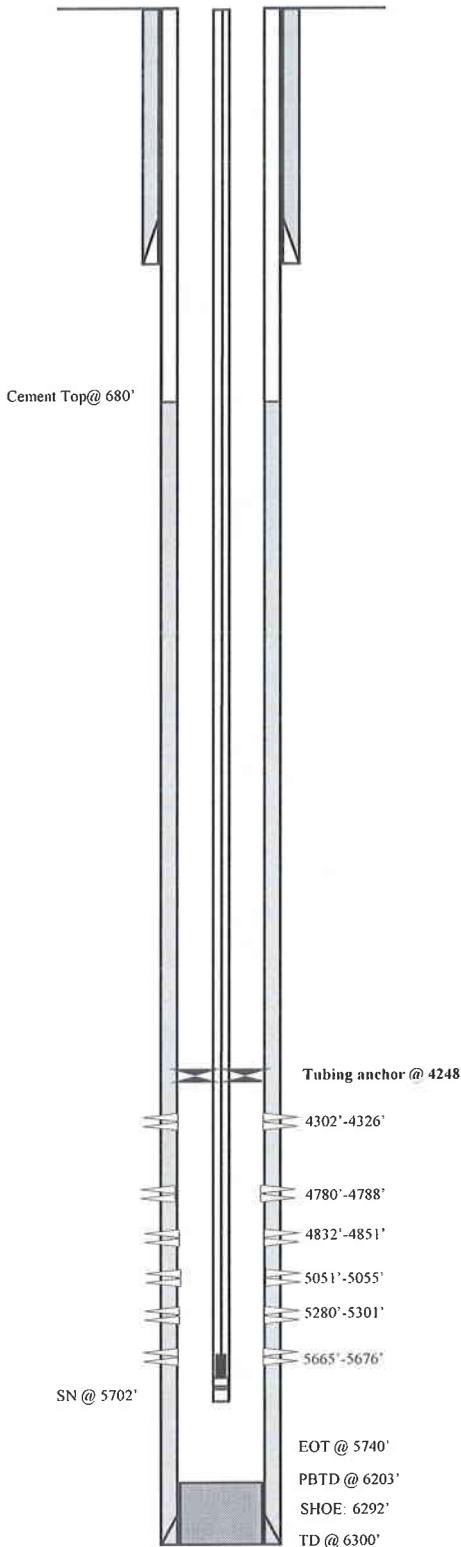
**TUBING RECORD**

SIZE/GRAD: 2 3/8", J-55, 4.7 lbs  
 NO OF JOINTS: 136 jts (4234')  
 TUBING ANCHOR: 4248'  
 NO OF JOINTS: 47 jts (4250.8')  
 SEATING NIPPLE: 2 3/8" (1.10')  
 SN LANDED AT: 5702' KB  
 PERF SUB: 2 3/8" x 4.20'  
 NO OF JOINTS: 1 jt (33.10')  
 TOTAL STRING LENGTH EOT @ 5740' KB

**SUCKER RODS**

POLISHED RODS: 1-1 1/4" x 22'  
 SUCKER RODS: 2-4' x 3/4" pony rod, 1-6' x 3/4" pony rod,  
 103- 1/2" guided rods, 104- 1/4" sucker rods, 15- 3/4" guided  
 rods, 4- 1 1/2" weight bars  
 PUMP SIZE: 2" x 1 1/4" x 12' x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 7

LOGS Cement Bond, Dual Induction-SFL,  
 Compensated Neutron-Formation Density,  
 Cyberlook



**FRAC JOB**

4302'- 4326' **Frac w/Halliburton on 2-10-82.**  
 36,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10-20  
 mesh sand, Avg 20 BPM @ 1800 psig,  
 max @ 2200 psig, ISIP @ 1800 psig,  
 15 min @ 1540 psig, 20 min @ 1520  
 psig.

4780'- 4788' **Frac w/Western on 9-9-93.**  
 11,718 gal Viking I-35# w/23,800 lbs  
 16-30 meshsand, Avg 12 BPM @ 4200  
 psig, max @ 5000 psig, ISIP @ 2180  
 psig, 5 min @ 1720 psig, 10 min  
 @ 1620 psig, 15 min @ 1560 psig.

4832'- 4851' **Frac w/Halliburton on 2-9-82.**  
 31,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10/20  
 sand Avg treating pressure 1950 psig,  
 max @ 2150 psig, ISIP @ 1950 psig,  
 15 min @ 1780 psig, 20 min @ 1770  
 psig.

5051'- 5055' **Frac w/Western on 9-9-93.**  
 8,190 gal Viking I 35# w/8,000 lbs 16-  
 30 mesh sand, Avg 10.5 BPM @ 4700  
 psig, max @ 4900 psig, ISIP @ 1930  
 psig, 5 min @ 1900 psig, 10 min  
 @ 1870 psig, 15 min @ 1860 psig.

5280'- 5301' **Frac w/Halliburton on 2-8-82.**  
 31,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10-20  
 mesh sand, Avg 20 BPM @ 1800 psig,  
 max @ 2700 psig, ISIP @ 2070 psig,  
 15 min @ 1920 psig, 20 min @ 1900  
 psig.

5665'- 5676' **Frac w/Halliburton on 2-7-82.**  
 36,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10-20  
 mesh sand, Avg 15 BPM @ 1700 psig,  
 max @ 2400 psig, ISIP @ 1930 psig,  
 15 min @ 1750 psig, 20 min @ 1720  
 psig.

9/30/02 Pump change. Update rod and tubing details

11/25/09 Parted rods. Updated rod and tubing detail.

**ACID JOB**

4302'- 4326' 2500 gal 15% HCl Acid  
 4832'- 4851' 2000 gal 15% HCl Acid  
 5280'- 5301' 2000 gal 15% HCl Acid  
 5665'- 5676' 1000 gal 15% HCl Acid

**PERFORATION RECORD**

4302'- 4326' (24) 49 Holes YELLOW  
 4780'- 4788' (8) 32 Holes RED1 (Added 9-8-93)  
 4832'- 4851' (19) 39 Holes RED2  
 5051'- 5055' (4) 8 Holes GREEN1 (Added 9-8-93)  
 5280'- 5301' (21) 43 Holes GREEN5  
 5665'- 5676' (11) 23 Holes BLUE



**Allen Federal #12-6-9-17**  
 1980' FNL 604' FWL  
 SW/NW Section 6-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-30582; Lease #UTU-020252A

## FEDERAL 1-23-9-16

Spud Date: 12/06/07  
 Put on Production: 02/11/08  
 GL: 5651' KB: 5663'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309 17')  
 DEPTH LANDED: 321'  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: To Surface w/160sx of class 'G' cement

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5815'  
 DEPTH LANDED: 5784'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx of Primlite II and 400 sx of 50/50 poz.  
 CEMENT TOP: 91'

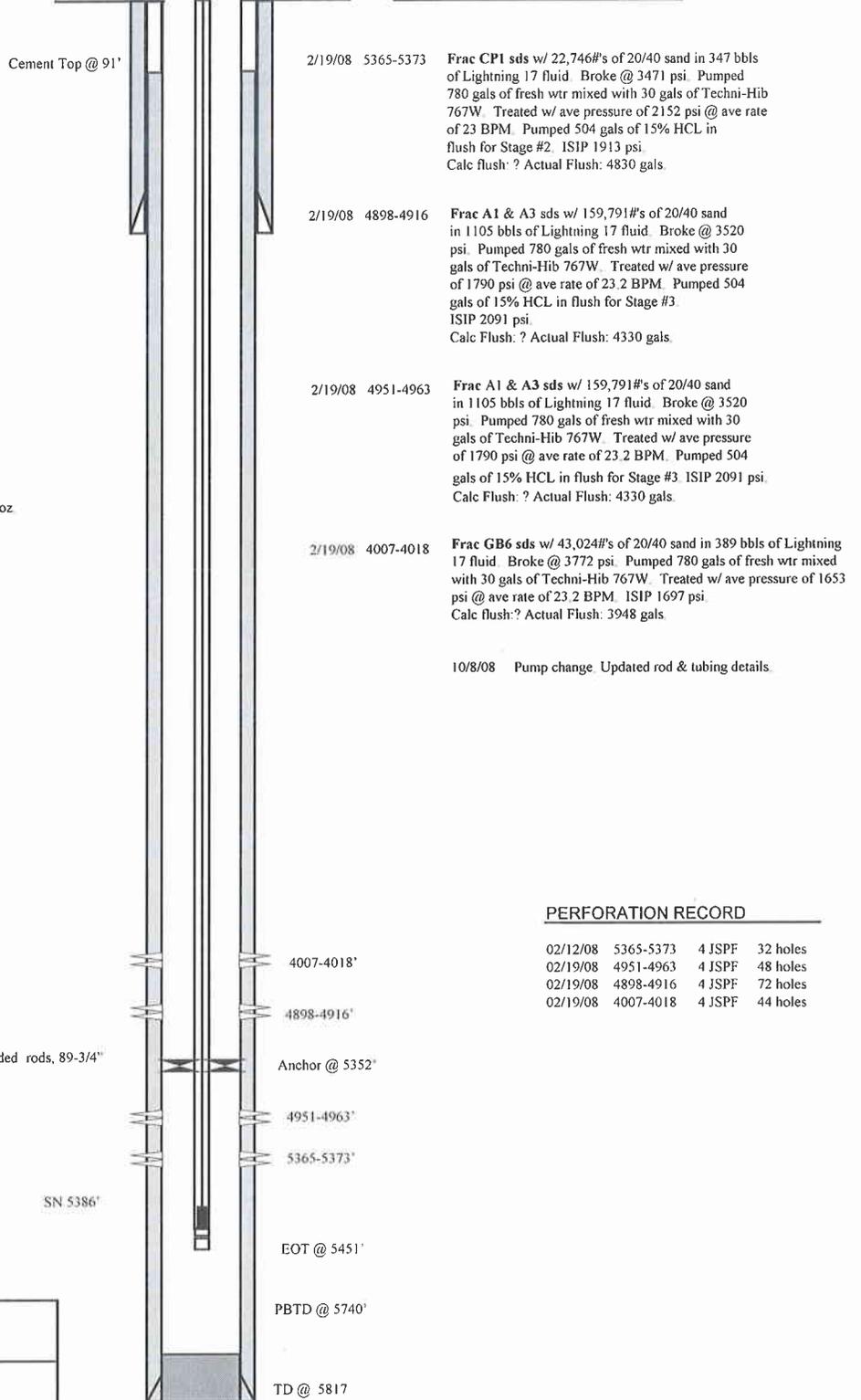
#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 170 jts (5340 76')  
 TUBING ANCHOR: 5352.76' KB  
 NO. OF JOINTS: 1 jt (31.34')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5386.90' KB  
 NO. OF JOINTS: 2 jts (62.82')  
 TOTAL STRING LENGTH: EOT @ 5451.27' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods  
 SUCKER RODS: 1-2', 2-8' X 3/4" Pony Rods, 100-3/4" guided rods, 89-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 15' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED: 4.5 SPM

#### FRAC JOB



#### PERFORATION RECORD

Date	Depth Range	ISPF	Holes
02/12/08	5365-5373	4 ISPF	32 holes
02/19/08	4951-4963	4 ISPF	48 holes
02/19/08	4898-4916	4 ISPF	72 holes
02/19/08	4007-4018	4 ISPF	44 holes

**NEWFIELD**

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**FEDERAL 1-23-9-16**

632' FNL & 472' FEL

NE/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33002; Lease # U-15855

# Monument Butte Federal #1-33-9-16

Spud Date: 4/27/83  
 Put on production: 6/16/83  
 Put on Injection: 8/18/94  
 GL: 5417' KB: 5437'

Initial Production: 110 BOPD,  
 50 MCFD, 0 BWPD

Injection Diagram

**SURFACE CASING**

SIZE: 8 5/8" / K-55 / 24#  
 LENGTH: 7 jts @ 284'  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 225 sxs, Class G, Cemented to Surface

**PRODUCTION CASING**

SIZE: 5 1/2" / J-55 / 15.5#  
 LENGTH: 12 jts (519')  
 SIZE: 5 1/2" / J-55 / 14#  
 LENGTH: 126 jts (5578')  
 DEPTH LANDED: 6120' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 390 sx, BJ Lite + 710 sx, Class G  
 CEMENT TOP AT: 1880' KB from CBL

**TUBING**

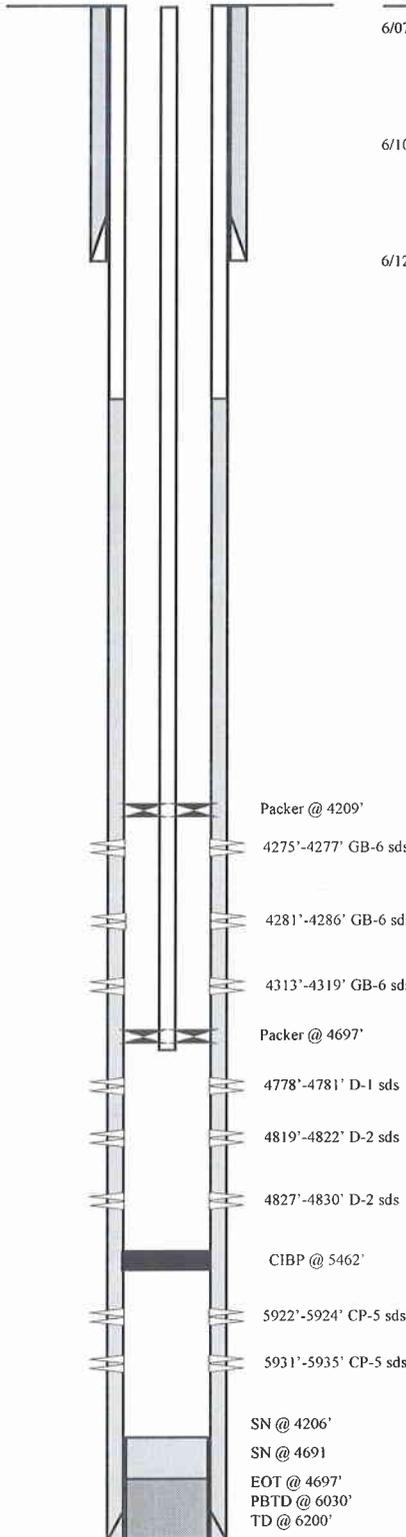
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4205 46')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4206.56 KB  
 CROSSOVER: 2 7/8" x 2 3/8"  
 TUBING PACKER: 4209.66'  
 SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.6#  
 NO. OF JOINTS: 15 jts (4690.19')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4691.29' KB  
 TUBING PACKER: 4697.49'  
 TOTAL STRING LENGTH: EOT @ 4697.49'

**FRAC JOB**

6/07/83 5922'-5935' **Frac zone as follows:**  
 52,000# 20/40 sand in 755 bbls fluid.  
 Treated @ avg press of 2300 psi w/avg  
 rate of 20 BPM. ISIP 2100 psi. Calc.  
 flush: 5922 gal., Actual flush: 6100 gal.

6/10/83 4778'-4830' **Frac zone as follows:**  
 50,000# 20/40 sand in 693 bbls fluid.  
 Treated @ avg press of 1857 psi w/avg  
 rate of 20 BPM. ISIP 2000 psi. Calc.  
 flush: 4778 gal., Actual flush: 5100 gal.

6/12/83 4275'-4319' **Frac zone as follows:**  
 70,000# 20/40 sand in 776 bbls fluid.  
 Treated @ avg press of 2100 psi w/avg  
 rate of 20 BPM. ISIP 2000 psi. Calc.  
 flush: 4275 gal., Actual flush: 4600 gal.



**PERFORATION RECORD**

Date	Depth Range	Hole Type	Hole Count
6/07/83	5931'-5935'	3 JSPF	12 holes
6/07/83	5922'-5924'	3 JSPF	06 holes
6/09/83	4827'-4830'	2 JSPF	06 holes
6/09/83	4819'-4822'	2 JSPF	08 holes
6/09/83	4778'-4781'	2 JSPF	08 holes
6/12/83	4313'-4319'	3 JSPF	18 holes
6/12/83	4281'-4286'	3 JSPF	18 holes
6/12/83	4275'-4277'	3 JSPF	12 holes



**Monument Butte Federal #1-33-9-16**  
 1980 FSL & 1980 FEL  
 NWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30735; Lease #U-52013

# Monument Butte Federal #1-43-9-16

Spud Date: 3/24/83  
 Put on Production: 6/10/98  
 GL: 5404' KB: 5424'

Initial Production: 100 STBOPD,  
 50 MCFD, 0 STBWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8 5/8" / K-55 / 24 lbs  
 LENGTH: 8 jts @ 328'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 348' KB  
 CEMENT DATA 225 sx, Class-G Cement to surface

**PRODUCTION CASING**

CSG SIZE: 5 1/2" / K-55 / 14#  
 LENGTH: 51 jts  
 CSG SIZE: 5 1/2" / K-55 / 15.5#  
 LENGTH: 101 jts  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 6127' KB  
 CEMENT DATA: 400 sx, BJ Lite + 830 sx, Class-G  
 CEMENT TOP AT: 1500' KB from CBL

**TUBING RECORD**

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#  
 NO. OF JOINTS: 176 jts @ 5358.26'  
 TUBING ANCHOR: 5381.06' KB  
 NO. OF JOINTS: 1 jt (31.66')  
 SEATING NIPPLE: 2 7/8" x 1.1'  
 SN LANDED AT: 5413.82' KB  
 MUD ANCHOR: 1 jt (29.52')  
 TOTAL STRING LENGTH: 5443.79' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' polished  
 SUCKER RODS: 6- 1 1/2" weight rods, 15- 3/4" scraper rods, 103 - 3/4" plain rods, 92-3/4" scraper rods, 1- 3/4" plain rod, 1-2', 2-4' x 3/4" pony rods  
 PUMP SIZE: 2-1/2 x 1-1/2 x 17" RHAC  
 STROKE LENGTH: 80"  
 PUMP SPEED, SPM: 6 spm  
 LOGS: Cement Bond, Dual Induction-SFL, Compensated Neutron-Litho Density, Temperature Survey, Electromagnetic Propagation, Volan

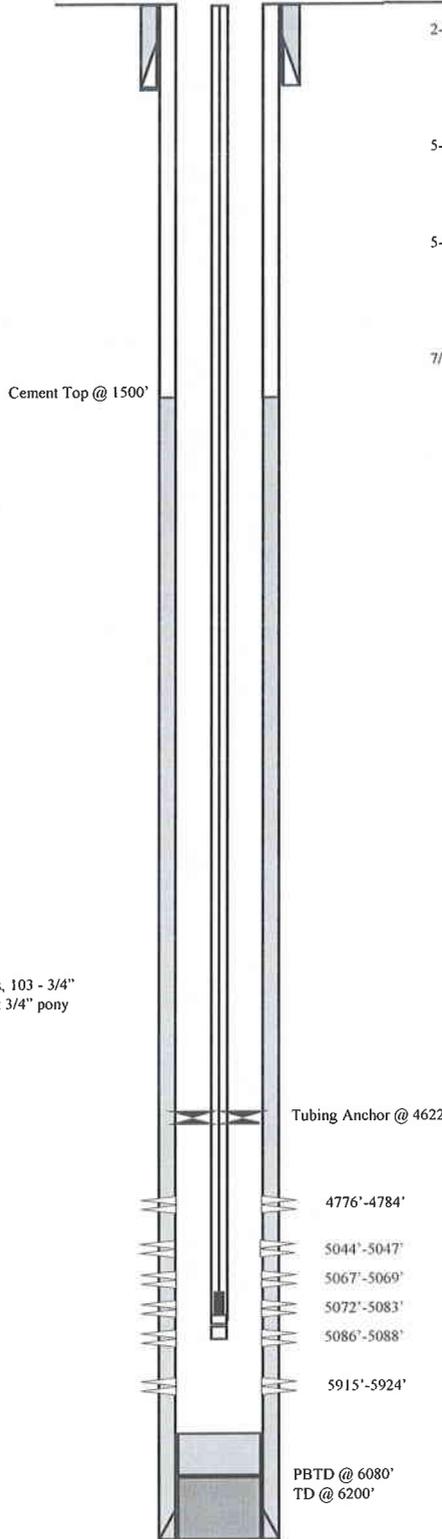
**FRAC JOB**

2-17-94 4776'-4784' Frac w/Western  
 10,038 gal 35# J-4L w/28,520 lbs 16-30 mesh sand, Avg 24 BPM @ 2200 psig, max @ 2750 psig, ISIP @ 2050 psig, 5 min @ 1680 psig, 10 min @ 1540 psig, 15 min @ 1410 psig

5-26-83 5044'-5088' Frac w/Halliburton  
 39,400 gal Gel w/104,000 lbs 20-40 mesh sand, avg 15 BPM @ 2150 psig, max @ 2270 psig, ISIP @ 2900 psig, 15 min @ 1740 psig

5-28-83 5915'-5924' Frac w/Halliburton  
 57,300 gal Gel w/155,000 lbs 20-40 mesh sand, avg 35 BPM @ 1980 psig, max @ 2240 psig, ISIP @ 2010 psig, 5 min @ 1900 psig, 10 min @ 1810 psig, 15 min @ 1760 psig

7/03/02 Pump change Update rod and tubing details



**PERFORATION RECORD**

4776'-4784' (8') 4 SPF (2-17-94) Red1  
 5044'-5047' (3') 2 SPF Green1  
 5067'-5069' (2') 2 SPF Green1  
 5072'-5083' (11') 2 SPF Green1  
 5086'-5088' (2') 2 SPF Green1  
 5915'-5924' (9') 3 SPF Blue



**Monument Butte Federal #1-43-9-16**  
 1980 FSL & 660 FEL  
 NESE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30734; Lease #U-52013

Federal 1-24-9-16

Spud Date: 10-10-07  
 Put on Production: 11-5-07  
 GL: 5535' KB: 5547'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.69')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

**PRODUCTION CASING**

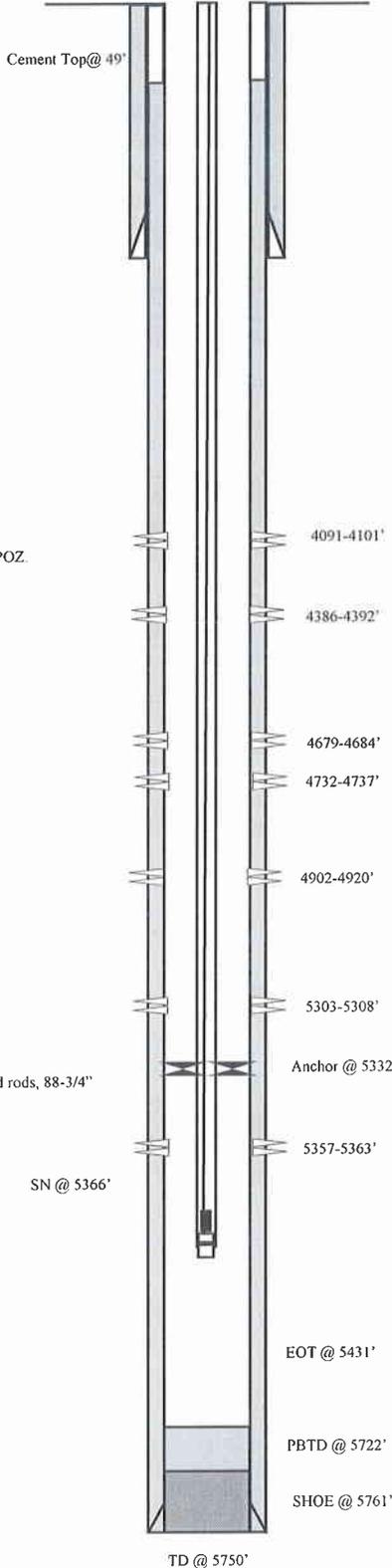
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148jts. (55748.15')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 5761.4'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 49'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts (5319.90')  
 TUBING ANCHOR: 5331.90'  
 NO. OF JOINTS: 1 jts (31.54')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5366.24' KB  
 NO. OF JOINTS: 2 jts (62.96')  
 TOTAL STRING LENGTH: EOT @ 5430.75' w/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-8', 1-6', 1-2' x 3/4" ponies, 99-3/4" scraped rods, 88-3/4" plain rods, 20-3/4" scraped rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14.5"  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5



**FRAC JOB**

10-31-07	5303-5363'	<b>Frac CP 1&amp;2 sands as follows:</b> Frac with 14554# 20/40 sand in 285 bbls Lightning 17 fluid. Treat at 2420 psi @ 24.8 BPM. ISIP 2020 psi.
10-31-07	4902-4920'	<b>Frac A3 sands as follows:</b> Frac with 89906# 20/40 sand in 691 bbls Lightning 17 fluid. Treat at 2070psi @ 24.8 BPM. ISIP 1785psi.
10-31-07	4386-4392'	<b>Frac DS3 sands as follows:</b> Frac with 25051# 20/40 sand in 339 bbls Lightning 17 fluid. Treat at 21300psi @ 24.8 BPM. ISIP 1920 psi.
10-31-07	4091-4101'	<b>Frac PB8 sand as follows:</b> Frac with 62099# 20/40 sand in 499 bbls Lightning 17 fluid. Treat at 2028 psi @ 24.8 BPM. ISIP 2110 psi.

**PERFORATION RECORD**

4091-4101'	4 JSPF	40 holes
4386-4392'	4 JSPF	24 holes
4679-4684'	4 JSPF	20 holes
4732-4737'	4 JSPF	20 holes
4902-4920'	4 JSPF	72 holes
5303-5308'	4 JSPF	20 holes
5357-5363'	4 JSPF	24 holes

**NEWFIELD**

**Federal 1-24-9-16**  
 537' FNL & 671' FEL  
 NENE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33082; Lease #UTU-15855

# Monument Butte #1-34

Spud Date: 3/27/83  
 Put on Production: 6/13/83  
 GL: 5449' KB: 5459'

Initial Production: 65 STBOPD,  
 35 MCFD, 0 STBWPD

Wellbore Diagram

**SURFACE CASING**

SIZE: 8 5/8" / K-55 / 24 lbs  
 LENGTH: 7 jts @ 290'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 300' KB  
 CEMENT DATA: 225 sx Class "G" cement to surface

**PRODUCTION CASING**

SIZE: 5 1/2" / J-55 / 15.5 lbs  
 LENGTH: 0' - 600'  
 SIZE: 5 1/2" / J-55 / 14 lbs  
 LENGTH: 600' - 6170'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 6170' KB  
 CEMENT DATA: 300 sx BJ Lite & 760 sx Class G  
 CEMENT TOP AT: 1720' from CBL

**TUBING RECORD**

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs  
 NO. OF JOINTS: 148 jts (4681')  
 TUBING ANCHOR: 4694'  
 NO. OF JOINTS: 39 jts (1232')  
 SEATING NIPPLE: 2 7/8" (1 10')  
 SN LANDED AT: 5926' KB  
 PERF. SUB: 4 0'  
 TOTAL STRING LANDED: EOT @ 5960'

**SUCKER RODS**

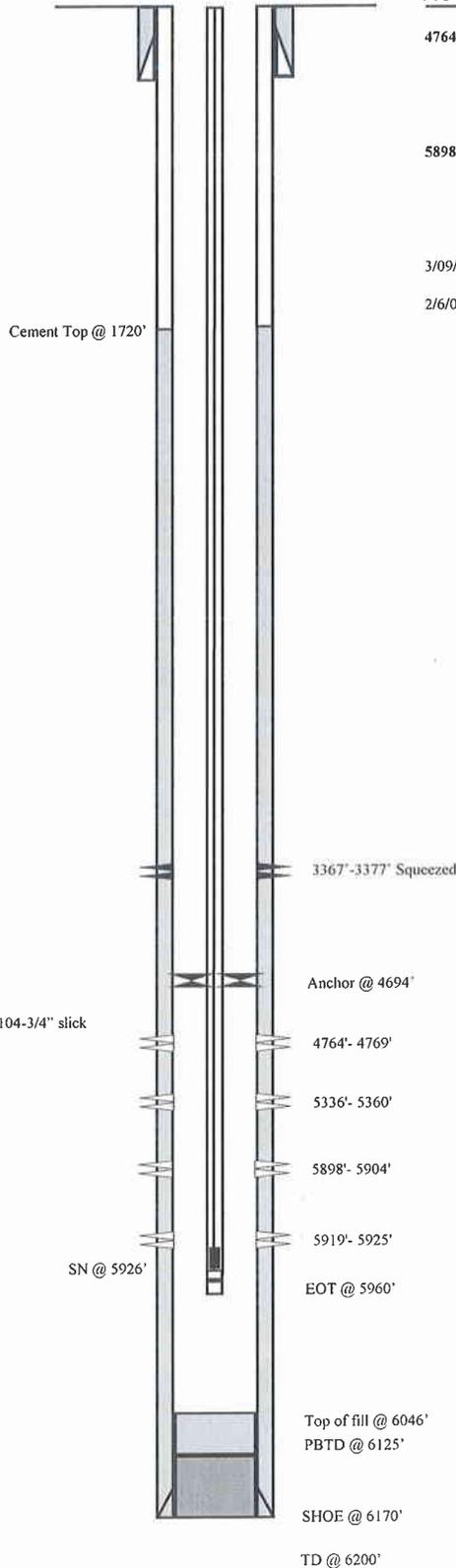
POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight bars; 35-3/4" scraper rods, 104-3/4" slick rods, 90-3/4" scraper rods, 2-2", 1-8" x 3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/SP/GR/CAL

**FRAC JOB**

4764'- 4769', **Frac w/Halliburton on 6/5/83.**  
 32500 gal X-Link Gel w/86000 lbs 20-40 mesh sand. Avg. 15 BPM @ 2120 psig, max @ 2430 psig, ISIP @ 2260 psig, 15 min @ 2040 psig. 5336'- 5360' **Zone not fraced.**

5898'- 5925', **Frac w/Halliburton on 4/23/83.**  
 57000 gal Versagel w/147000 lbs 20-40 mesh sand. Avg. 15 BPM @ 2027 psig, max @ 2470 psig, ISIP @ 2260 psig, 5 min @ 2110 psig, 10 min @ 2040 psig, 15 min 1980 psig.

3/09/02 Rod job. Update rod and tubing details.  
 2/6/04 Pump change. Update rod details.



**PERFORATION RECORD**

3367'- 3377' (10') 2 SPF Squeezed 6/11/83  
 4764'- 4769' (5') 3 SPF  
 5336'- 5360' (14') 2 SPF  
 5898'- 5904' (6') 2 SPF  
 5919'- 5925' (6') 2 SPF



**Monument Butte #1-34**  
 710 FSL & 1980 FEL  
 SWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30736; Lease #U-52013

# Monument Butte Federal #1-23-9-16

Spud Date: 3/19/82  
 Put on Projection: 12/6/82  
 GL: 5432' KB: 5442'

Initial Production: 156 STBOPD,  
 100 MCFD, 0 STBWPD

Wellbore Diagram

## SURFACE CASING

SIZE: 8 5/8" / J-55 / 24#  
 LENGTH: 6 jts (243')  
 DEPTH LANDED: 256'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150 sx, Class "G". Cement to surface

## PRODUCTION CASING

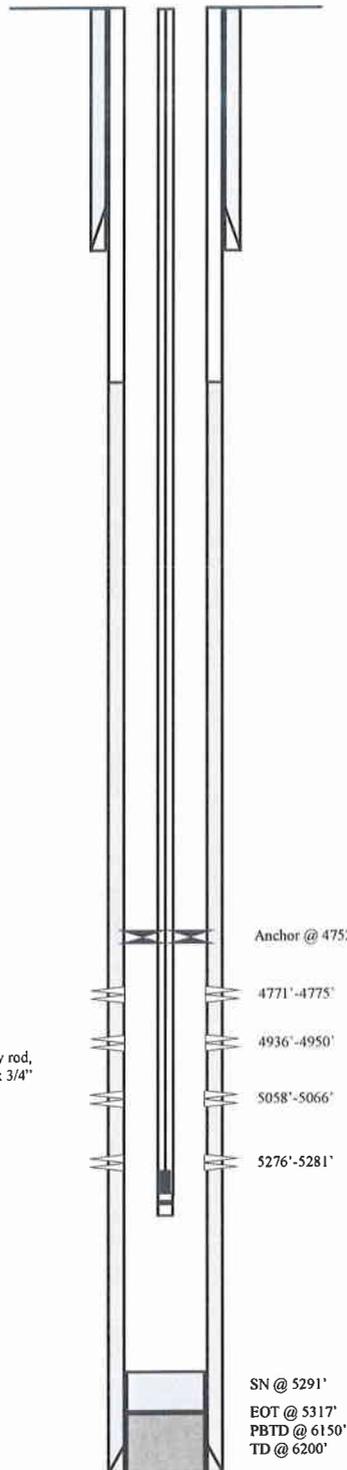
SIZE: 5 1/2" / J-55 / 15.5#  
 LENGTH: 15 jts (633')  
 SIZE 5 1/2" / J-55 / 14#  
 LENGTH: 139 jts (5580')  
 DEPTH LANDED: 6200' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 365 sx, BJ Lite & 625 sx, Class G  
 CEMENT TOP AT: 1890' from CBL

## TUBING RECORD

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 144 jts (4748')  
 TUBING ANCHOR: 4752'  
 NO OF JOINTS: 16 jts (528')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5291' KB  
 NO OF JOINTS: 1 jts Perf Sub (3')  
 NO OF JOINTS: 1 jts Mud Anchor (33')  
 TOTAL STRING LENGTH: EOT @ 5317'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-1" x 2' pony rod, 4-1 1/2" weight bars, 1-1" x 2' pony rod,  
 4-3/4" scraper rods, 176-3/4" slick rods, 25-3/4" scraper rods, 1-4', 1-6' x 3/4"  
 pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 75"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: Dual Induction-SFL, Cement Bond Log,  
 Compensated Neutron-Formation Density Log



## FRAC JOB

11/15/82 5058'-5281' **Frac sand as follows:**  
 84,000# 20/40 sand in 908 bbls fluid  
 Treated @ avg press of 2850 psi w/avg  
 rate of 30 BPM ISIP 2150 psi. Calc  
 flush: 5058 gal, Actual flush: 5160 gal

11/23/82 4771'-4950' **Frac sand as follows:**  
 92,000# 20/40 sand in 973 bbls fluid  
 Treated @ avg press of 2348 psi w/avg  
 rate of 30 BPM ISIP 1940 psi. Calc  
 flush: 4771 gal, Actual flush: 4900 gal

5/31/00  
 Pump change Update rod and tubing details

## PERFORATION RECORD

Date	Interval	SPF	Holes
11/11/82	5276'-5281'	1	07
11/11/82	5058'-5066'	1	08
11/22/82	4936'-4950'	1	15
11/22/82	4771'-4775'	1	05



**Monument Butte Federal #1-23-9-16**  
 1980 FSL & 1980 FWL  
 NWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30646; Lease #U-18399



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **Mon Fed 32-1J-9-16**  
Sample Point: **tank**  
Sample Date: **11/20/2009**  
Sales Rep: **Randy Huber**  
Lab Tech: **Peter Poulsen**

Sample ID: **WA-33990**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/20/2009	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	100	Calcium (Ca):	40.00	Chloride (Cl):	4000.00
Sample Pressure (psig):	0	Magnesium (Mg):	-	Sulfate (SO <sub>4</sub> ):	5.00
Specific Gravity (g/cm <sup>3</sup> ):	1.0060	Barium (Ba):	4.00	Dissolved CO <sub>2</sub> :	-
pH:	7.8	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	1147.00
Turbidity (NTU):	-	Sodium (Na):	2963.00	Carbonate (CO <sub>3</sub> ):	-
Calculated T.D.S. (mg/L)	8159	Potassium (K):	-	H <sub>2</sub> S:	-
Molar Conductivity (µS/cm):	12362	Iron (Fe):	0.12	Phosphate (PO <sub>4</sub> ):	-
Resitivity (Mohm):	0.8089	Manganese (Mn):	0.08	Silica (SiO <sub>2</sub> ):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
		Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub> psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100	0	4.12	9.95	0.00	-2207.50	0.00	-2330.90	-	-	0.60	-2.48	0.48
80	0	3.06	7.29	0.00	-17.36	0.00	-2481.20	-	-	0.90	-0.44	0.23
100	0	4.12	9.95	0.00	-13.39	0.00	-2330.90	-	-	0.60	-2.48	0.29
120	0	5.19	12.33	0.00	-10.35	0.00	-2111.00	-	-	0.40	-4.85	0.32
140	0	6.27	14.64	0.00	-7.97	0.00	-1852.80	-	-	0.28	-7.57	0.36
160	0	7.30	16.80	0.00	-6.16	0.00	-1582.80	-	-	0.20	-10.66	0.40
180	0	8.21	18.66	0.00	-4.81	0.00	-1320.90	-	-	0.14	-14.15	0.44
200	0	8.93	20.05	0.00	-3.83	0.00	-1080.00	-	-	0.10	-18.09	0.45
220	2.51	9.37	21.00	0.00	-3.17	0.00	-876.32	-	-	0.07	-22.83	0.45
240	10.3	9.63	21.18	0.00	-2.70	0.00	-693.11	-	-	0.05	-27.89	0.46
260	20.76	9.67	20.74	0.00	-2.38	0.00	-539.84	-	-	0.04	-33.57	0.46
280	34.54	9.50	19.78	0.00	-2.18	0.00	-414.28	-	-	0.03	-39.94	0.47
300	52.34	9.16	18.41	0.00	-2.07	0.00	-313.13	-	-	0.02	-47.12	0.48

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate Scaling Index is negative from 80°F to 300°F

**Notes:**



**Multi-Chem Group, LLC**

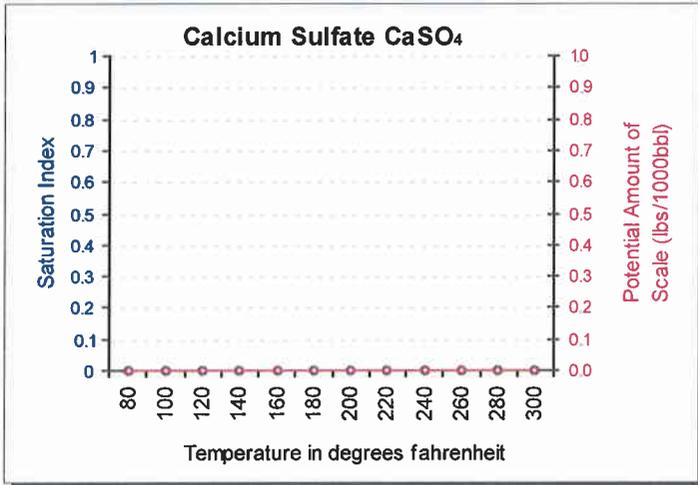
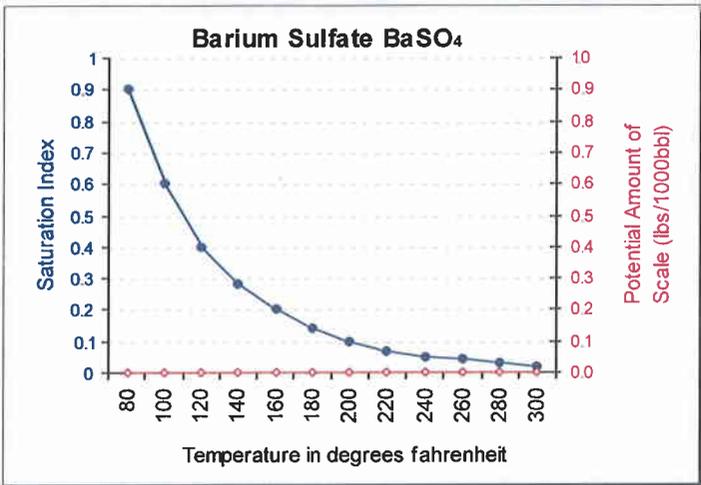
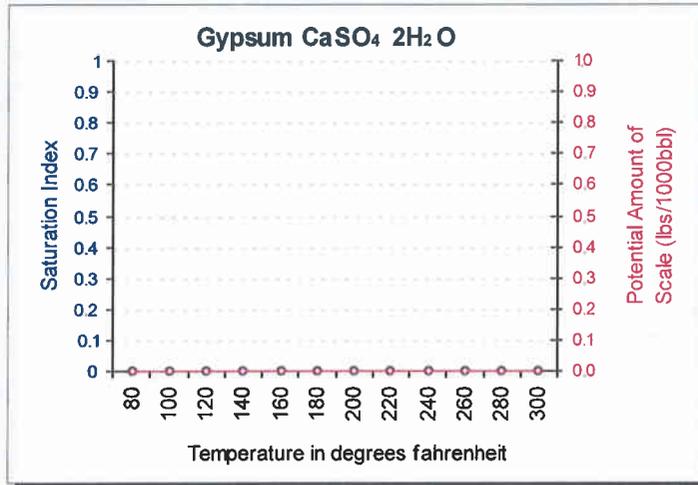
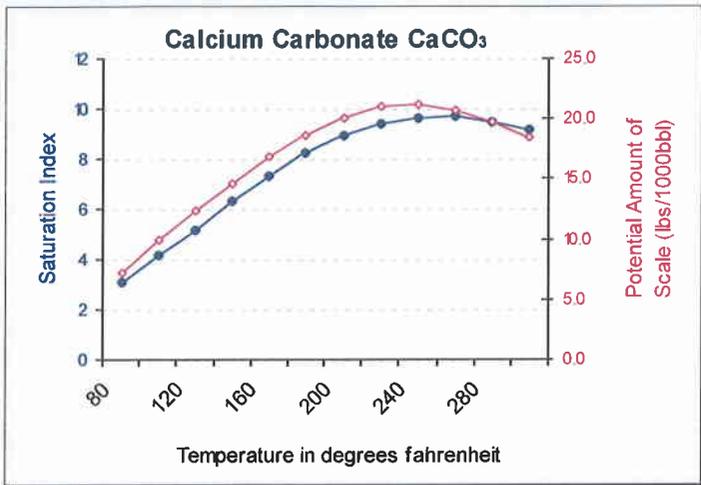
Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

multi-chem®

Scale Prediction Graphs

Well Name: **Mon Fed 32-1J-9-16**

Sample ID: **WA-33990**



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laborator  
1553 East Highway 40  
Vernal, UT 84078

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **JONAH INJ**  
Sample Point: **Before Filters**  
Sample Date: **1 /1 /2010**  
Sales Rep: **Randy Huber**  
Lab Tech: **John Keel**

Sample ID: **WA-35263**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/5/2010	<b>Cations</b>		<b>Anions</b>	
Temperature (°F):	90		mg/L		mg/L
Sample Pressure (psig):	0	Calcium (Ca):	80.00	Chloride (Cl):	4000.00
Specific Gravity (g/cm³):	1.0050	Magnesium (Mg):	48.80	Sulfate (SO₄):	323.00
pH:	8.5	Barium (Ba):	34.00	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	658.00
Calculated T.D.S. (mg/L):	7933	Sodium (Na):	2785.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	12020	Potassium (K):	-	H₂S:	2.00
Resitivity (Mohm):	0.8319	Iron (Fe):	2.08	Phosphate (PO₄):	-
		Manganese (Mn):	0.57	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
90	0	17.10	29.28	0.02	-1942.70	0.01	-2189.80	-	-	375.54	57.61	0.05
80	0	14.76	26.59	0.02	20.45	0.01	-2253.30	-	-	464.73	57.64	0.02
100	0	19.38	31.61	0.02	25.38	0.01	-2104.60	-	-	305.28	57.57	0.03
120	0	23.68	35.30	0.02	28.95	0.02	-1885.50	-	-	205.05	57.47	0.03
140	0	27.54	37.86	0.03	31.43	0.02	-1627.30	-	-	140.63	57.32	0.04
160	0	30.47	38.83	0.03	32.45	0.03	-1356.90	-	-	98.20	57.12	0.04
180	0	32.13	38.01	0.03	31.89	0.04	-1094.20	-	-	69.69	56.85	0.05
200	0	32.40	35.56	0.04	29.90	0.06	-852.40	-	-	50.15	56.48	0.05
220	2.51	31.15	32.24	0.04	27.14	0.08	-647.23	-	-	35.89	55.95	0.05
240	10.3	29.15	28.12	0.04	23.67	0.13	-463.09	-	-	26.37	55.26	0.05
260	20.76	26.54	24.01	0.05	20.19	0.21	-308.95	-	-	19.58	54.36	0.05
280	34.54	23.61	20.22	0.05	16.96	0.35	-182.65	-	-	14.67	53.18	0.05
300	52.34	20.61	16.94	0.05	14.12	0.58	-81.18	-	-	11.07	51.64	0.05

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temperatures from 80°F to 300°F

**Notes:**



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory

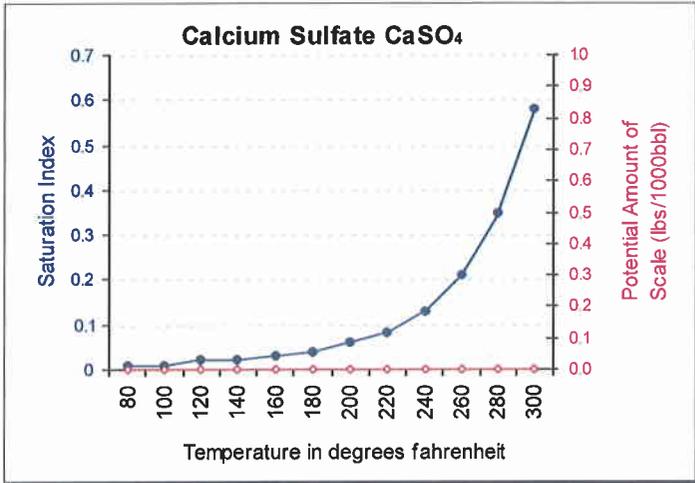
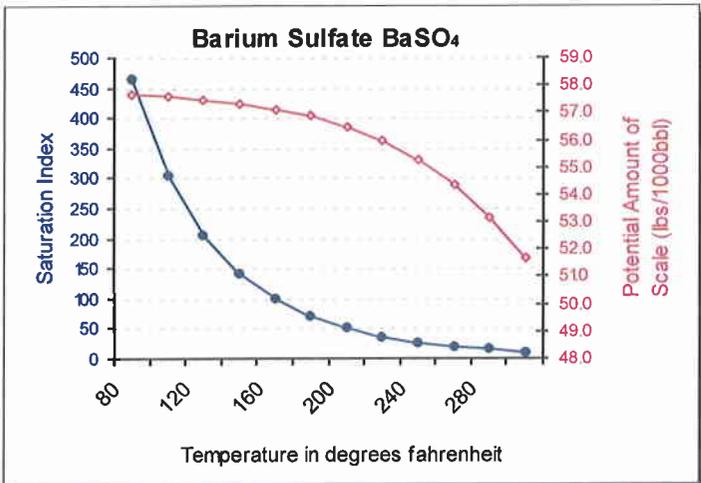
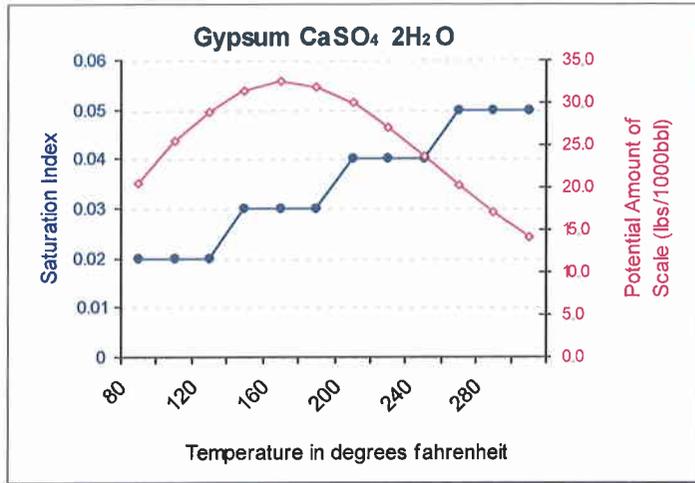
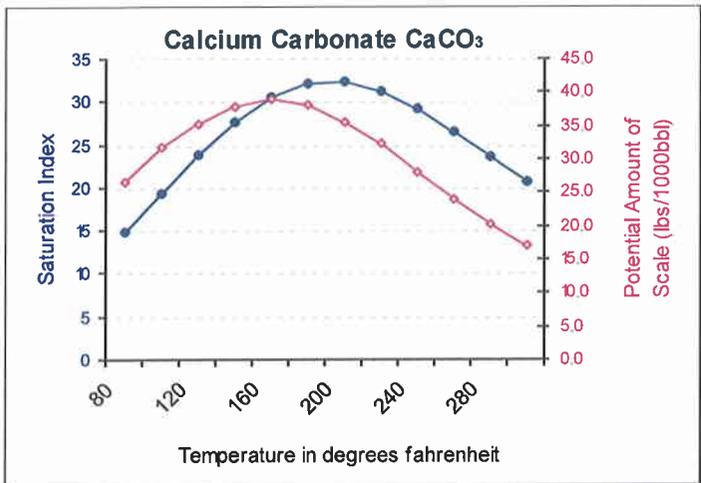
1553 East Highway 40

Vernal, UT 84078

Scale Prediction Graphs

Well Name: **JONAH INJ**

Sample ID: **WA-35263**



**Attachment "G"**

**Monument Federal #32-1J-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5276	5288	5282	2250	0.86	2216
4786	4946	4866	2200	0.89	2169
4474	4501	4488	2400	0.97	2371
4222	4297	4260	2180	0.95	2153 ←
				<b>Minimum</b>	<u><u>2169</u></u>

Calculation of Maximum Surface Injection Pressure  

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf})) / \text{Top Perf}.$$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

SEP- 8-94 THU 22:03

P. 02



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-3-94

Wellname Monument Fed, 32-1J Sec. 1 Twn. 9 S Rng. 16 E

Field Monument Butte County Duchesne State Utah

Total Depth \_\_\_\_\_ PBD \_\_\_\_\_ KB 10 Elev. GL \_\_\_\_\_

T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3

Perforations / Open Hole: \_\_\_\_\_

Present Operation: New completion

Description of Operations: \_\_\_\_\_

1230 M/RH Cannon well Service Rig # 2

NU 5M well head

NU BOP

TIH w/4 3/4" BIT + ~~drilled~~ casing column to 1500'

1800 SWIFN

DAILY COSTS:

Completion Rig	\$ 647	Chemicals	\$	Packer	\$
BOP Rental	\$ 125	Transportation	\$ 529	Wellhead Equip	\$
H. of Oiler	\$	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 90	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$ 2390	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Control Panel	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Dully Total:	\$ 5039	Dirtwork # 348	\$	Rig # 250	\$
Cumulative Cost:	\$				

Operations Supervisor: D. O. [Signature]

SEP- 9-94 FRI 20:10

P.01



**EQUITABLE SOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-9-94

Wellname Monument Red, 32-15 Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. G. 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG; Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5276-88 4 SPF  
 Present Operation: Flow Completion

Description of Operations:

0700 Continue in hole with bit + scraper.  
Log PBD AT 5743' KB.  
Circulate hole clean w/126 BBL, 2% KCL WATER.  
Tool w/ TBC, + TOOLS.  
R U SCHLUMBERGER + RUN CBL FROM ~~200~~ PBD TO 200'  
ABOVE CEMENT TOP.  
CEMENT TOP AT 1882' KB  
R U SCHLUMBERGER + PERF. 5276-88' KB, 4 SPF.  
R D " "  
TIH w/ 1-RBP 2 3/8 X 5 1/2, 1- 3/8 X 6' SUB, 1- 2 3/8 X 5 1/2 HD PER, 1- SET  
NIPPLE & 169 JTS, 2 3/8 TBC,  
SET BP AT 5329' KB  
PULL UP & SET PKR. AT 5218' KB, EOT AT 5232' KB.

1700 SWIFN

DAILY COSTS:

Completion Rig	\$ 1440	Chemicals	\$	Packer	\$
BCP Rental	\$ 225	Transportation	\$	Wellhead Equip	\$
Fluid Oiler	\$	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 90	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Lcg / Perforate	\$ 4534	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total	\$ 6249				
Cumulative Cost	\$				

Operations Supervisor: Dale [Signature]

SEP-11-94 SUN 22:01

P.01



**EQUITABLE SOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-10-94

Wellname Monument Fed. 32-1WJ Sec. 1 Twn. 9S Rng. 16E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. Gl. 5397  
 TBG: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5276-88

Present Operation: New Completion

Description of Operations: Est. 0 PSI, TBG, 0 PSI  
0700 B U western to do KCL Break Down on 5276-88  
Refer to treatment report.

R D western

TOPH W/TBG. 7 PRR.

B U western to SAND FRAC 5276-88  
Refer to treatment report.

0920 START FRAC

1530 SWIFD

LOAD TO RECOVER 409 BOW

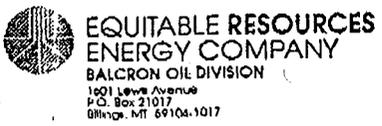
DAILY COSTS:

Completion Rig	\$ 521	Chemicals	\$	Packer	\$
BCP Rental	\$ 125	Transportation	\$	Wellhead Equipment	\$
Hot Oil	\$	Tank Rental	\$ 60	Valves	\$
Equipment Rental	\$ 40	Tubing	\$	Treater/Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Control	\$
Stimulation	\$ 25503	Downhole Pump	\$	Supplies	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$ 26249				
Cumulative Cost:	\$				

Operator's Signature: Dale W. M.

SEP-11-94 SUN 22:02

P. 03



TREATMENT REPORT

Date of Treatment: 9-10-94  
 Well Name: Monument Fed. 32-1 J SEC. 1 TWN. 9 S RNG. 16 E  
 Field: Monument Route County DuChesne State WV  
 Formation/Perforations: Green River / 5276-88

Treatment type: KCL Break Down Total Number of Holes: 48  
 Treatment Company: Western

Volume	Fluid	Conc.	Sand Characteristics	Volume
Gal.				
Gal.				
Gal.				
Gal.				#

TOTAL FLUID PUMPED: 2394 gal. 2.70 KCL WATER Acid fluid

TOTAL SAND VOL.: 1 lbs. sand  
1 lbs. sand  
1 lbs. sand  
1 lbs. bauxite

Flushed well with 96 gal. of 96 ball sealers were pumped. Was ball action seen? HI HI HI HI HI HI HI  
 Barrels of Load to Recover 57 BJTR. |||| BALL OUT  
 Avg. Treating Pressure = 2600 psl, max = 5000 psl, min = 2800 psl.  
 Avg. Treating Rate = 6.2 bpm, max = 6.3 bpm, min = 6.1 bpm.  
 ISIP = 1300 psl, 5 min. =          psl, 10 min. =          psl, 15 min. =          psl.  
 Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: Pump 4 Balls per BBL.  
INITIAL BREAK AT 2800 PSI AT 2.5 BPM.  
BACK TO 2400 PSI AT 6.2 BPM  
SURGE BALLS OFF, PUMP FOR RATE, 6.4 BPM AT 2500 PSI.

Well site Supervisor: Dale Griffin

SEP-11-94 SUN 22:01

P. 02



TREATMENT REPORT

Date of Treatment: 9-10-94

Well Name Monument Fed. 32-1 J SEC. 1 TWN. 9 S RNG. 16 E  
 Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5276-88

Treatment type: SAND FRAC. Total Number of Holes: 48  
 Treatment Company: WESTERN

Sand Characteristics

Volume	Fluid	Conc.	Size		Volume
Gal.			BPM	PSI	
55 2300	Gal. 2% KCL WATER (PAD)	0	30.0	2700	
23 <del>2900</del>	Gal. "	2 #	30.0	2820	2940 1800 #
25 900	Gal. "	4 #	30.8	2850	294 3100 #
27 1800	Gal. "	5 #	31.0	2850	2940 5000 #
36 1200	Gal. "	6 #	30.8	2870	2940 7200 #
36 1800	Gal. "	6 #	30.8	2810	16130 7200 #
50 1800	Gal. "	7 #	30.8	2240	16130 11200 #
126 5273	Gal. " flush	0	31.0	2310	2370 #
	Gal.				1 #

TOTAL FLUID PUMPED: 14784 ~~357~~ gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: 17,640 lbs. 2940 sand  
20,540 lbs. 16130 sand  
 lbs. 1 sand  
 lbs. 1 bauxite

Flushed well with 5273 gal. of 2% KCL WATER  
 ball sealers were pumped. Was ball action seen?                       
 Barrels of Load to Recover 357 BJTR.

Avg. Treating Pressure = 2550 psl, max = 2870 psl, min = 2200 psl.  
 Avg. Treating Rate = 30.7 bpm, max = 31.2 bpm, min = 30.0 bpm.  
 ISIP = 2250 psl, 5 min. = 2040 psl, 10 min. = 1870 psl, 15 min. = 1830 psl.  
 Well will be shut in for                      hrs. before bringing back fluid. 30 min. = 1710 psl.

REMARKS: FORCED CLOSURE FLOW BACK @ 5 BPM, 30 MIN

.865 FRAC GRADIENT

Well site Supervisor: Dale Stricklin

SEP-12-94 MON 20:33

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**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-12-94

Wellname Monument Fed, 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. GL 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5/8 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5276-88 4 SPF

Present Operation: New Completion

Description of Operations: Cal. 1 PSI.

0700 TW WIRE RETRIEVING TOOL, 1-2 3/8 X 4' SUB, HD PKR., SEAT  
NIPPLE 4 1/8 JTS, 2 7/8 TBB,  
TBB SAND AT 5149' KB.  
CIRCULATE DOWN TO BP AT 5239' KB.  
PULL UP & SET PKR. AT 5218' KB, EOT 5232' KB.

0915 MADE 34 SWBB RUNS. RECOVERED 204 BBL. OF WATER,  
TRACE OF OIL, GOOD GAS.

LOST 5 RUNS, FLUID LEVEL AT 2500', NO SAND.

DAILY COSTS:

Completion Rig	\$ 1580	Chemicals	\$	Packer	\$ 1809
BOP Rental	\$ 125	Transportation	\$	Wellhead Equip	\$
H. I. Oil	\$ 38.5	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Treater/ Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total	\$				
Cumulative Cost	\$				

*(Handwritten signature)*



**EQUITABLE SOURCES**  
**ENERGY COMPANY**  
 BALCRON OIL DIVISION

**DAILY COMPLETION / WORKOVER REPORT**

DATE: 9-13-94

Wellname Monument Fed. 32-15 Sec. 1 Twn. 9 S. Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBDT 5743 KB 10 Elev. GL 5397  
 TBG.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4938-46, 5276-88  
 Present Operation: Flow Completion

Description of Operations: TOG, P5)  
0700 made 15 swf runs, Recovered 90 BBL of fluid,  
100% WATER, TRACE OIL, SOME GAS, NO SAND

~~0700~~ Release pdr., tag sand at 5295' KB, Circulate  
 Down to BP at 5239' KB. Release BP, ROIL BP at  
 5016' KB.  
 TROIL withg & pdr.

Rig up Schlumberger & permate 4786-88 3 SHOTS.  
 4938-46 10 SHOTS.  
 Rig Down Schlumberger.

TTH w/Retrieving lead, 2 3/8 X 4' sub., 1 1/2" D pdr., slot nipple  
 & 156 JTS, 2 1/2" TBG., set pdr. at 4904' KB, EDT 4918' KB.

1300 SWFN.

**LOAD TO RECOVER 115 BBL**

**DAILY COSTS:**

Completion Rig	\$ 1011	Chemicals	\$	Packers	\$
BCP Rental	\$ 12.5	Transportation	\$	Wellhead Equip.	\$
Hot Oil	\$	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 50	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$ 385	Rods	\$	Tanks	\$
Log / Perforate	\$ 12.13	Pony & Pups	\$	Config. Equip.	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$				
Cumulative Cost:	\$				

Operations Supervisor: Dale Griffin

SEP-15-94 THU 6:14

P.01



**EQUITABLE SOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-14-94

Wellname Monument Fed, 32-15 Sec. 1 Tw. 9 S Rng. 16 E  
 Field Monument Butte County Deuel State Utah  
 Total Depth 5800 PBD 5734 KB 10 Elev. G. 5397  
 TBG: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 4788-88, 4938-46, 5276-88

Present Operation: New Completion

Description of Operations: Set PS, BP AT 5016' KB PKR. AT 4904' KB  
0700 R U WESTERN TO DO KCL BREAK DOWN ON 4938-46,  
REFER TO TREATMENT REPORT.

RESET BP AT 4830' KB,  
SET PKR AT 4750' KB; EOT AT 4764' KB

R U WESTERN TO DO KCL BREAK DOWN ON 4768-88  
REFER TO TREATMENT REPORT

RESET BP AT 5016' KB.

TOOK W/TBG, & PKR.

R U WESTERN & SAND FRAC. 4768-88 & 4938-46

1240 SWIFD

LOAD TO RECOVER 90  
115  
200

DAILY COSTS:

Completion Rig	\$ 773	Chemicals	\$	Packers	\$
BCP Rental	\$ 125	Transportation	\$	Wellhead Equip	\$
Fluid Oiler	\$ 278	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Confocal	\$
Stimulation	\$ 21675	Downhole Pump	\$	Super	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$ 22951				
Cumulative Cost:	\$				

Operations Superintendent: Dale Smith

SEP-15-94 THU 6:15

P. 03



TREATMENT REPORT

We Name Monument Fed. 32-15 Date of Treatment: 9-14-94
File Monument Butte County Duchesne State Utah
Formation/Perforations: Green River / 4938-46

Treatment type: KCL BREAK DOWN Total Number of Holes: 10
Treatment Company: WESTERN

Table with columns: Volume, Fluid, Conc., Sand Characteristics (Size, Volume). Multiple rows for fluid volume and sand characteristics.

TOTAL FLUID PUMPED: 1806 gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: lbs. sand, lbs. sand, lbs. sand, lbs. bauxite

Finished well with 20 gal. of ball sealers were pumped. Was ball action seen? YES!!! BALL OUT
Backs of Load to Recover 43 BLTR.

Av. Treating Pressure = 3100 psi, max = 4900 psi, min = 1090 psi.
Av. Treating Rate = 4.2 bpm, max = 7.2 bpm, min = 4.3 bpm.
ISII = 680 psi, 5 min. = psi, 10 min. = psi, 15 min. = psi.
Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: PUMP 2 BALLS PER BBL., 4 BPM
INITIAL BREAK AT 2600 PSI AT 4.0 BPM
BACK TO 1090 PSI AT 4.6 BPM
SURGE BALLS OFF, PUMP FOR RATE, 7.2 BPM AT 2300 PSI

Well site Supervisor: Dana Stratton





TREATMENT REPORT

Date of Treatment : 9-14-94  
Well Name Monument Fed. 32-1 J SEC. 1 TWN. 9 S RNG. 16 E  
Field Monument Butte County Duchesne State Utah  
Formation/Perforations: Green River / 4786-88, 4938-46

Treatment type: SAND FRAC. Total Number of Holes: 13  
Treatment Company: Western

Volume	Fluid	Conc.	Sand Characteristics		Size	Volume
			BPM	PSI		
Gal.						
Gal.						
45 1900 Gal.	2% KCL WATER	PAD, 0	25.0	2530		
19 750 Gal.	"	2 #	27.8	2860	16130	1500 #
21 750 Gal.	"	4 #	29.6	3020	16130	3000 #
23 900 Gal.	"	5 #	29.3	3300	16130	4000 #
61 2000 Gal.	"	6 #	29.5	2900	16130	12000 #
41 1100 Gal.	"	7 #	29.6	2780	16130	6300 #
113 4746 Gal.	"	FLUSH 0	30.0 29.2	2780 3300		#
Gal.					1	#
Gal.					1	#

TOTAL FLUID PUMPED: 2096 gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: 26800 lbs. 16130 sand  
 lbs. 1 sand  
 lbs. 1 sand  
 lbs. 1 bauxite

Flushed well with 4746 gal. of 2% KCL WATER  
 ball sealers were pumped. Was ball action seen?                       
 Barrels of Load to Recover 288 BLTR.

Av. Treating Pressure = 3000 psl, max = 3300 psl, min = 2780 psl.  
 Av. Treating Rate = 29.5 bpm, max = 30.4 bpm, min = 25.0 bpm.  
 ISII = 2200 psl, 5 min. = 1340 psl, 10 min. = 1220 psl, 15 min. = 1140 psl.  
 Well will be shut in for 19 hrs. before bringing back fluid. 30 MIN = 790 PSI

REMARKS: 30 MIN. FORCED CLOSURE

FRAC. GRADIENT .892

Well site Supervisor: Delagis

SEP-15-94 THU 21:02

P.01



DAILY COMPLETION / WORKOVER REPORT

DATE: 9-15-94

Wellname Monument Fed. 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5900 PBDT 5794 KB 10 Elev. GL 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4998-46, 5276-88  
 Present Operation: New Completion

Description of Operations: Cal. 530 PSI.

0700 FLOW BACK 15 BBL. OF OIL

~~REMOVE~~ TIH W/RETRIEVING TOOL, 2 3/8 X 4' SUB, HD PKR, SEAT NIPPLE & 155 JTS, 2 7/8 TBC. TAG SAND AT 4800' KB. CIRCULATE DOWN TO BP AT 5016' KB. PULL UP & SET PKR. AT 4750' KB.

Made 26 surf Runs. Recovered 156 BBL. of fluid. 10 BBL. OIL, 146 BBL. WATER. GOOD GAS. 1-4 RUN 100% WATER. LAST 7 RUNS, 15% oil.

LAST 5 RUNS, FLUID LEVEL 2500'

1630 SWIFD

DAILY COSTS:

Completion Rig	\$ 1543	Chemicals	\$	Packers	\$
BCP Rental	\$ 125	Transportation	\$	Wellhead Equip	\$
Hot Oil	\$	Tank Rental	\$ 90	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$ 125
Daily Total:	\$				
Cumulative Cost:	\$				

*Dallas*

SEP-18-94 SUN 22:38

P. 01



**EQUITABLE RESOURCES ENERGY COMPANY**  
BALCRON OIL DIVISION

**DAILY COMPLETION / WORKOVER REPORT**

DATE: 9-16-94

Wellname Monument Fed. 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Belle County Quake State Utah  
 Total Depth 5800 PBDT 5734 KB 10 Elev. GI. 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4938-46, 5276-88  
 Present Operation: \_\_\_\_\_

Description of Operations: Cap. 0 PSI, TBC 65 PSI, FLUID LEVEL 1200'  
0700 Made 1 sweet run, 80% oil, .4 BBL. oil, 1 BBL. water.

RELEASE PKR, TAG SAND AT 4956' KB., CIRCULATE DOWN TO BP AT 5616' KB. RELEASE BP, TOOH W/TBC & TOOLS. TIH W/TBC. PRODUCTION STRING.

1-JT, 2 7/8 EUE J-55 B&D, 6.5 #	30.66	5353.86
1-PERF. SUB 2 7/8 X 4'	4.20	5323.20
1-SEAT NIPPLE	1.10	5319.00
18-JTS, 2 7/8 EUE J-55 B&D, 6.5 #	562.17	5317.90
1-TBC ANCHOR 2 7/8 X 5 1/2 (TRICO)	2.35	4755.73
151-JTS, 2 7/8 EUE J-55 B&D, 6.5 #	4743.38	4753.38
	KB	10.00

N/D BOB, N/D 5M WELL HEAD, N/D 3M WELL HEAD. SET TBC ANCHOR W/20" TENSION.

TIH W/ROD PRODUCTION STRING.  
1-BHP 2 1/2" X 1 1/2" X 16' BIVAC W/PA PLUNGER, (TRICO #077)  
212-34" X 25' D-61 SLICK  
1-POLISH ROD 1 1/4" X 22' 5M

HANG WELL ON, PRESS TEST BHP & TBC TO 1000 PSI, OK.

2000 B.D. MOVE OFF.

**DAILY COSTS:**

Completion Rig	\$ 1818	Chemicals	\$	Packers	\$
BOP Rental	\$ 125	Transportation	\$ 221	Wellhead Equip	\$ 1764
Fluid Oiler	\$ 257	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Tractor / Separator	\$
Completion Fluid	\$	Rods	\$ 3657	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$ 67	Compressor	\$
Stimulation	\$	Downhole Pump	\$ 971	Super	\$
Cementing	\$	(TA) MA (SN)	\$ 697	Miscellaneous	\$
Daily Total:	\$ 4617				
Cumulative Cost:	\$				

Operator's Signature: E. D. Strull

SEP-25-94 SUN 22:36

P. 05



**EQUITABLE ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-23-94

Wellname Monument fld, 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBD 5734 KB 10 Elev. Gl. 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4938-46, 5276-88  
 Present Operation: New Completion

Description of Operations:

1245 START WELL PUMPING  
4:05 PM  
74" STROKE

PUMPING UNIT (CM)  
S/N 507-54202  
SIZE 160-200-74

ENGINE (ATA)  
S/N 74311  
SIZE 74 X 6 EA-30

TANKS: BSB  
SIZE 12X20 400 BBL. VERT.  
S/N 233-T2  
S/N 1166-T2

Pumper: Joe Tru

DAILY COSTS:

Completion Rig	\$	Chemicals	\$	Packers	\$
BCP Rental	\$	Transportation	\$	Wellhead Equip.	\$
Hit Oiler	\$	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Centrifugal	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total	\$				
Cumulative Cost	\$				

Operations Supervisor: Dale Smith

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4172'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 148' balance plug using 17 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Perforate 4 JSPF @ 1588'
5. Plug #3 120' plug covering Uinta/Green River formation using 25 sx Class "G" cement pumped below CICR and out perforations. Follow using 7 sx Class "G" cement pumped on top of CICR
6. Perforate 4 JSPF @ 402'
7. Plug #4 Circulate 113 sx Class "G" cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

The approximate cost to plug and abandon this well is \$59,344.

# Monument Federal #32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

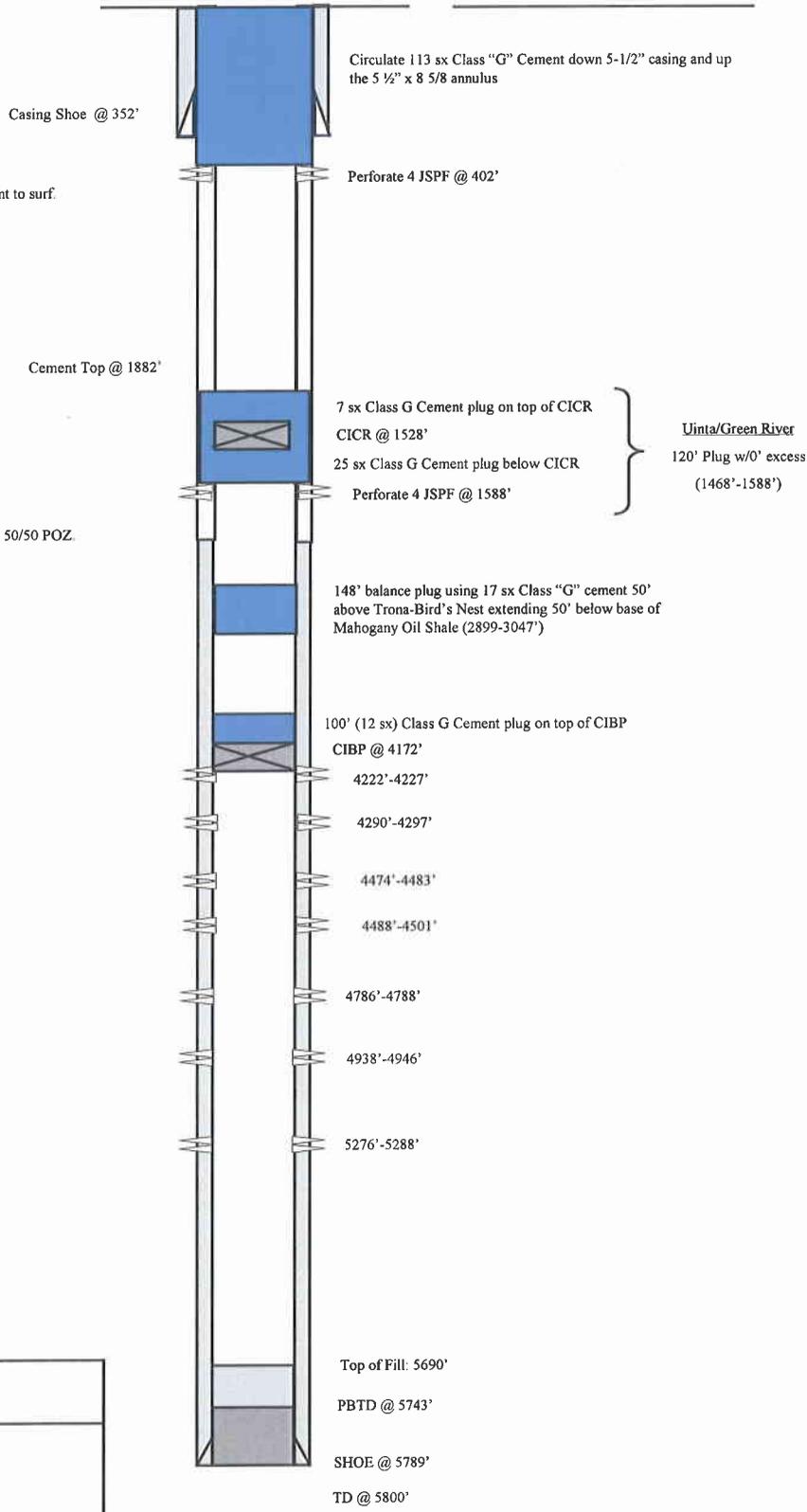
Proposed P&A  
 Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (353.65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL



**NEWFIELD**

---

**Monument Federal #32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

3a. Address    Route 3 Box 3630  
                   Myton, UT 84052

3b. Phone    (include are code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 2143 FNL 1987 FEL  
 SWNE Section 1 T9S R16E

5. Lease Serial No.  
 USA UTU-33992

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 GMBU

8. Well Name and No.  
 MONUMENT FED 32-1J

9. API Well No.  
 4301331414

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

11. County or Parish, State  
 DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Eric Sundberg	Title Regulatory Analyst
Signature 	Date 03/04/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. Federal #U-33992	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name n/a	
1b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. Unit Agreement Name Jonah Unit	
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division			8. Farm or Lease Name Balcron Monument Federal	
3. Address of Operator P.O. Box 21017; Billings, MT 59104			9. Well No. #32-1J	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2143' DNL, 1987' FEL At proposed prod. zone			10. Field and Pool, or Wildcat Monument Butte/Green River	
14. Distance in miles and direction from nearest town or post office* Approximately 16 miles SW of Myton, UT			11. Co. Sec., T., R., N., or Bk. and Survey or Area SW NE Sec. 1, T9S, R16E	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drilg. line, if any)		16. No. of acres in lease		17. No. of acres assigned to this well
13. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth <del>5,950</del> 5,950'		20. Rotary or cable tools Rotary
21. Elevations (Show whether DF, RT, GR, etc.) 5398.4' GL			22. Approx. date work will start* Upon APD approval	
23. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached				

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

**CONFIDENTIAL**

RECEIVED

OCT. 22 1993

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge and belief.  
Signed: Bobbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: October 20, 1993

(This space for Federal or State office use)  
API NO. 43-013-31414 Approval Date \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

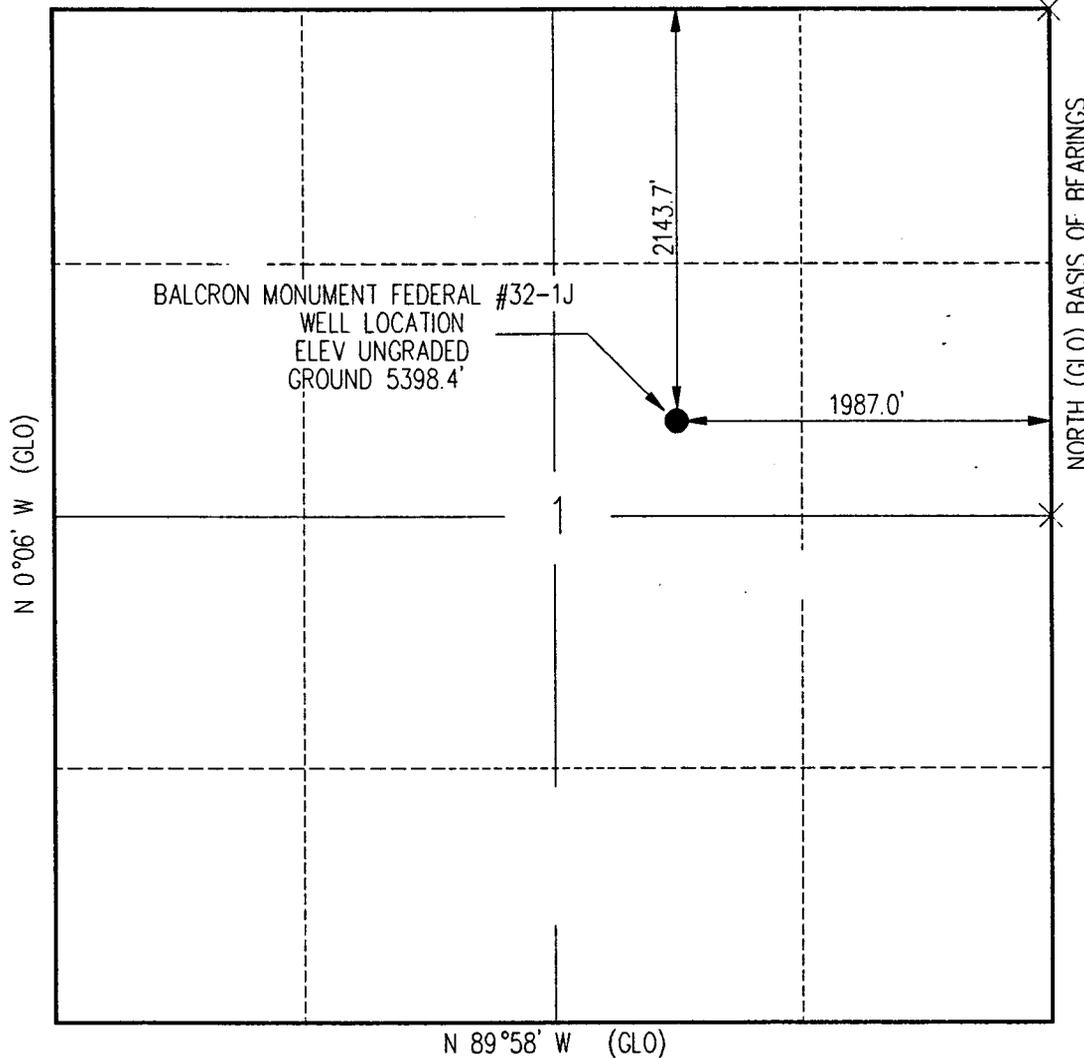
Approved by: \_\_\_\_\_ Title: \_\_\_\_\_ DATE: 11/22/93  
Conditions of approval, if any: \_\_\_\_\_ BY: Matthew  
WELL SPACING: 649-2-3

\*See Instructions On Reverse Side

EXHIBIT "F"

T9S, R16E, S.L.B. & M.

S 89°57' E (GLO)

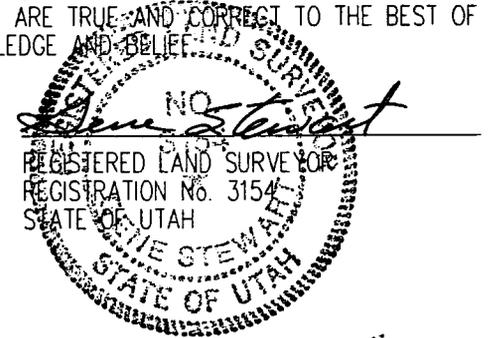


EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #32-1J, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 1, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WEATHER: CLEAR & HOT
DATE: 9/1/93
SCALE: 1" = 1000'
SURVEYED BY: SS DP
FILE: MF 32-1J



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

U-33992

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

Jonah Unit

8. FARM OR LEASE NAME

Balcron Monument Federal

9. WELL NO.

32-1J

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Grn. River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

SW NE Sec. 1, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil

**CONFIDENTIAL**

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

2143' FNL, 1987' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 16 miles SW of Myton, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

~~6,000~~ 5,950'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5398.4' GL

22. APPROX. DATE WORK WILL START\*

Upon APD Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "E" EVIDENCE OF BOND COVERAGE
- "F" SURVEY PLAT

- "G" RIG LAYOUT
- "H" BOPE DIAGRAM
- "I" EXISTING ROADS (Map A)
- "J" PLANNED ACCESS (Map B)
- "K" EXISTING WELLS (Map C)
- "L" CUT & FILL DIAGRAM

**CONFIDENTIAL**

OCT 22 1993

DIVISION OF OIL, GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Robbie Schuman*

Coordinator of Environmental and Regulatory Affairs

DATE

October 20, 1993

(This space for Federal or State office use)

PERMIT NO.

43-013-31414

APPROVAL DATE

APPROVED BY

TITLE

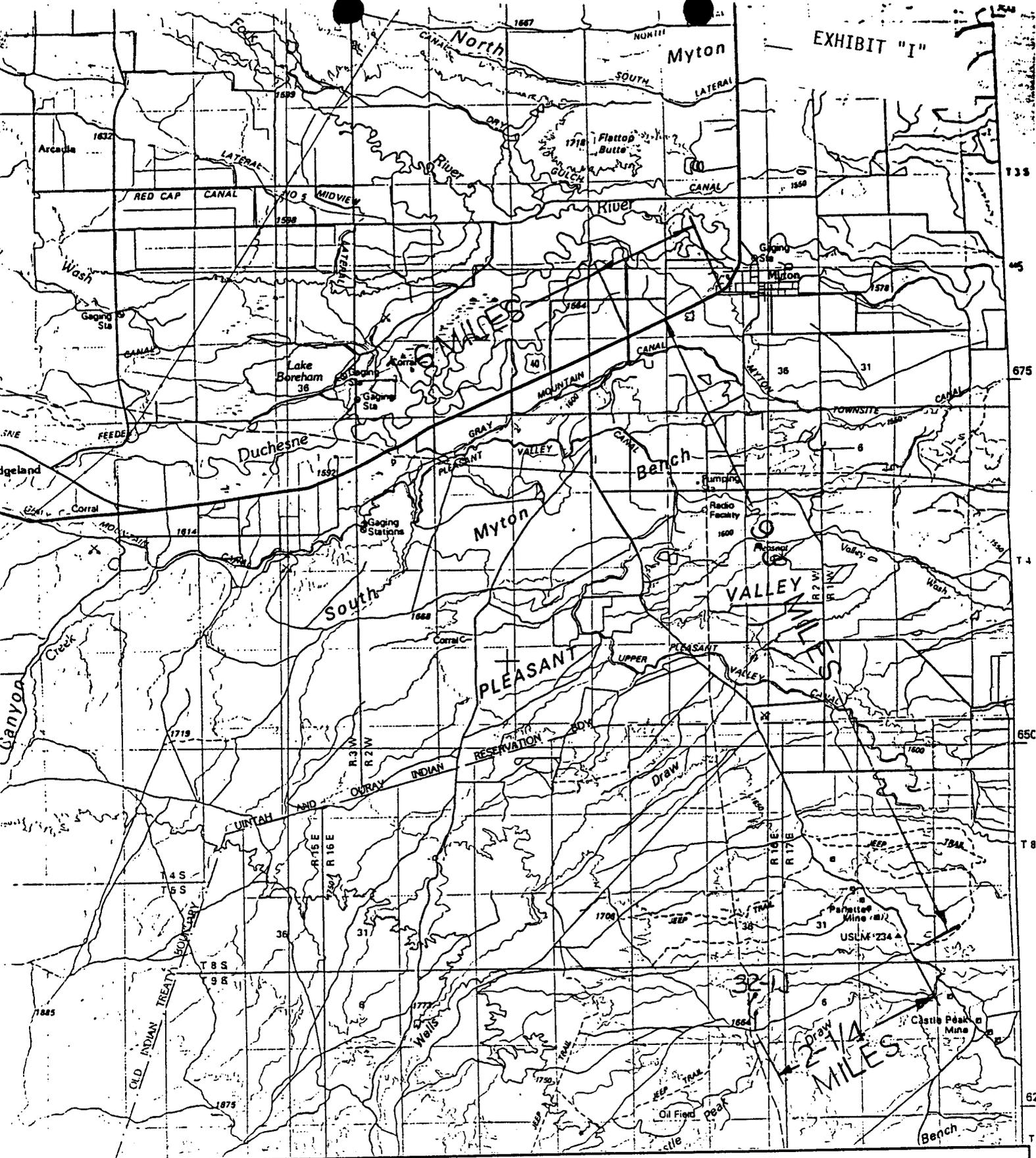
DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

EXHIBIT "I"

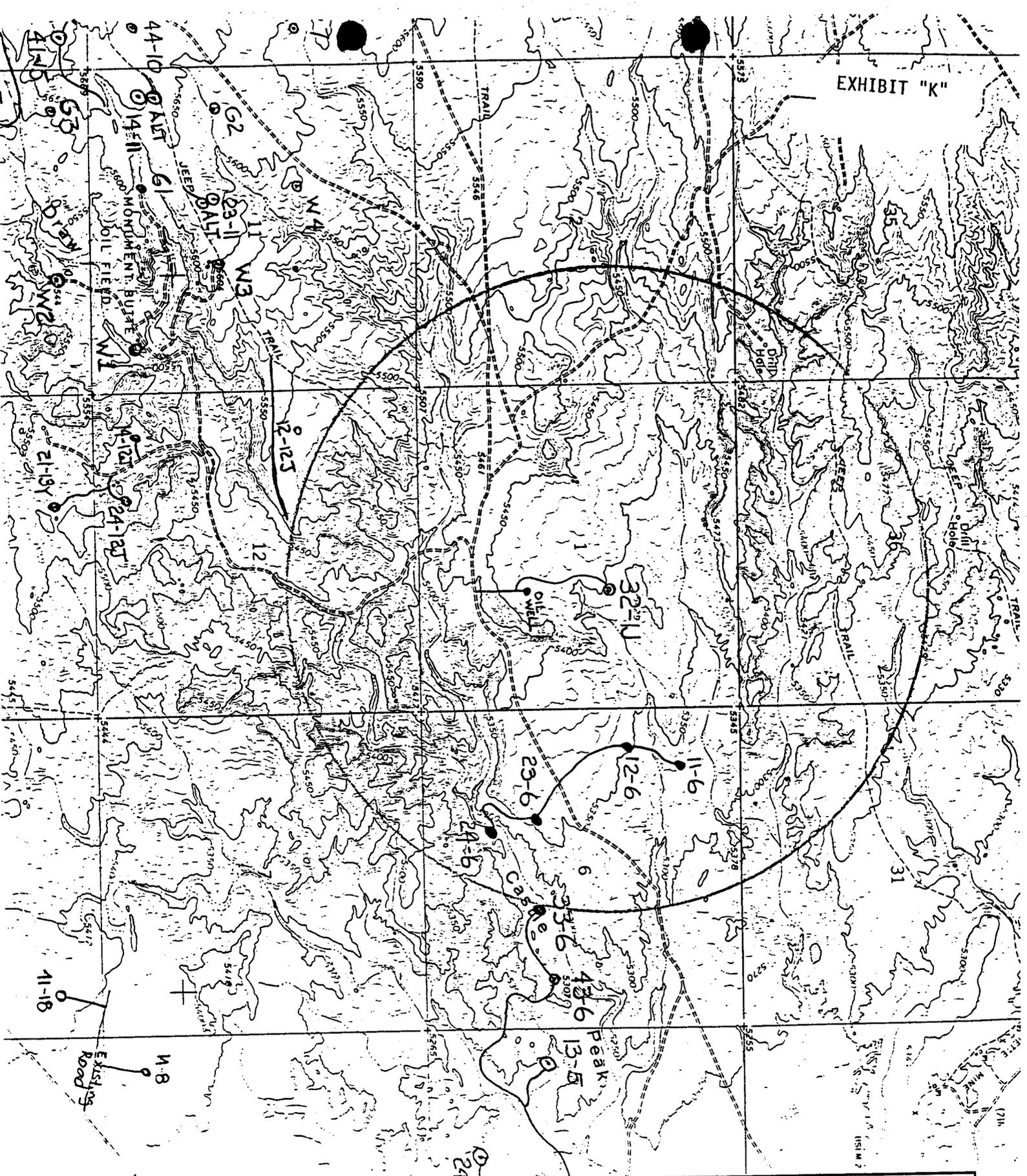


EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #32-1J  
 MAP "A"

TRI-STATE  
 LAND SURVEYING, INC.  
 38 WEST 100 NORTH, VERNAL, UTAH 84078  
 801-781-2501

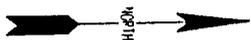


EXHIBIT "K"

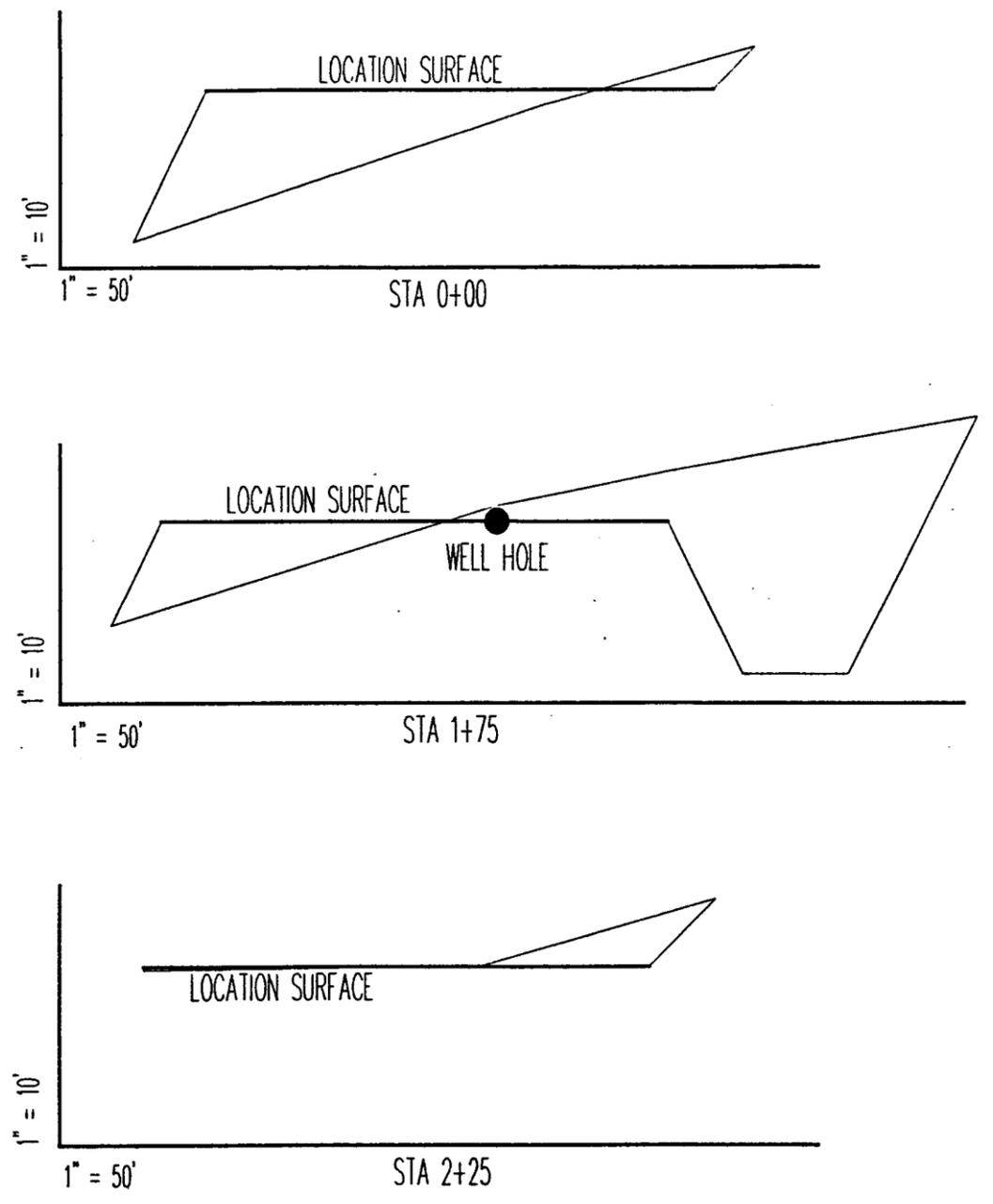
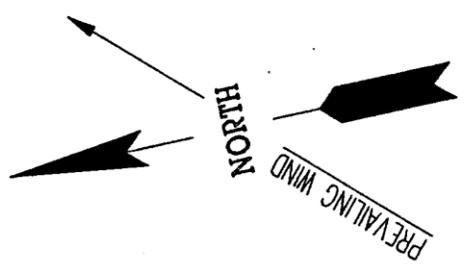
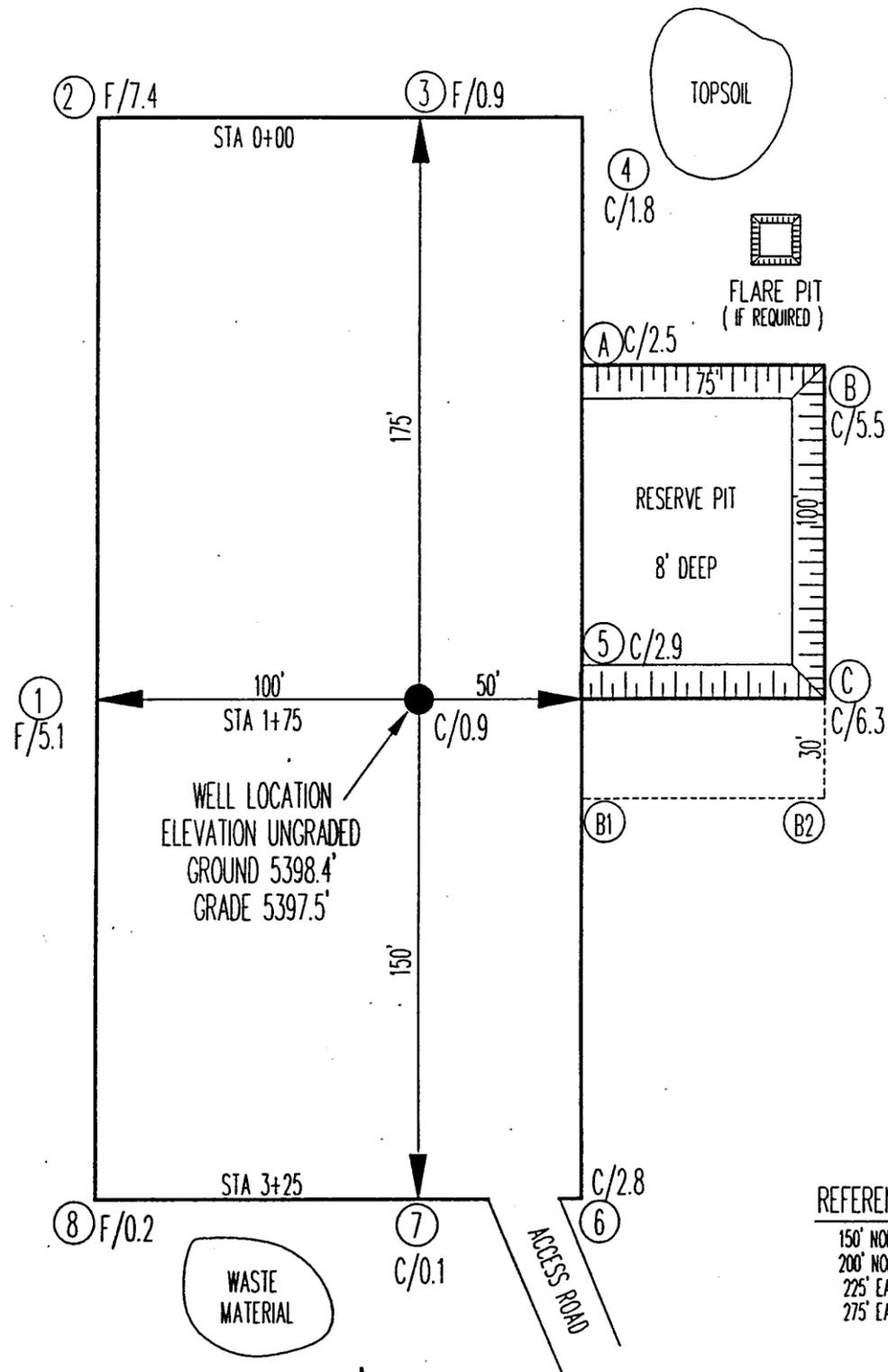


EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #32-1J  
 MAP "C"

TRI-STATE  
 LAND SURVEYING, INC.  
 33 WEST 100 NORTH, VERNAL, UTAH 84078  
 801-781-2501



EQUITABLE RESOURCES ENERGY CO.  
BALCRON MONUMENT FEDERAL #32-1J



REFERENCE POINTS

150' NORTH	5393.7'
200' NORTH	5394.9'
225' EAST	5395.5'
275' EAST	5388.6'

APPROXIMATE YARDAGE

CUT	= 2500 Cu Yds
FILL	= 2484 Cu Yds
PIT	= 1826 Cu Yds

**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501

# **CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.**

Equitable Resources Energy Company  
Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #32-1J  
SW NE Section 1-T9S-R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

**Multi-Point Surface Use and Operations Plan**

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON MONUMENT FEDERAL #32-1J  
SW NE Section 1, T9S, R16E  
DUCHESNE COUNTY, UTAH

**1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)**

- A. The proposed well site is staked and four reference stakes are present. 150' & 200' North and 225' & 275' East.
- B. The Monument Federal #32-1J is located approximately 16 miles Southwesterly of Myton Utah, in the SW1/4 NE1/4 Section 1, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 32-1J, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with Monument Butte Gas Plant road. Proceed West along said Gas Plant road 2.25 miles to road intersection. Turn right and continue 600 feet to Balcron well #32-1J access road sign. Follow flags 1300' to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

**2. Planned Access Roads: Refer to Map "B" (shown in GREEN)**

Approximately 1300 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - Low water crossing.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and

shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. No right-of-way should be required as this is inside the unit boundary, but if for some reason a right-of-way is required please consider this APD the application for said right-of-way.

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation

operations.

3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.

D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.

G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

## **5. Location and Type of Water Supply**

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah, or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the beginning of drilling operations.
- B. No water well will be drilled on this location.

## **6. Source of Construction Materials**

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

## **7. Methods of Handling Waste Materials:**

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon

receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the

discharge of liquids therefrom.

**8. Ancillary Facilities:**

None anticipated.

**9. Wellsite Layout:**

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to help visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be located on the South side, and the flare pit will be downwind of the prevailing wind direction near corner pit corner B. Access to the well pad will be from the West between corners #6 and #7.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind on the Southeast side of location near pit corner #B, at least 100' from the wellhead and at least 30' from the reserve pit. This pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.

The reserve pit will be lined. The liner will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at

above the net wire. total height of the fence will be at least 42-inches.

1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the it as soon as possible after drilling operations are completed.

#### **10. Plans for Reclamation of the Surface:**

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### **A. Production**

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic reinforced pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one

hundred twenty (120) days from the date of well completion, weather permitting.

6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seeded will be prepared by dishing, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the authorized officer.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost.

Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

**B. Dry Hole/Abandoned Location**

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (a) re-establishing irrigation systems where applicable,
  - (b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and,
  - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.
  - (a) A silt catchment basin will be constructed according to BLM specifications where requested by BLM.

**11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

**12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta

Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 11 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.

- C. 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
2. There are no occupied dwellings in the immediate area
3. An archaeological report will be forwarded upon completion.
4. There are no reported restrictions or reservations noted on the oil and gas lease.

**13. Lessee's or Operator's Representative:**

Balcron Oil  
a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406)259-7860  
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Field Superintendant Home (406)656-9719

14. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company, Balcron Oil Division and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

October 20, 1993  
Date

Bobbie Schuman  
Bobbie Schuman  
Coordinator of Environmental  
and Regulatory Affairs

# Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name BALCRON MONUMENT FEDERAL #32-1-J Exploratory            Control Well MBF #1-33  
 Location SWNE SEC 1-T9S-R16E 2143' FNL, 1987' FEL Development X Operator GULF  
 County DUCHESNE Field JONAH UNIT KB 5437  
 State UTAH Section SWNE 1 Section NWSE 1  
 Total Depth 5950 Township 9S Township 9S  
 GL (Ung) 5398.4 EST. KB 5407 Range 16E Range 16E

Formation Tops	Prognosis		Sample Top		Control Well Datum	High/Low		Deviation
	Formation	Depth	Datum	Depth		Datum	Prog	
UINTA	SURFACE							
GREEN RIVER	1610	3797			3847			
HORSEBENCH SS	2315	3092			3142			
2ND GARDEN GULCH	3961	1446			1496			
Y-3 SAND	4295	1112			1162			
YELLOW MARKER	4594	813			863			
DOUGLAS CREEK	4758	649			699			
R-1 SAND	4798	609			659			
R-2 SAND	4839	568			618			
R-5 SAND	4931	476			NP			
2ND DOUGLAS CREEK	5006	401			451			
GREEN MARKER	5153	254			304			
CARBONATE MARKER	5609	-202			-152			
B-1 SAND	5700	-293			-243			
TD	5950							

**Samples**  
50' FROM 1500' TO 4100'  
10' FROM 4100' TO TD  
 \_\_\_\_\_  
 \_\_\_\_\_

**DST,s**  
 DST #1 NONE  
 DST #2 \_\_\_\_\_  
 DST #3 \_\_\_\_\_  
 DST #4 \_\_\_\_\_

**Wellsite Geologist**  
 Name: \_\_\_\_\_  
 From: \_\_\_\_\_ to: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone # \_\_\_\_\_ wk.  
 \_\_\_\_\_ hm.  
 Fax # \_\_\_\_\_

**Logs**  
DLL FROM SURF CSG TO TD  
LDT/CNL FROM 3700' TO TD  
 \_\_\_\_\_  
 \_\_\_\_\_

**Cores**  
 Core #1 NONE  
 Core #2 \_\_\_\_\_  
 Core #3 \_\_\_\_\_  
 Core #4 \_\_\_\_\_

**Mud Logger/Hot Wire**  
 Company: \_\_\_\_\_  
 Required: (Yes/No) TES  
 Type: TWO MAN  
 Logger: \_\_\_\_\_  
 Phone # \_\_\_\_\_  
 Fax # \_\_\_\_\_

Comments: "Sand" is pay zone.  
 \_\_\_\_\_  
 \_\_\_\_\_

Report To: 1st Name: STEVE VANDELINDER Phone # (406) 259-7860 wk. 248-2778 hm.  
 2nd Name: KEVEN REINSCHMIDT Phone # " wk. 248-7026 hm.  
 Prepared By: K K REINSCHMIDT Phone # \_\_\_\_\_ wk. \_\_\_\_\_ hm.

Equitable Resources Energy Company  
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area  
LOCATION: Twn.9S Rge.16E & 17E  
COUNTY: Duchesne

PROSPECT/FIELD: Monument Butte  
STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE INTERVAL

12 1/4" 0 to 260'  
7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
STRING TYPE					
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS.	YIELD
				VIS	POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- a.) Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- b.) Drilling will be done using 2% KCl water and gel.

COMMENTS

- 1.) No cores or DST's are planned.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2280 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	SFC TO TD 5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825			
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35	202	2.29 J

Prepared by : McCoskery, Billings, MT  
 Date : 11-30-1992 (Revised 8/30/93)  
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.06)



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
MONTANA STATE OFFICE  
222 NORTH 32ND STREET  
P.O. BOX 36800  
BILLINGS, MONTANA 59107-6800

IN REPLY TO:

MTM 12619-A et al  
BLM BOND NO. MT0576  
(922.31)

April 25, 1989

## NOTICE

Equitable Resources Energy Company  
P. O. Box 21017  
Billings, Montana 59104

OIL AND GAS

### CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

*Cynthia L. Embretson*  
Cynthia L. Embretson, Chief  
Fluids Adjudication Section

1 Enclosure  
1-Exhibit A

cc: (w/encl.)  
AFS, Denver (1)  
All DMs (1 ea.)  
RMO Section (1)  
Regional Forester, Lakewood (2)  
Regional Forester, Missoula (2)  
Bureau of Reclamation (1)

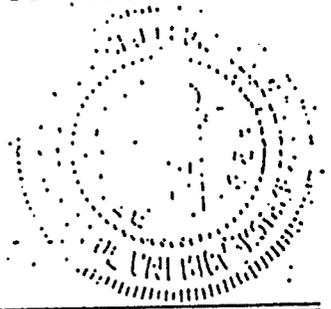
Form 3104-8  
(July 1984)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE  
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)  
Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)  
Other Oil and Gas Leasing Authorities as Applicable



KNOW ALL MEN BY THESE PRESENTS, That we  
BALCRON OIL COMPANY  
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and  
SAFECO INSURANCE COMPANY OF AMERICA  
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY THOUSAND AND 00/100----- dollars (\$ 150,000.00 ), in lawful money of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally.

- The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, issued or acquired under the Acts cited in Schedule A.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petroleum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Acts cited in this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:



SURETY RIDER

EXHIBIT "E" Page 3 of 4  
SAFECO INSURANCE COMPANY OF AMERICA  
GENERAL INSURANCE COMPANY OF AMERICA  
FIRST NATIONAL INSURANCE COMPANY  
OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88  
(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY, as Principal,  
(PRINCIPAL)

and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,  
(SURETY)

in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND  
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89  
(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89  
(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY  
PRINCIPAL

By: \_\_\_\_\_ TITLE

SAFECO INSURANCE COMPANY OF AMERICA  
SURETY

By: R. George Voindhet ATTORNEY-IN-FACT



POWER  
OF ATTORNEY

GENERAL INSURANCE COMPANY OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

EXHIBIT "E" Page 4 of 4  
3798

No. \_\_\_\_\_

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VEHAR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,  
(i) The provisions of Article V, Section 13 of the By-Laws, and  
(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and  
(iii) Certifying that said power-of-attorney appointment is in full force and effect,  
the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

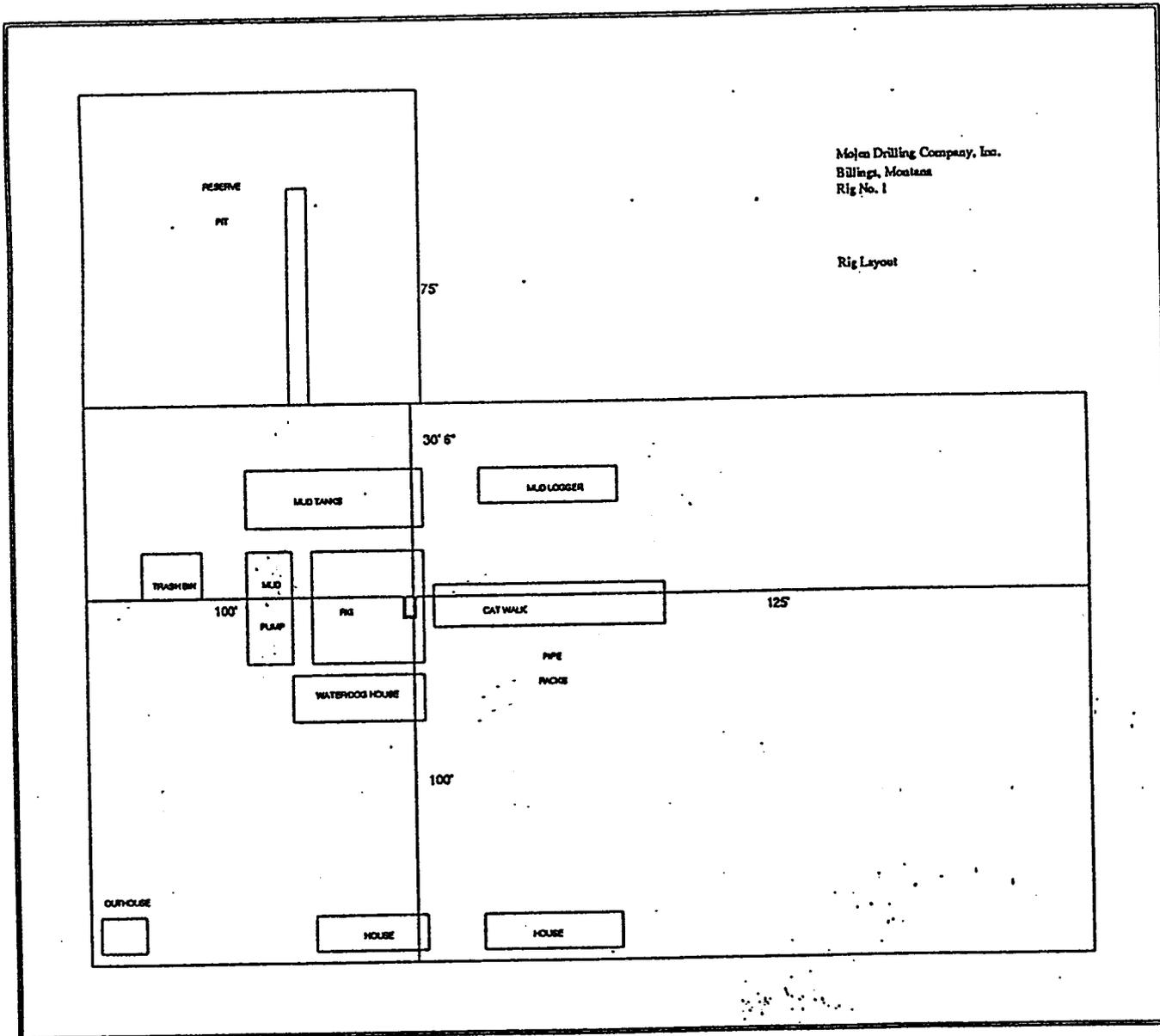
I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 10th day of April, 19 89.

**EXHIBITS "G" and "H"**

Rig layouts and BOPE diagrams are submitted for both Union Drilling Rig #17 and Molen Drilling Rig #1. This well will be drilled with air as far as hole conditions allow and then with drilling fluids. See EXHIBIT "D" for additional details.

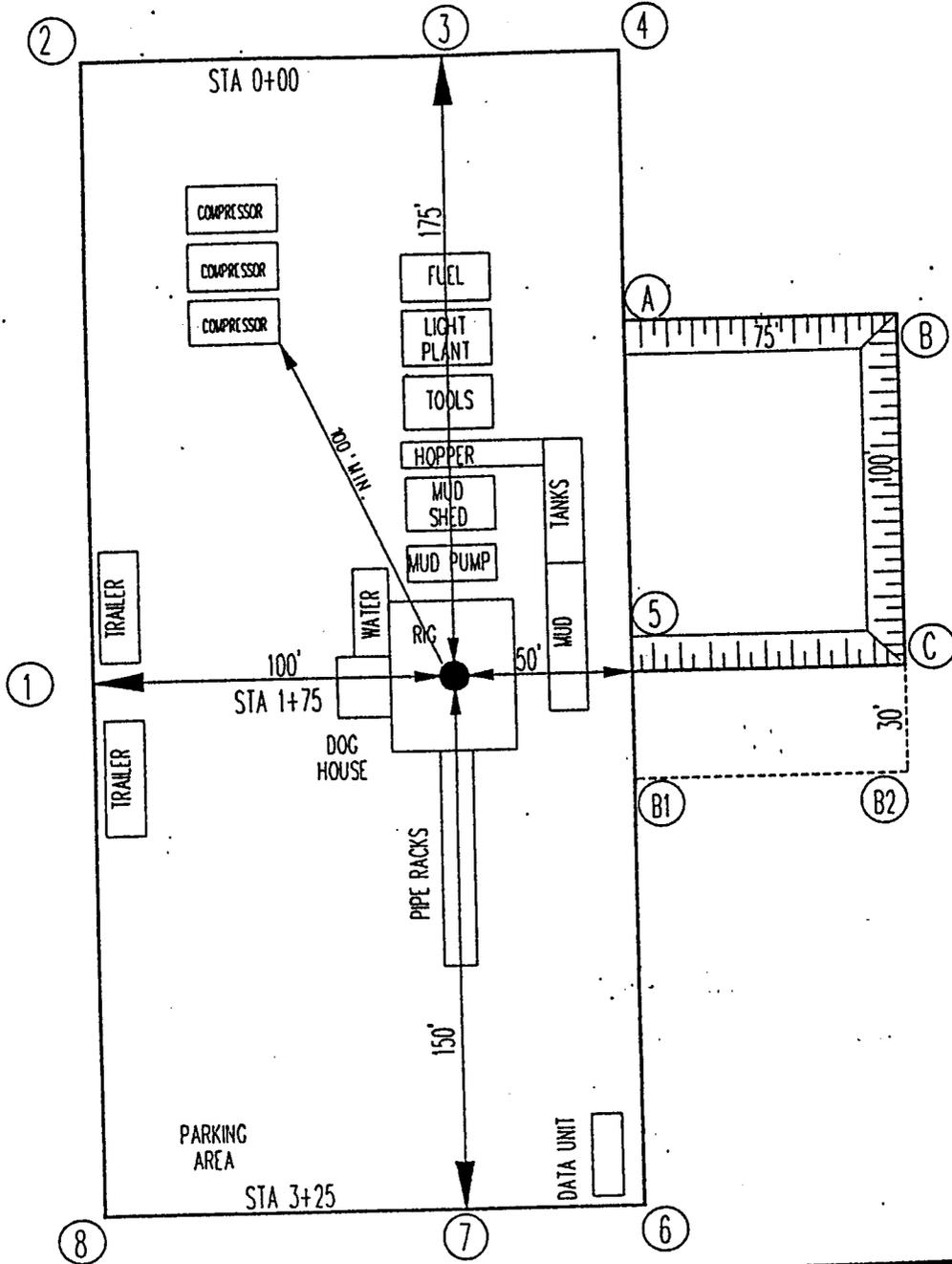


Mojon Drilling Company, Inc.  
 Billings, Montana  
 Rig No. 1

Rig Layout

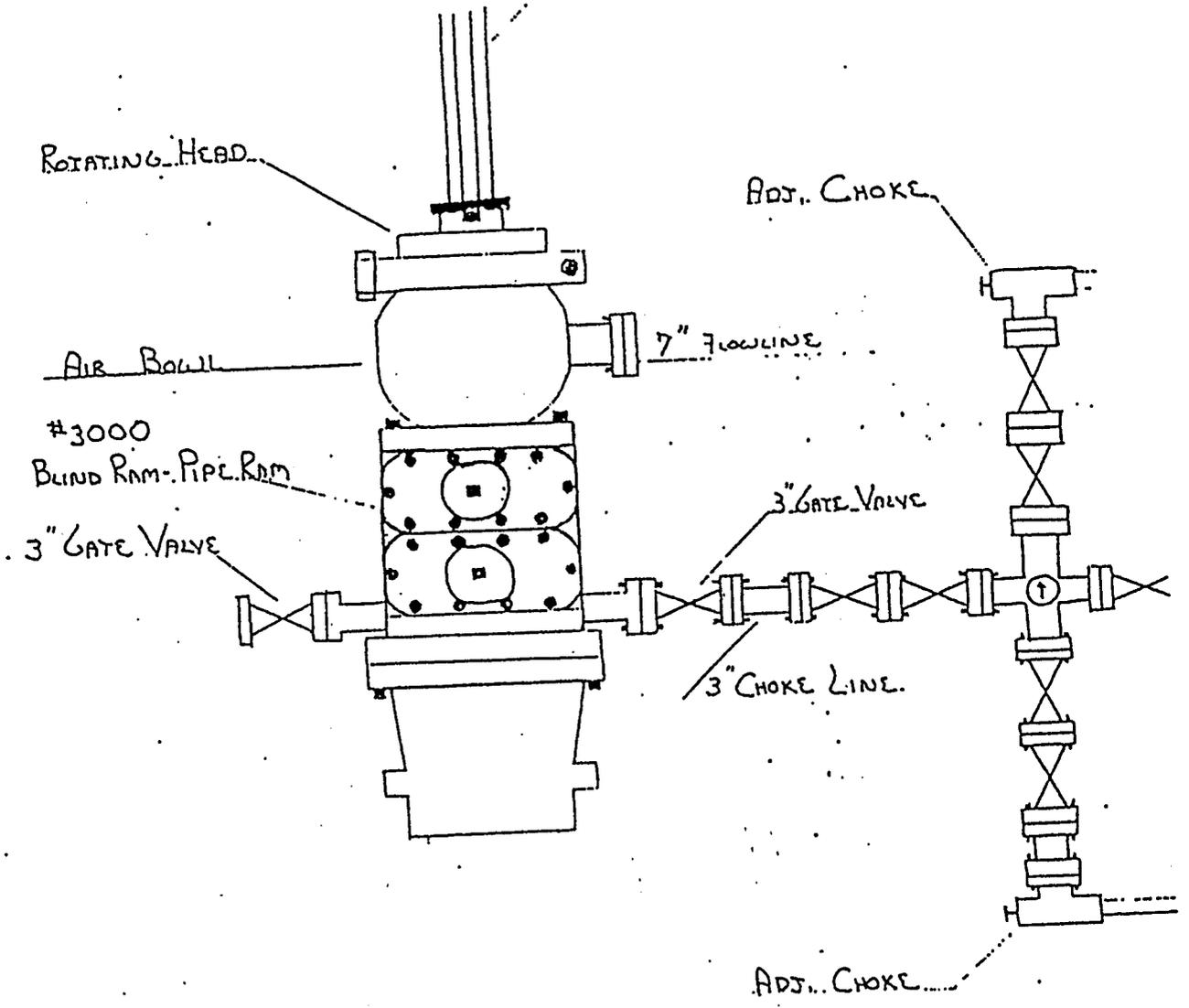
EXHIBIT "G"

# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



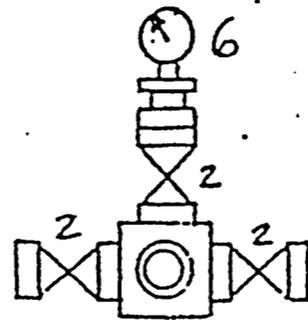
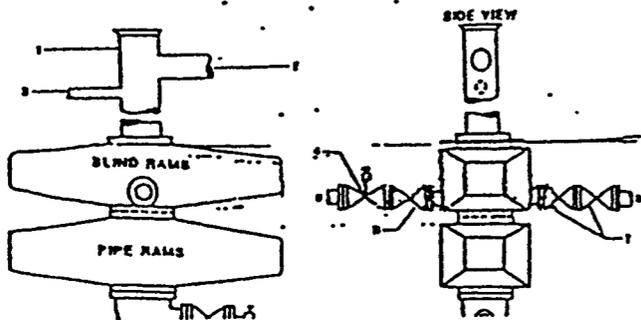
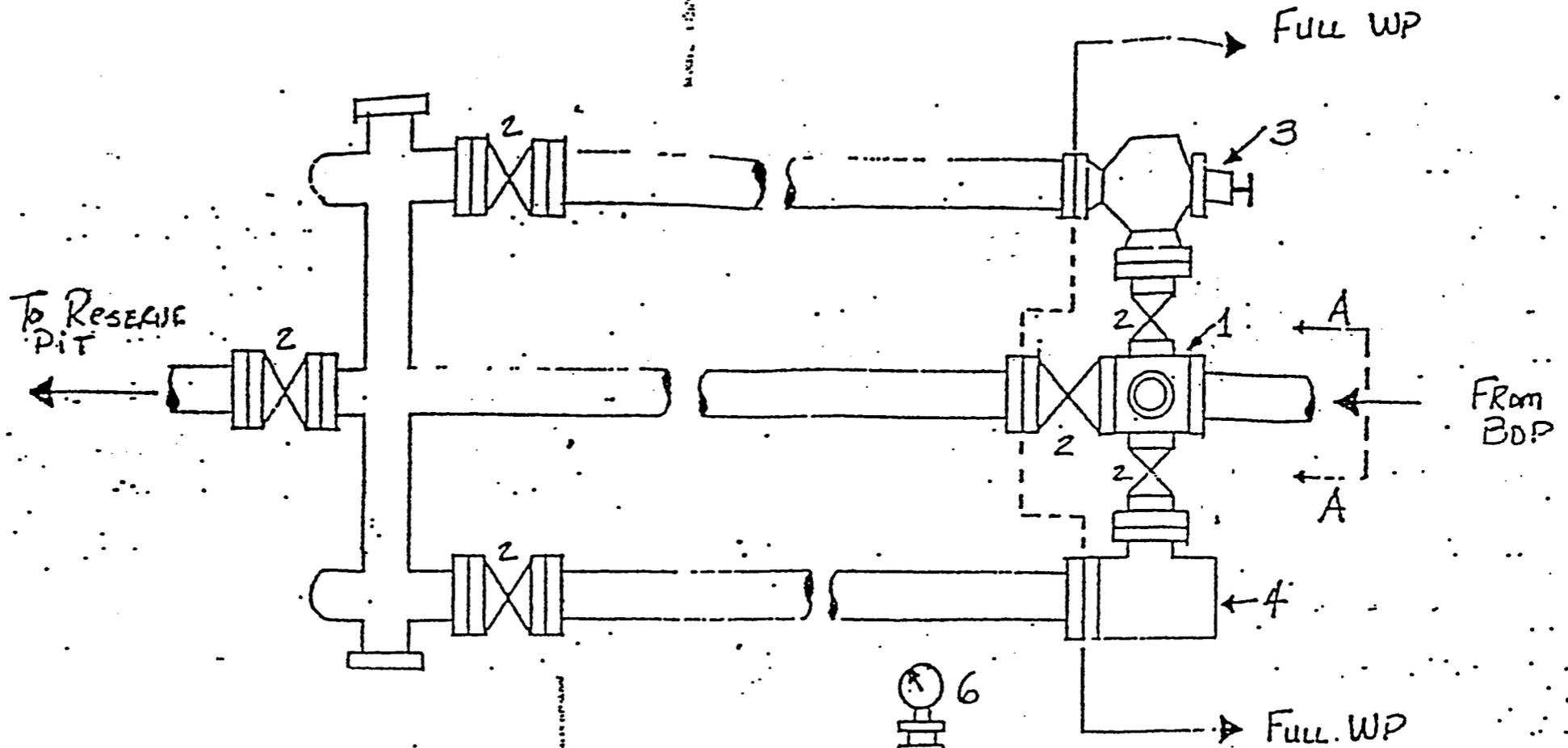
**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501

UNION DRILLING RIG #17 Hex Kelly -



#3000 Stack

EXHIBIT "H"



VIEW A-A

1. Cross
2. Gate Valve
3. Adjustable Choke
4. Positive Choke
5. Welded Bull Plug, Lead Filled
6. 2" - 1000 psi mud pressure gauge

Notes: All lines must be securely anchored.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/22/93

API NO. ASSIGNED: 43-013-31414

WELL NAME: BALCRON MOMUMENT FED. 32-1J  
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
 SWNE 01 - T09S - R16E  
 SURFACE: 2143-FNL-1987-FEL  
 BOTTOM: 2143-FNL-1987-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
 LEASE NUMBER: U-33992

<p>RECEIVED AND/OR REVIEWED:</p> <p><u>Y</u> Plat  <u>Y</u> Bond          (Number <u>FEDERAL</u>)  <u>N</u> Potash (Y/N)  <u>N</u> Oil shale (Y/N)  <u>Y</u> Water permit          (Number <u>BY SUM DRU</u>)  <u>N</u> RDCC Review (Y/N)          (Date: _____)</p>	<p>LOCATION AND SITING:</p> <p><input checked="" type="checkbox"/> R649-2-3. Unit: <u>UTU 72086A</u>  <input type="checkbox"/> R649-3-2. General.  <input type="checkbox"/> R649-3-3. Exception.  <input type="checkbox"/> Drilling Unit.          Board Cause no: _____          Date: _____</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

COMMENTS: WELL IS NOT PART OF 1993 POD  
Included in 1994 POD

STIPULATIONS: \_\_\_\_\_

CONFIDENTIAL  
 PERIOD  
 EXPIRED  
 10-23-95

EQUITABLE RESOURCES ENERGY

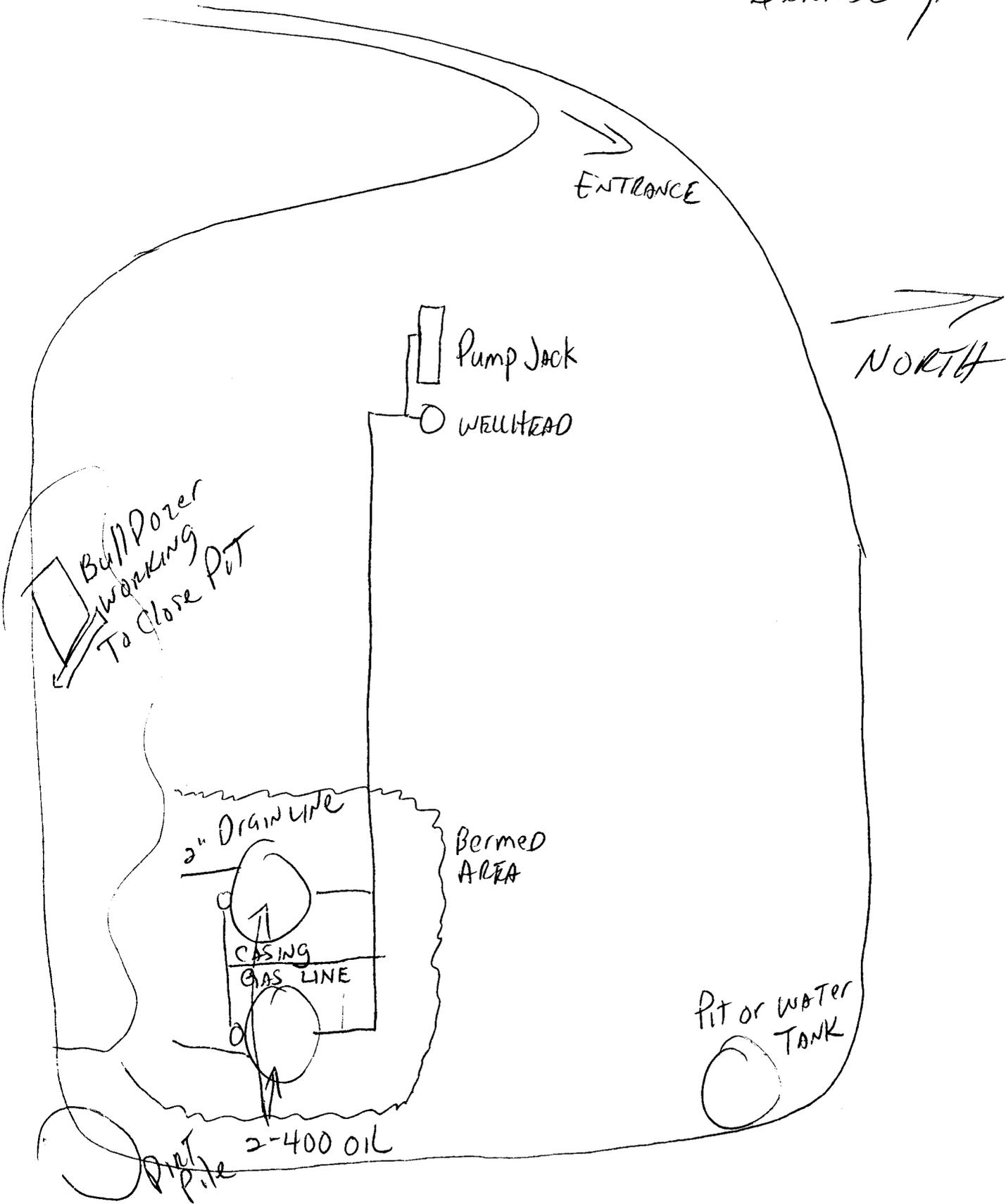
BALCON MONUMENT FEDERAL #32-1J

SEC 1; T9S; R16E

POW

12/1/94

Dennochya



EQUIPMENT INVENTORY  
UTAH DIVISION OF OIL, GAS AND MINING  
STATE OF UTAH

Operator: EQUITABLE RESOURCES ENERGY CO. Lease: State:      Federal: Y Indian:  
\_ Fee:     

Well Name: BALCRON MON FED #32-1J API Number: 43-013-31414

Section: 1 Township: 9S Range: 16E County: DUCHESNE Field: MONUMENT BUTTE

Well Status: POW Well Type: Oil: YES Gas:     

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

Boiler(s):      Compressor(s):      Separator(s):      Dehydrator(s):     

Shed(s):      Line Heater(s):      Heated Separator(s):      VRU:     

Heater Treater(s):     

**PUMPS:**

Triplex:      Chemical:      Centrifugal: (1)

**LIFT METHOD:**

Pumpjack: Y Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter: N Sales Meter: N

**TANKS:**

NUMBER

SIZE

Oil Storage Tank(s): YES 2-400'S W/BURNERS BBLs

Water Tank(s): YES 1-150 OPEN TOP BBLs

Power Water Tank:           BBLs

Condensate Tank(s):           BBLs

Propane Tank:     

**Central Battery Location: (IF APPLICABLE)**

Qtr/Qtr:      Section:      Township:      Range:     

REMARKS: UNIT IS DOWN ON VISIT. WATER TANK NOT YET INSTALLED BUT ON  
LOCATION. EQUIPMENT IS RAN BY CASING GAS.

Inspector: DENNIS INGRAM Date: 12/1/94



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

November 22, 1993

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Re: Balcron Monument Federal #32-1J Well, 2143' FNL, 1987' FEL, SW NE, Sec. 1, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or Mike Hebertson, Oil and Gas Field Specialist, (Home) (801)269-9212.

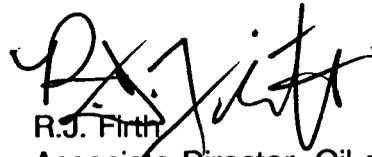


Page 2  
Equitable Resources Energy Company  
Balcron Monument Federal #32-1J Well  
November 22, 1993

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31414.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Duchesne County Assessor  
Bureau of Land Management, Vernal  
WOI1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil

3. ADDRESS OF OPERATOR  
P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
2143' FNL, 1987' FEL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 16 miles SW of Myton, UT

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

13. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5398.4' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "E" EVIDENCE OF BOND COVERAGE
- "F" SURVEY PLAT
- "G" RIG LAYOUT
- "H" BOPE DIAGRAM
- "I" EXISTING ROADS (Map A)
- "J" PLANNED ACCESS (Map B)
- "K" EXISTING WELLS (Map C)
- "L" CUT & FILL DIAGRAM

RECEIVED  
OCT 22 1993

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE October 20, 1993  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER, MINERALS DATE APR 11 1994  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
TO OPERATE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DIV 0644

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal 32-1J

API Number: 43-013-31414

Lease Number: U-33992

Location: SWNE Sec. 1 T. 9S R. 16E

Surface Ownership: Federal Lands administered by BLM

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 313$  ft or by setting the surface casing at  $\pm 360$  ft and having a cement top for the production casing at least 200 ft above the top of the Mahogany oil shale, identified at 2,326 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2,126$  ft. if the surface casing is set at  $\pm 360$  or it will be run to  $\pm 113$  ft. if the surface casing is set at  $\pm 260$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

The reserve pit liner will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Additional Surface Conditions of Approval

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 twenty-four to forty-eight (24-48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

The requested emergency pit is hereby approved under Onshore Order No. 7, subject to the following Conditions of Approval:

1. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for drilling the reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
2. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.

If paleontologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

Any construction or surface disturbing activities required between March 15 and August 15 will require an additional wildlife field survey. This survey will be used to identify mountain plover nesting activities in the area. From information obtained by this survey the surface disturbing activities may be curtailed or not allowed during this time.

Balcron's development of the proposed access road from the south will require the construction of a silt catchment dam approximately 200 feet southeast of location corner #4 where flagged.

Waiver of Fencing Around Containment Tanks.

Well No. 32-1J Lease No. U-33992 Date. 12/16/93

Balcron Oil Division's operation supervisor has requested to modify fencing around small containment tanks for the above well location. The purpose of the BLM fencing standards are to prevent injury to livestock or wildlife by entering pits which may contain fluids. Balcron's present method of placing 100 barrel tanks covered with metal cross supports and wire mesh within earthen depressions accomplishes this purpose. **This method of containment does not need fencing.** Balcron will need to maintain at least one side of the earthen depression the tank rests in at less than a 1:1 slope to allow escape if needed and any hydrocarbons that enter the depression must be considered a spill and removed within 48 hours.

  
Natural Resource Protection Spec.



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

November 18, 1993

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

We are sending, under separate cover, copies of the archeological survey that has been conducted for the wells on the attached list. These are to be considered a part of the Applications for Permit to Drill those wells.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

cc: Utah Division of Oil, Gas and Mining

RECEIVED

NOV 19 1993

DIVISION OF  
OIL, GAS & MINING

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992

43-013-31414

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992

Balcron Monument Federal #44-1J  
SE SE Section 1, T9S, R16E  
Duchesne County, Utah  
338 FSL, 859' FEL  
FLS #U-44426

Balcron Monument Federal #12-11J  
SW NW Section 11, T9S, R16E  
Duchesne County, Utah  
2128' FNL, 689' FWL  
FLS #U-096550

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550

Balcron Monument Federal #32-12J  
SW NE Section 12, T9S, R16E  
Duchesne County, Utah  
1804.8' FNL, 2138.6' FEL  
FLS #U-035521

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah  
517.8' FNL, 1850.2' FWL  
FLS #U-096547

**CULTURAL RESOURCE EVALUATION  
OF EIGHT PROPOSED WELLS  
IN THE MONUMENT BUTTES  
LOCALITY OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-93-54937  
AERC Project 1410 (BLCR-93-9)

Utah State Project No.: UT-93-AF-595b

Principal Investigator  
F. Richard Hauck, Ph.D.

Authors of the Report  
F. Richard Hauck & Glade V Hadden



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
P.O. Box 853  
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November 8, 1993

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of eight proposed wells (Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, 34-12J, 21-14J) and associated access routes situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 90.79 acres, of which 80 acres are associated with the eight well pads and an additional 10.79 acres associated with the various access road rights of way. These evaluations were conducted by Glade Hadden and Walter Lenington of AERC on October 29 and November 4, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

Two newly identified cultural resource activity loci were discovered and recorded during the examinations. 42DC 780 is a significant prehistoric activity locus associated with well location 34-12J. This location can not be moved within the ten acre parcel to avoid Site 42DC 780 and the mitigation of the site is recommended should Balcron Oil Division desire to initiate a drilling program at this location. 42DC 781 is a non-significant prehistoric activity locus associated with well location 32-12J.

Six isolated artifacts (AERC #s 1410 G/X1 through 1410 G/X5 and 1410W/X1) are non-diagnostic flakes and bifacially flaked tools which were noted and recorded during the investigations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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## GENERAL INFORMATION

On October 29 and November 4, 1993, AERC archaeologists Glade Hadden and Walter Lenington conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved eight proposed well locations (Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, 34-12J, 21-14J) and associated access roads located in the Monument Buttes area south of Myton, Utah. Some 90.79 acres were examined which includes ca. 80 acres associated with the eight well pads and an additional 10.79 acres associated with the various 100 foot-wide access routes. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments of these eight drilling locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

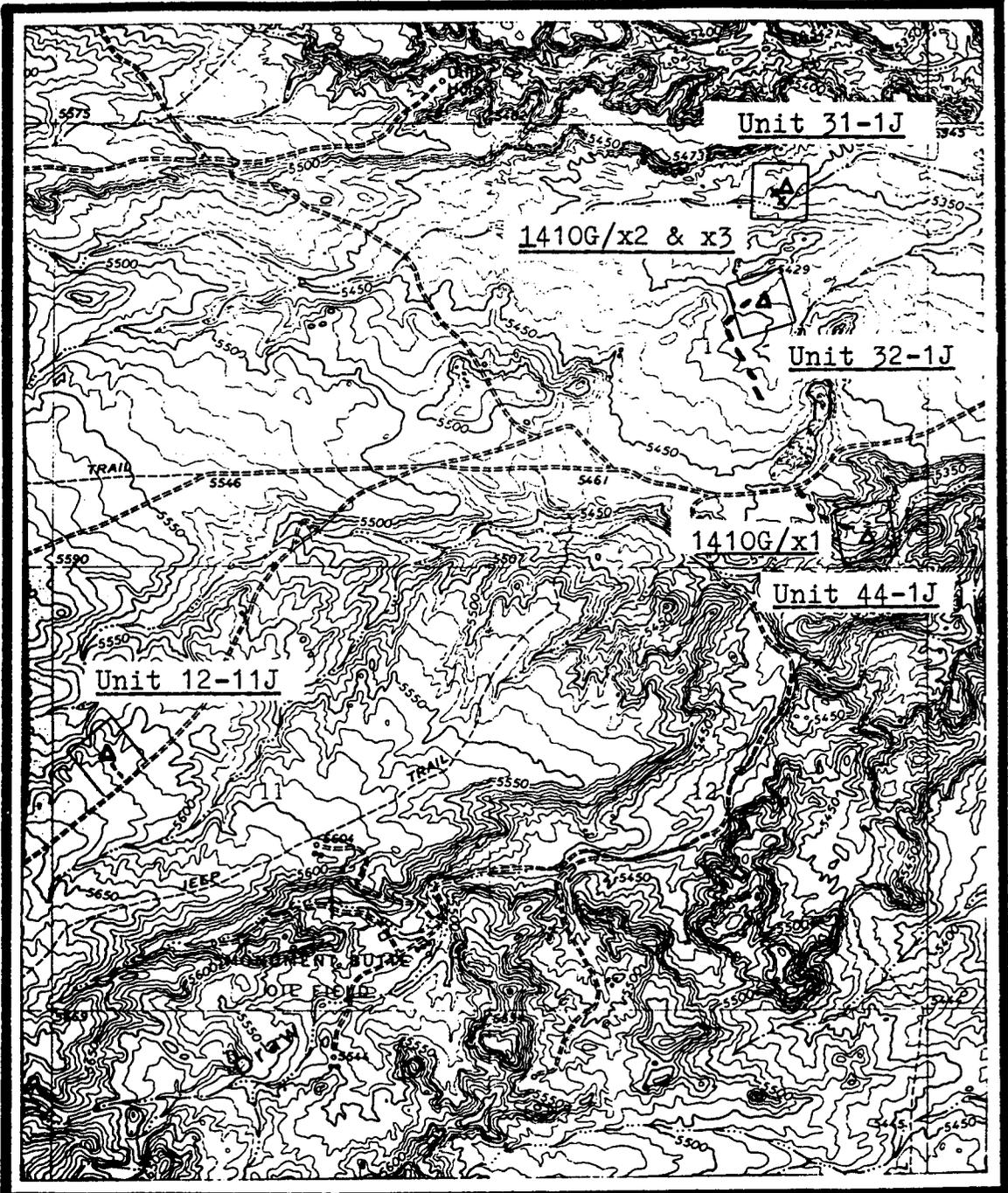
### Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE 7.5 minute topographic quad. The proposed drilling locations are situated in the following sections:

Balcron Monument Federal #31-1J is located in the NW - NE of Section 1, T. 9 So., R. 16 E. (see Map 1)

Balcron Monument Federal #32-1J is located in the SW - NE of Section 1, T. 9 So., R. 16 E. and includes ca. 1500 feet of access road (see Map 1)

Balcron Monument Federal #44-1J is located in the SE - SE of Section 1, T. 9 So., R. 16 E. and includes ca. 700 feet of access road (see Map 1)



T. 9 South  
 R. 16 East  
 Meridian: SL  
 Quad: Myton  
 SE, Utah

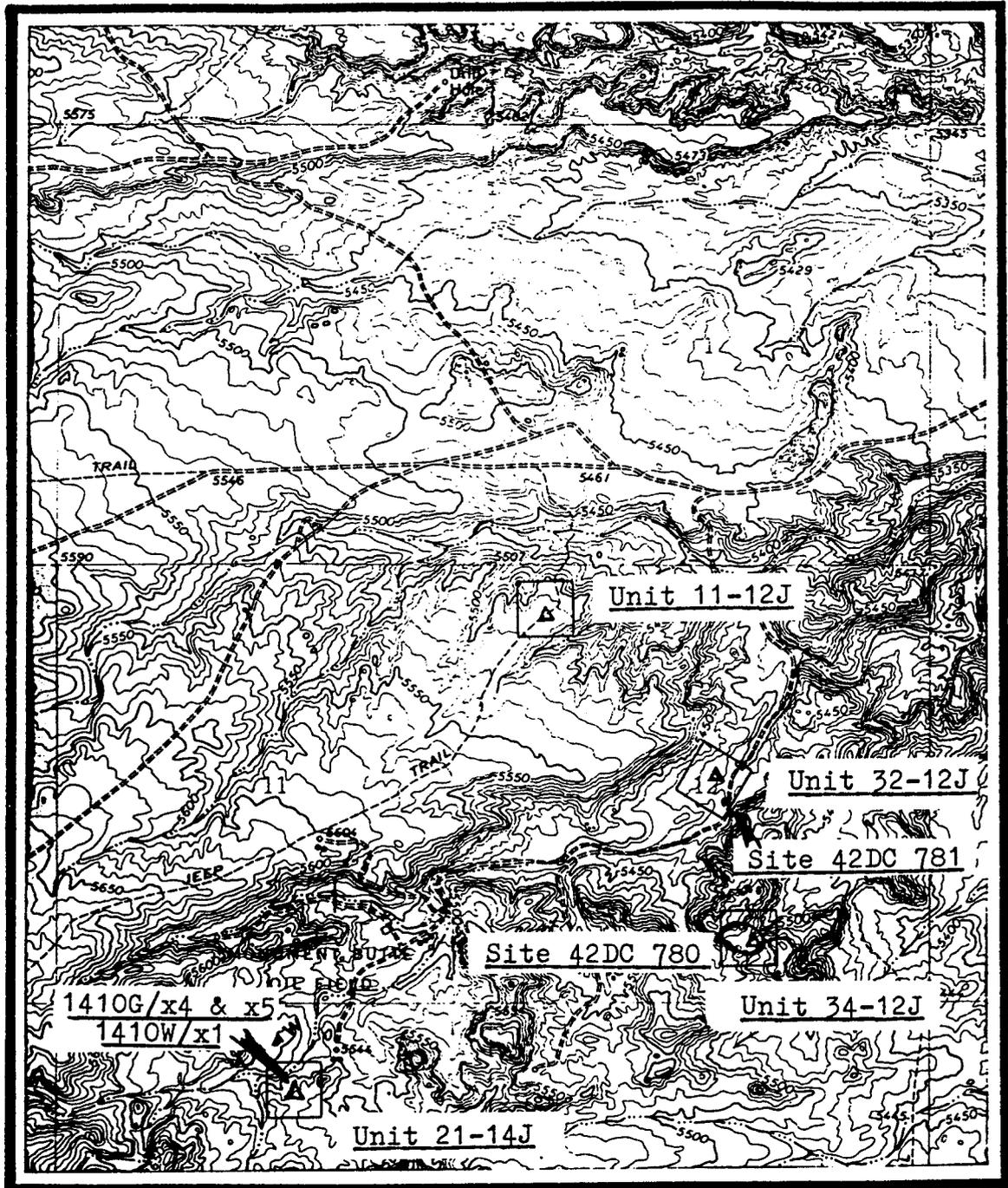
**MAP 1**  
 Cultural Resource Survey  
 of Proposed Drilling Units  
 in the Monument Butte  
 Locality of Duchesne Co.

**Legend:**  
 Well Location   
 Access Route   
 10 Acre Survey Area   
 Isolated Artifact 



**Project:** BLCR-93-9  
**Series:** Uinta Basin  
**Date:** 11-15-93  
**Scale:** 1:24000





T. 9 South  
 R. 16 East  
 Meridian: SL  
 Quad: Myton  
 SE, Utah



**Project:** BICR-93-9  
**Series:** Uinta Basin  
**Date:** 11-15-93

**Scale:** 1:24000

3

**MAP 2**  
 Cultural Resource Survey  
 of Proposed Drilling Units  
 in the Monument Butte  
 Locality of Duchesne Co.



- Legend:**
- Well
  - Location
  - Access
  - Route
  - 10 Acre
  - Survey
  - Area
  - Cultural
  - Site
  - Isolated
  - Artifact

Balcron Monument Federal #12-11J is located in the SW - NW of Section 11, T. 9 So., R. 16 E. (see Map 1)

Balcron Monument Federal #11-12J is located in the NW - NW of Section 12, T. 9 So., R. 16 E. and includes ca. 1800 feet of access road (see Map 2)

Balcron Monument Federal #32-12J is located in the SW - NE of Section 12, T. 9 So., R. 16 E. (see Map 2)

Balcron Monument Federal #34-12J is located in the SW - SE of Section 12, T. 9 So., R. 16 E. and includes ca. 500 feet of access road (see Map 2)

Balcron Monument Federal #21-14J is located in the NE - NW of Section 14, T. 9 So., R. 16 E. and includes ca. 200 feet of access road (see Map 2)

### Environmental Description

The project area is within the 5300 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus spp.*, *Artemisia spp.*, *Eriogonum spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus spp.*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on October 18, 1993. A similar search was conducted in the Vernal District Office of the BLM on October 29, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

## Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

## Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area covering each well pad. In addition, access routes were surveyed by the archaeologists walking a pair of 10 to 15 meter wide transects on each side of the flagged access route right of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 10.79 acres) was examined for the total ca. 4700 foot length of proposed access road, in addition to the eighty acres inventoried on the well pads for a total of 90.79 acres.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

## Results of the Inventory

Two prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations. These two sites include 42DC 780 and 42DC 781. A brief summary of each site can be provided as follows:

### Site 42DC 780 (see Map 2)

Site 42DC 780 is an extensive lithic scatter and sheltered occupation located within the development zone of Monument Federal Unit #34-12J. Site 42DC 780 consists of a 120 x 60 meter lithic scatter and shallow rock shelter complex. Isolated flakes are located up to 200 meters from the main locus. Artifacts are composed mainly of Parachute Creek Chert cores and flakes in all stages of lithic tool manufacture. Figure 1 is a sketch of a knife fragment manufactured from Parachute Creek Formation chert. This scatter appears to be the result of hunting, limited occupation and lithic procurement activities and is probably of Archaic date ranging in age between 1500 and 5000 years old. No artifacts were collected from this site.

This site is a significant cultural resource locus. Extensive subsurface deposits are present and include hearth areas. Some vandalism in the form of collectors piles were noted, however, numerous artifacts and features remain in an undisturbed context. The site qualifies under criterion d of Title 36 CFR 60.6 (see preceding section).

The butte where Unit 34-12J and Site 42DC 780 are located is too restricted to permit relocation of the proposed well pad in such a position as to avoid adverse impact to this cultural resource. Since avoidance is not a viable alternative, Site 42DC 780 will be subjected to primary or direct disturbance and exposed to secondary or indirect destruction (vandalism) should the proposed development of Unit 34-12J be initiated at this location without the implementation of a detailed archaeological recovery program to mitigate these potential adverse impacts.



FIGURE 1: Knife Fragment -- Site 42DC 780  
(actual size)

Site 42DC 781 (see Map 2)

Site 42DC 781 consists of a small lithic scatter located outside the development zone of Monument Federal Unit #32-12J. Site 42DC 781 is a 2 x 2 meter scatter of debitage consisting of five primary flakes of Parachute Creek chert. It is located near a rock overhang at the bottom of Castle Peak Draw.

This site is considered to be a non-significant cultural resource since it contains no potential for soil depth, no features, no occupational surfaces, and no diagnostic artifacts. This site does not qualify as a candidate for nomination to the National Register of Historic Places under any of the criteria as established in Title 36 CFR 60.6.

This non-significant site is outside the development area and will not be affected by the proposed development of Unit 32-12J.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

No paleontological loci were observed or recorded during the evaluations.

Six isolated artifacts were recorded during the evaluations. None of these artifacts were collected. A brief description of these six artifacts follows:

Isolate 1410G/x1 (see Figure 2) consists of a non-diagnostic bifacially flaked ignimbrite stone tool. This artifact was located outside the development zone of Unit 44-1J (see Map 1).

Isolate 1410G/x2 (see Figure 3) is a non-diagnostic unifacially retouched flake scraper made from Parachute Creek chert. It was located within the development area for Unit 31-1J (see Map 1).

Isolate 1410G/x3 (see Figure 4) is a primary flake which was also constructed from parachute creek chert. Like Isolate 1410G/x2, this artifact was located within the development zone of Unit 31-1J (see Map 1).

Isolate 1410G/x4 (see Figure 5) consists of a biface blank fragment constructed from parachute creek chert. Like Isolate 1410G/x5, this artifact was located within the development zone of Unit 21-14J (see Map 2).

Isolate 1410G/x5 (see Figure 6) is a secondary flake which was also constructed from parachute creek chert. Like Isolate 1410W/x1, this artifact was located within the development zone of Unit 21-14J (see Map 2).

Isolate 1410W/x1 (see Figure 7) is a biface blank fragment which was also constructed from parachute creek chert. Like Isolates 1410G/x4 and x5, this artifact was located within the development zone of Unit 21-14J (see Map 2).

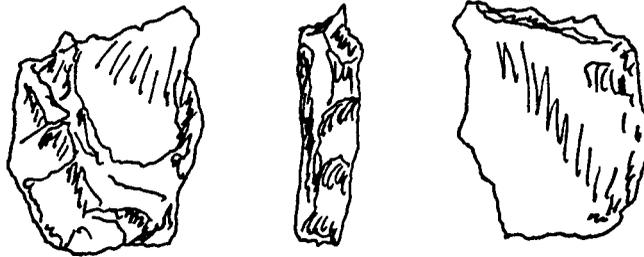


FIGURE 2: Isolated Artifact 1410G/x1  
(actual size)

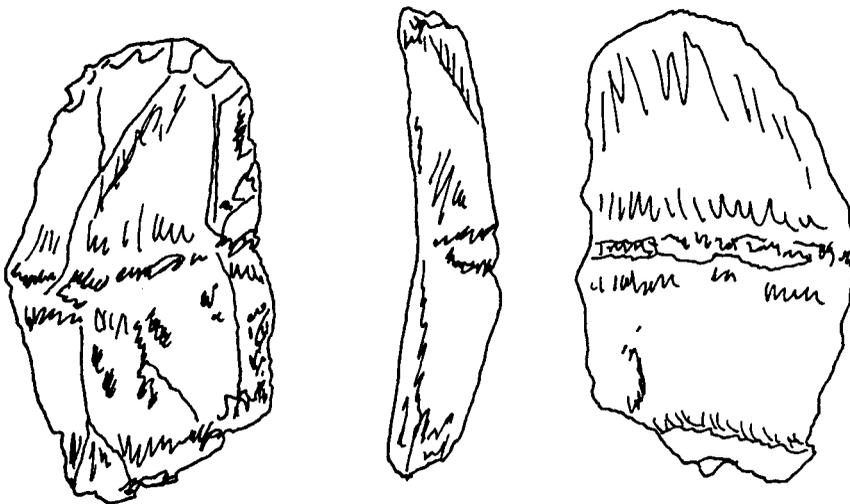
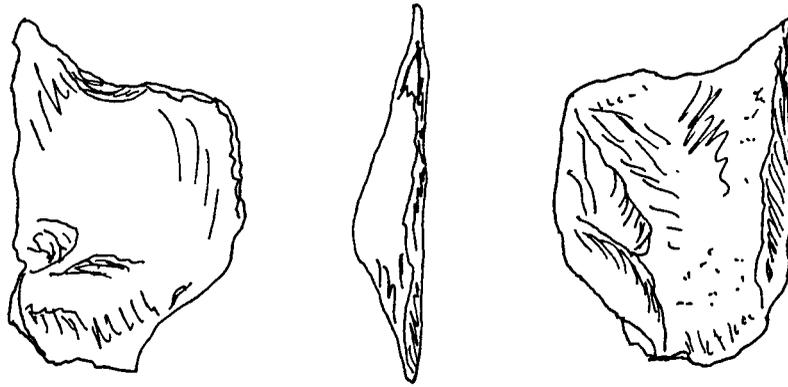
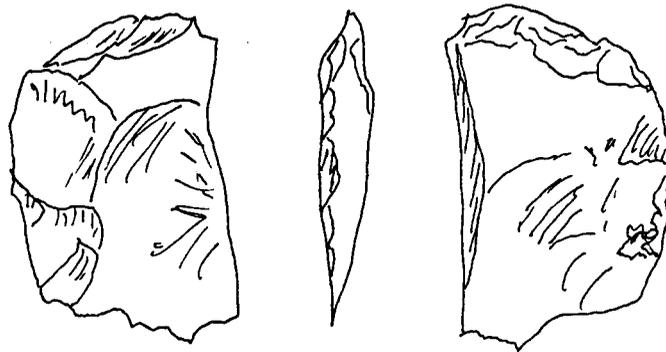


FIGURE 3: Isolated Artifact 1410G/x2  
(actual size)



**FIGURE 4: Isolated Artifact 1410G/x3  
(actual size)**



**FIGURE 5: Isolated Artifact 1410G/x4  
(actual size)**

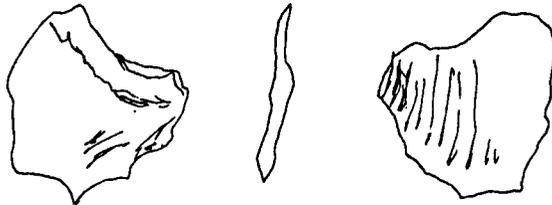


FIGURE 6: Isolated Artifact 1410G/x5  
(actual size)

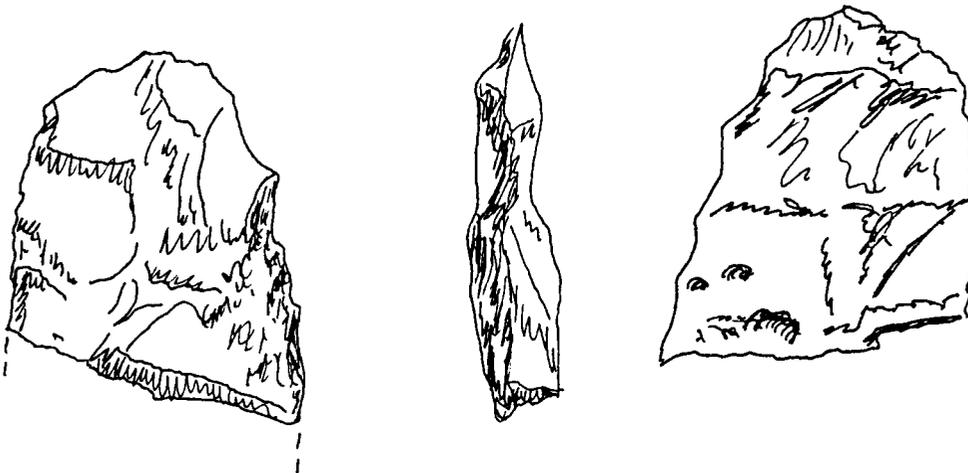


FIGURE 7: Isolated Artifact 1410W/x1  
(actual size)

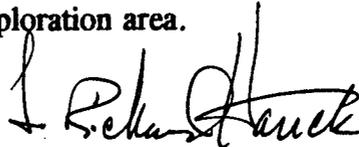
## CONCLUSION AND RECOMMENDATIONS

Site 42DC 780, a significant prehistoric resource, cannot be avoided by moving the location of proposed Unit 34-12J since both the site and the well location occupy the top of an isolated butte. The development of Unit 34-12J will result in the destruction of Site 42DC 780 unless the adverse effect is adequately mitigated through the initiation of an archaeological recovery program.

No known significant cultural or paleontological resources will be adversely impacted during the development and operation of Balcron Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, and 21-14J as evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments of these eight proposed drilling locations based upon adherence to the following stipulations:

1. Should Balcron determine that the initiation of drilling activities on Unit 34-12J should proceed, AERC recommends that an extensive testing and artifact recovery program be implemented on this site prior to the construction period. Such a program should map the complete site including a point-plot map of all surface artifacts. In addition, the archaeological recovery program should section existing fire hearths to recover radiometric samples and to document all buried cultural contexts associated with those hearths. The stabilized dune deposits on the site should be test excavated in order to determine the presence of buried cultural contexts which could be disrupted during the construction of adjacent Unit 34-12J or could be vandalized by collectors during the construction phase or after completion of the drilling site.
2. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways.
3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

## **REFERENCES**

**Hadden, Glade V and F. R. Hauck**

**1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.**

**1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.**

**Hauck, F. Richard**

**1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.**

**1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.**

**1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.**

**1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.**

**1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.**

- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Norman, V. Garth and F.R. Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

5. Lease Designation and Serial No.  
U-33992

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Jonah Unit

8. Well Name and No.  
Balcon Monument Federal #32-1J

9. API Well No.  
43-013-31414

10. Field and Pool, or Exploratory Area  
Monument Butte/ Green River

11. County or Parish, State  
Duchesne County, Utah

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.  
P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SW NE Section 1, T9S, R16E  
2143' FNL, 1987' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Identification of chemicals</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached.

RECEIVED

DEC 03 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Robbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date December 1, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

ATTACHMENT TO SUNDRY NOTICE

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

Cement (cement and associated additives)  
Crude oil (produced hydrocarbons)  
Diesel (fuels)  
Fly ash (cement and associated additives)  
Gasoline (fuels)  
Hydrochloric acid (acids, organic)  
Lime (cement and associated additives)  
Potassium chloride (salt solutions)

We anticipate that it is possible that the 10,000 pound threshold of the above chemicals could be met or exceeded in these operations. With the exception of crude oil, all chemicals used will be in the normal course of drilling and completion operations and will be provided by service companies subcontracted by the operator. Storage, transportation, and disposal of any of these chemicals will be handled by such service companies. It is anticipated that drilling of this well will produce crude oil.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

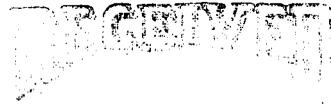
12/1/93  
/rs



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104



DEC 03 1993

DIVISION OF  
OIL, GAS & MINING

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

December 1, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

*BALCRON Monument Federal 32-1J*

*43-013-31414*

Gentlemen:

*Sec 1, T9S, R16E*

In response to APD deficiency letters for wells on the enclosed list, enclosed are sundry notices giving identification of chemicals. Also noted on that list are specific comments on archeological reports, Plan of Development, and Right-of-Way where applicable. There were three requests for archeological reports which were submitted with the APDs (see EXHIBIT "M" of those APDs). Please confirm that you did receive those with the APDs.

Thank you.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

MONUMENT BUTTE DRILLING PROGRAM

NINTH BATCH

=====

Balcron Monument Federal #32-12J  
SW NE Section 12, T9S, R16E  
Duchesne County, Utah  
1804.8' FNL, 2138.6' FEL  
FLS #U-035521  
PTD: 5,800'  
GL 5413'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521  
PTD: 5,800'  
GL 5524.1'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah  
517.8' FNL, 1850.2' FWL  
FLS #U-096547  
PTD: 5,750'  
GL 5592.5'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #34-10J  
SW SE Section 10, T9S, R16E  
Duchesne County, Utah  
592' FSL, 1979.2' FEL  
FLS #U-017985  
PTD: 5,850'  
GL 5,717.7'

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992  
PTD: 5,950'  
GL 5368.1'

Archeological Report sent 11/18/93  
POD has been approved  
ROW applied for 11/12/93

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992  
PTD: 5,950'  
GL 5398.4'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #44-1J  
SE SE Section 1, T9S, R16E  
Duchesne County, Utah  
338 FSL, 859' FEL  
FLS #U-44426  
PTD: 5,900'  
GL 5372.1'

Archeological Report sent 11/18/93  
POD has been approved  
New APD face page sent 11/16/93

Balcron Monument Federal #12-11J  
SW NW Section 11, T9S, R16E  
Duchesne County, Utah  
2128' FNL, 689' FWL  
FLS #U-096550  
PTD: 5,700'  
GL 5617.2'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550  
PTD: 5,900'  
GL 5516.1'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #21-15J  
NE NW Section 15, T9S, R16E  
Duchesne County, Utah  
644.7' FNL, 1830.3' FWL  
FLS #U-017985  
PTD: 5,800'  
GL 5,737.20'

Balcron Monument Federal #43-15J  
NE SE Section 15, T9S, R16E  
Duchesne County, Utah  
1777.9' FSL, 788.4' FEL  
FLS #U-017985  
PTD: 5,700'  
GL 5,701.8'

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

December 8, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

**CONFIDENTIAL**

Gentlemen:

Enclosed are sundry notices forwarding paleontology reports of wellpad location and access roads for the following:

Balcron Monument Federal #44-1J  
Balcron Monument Federal #34-12J  
Balcron Monument Federal #32-12J  
Balcron Monument Federal #32-1J 43-013-31414  
Balcron Monument Federal #31-1J  
Balcron Monument Federal #21-14J  
Balcron Monument Federal #12-11J  
Balcron Monument Federal #11-12J

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

**RECEIVED**

DEC 10 1993

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

5. Lease Designation and Serial No.

U-33992

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcon Monument Federal #32-LJ

9. API Well No.

43-013-31414

10. Field and Pool, or Exploratory Area

Monument Butte/ Green River

11. County or Parish, State

Duchesne County, Utah

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.  
P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SW NE Section 1, T9S, R16E  
2143' FNL, 1987' FEL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>paleo report</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the paleontology report of the wellpad location and access road.

**RECEIVED**

DEC 10 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date December 8, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**BALCRON OIL**

**Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E, SLB&M  
Duchesne County, Utah**

**PALEONTOLOGY REPORT**

**WELLPAD LOCATION AND ACCESS ROAD**

**BY**

**ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078**

**DECEMBER 1, 1993**

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #32-1J

Description of Geology and Topography-

This well location is in an area of fairly low relief. There are several shallow drainages to the northeast. There are sandstone capped knolls and ridges east, north and west of the road and location. The road leaves an existing well and goes north 1300 feet to #32-1J. The area is covered with sand and eroded rock fragments with bed rock fairly near the surface. Some sandstone outcropping along the north edge of the well pad.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains.

Paleontological material found -

No fossil vertebrate material was found on the wellpad location or access road.

Recommendations-

No other recommendations are made for this location.

Alfred H. Sandberg

Date December 6, 1993



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

CONFIDENTIAL

August 11, 1994

RECEIVED  
AUG 15 1994  
BUREAU OF LAND MANAGEMENT

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

*BALCRON MONUMENT Federal 92-1J  
Sec 1 T 95 R 16 E  
43-013-31414*

Gentlemen:

Enclosed is a sundry notice reporting an intended change in the cement program for the production casing (long-string) on the wells on the enclosed list. The wells have been broken down by three categories:

- wells on which we have approved APDs but have not yet drilled
- wells on which we do not yet have approved APDS but APDs have been submitted
- wells on which we have approved State APDs but not yet approved Federal APDs

Please consider this change in cement program as a part of our APDs.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining  
Al Plunkett

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allottee or Tribe Name

n/a

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

See attached listing

1. Type of Well

Oil Well  Gas Well  Other

8. Well Name and No.

See attached listing

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

9. API Well No.

See attached listing

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

10. Field and Pool, or Exploratory Area

See attached listing\*

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached listing

11. County or Parish, State

See attached listing

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Abandonment

Change of Plans

Subsequent Report

Recompletion

New Construction

Final Abandonment Notice

Plugging Back

Non-Routine Fracturing

Casing Repair

Water Shut-Off

Altering Casing

Conversion to Injection

Other change in cement program

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\*Formation (pool): Green River

Production cement program on wells on the attached listing will be changed as follows:

250 sacks Western Super "G" consisting of 47 #/sack "G", 20 #/sack Poz A, 17 #/sack CSE, 3% salt, 2% gel and 2 #/sack Hi-seal 2. (Yield = 2.76 Cu.Ft./Sk, Weight = 11.08 PPG). Tailed with 300 sacks 50-50 Poz with 2% Gel, 1/4 #/sack Cello-seal and 2 #/sack Hi-seal. (Yield = 1.24 Cu.Ft./Sk, Weight = 14.30 PPG).

a.) Actual cement volumes will be determined using caliper log.

b.) Cement top will be at approximate depth as specified in the Conditions of Approval in the Application for Permit to Drill.

The cement program is being changed to improve cement bond quality and improve compressive strength in the lead slurry.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date 8-10-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Have approved APDs but not yet drilled (continued)

Balcron Federal #31-5Y  
NW NE Section 5, T9S, R18E  
660' FNL, 1980' FEL  
Uintah County, Utah  
Eight Mile Flat North Field  
FLS #U-65970  
API #43-047-32503

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992  
Monument Butte Field  
Jonah Unit  
API #43-013-31413

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992  
Monument Butte Field  
Jonah Unit  
API #43-013-31414

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550  
Monument Butte Field  
Jonah Unit  
API #43-013-31418

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521  
Monument Butte Field  
Jonah Unit  
API #43-013-31420

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES ENERGY

WELL NAME: BALCRON MONUMENT FEDERAL 32-1J

API NO. 43-013-31414

Section 1 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 8/24/94

Time \_\_\_\_\_

How \_\_\_\_\_

Drilling will commence \_\_\_\_\_

Reported by SUNDRY NOTICE

Telephone # \_\_\_\_\_

Date 8/29/94 SIGNED JLT

**CONFIDENTIAL**

AUG 26 1994

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
BUREAU OF OIL, GAS & MINING

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
U-33992

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

6. If Indian, Allottee or Tribe Name

n/a

**SUBMIT IN TRIPLICATE**

7. If Unit or CA, Agreement Designation

Jonah Unit

1. Type of Well

Oil Well  Gas Well  Other

8. Well Name and No.

Balcron Monument Federal #32-1J

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

9. API Well No.

43-013-31414

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NE Section 1, T9S, R16E  
2143' FNL, 1987' FEL

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Report of Spud.</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well was spud on 8-24-94 at 7 p.m.

14. I hereby certify that the foregoing is true and correct

Signed Robbie Schuman

Regulatory and  
Title Environmental Specialist

Date 8-25-94

(This space for Federal or State office use)

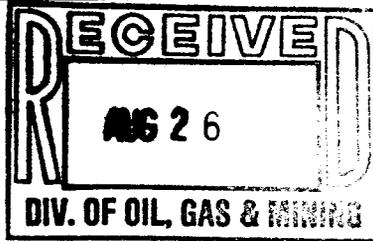
Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



OPERATOR Equitable Resources Energy Company  
Balcron Oil Division  
 ADDRESS P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492 →		43-013-31414	Balcron Monument Federal #32-LJ	SW NE	1	9S	16E	duchesne	8-24-94	8-24-94
WELL 1 COMMENTS: Entity added 8-30-94. Lee Spud of a new well, please add to current <u>Jcrnh Unit Entity</u> .											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

**ACTION CODES (See instructions on back of form)**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

DATE: 8-25-94

*Bobbie Schuman*  
 Signature

Regulatory and Environmental Specialist

Title Date

Phone No. (406) 259-7860

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

9-15-94 Completion  
CP - 530#. Flow back 15 BO. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, SN & 155 jts 2-7/8" tbg. Tag sand @ 4800' KB. Circ dow to BP @ 5016' KB. Pull up & set packer @ 4750' KB. Made 26 swab runs, recovered 156 bbls of fluid, 10 BO, 146 BW, good gas. First 8 runs 100% wtr. Last 7 runs 15% oil. Last 5 runs, FL @ 2500'. SWIFD.  
DC: \$1,924 CC: \$315,934

9-16-94 Completion  
CP - 0 psi, TP - 65 psi. FL @ 1200'. Made 1 swab run, 80% oil - 4 BO, 1 BW. Release packer, tag sand @ 4956' KB. circ down to BP @ 5016' KB. Release BP, TOOh w/tbg & tools. TIH w/tbg production string as follows:

1 jt 2-7/8" EUE J-55 8RD 6.5#	30.66'	5353.86'
1 Perf Sub 2-7/8" x 4'	4.20'	5323.20'
1 Seat Nipple	1.10'	5319.00'
18 jts 2-7/8" EUE J-55 8RD 6.5#	562.17'	5317.90'
1 Tbg Anchor 2-7/8" x 5-1/2" (Trico)	2.35'	4755.73'
151 jts 2-7/8" EUE J-55 8RD 6.5#	4743.38'	4753.38'

KB 10.00'

ND BOP, ND 5M well head, NU 3M well head. Set tbg anchor w/20" tension. TIH w/rod production string as follows:

1 - BHP 2-1/2" x 1-1/2" x 16' RWAC w/PA plunger

212 - 3/4" x 25' D-61 Slick Rods

1 - Polish Rod 1-1/4" x 22' SM

Hang well on, pressure test BHP & tbg to 1000 psi - OK. RDMO.

DC: \$9,617

CC: \$325,551

9-23-94 First production on this well was on 9-23-94 at 12:45 p.m.

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

- 9-10-94 Completion  
CP & TP- 0 psi. RU Western to do KCL break down on 5276'-88' w/2394 gals 2% KCL wtr. ATP 2600 psi, max 5000 psi. ATR 6.2 bpm, max 6.3 bpm. ISIP 1300 psi. Pump 4 balls/bbl. RD Western, TOOH w/tbg & packer. RU Western to sand frac 5276'-88' KB w/17,640# 20/40 mesh sand & 20,540# 16/30 mesh sand w/14,784 gals 2% KCL gelled wtr. ATP 2550 psi, max 2870 psi. ATR 30.7 bpm, max 31.2 bpm. ISIP 2250 psi, 5 min 2040 psi, 10 min 1870 psi, 15 min 1830 psi, 30 min 1710 psi. SWIFN. Load to recover 409 BW.  
DC: \$26,249 CC: \$212,216
- 9-12-94 Completion  
CP - 1 psi. TIH w/retrieving tools, one 2-3/8" x 4' sub, HD packer, SN & 164 jts 2-7/8" tbg. Tag sand @ 5149' KB. Circ down to BP @ 5239' KB. EOT @ 5232' KB. Made 34 swab runs, recovered 204 BW, trace of oil, good gas. Last 5 runs FL @ 2500', no sand.  
DC: \$3,999 CC: \$216,215
- 9-13-94 Completion  
Made 15 swab runs, recovered 90 bbls of fluid, 100% wtr, trace oil, some gas, no sand. Release packer, tag sand @ 5295' KB, circ down to BP @ 5239' KB. Release BP, reset BP @ 5016' KB. TOOH w/tbg & packer. RU Schlumberger & perforate 4786'-88' (3 shots) & 4938'-46' (10 shots). RD Schlumberger. TIH w/retrieving head, 2-3/8" x 4' sub, HD packer, SN & 156 jts 2-7/8" tbg, set packer @ 4904' KB, EOT @ 4918' KB. SWIFN. Load to recover 115 BW.  
DC: \$2,844 CC: \$291,059
- 9-14-94 Completion  
BP @ 5016'KB, packer @ 4904'KB. RU Western to do KCL break down on 4938'-46' w/1,806 gals 2% KCL wtr. ATP 3100 psi, max 4900 psi. ATR 4.2 bpm, max 7.2 bpm. ISIP 680 psi. Pump 2 balls/bbl, 4 bpm. Reset BP @ 4830' KB, packer @ 4750'KB, EOT @ 4764' KB. RU Western to do KCL break down on 4768'-88' 1,974 gals 2% KCL wtr. ATP 3300 psi, 5000 psi. ATR 4 bpm, max 4 bpm. ISIP 1600 psi. Pump 2 balls/bbl. Reset BP @ 5016' KB, TOOH w/tbg & packer. RU Western to sand frac 4768'-88' & 4938'-46' w/26,800# 16/30 sand w/2,096 gals 2% KCL gelled wtr. ATP 3000 psi, max 3300 psi. ATR 29.5 bpm, 30.4 bpm. ISIP 2200 psi, 5 min 1340 psi, 10 min 1220 psi, 15 min 1140 psi, 30 min 790 psi. 30 min forced closure. SWIFD.  
DC: \$22,951 CC: \$314,010

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

9-2-94 TD: 5,800' (95') Day 9  
Formation: Green River  
MW 8.5 VIS 27  
Present Operation: Running 5-1/2" csg.  
Drill, circ, survey, TOOH for logs. Log well. TIH LD drill  
collars, change BOP rams, test BOP & run 5-1/2" csg.  
DC: \$18,336 CC: \$123,706

9-3-94 TD: 5,800' (0') Day 10  
Formation: Green River  
Present Operation: RDMO.  
Run 5-1/2" csg as follows:  
Guide Shoe .60'  
1 jt 5-1/2", 15.5# Shoe Jt 43.85'  
Float Collar 1.00'  
133 jts 5-1/2", 15.5#, J-55 5734.24'  
5780.24'  
Landing Jt 9.00'  
5-1/2" csg landed @ 5789.24'  
PBSD @ 5743.79'  
Cmt by Western w/261 sxs Super "G" w/2% gel, 2#/sx Hi-Seal, &  
1/4#/sx Celloflakes. Tail w/290 sxs 50-50 POZ w/2% gel & 1/4#/sx  
Celloflake & 2#/sx Hi-Seal2. Plug down @ 9 a.m. Set slips, ND  
BOP, & clean mud tanks. Rig released @ 1:00 p.m. 9-2-94.  
DC: \$50,973 CC: \$174,679

9-8-94 Completion  
MIRU Cannon Well Service Rig #2. NU 5M well head. NU BOP. TIH  
w/4-3/4" bit & csg scraper to 1500'. SWIFN.  
DC: \$5,039 CC: \$179,718

9-9-94 Completion  
Continue in hole w/bit & scraper. Tag PBSD @ 5743' KB. Circ hole  
clean w/126 bbls 2% KCL wtr. TOOH w/tbg & tools. RU Schlumberger  
& run CBL from PBSD to 200' above cmt top @ 1882' KB. Ru  
Schlumberger & perf 5276'-88' KB (4 SPF). RD Schlumberger. TIH  
w/1 RBP 2-3/8" x 5-1/2", one 2/3" x 6' sub, one 2-3/8" x 5-1/2" HD  
packer, one SN & 169 jts 2-7/8" tbg. Set BP @ 5329' KB. Pull up &  
set packer @ 5218' KB EOT @ 5232' KB. SWIFN.  
DC: \$6,249 CC: \$185,967

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

8-27-94 TD: 1,651' (1,171') Day 3  
Formation: Green River  
MW 8.5 VIS 27  
Present Operation: TOOH  
Drill, survey, clean & paint on rig. TIH for plugged bit.  
DC: \$15,676 CC:\$47,852

8-28-94 TD: 2,925' (1,274') Day 4  
Formation: Green River  
MW 8.5 VIS 27  
Present Operation: Drilling  
Finish TIH, drill, survey, clean & paint on rig.  
DC: \$16,897 CC: \$64,749

8-29-94 TD: 3,986' (1,061') Day 5  
Formation: Yellow Zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, survey, clean & paint on rig. Repair air lines.  
DC: \$14,273 CC: \$79,022

8-30-94 TD: 4,444' (458') Day 6  
Formation: Yellow zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, load hole w/fluid & circ. Trip for bit, work on mud pump.  
Drill, survey & clean on rig.  
DC: \$7,840 CC: \$86,862

8-31-94 TD: 5,055' (611') Day 7  
Formation: Green Zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, survey, clean & paint on rig. Fair to good oil show in Y &  
R zones, but not much gas.  
DC: \$9,041 CC: \$95,903

9-1-94 TD: 5,705' (647') Day 8  
Formation: Blue Zone  
MW 8.5 VIS 27  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$9,467 CC: \$105,370

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

2143' FNL, 1987' FEL

PTD: 5950' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5398.4' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 8-24-94 @ 7 p.m.

Casing: 8-5/8", 24#, J-55 @ 352.15'KB

5-1/2", 15.5#, J-55 @ 5789.24' KB

Tubing: 2-7/8", 6.5#, J-55 @ 5353.86' KB

8-17-94 Start location.

8-18-94 Work on location & road.

8-20-94 Finish location & road.

8-21-94 Install pit liner.

DC: \$15,295

CC: \$15,295

8-25-94 TD: 210' (210') Day 1

Formation: Uintah

MW air

Present Operation: Drill surface hole.

MIRU. Drill rate hole, drill & set conductor pipe. Drill 12-1/4" hole, air hammer quit, had to change out. TIH & drill.

DC: \$7,739

CC: \$23,034

8-26-94 TD: 480' (270') Day 2

Formation: Uintah

MW air & mist

Present Operation: Drilling

Drill surface hole, TOH, ND air head. Run surface csg & cmt as follows:

Guide Shoe .60'

1 jt 8-5/8", 24#, Shoe Jt 44.90'

Insert Float -----

7 jts 8-5/8", 24#, J-55 307.65'

353.65'

Landing Jt 9.00'

8-5/8" csg landed @ 352.15'KB

Cmt by Western w/220 sxs Class "G" w/2% CCL & 1/4#/sx Celloflake.

6 bbls cmt back to pit. Plug down @ 2:30 p.m. WOC, install head,

NU & test BOP & manifold to 2000# - OK. Test csg to 1500# - OK.

TIH drill cmt, drill ahead. Had to change one blind ram.

DC: \$9,142

CC: \$32,176

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-1J

Location: SW NE Section 1, T9S, R16E

Duchesne County, Utah

2143' FNL, 1987' FEL

PTD: 5950' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5398.4' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 8-25-94 @

Casing:

---TIGHT HOLE---

Tubing:

8-17-94 Start location.

8-18-94 Work on location & road.

8-20-94 Finish location & road.

8-21-94 Install pit liner.

DC: \$15,295

CC: \$15,295

8-25-94 TD: 210' (210') Day 1

Formation: Uintah

MW air

Present Operation: Drill surface hole.

MIRU. Drill rate hole, drill & set conductor pipe. Drill  
12-1/4" hole, air hammer quit, had to change out. TIH &  
drill.

DC: \$7,739

CC: \$23,034

Expires: March 31, 1993

5. Lease Designation and Serial No.

#U-33992

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcon Monument Federal #32-1J

9. API Well No.

43-013-31414

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFACE SW NE Section 1, T9S, R16E  
 2143' FNL, 1987' FEL  
 TD:

**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

- Abandonment  Change of Plans  
 Recompletion  New Construction  
 Plugging Back  Non-Routine Fracturing  
 Casing Repair  Water Shut-Off  
 Altering Casing  Conversion to Injection  
 Other  Dispose Water

Report of First Production

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

First production on this well was on 9-23-94 at 12:45 a.m.

OCT 5 1994

14. I hereby certify that the foregoing is true and correct

Signed Sobbie Schuman Title Regulatory and Environmental Specialist

Date 10-3-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT --" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.  
 P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: SW NE Section 1, T9S, R16E  
 TD: 2143' FNL, 1987' FEL

5. Lease Designation and Serial No.  
 U-33992

6. If Indian, Allottee or Tribe Name  
 n/a

7. If Unit or CA, Agreement Designation  
 Jonah Unit

8. Well Name and No.  
 Balcron Monument Federal #32-1J

9. API Well No.  
 43-013-31414

10. Field and Pool, or Exploratory Area  
 Monument Butte/Green River

11. County or Parish, State  
 Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used in the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location from the Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct

Signed Robbie Schuman Title Regulatory and Environmental Specialist Date 10-20-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any: \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESRV.  Other \_\_\_\_\_

**CONFIDENTIAL**

2. NAME OF OPERATOR  
Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR  
P.O. Box 21017, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 2143' FNL, 1987' FEL  
 At top prod. interval reported below  
 At total depth \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
U-33992

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a

7. UNIT AGREEMENT NAME  
Jonah Unit

8. FARM OR LEASE NAME  
Balcron Monument Federal

9. WELL NO.  
#32-LJ

10. FIELD AND POOL, OR WILDCAT  
Monument Butte/Green River

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SW NE  
Section 1, T9S, R16E

14. PERMIT NO. 43-013-31414 DATE ISSUED 11-22-93

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDDED 8-24-94 16. DATE T.D. REACHED 9-2-94 17. DATE COMPL. (Ready to prod.) 9-23-94 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5398.4' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5,800' 21. PLUG, BACK T.D., MD & TVD 5743.79' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY → Sfc - TD 24. ROTARY TOOLS n/a 25. CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5288' - 4786' Green River

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
LDI/CNL - DLL/MSEL - CBL MUD LOG 9-13-94

27. WAS WELL CORED  
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	352.15' KB	12-1/4"	220 sxs Class "G" w/additives	none
5-1/2"	15.5#	5789.24' KB	7-7/8"	261 sxs Super "G" w/additives	none
				290 sxs 50-50 POZ w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
n/a				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5353.86' KB	n/a

31. PERFORATION RECORD (Interval, size and number)

5276' - 5288' (4 SPF)  
4938' - 4946' (10 shots) **24**  
4786' - 4788' (3 shots)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See attachment.	

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
9-23-94	1-1/2" Insert Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-12-94	24	n/a	→	51.65	N.M.	0	N.M.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	51.65	N.M.	0	34

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Used for fuel.

TEST WITNESSED BY  
Dale Griffin

35. LIST OF ATTACHMENTS  
Attachment for acid, shot, fracture information.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 10-20-94

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	See Geological Report submitted separately.		

Equitable Resources Energy Company  
Balcron Oil Division

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah

<u>Perforated Interval</u>	<u>Quantity and Material Used</u>
5276'-88' KB (4 SPF):	Breakdown with 2394 gallons 2% KCL water. Frac with 17,640# 20/40 mesh sand & 20,540# 16/30 mesh sand with 14,784 gallons 2% KCL gelled water.
4768'-88' (3 shots):	Breakdown with 1,974 gallons 2% KCL wtr.
4938'-46' (10 shots):	Breakdown with 1,806 gallons 2% KCL wtr.
4768'-88' & 4938'-46':	Frac with 26,800# 16/30 sand with 2,096 gallons 2% KCL gelled wtr.

/mc

**RECEIVED**

SEP 13 1994

DIVISION OF  
OIL, GAS & MINING

BALCRON OIL COMPANY

BALCRON MONUMENT FEDERAL #32-1-J

SW NE SECTION 1, T9S, R16E

DUCHESNE COUNTY, UTAH

Prepared by:

Roy L. Clement  
c/o Clement Consulting  
1907 Sligo Lane  
Billings, Montana 59106  
(406) 656-9514

Prepared for:

Dave Bickerstaff &  
Keven Reinschmidt  
c/o Balcron Oil Company  
Post Office Box 21017  
Billings, MT 59104  
(406) 259-7860

WELL DATA SUMMARY

OPERATOR: BALCRON OIL COMPANY

ADDRESS: Post Office Box 21017  
Billings, Montana 59104

WELL NAME: Balcron Monument Federal #32-1-J

FIELD: Monument Butte

LOCATION: 2143' FNL & 1987' FEL  
SW NE SECTION 1, T9S, R16E

LEASE#: U-33992

API#: 43-013-31414

COUNTY: Duchesne

STATE: Utah

BASIN: Uinta

WELL TYPE: Developmental Well

BASIS OF PROSPECT: Oil Production @ Monument Butte Field

ELEVATION: GL: 5397' SUB: 10' KB: 5407'

SPUD DATE: August 24, 1994 @ 1930 MDT

TOTAL DEPTH/DATE: 5800' on September 1, 1994

TOTAL DRILLING DAYS: 8 TOTAL ROTATING HOURS: 140.25

STATUS OF WELL: Cased for Completion on September 2, 1994

CONTRACTOR: Union Drilling Company, Rig #17

TOOLPUSHER: Dave Gray

FIELD SUPERVISOR: Al Plunkett

MUD ENGINEER: Al Plunkett

MUD TYPE: Air/Foam from surface to 4110';  
KCL/Fresh Water from 4110' to TD.

WELLSITE GEOLOGIST: Roy L. Clement

PROSPECT GEOLOGISTS: Dave Bickerstaff and Keven K. Reinschmidt  
of Balcron Oil Company

MUDLOGGERS: Bob Keefe and Bill Piety of Chapman Exploration Services

**SAMPLING PROGRAM:** 50' samples from 1500' to 4100'; 10' samples from 4100' to 5800' (TD). All samples lagged and caught by mud loggers. One dry set of samples sent to the state of Utah.

**HOLE SIZE:** 12 1/4" to 375'  
7 7/8" to TD

**CASING:** 8 5/8" surface casing set at 362'  
5 1/2" production casing to Total Depth

**DRILL STEM TEST:** None

**CORE PROGRAM:** None

**ELECTRIC LOGGING PROGRAM:** 1.) LDT/CNL Log from 5768' - 3700'  
2.) DLL/MSFL from 5786' - 360'

**LOG TOPS:** Green River @ 1577'; Horsebench Ss @ 2299'; Second Garden Gulch @ 3944'; Y-3 @ 4290'; Y-5 @ 4488'; Yellow Marker @ 4578'; Douglas Creek @ 4740'; R-1 @ 4757'; R-5 @ 4937'; Second Douglas Creek @ 4986'; Green Marker @ 5162'; G-5 @ 5275'; Carbonate Marker @ 5590'; B-1 @ 5670'; TD @ 5801'.

**LOGGING COMPANY:** Schlumberger  
**LOGGING ENGINEER:** Steve Robinson

**CORRELATION WELL:** 1.) Gulf Energy Corp.  
MBF #1-33  
Nw Se Section 1, T9S, R16E

**DISTRIBUTION LIST:** Balcron Oil Company  
Attn: Dave Bickerstaff & Keven K. Reinschmidt  
Post Office Box 21017  
Billings, MT 59104

Balcron Oil Company  
Attn: Dale Griffin  
P.O. Box 416  
Roosevelt, UT 84066

State of Utah  
Division of Oil, Gas, and Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180

Wildrose Resources Corp.  
Attn: Kathleen L. Cox  
4949 S. Albion Street  
Littleton, CO 80121

Key Production Co.  
Attn: Tom Jordon  
1700 Lincoln Street, Suite 2050  
Denver, CO 80203-4520

Devon Energy Corp.  
Attn: Steve Blair  
20 N. Broadway, Suite 1500  
Oklahoma City, OK 73102-8260

Snyder Oil Corp.  
1625 Broadway, Suite 2200  
Denver, CO 80202

Trans Republic  
Attn: R.F. Bailey  
P.O. Box 3595  
Midland, TX 79702

Texaco Explor. & Prod.  
Attn: S.R. Meck  
P.O. Box 46555  
Denver, CO 80201-6555

BLM  
Attn: Ed Forsman  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

## WELL EVALUATION

The Balcron Monument Federal #32-1-J was a developmental well drilled within the Jonah Unit of Monument Butte Field. Operated by Balcron Oil Company, the #32-1-J was located in the SW NE of Section 1, T9S, R16E in Duchesne County, Utah. Primary objectives were the various sandstone members of the Green River Formation which are currently under going a water flood project for enhanced oil recovery in the Jonah Unit.

Balcron Oil spudded the Monument Federal #32-1-J on August 24, 1994 and a total depth of 5800' was reached after 8 days. On the basis of encouraging mud log shows, sample shows and E-Log evaluations, the #32-1-J was cased for completion operations on September 2, 1994.

### Zones of Interest:

The Y-3 Sand was present from 4290' to 4296'. Although only a slight gas increase of 11 units was recorded, poorly consolidated sandstone with dark brown oil staining was noted through this 6' interval. E-logs indicate 16 to 17% porosity in the Y-3. An additional 8' thick sand section was encountered at 4315', also resulting in a minor gas increase of 14 units. Samples were comprised of unconsolidated sands with light brown spotty oil stain. Porosity ranges from 14 to 20% at 4315' to 4323'.

The Y-5 Sand was topped at 4484' with a gas increase of 271 units. Oil on the pits was noted along with a poorly consolidated to unconsolidated sandstone. This interval was 12' thick averaging 15% porosity.

The R-1 Sands were relatively thin and poorly developed at 4757' to 4769'. A 213 unit net gas show was detected from the R-1 from unconsolidated sandstones with light brown oil staining.

The R-5, 4937' to 4947', was comprised of unconsolidated sandstones with 15 to 19% porosity and relatively clean gamma ray readings. Light brown oil staining and a 220 unit gas increase were noted from the R-5 pay.

The G-5 Sand was present from 5275' to 5289', averaging 20% porosity with a clean GR profile. A significant gas show of 1285 total units with the full range of components occurred from the G-5 along with oil on the reserve pit. Samples indicate a 14' thick section of unconsolidated sandstone with light brown oil staining.

A poorly developed B-1 Sand was encountered at 5674' with 2' of 13% porosity and a 191 unit net gas increase. Samples were comprised of unconsolidated sandstone with light brown spotty oil staining.

Conclusions:

1.) Based on gas readings, log evaluations and sample shows, the G-5 and R-5 Sands appear to have the best potential for oil production at the Balcron Monument Federal #32-1-J.

2.) Additional "pay" may be indicated in the Y Sands and further evaluation of these intervals through production casing is warranted.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Roy L. Clement", written over a horizontal line.

Roy L. Clement  
Wellsite Geologist

DAILY ACTIVITY

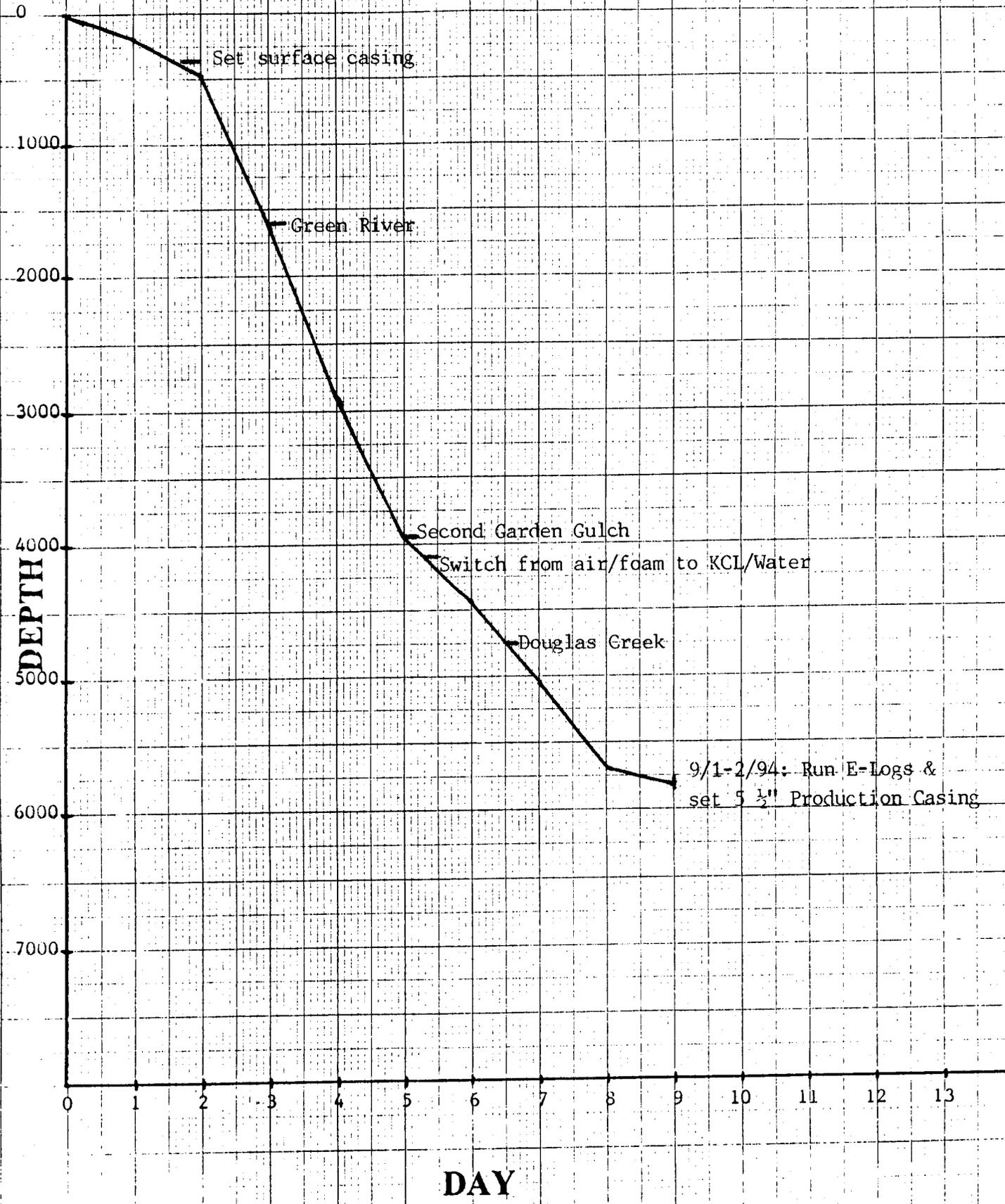
<u>DAY</u>	<u>DATE</u>	<u>DEPTH</u>	<u>PROG</u>	<u>BIT</u>	<u>WOB</u>	<u>RPM</u>	<u>PP</u>	<u>WT*</u>	<u>VIS</u>	<u>WL</u>	<u>ACTIVITY</u>	<u>FORMATION</u>	
0	8/24	0'	0'	1	4	20	110	8.5	27	n/c	Rig up, spud @ 1930 MDT		
1	8/25	200'	200'	2	8	20	200	8.5	27	n/c	Set surface casing		
2	8/26	470'	270'	3	43	60	200	8.5	27	n/c	Drill ahead	Uinta	
3	8/27	1651'	1181'	3	45	65	200	8.5	27	n/c	Trip for jets	Green R.	
4	8/28	2892'	1241'	3	45	60	200	8.5	27	n/c	Drill ahead	Green R.	
5	8/29	3954'	1062'	3	45	65	240	8.5	27	n/c	Mud up	Green R.	
6	8/30	4420'	466'	4	45	65	850	8.5	27	n/c	Drill ahead	Y-sands	
7	8/31	5041'	621'	4	45	65	900	8.5	27	n/c	Drill ahead	Douglas C.	
8	9/1	5700'	659'	4	45	65	900	8.5	27	n/c	Drill to TD	B Zone	
9	9/2	5800'	100'	----- Static, run E-Logs & set production casing -----									

\*Note: drilled with air and foam from surface to 4110', switched to KCL and fresh water at 4110'.

46 1470

FRANK ELLIOTT & ASSOCIATES

# TIME vs DEPTH



BIT RECORD

CONTRACTOR: UNION DRILLING, RIG #17

SPUD: 8/24/94 TOTAL DEPTH: 9/1/94 TOTAL ROTATING HOURS: 140.25

<u>BIT NO.</u>	<u>SIZE</u>	<u>TYPE/MAKE</u>	<u>JETS SIZE</u>	<u>SERIAL #</u>	<u>DEPTH OUT</u>	<u>FEET</u>	<u>HOURS</u>	<u>ACCUM HOURS</u>	<u>WOB</u>	<u>RPM</u>	<u>DEV</u>	<u>PP</u>	<u>T</u>	<u>B</u>	<u>G</u>
1	12 1/4	IR FB	open	??	150'	150'	3.75	3.75	5	40	-	170			BROKE
2	12 1/4	Rerun	open	733114	375'	225'	9.75	13.5	10	40	-	160			OK
3RR	7 7/8	SEC S88CFH	24 24 24	639483	4110'	3735'	66.75	80.25	45	65	-	200	2	2	I
3	7 7/8	HTC ATJ-44	12 12 12	P58WB	5800'	1690'	60.00	140.25	45	65	1 <sup>0</sup>	900	4	2	I

DEVIATION SURVEYS

<u>DEPTH</u>	<u>DEVIATION</u>
683'	$3/4^{\circ}$
1177'	$1^{\circ}$
1651'	$1/2^{\circ}$
2200'	$1\ 3/4^{\circ}$
2700'	$1\ 3/4^{\circ}$
3204'	$2\ 1/4^{\circ}$
3700'	$1\ 1/4^{\circ}$
4200'	$1\ 3/4^{\circ}$
4700'	$2^{\circ}$
5319'	$2^{\circ}$
5800'	$1\ 3/4^{\circ}$

FORMATION TOPS AND STRUCTURAL RELATIONSHIPS

SUBJECT WELL: Monument Federal #32-1-J; SW NE Sec 1, T9S, R16E KB: 5407'  
OFFSET #1: Gulf MBF #1-33; NW SE Sec 1, T9S, R16E KB: 5437'

<u>AGE and FORMATION</u>	<u>PROG</u>	<u>SAMPLE</u>	<u>E-LOG</u>	<u>DATUM</u>	<u>THICK</u>	<u>DIP TO OFFSET #1</u>
<b>TERTIARY</b>						
Uinta	Surface					
Green River	1610'	1600'	1577'	3830'	722'	-17'
Horsebench Ss	2315'	2310'	2299'	3108'	1645'	-34'
2nd Garden Gulch	3961'	3960'	3944'	1463'	32'	-33'
Y-3	4295'	4292'	4290'	1117'	6'	-45'
Y-5	-----	4484'	4488'	919'	12'	NP
Yellow Marker	4594'	4578'	4578'	829'	5'	-34'
Douglas Creek	4758'	4740'	4740'	667'	17'	-32'
R-1	4798'	4758'	4757'	650'	12'	- 9'
R-2	4839'	NP	--	--	--	--
R-5	4931'	4938'	4937'	470'	10'	NP
2nd Douglas Ck	5006'	4990'	4986'	421'	176'	-30'
Green Marker	5153'	5140'	5162'	245'	113'	-59'
G-5	-----	5278'	5275'	132'	14'	NP
Carbonate Mkr.	5609'	5590'	5590'	-183'	8'	-31'
B-1	5700'	5670'	5670'	-263'	6'	-20'

REFERENCE WELL

GULF ENERGY CORPORATION  
MBF #1-33  
NW SE SEC 1, T9S, R16E  
KB: 5437'

<u>AGE and FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>THICK</u>
<b>TERTIARY</b>			
Uinta	Surface		
Green River	1590'	3847'	705'
Horsebench Ss	2295'	3142'	1646'
2nd Garden Gulch	3941'	1496'	35'
Y-3	4275'	1162'	14'
Yellow Marker	4574'	863'	164'
Douglas Creek	4738'	699'	40'
R-1	4778'	659'	4'
R-2	4819'	618'	14'
2nd Douglas Creek	4986'	451'	421'
Green Marker	5407'	304'	182'
Carbonate Marker	5589'	-152'	8'
B-1	5680'	-243'	7'

## LITHOLOGY

**Sample Program:** 50' samples from 1500' to 4100' and 10' samples from 4100' to Total Depth. All samples were lagged and caught by a two man mud logging crew. Descriptions begin at 1500' in the Uinta Formation. Sample quality was fair to good unless noted other wise.

1500' - 1550'      **Sandstone:** light gray, clear, fine to medium grained, angular to sub angular, poor sorting, fair consolidation and calcareous cemented, micaceous, interbeds of Shale: light gray to gray orange, firm, blocky, slightly calcareous

1550' - 1600'      No Sample, bucket blown off bloeey line

**Sample Top: Green River @ 1600'**

1600' - 1651'      **Shale:** light to medium gray, graybrown to orangebrown, firm, blocky, dolomitic to calcareous, silty

**Note:** Tripped at 1651' for plugged jets.

1651' - 1700'      No sample, bucket blown off bloeey line

1700' - 1750'      **Shale:** light brown to orangebrown, firm, blocky, dolomitic to calcareous, silty in part, trace Pyrite and tan to cream Dolomite

1750' - 1900'      **Shale:** brown to graybrown, orangebrown, soft to firm, blocky to platy, calcareous to dolomitic, silty to pyritic, trace white calcite crystals

1900' - 2100'      **Shale:** orangebrown to graybrown, soft to firm, blocky to platy, dolomitic, abundant Pyrite, silty in part, occasional white to tan calcite crystals

2100' - 2310'      **Shale:** light to medium brown, orangebrown to graybrown, blocky to platy, firm, calcareous to dolomitic, silty in part, abundant Pyrite and calcite crystals

**Sample Top: Horsebench Sandstone @ 2310'**

2310' - 2360'      **Sandstone:** light gray to white, angular to sub angular, fine to medium grained, poor sorting, poorly consolidated to unconsolidated, calcareous to clayey, abundant mica and pyrite, interbeds of Shale

2360' - 2500'      **Shale:** light to medium gray, graybrown to

orangebrown, firm, blocky to platy, dolomitic, silty in part, trace pyrite and white calcite crystals

2500' - 2650'      Shale:      light to medium brown, graybrown to orangebrown, soft to firm, platy to blocky, dolomitic to marly, silty in part, trace pyrite and tan dolomite

2650' - 2760'      Dolomite:      tan to cream, microcrystalline, firm to slightly hard and siliceous in part, dense to slightly chalky, argillaceous to shaly, interbeds of Shale: as above

2760' - 2800'      Sandstone:      light gray to clear, salt and peppered in part, very fine to medium grained, sub angular, poor sorting, unconsolidated to poorly consolidated, micaceous, trace black asphalt, no fluorescence, slow yellowgreen streaming cut

2800' - 2850'      Shale:      light to medium brown, gray to graybrown, soft, platy to sub blocky, slightly calcareous, laminated, petroliferous, no fluorescence, yellowgreen streaming cut

2850' - 2985'      Shale:      light gray to graybrown, soft to firm, platy to blocky, calcareous to marly, silty to pyritic in part

2985' - 3025'      Sandstone:      light gray to white, sub angular to angular, fine to medium grained, poor sorting, poorly consolidated to unconsolidated, calcareous cement in part, micaceous to pyritic, trace black asphalt, dull yellow fluorescence, slow yellowgreen streaming cut

3025' - 3225'      Dolomite:      tan to cream, buff, crypto to microcrystalline, firm, slightly hard and siliceous in part, dense to slightly chalky, argillaceous to arenaceous, trace pin point vugular porosity, trace black asphaltic stain, dull yellow fluorescence, moderate yellowgreen streaming cut, interbedded with Shale: light to medium brown, graybrown, firm, blocky to platy, dolomitic to marly, abundant pyrite

3225' - 3300'      Siltstone:      light to medium gray, firm, calcareous, grading to very fine grained Sandstone

3300' - 3530'      Shale:      light to medium brown, graybrown, firm, blocky to platy, calcareous, trace pyrite, interbeds of Dolomite: cream to buff, microcrystalline, firm, dense to chalky, calcareous to limy, argillaceous

- 3530' - 3580'      Siltstone: light to medium gray, firm, calcareous, grading to very fine grained Sandstone
- 3580' - 3660'      Shale: light to medium gray, brown to graybrown, firm, platy to sub blocky, calcareous, occasional interbeds of Limestone: tan to cream, microcrystalline, firm, dense to chalky, argillaceous
- 3660' - 3740'      Sandstone: light gray to graybrown, clear, very fine to medium grained, angular to sub angular, poor sorting, predominantly unconsolidated, micaceous, trace dark brown asphalt, no fluorescence, occasional slow yellowgreen streaming cut, silty in part
- 3740' - 3900'      Shale: gray to graybrown, light brown, firm, platy to sub blocky, calcareous, silty, interbeds of Limestone: light brown to cream, cryptocrystalline, soft to firm, chalky to dense, argillaceous
- 3900' - 3960'      Siltstone: light to medium gray, graygreen, firm, calcareous, grading to very fine grained Sandstone

Sample Top: Second Garden Gulch @ 3960'

- 3960' - 4000'      Limestone: cream to buff, white in part, cryptocrystalline, soft, chalky to dense, argillaceous to shaly in part
- 4000' - 4055'      Siltstone: light to medium gray, firm, calcareous, grading to very fine grained sandstone in part
- 4055' - 4110'      Shale: brown to graybrown, firm, platy to blocky, calcareous to marly

Note: Trip at 4110' and switch from air/foam to KCL/water.

- 4110' - 4184'      Siltstone: light to medium gray, firm, calcareous, trace pyrite, grading to very fine grained sandstone in part
- 4184' - 4238'      Shale: light to medium brown, gray to graybrown, soft to firm, platy, calcareous, silty, trace pyrite, interbedded with Limestone: tan to cream, cryptocrystalline, firm, dense to chalky, argillaceous
- 4238' - 4246'      Sandstone: light brown to clear, very fine to fine grained, sub angular, fair sorting, poorly consolidated, slightly calcareous, micaceous, very poor visual porosity, dark brown uniform oil stain, dull

yellow to gold fluorescence, immediate  
yellowwhite streaming cut

4246' - 4292'      Shale:      light to medium gray, graygreen, firm, blocky to platy, calcareous, trace pyrite, silty and grading to Siltstone

Sample Top: Y-3 Sand @ 4292'

4292' - 4300'      Sandstone:      light to medium brown, very fine to medium grained, sub angular, poor sorting, poorly consolidated, slightly calcareous, micaceous, very poor visual porosity, dark brown uniform oil stain, dull gold to dull yellow fluorescence, immediate yellowwhite streaming cut

4300' - 4316'      Shale:      light to medium gray, firm, platy, calcareous, silty, pyritic

4316' - 4324'      Sandstone:      light brown, clear, fine grained, sub angular to sub rounded, fair sorting, unconsolidated, micaceous in part, light brown spotty oil stain, moderate yellowgreen fluorescence, immediate yellowgreen streaming cut

4324' - 4360'      Shale:      light to medium brown, graybrown, firm, blocky to sub platy, calcareous, silty in part, interbeds of Limestone: cream to buff, cryptocrystalline, soft, chalky to dense, argillaceous, trace Ostracods

4360' - 4380'      Siltstone:      light to medium gray, firm, calcareous, pyritic, grading to very fine grained Sandstone in part

4380' - 4420'      Shale:      gray to graybrown, brown in part, soft to firm, platy to blocky, calcareous, silty in part, occasional interbeds of tan to cream Limestone

4420' - 4450'      Shale:      brown to dark brown, firm, blocky, calcareous, silty in part

4450' - 4472'      Shale:      medium to dark brown, soft, platy, slightly calcareous, carbonaceous

4472' - 4484'      Siltstone:      light gray to graywhite, firm, calcareous, grading to Sandstone in part

Sample Top: Y-5 Sand @ 4484'

4484' - 4496'      Sandstone:      light brown to graybrown, clear, fine to medium grained, sub angular to sub rounded, poor sorting, poorly consolidated to unconsolidated, light brown spotty oil stain and oil on pit, moderate yellowgreen fluorescence, immediate

yellowgreen streaming cut, silty in part

- 4496' - 4530'      Siltstone: light to medium gray, firm to slightly hard, calcareous, grading to Sandstone in part
- 4530' - 4540'      No sample, work on mud pump
- 4540' - 4570'      Sandstone: light gray to clear, very fine to fine grained, sub angular, fair sorting, predominantly unconsolidated, grading to Siltstone
- 4570' - 4578'      Limestone: tan to cream, white in part, cryptocrystalline, soft, chalky

Sample Top: Yellow Marker @ 4578'

- 4578' - 4584'      Sandstone: light gray to graybrown, very fine to fine grained, sub angular, fair sorting, predominantly unconsolidated, trace brown spotty oil stain, no fluorescence, occasional slow yellowwhite streaming cut
- 4584' - 4614'      Siltstone: light to medium gray, firm, calcareous
- 4614' - 4618'      Sandstone: clear, fine to medium grained, angular to sub angular, poor sorting poorly consolidated, trace black asphaltic stain, no fluorescence, occasional slow yellowwhite streaming cut
- 4618' - 4650'      Siltstone: light gray to graywhite, firm to slightly hard, calcareous, grading to very fine grained Sandstone in part
- 4650' - 4740'      Shale: light to medium gray, graybrown in part, firm, platy to sub blocky, calcareous, trace Pyrite, silty and grading to Siltstone: as above

Sample Top: Douglas Creek @ 4740'

- 4740' - 4758'      Limestone: cream to buff, light brown, microcrystalline, soft to firm, chalky to earthy, argillaceous to shaly in part

Sample Top: R-1 Sand @ 4758'

- 4758' - 4770'      Sandstone: light brown, clear, very fine to fine grained, sub angular to sub rounded, poor sorting, predominantly unconsolidated, light brown oil stain, moderate yellowgreen fluorescence, yellowgreen streaming cut, silty in part
- 4770' - 4800'      Shale: light to medium gray, firm, platy, calcareous, trace finely disseminated Pyrite, silty, occasional thin interbeds of Sandstone: as above

- 4800' - 4816' Shale: brown to graybrown, firm, platy, calcareous, silty, carbonaceous in part, abundant finely disseminated Pyrite
- 4816' - 4840' Shale: light to medium gray, firm, platy, calcareous, very silty and grading to Siltstone
- 4840' - 4856' Shale: medium to dark brown, soft, platy, slightly calcareous, carbonaceous, trace Pyrite
- 4856' - 4886' Shale: light to medium gray, firm, platy, calcareous, silty, trace finely disseminated Pyrite
- 4886' - 4894' Sandstone: light to medium brown, very fine to fine grained, occasional medium grained, sub angular, poor to fair sorting, unconsolidated to poorly consolidated, micaceous, brown oil stain, yellow to yellowgreen fluorescence, immediate bright yellowgreen streaming cut
- 4894' - 4938' Shale: light to medium gray, firm, calcareous, silty, trace pyrite

Sample Top: R-5 Sand @ 4938'

- 4938' - 4946' Sandstone: light brown, very fine to fine grained, sub rounded, fair sorting, unconsolidated, light brown oil stain, yellowgreen spotty fluorescence, yellowgreen streaming cut
- 4946' - 4990' Shale: light to medium gray, firm, calcareous, very silty and grading to Siltstone

Sample Top: Second Douglas Creek @ 4990'

- 4990' - 5000' Shale: light to medium brown, graybrown, soft to firm, platy to sub blocky, calcareous to marly, silty, trace tan to cream Limestone
- 5000' - 5040' Shale: light to medium gray, firm, platy, calcareous, silty
- 5040' - 5066' Shale: medium to dark brown, soft to firm, platy, calcareous to marly, trace pyrite
- 5066' - 5108' Shale: light to medium gray, graybrown in part, firm, platy, calcareous, silty, abundant finely disseminated pyrite
- 5108' - 5140' Shale: medium to dark brown, dark graybrown to black, soft, blocky to platy, slightly calcareous, carbonaceous to petroliferous, no fluorescence, occasional slow weak yellowwhite diffuse cut

Sample Top: Green Marker @ 5140'

- 5140' - 5168'      Shale:      light to medium gray, firm, platy, calcareous, silty, trace cream to buff Limestone
- 5168' - 5200'      Shale:      gray to graybrown, firm, platy to blocky, calcareous, slightly silty, calcareous in part, abundant finely disseminated pyrite
- 5200' - 5278'      Siltstone:      light to medium gray, graywhite, firm, calcareous, grading to very fine grained Sandstone in part, interbeds of Shale: light to medium gray, firm, platy, calcareous, abundant pyrite

Sample Top: G-5 Sand @ 5278'

- 5278' - 5291'      Sandstone:      light brown, clear in part, very fine to fine grained, sub angular to sub rounded, fair to well sorted, unconsolidated, light brown oil stain through out and oil on reserve pit, moderate to bright yellowgreen fluorescence, immediate bright yellowgreen streaming cut
- 5291' - 5352'      Shale:      light to medium gray, light graybrown in part, firm, platy to sub blocky, calcareous, silty and grading to Siltstone in part, trace Pyrite
- 5352' - 5380'      Shale:      medium to dark brown, graybrown, soft, platy, slightly calcareous, abundant finely disseminated pyrite
- 5380' - 5422'      Shale:      light to medium gray, graybrown in part, soft to firm, platy, calcareous, silty, trace pyrite
- 5422' - 5490'      Shale:      dark brown to dark graybrown, black in part, soft, platy, slightly calcareous, carbonaceous to petroliferous, trace finely disseminated pyrite, no fluorescence, occasional slow yellowwhite streaming cut
- 5490' - 5526'      Shale:      light to dark graybrown, dark brown, soft to firm, platy to blocky, calcareous to marly in part, carbonaceous, silty in part
- 5526' - 5590'      Shale:      dark brown to black, dark graybrown, soft, platy to blocky, slightly calcareous, carbonaceous, silty in part

Sample Top: Carbonate Marker @ 5590'

- 5590' - 5598'      Limestone:      cream to light brown, white in part, microcrystalline, soft, chalky to earthy, argillaceous in part

5598' - 5636'      Siltstone: light gray to graywhite, firm, calcareous, grading to very fine grained Sandstone in part

5636' - 5670'      Sandstone: light gray to graywhite, fine to medium grained, sub rounded to sub angular, poor sorting, poorly consolidated to unconsolidated, calcareous to clay cement in part, micaceous, silty, trace black dead asphaltic stain

Sample Top: B-1 Sand @ 5670'

5670' - 5678'      Sandstone: clear to light brown, fine to medium grained, occasional coarse grains, sub round to sub angular, poorly sorted, predominantly unconsolidated, micaceous, light brown spotty oil stain, moderate yellowgreen spotty fluorescence, yellowgreen streaming cut

5678' - 5722'      Siltstone: light gray to graywhite, firm, calcareous, grading to very fine grained Sandstone

5722' - 5738'      Shale: dark brown to dark graybrown, soft, platy to fissile, slightly calcareous, carbonaceous, abundant finely disseminated pyrite

5738' - 5762'      Sandstone: light gray, clear, fine to medium grained, occasional coarse grains, sub rounded to sub angular, poor sorting, poorly consolidated to unconsolidated, calcareous cement in part, grading to Siltstone

5762' - 5800'      Shale: gray to graybrown, dark brown and carbonaceous in part, soft to firm, blocky to platy, calcareous, silty, pyritic

Note: Driller's total depth at 5800'. Circulate and condition hole for logging.

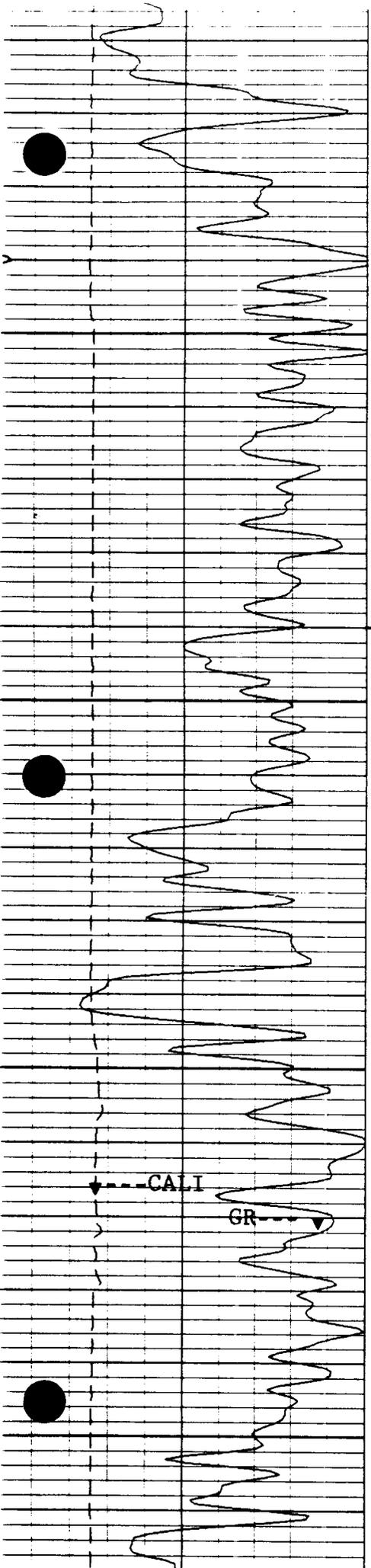




SIMULTANEOUS  
**COMPENSATED NEUTRON-  
LITHO-DENSITY**

DUCHESNE MONUMENT BUTTE GREEN RIVER 2143'FNL & 1987'FEL MONUMENT FEDERAL #32-1J BALCRON OIL COMPANY	<b>COMPANY</b> BALCRON OIL COMPANY <b>WELL</b> MONUMENT FEDERAL #32-1J <b>FIELD</b> MONUMENT BUTTE/GREEN RIVER <b>COUNTY</b> DUCHESNE <b>STATE</b> UTAH																							
<b>COUNTY</b> <b>FIELD</b> <b>LOCATION</b> <b>WELL</b> <b>COMPANY</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><b>LOCATION</b></td> <td colspan="4">2143'FNL &amp; 1987'FEL</td> <td rowspan="2" style="width: 15%;"><b>Other Services:</b> LDT/CNL DLL/MSFL</td> </tr> <tr> <td></td> <td colspan="4">SW NE</td> </tr> <tr> <td><b>API SERIAL NO.</b></td> <td><b>SECT.</b></td> <td><b>TWP.</b></td> <td><b>RANGE</b></td> <td colspan="2"></td> </tr> <tr> <td>N/A</td> <td>1</td> <td>9S</td> <td>16E</td> <td colspan="2"></td> </tr> </table>	<b>LOCATION</b>	2143'FNL & 1987'FEL				<b>Other Services:</b> LDT/CNL DLL/MSFL		SW NE				<b>API SERIAL NO.</b>	<b>SECT.</b>	<b>TWP.</b>	<b>RANGE</b>			N/A	1	9S	16E		
<b>LOCATION</b>	2143'FNL & 1987'FEL				<b>Other Services:</b> LDT/CNL DLL/MSFL																			
	SW NE																							
<b>API SERIAL NO.</b>	<b>SECT.</b>	<b>TWP.</b>	<b>RANGE</b>																					
N/A	1	9S	16E																					
<b>Permanent Datum</b> GROUND LEVEL Elev. 5397.0 F <b>Elev.:</b> K.B.5407.0 F <b>Log Measured From</b> KELLY BUSHING 10.0 F <b>above Perm. Datum</b> D.F.5406.0 F <b>Drilling Measured From</b> KELLY BUSHING G.L.5397.0 F																								
<b>Date</b>	01-SEP-1994																							
<b>Run No.</b>	ONE																							
<b>Depth Driller</b>	5800.0 F																							
<b>Depth Logger (Schl.)</b>	5801.0 F																							
<b>Btm. Log Interval</b>	5768.0 F																							
<b>Top Log Interval</b>	3700.0 F																							
<b>Casing-Driller</b>	8 5/8 IN @ 363.0 F		@		@																			
<b>Casing-Logger</b>	360.0 F																							
<b>Bit Size</b>	7 7/8 IN @		@		@																			
<b>Type Fluid in Hole</b>	KCL WATER																							
<b>Dens.</b>	<b>Visc.</b>	8.40 LB/G																						
<b>pH</b>	<b>Fld. Loss</b>																							
<b>Source of Sample</b>	FLOWLINE																							
<b>Rm @ Meas. Temp.</b>	.390 OHMM @ 84.0 DEGF				@																			
<b>Rmf @ Meas. Temp.</b>	.390 OHMM @ 84.0 DEGF				@																			
<b>Rmc @ Meas. Temp.</b>		@			@																			
<b>Source: Rmf</b>	<b>Rmc</b>	MEASURED	NONE																					
<b>Rm @ BHT</b>	.245 OHMM @ 138. DEGF				@																			
<b>TIME</b>	<b>Circulation Ended</b>	11:00 01-SEP-1994																						
	<b>Logger on Bottom</b>	15:07 01-SEP-1994																						
<b>Max. Rec. Temp.</b>	138. DEGF																							
<b>Equip.</b>	<b>Location</b>	8264	VERNAL, UT																					
<b>Recorded By</b>	S. ROBINSON																							
<b>Witnessed By</b>	AL PLUNKETT/ ROY CLEMENT																							

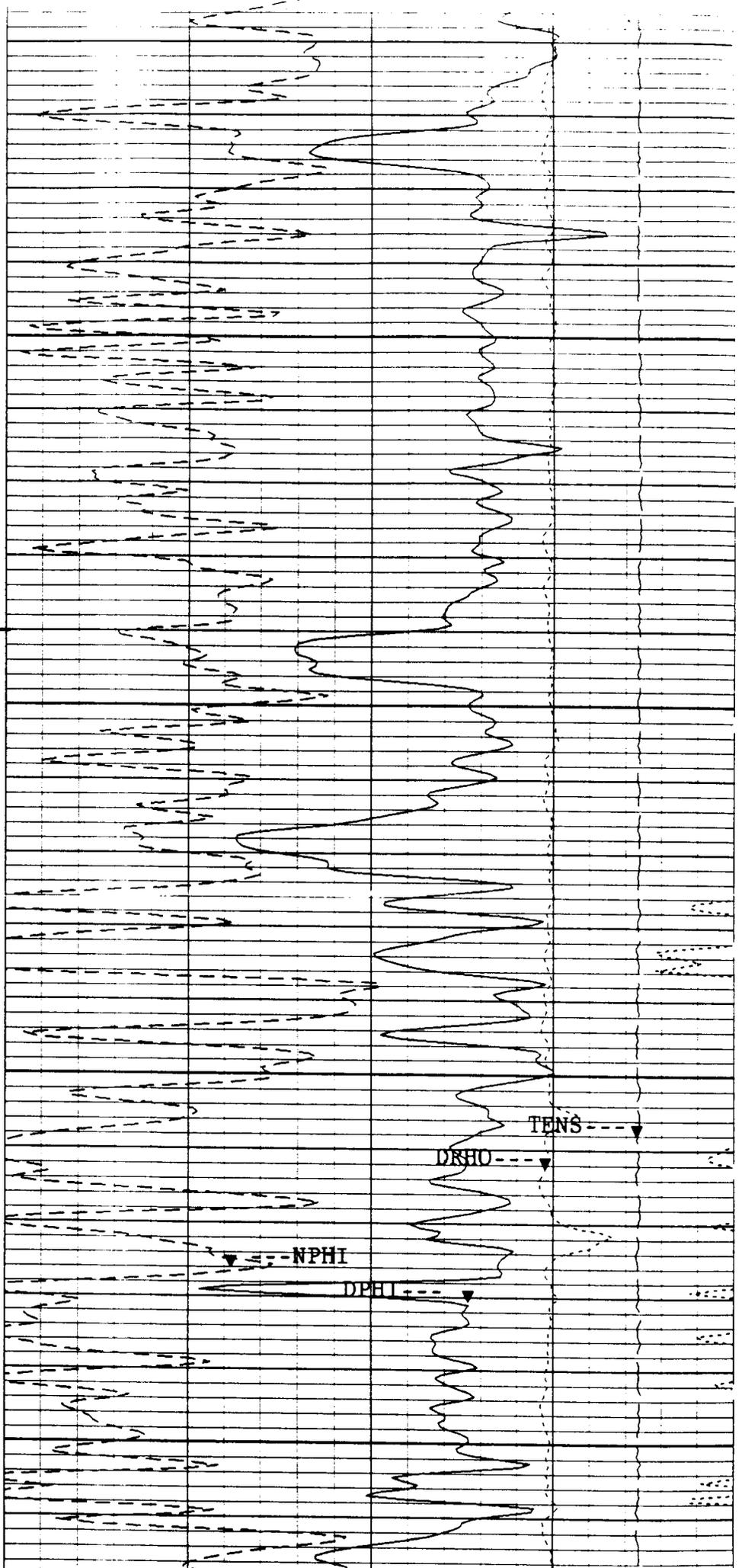
The well name, location and borehole reference data were furnished by the well owner.



Y 3

4300

4400



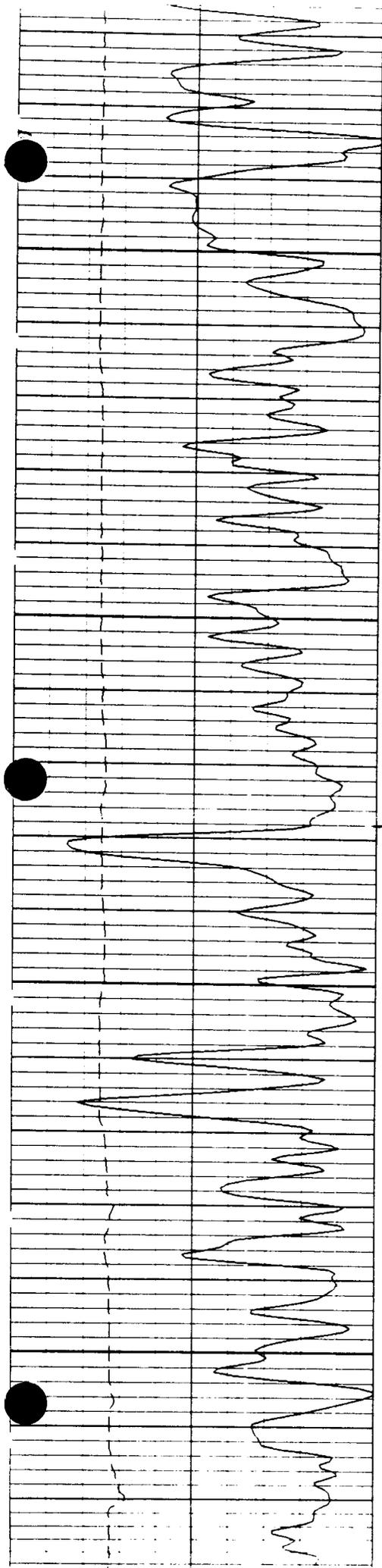
CALI

GR

NPFI

DRHO

TENS

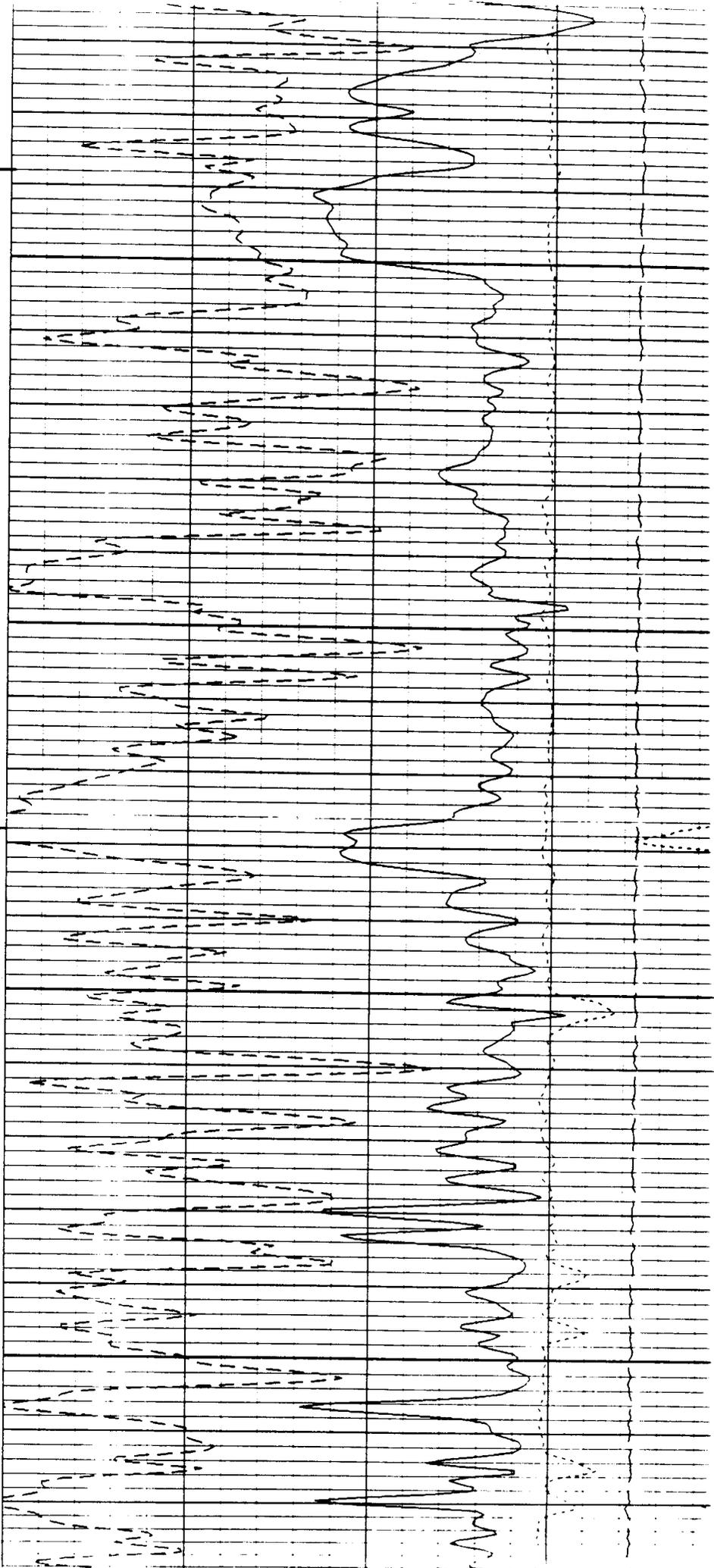


4-5

4500

Yellow  
MARKER

4600



Douglas  
Creek

R-1

CALI

OR

TENS

DRHO

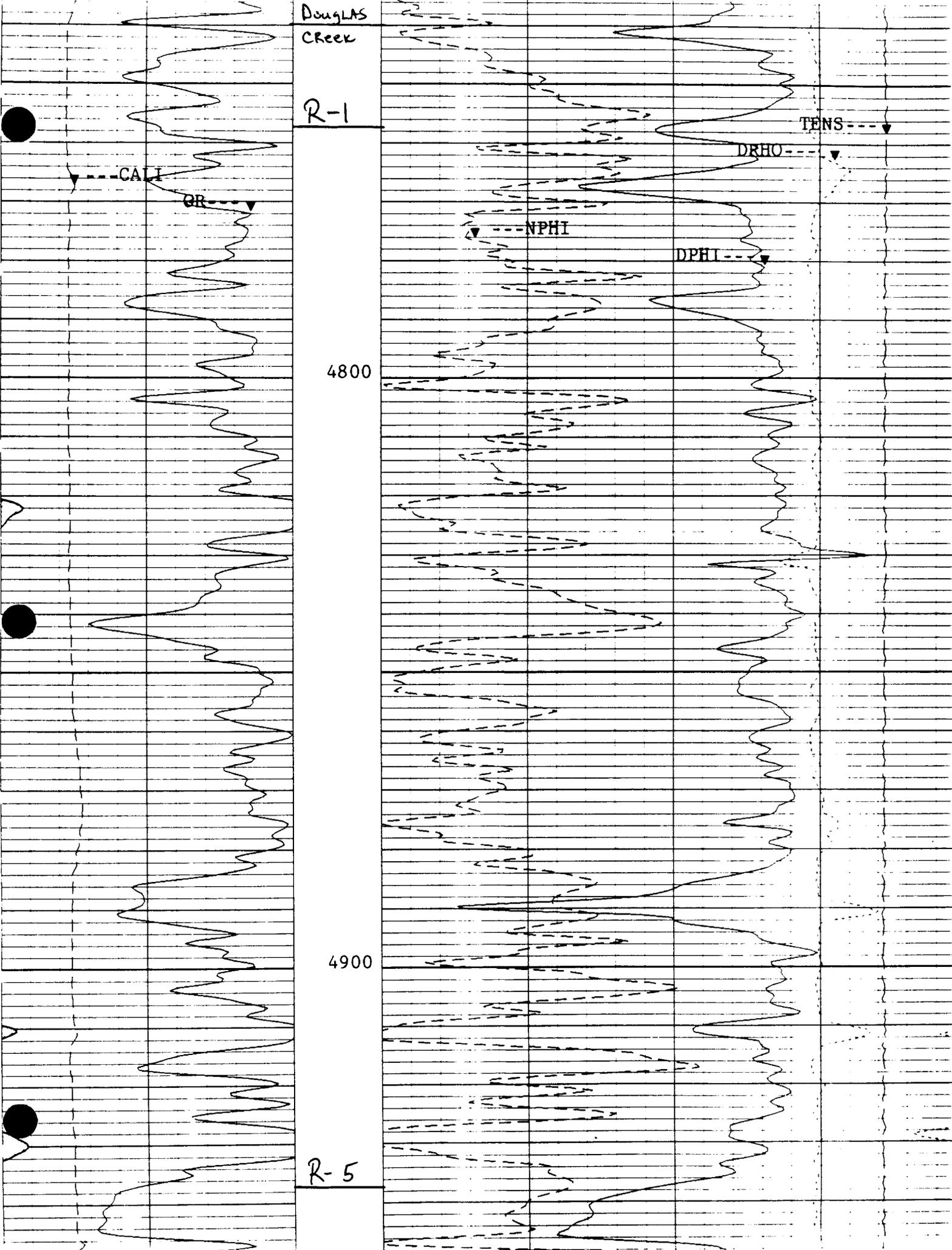
NPFI

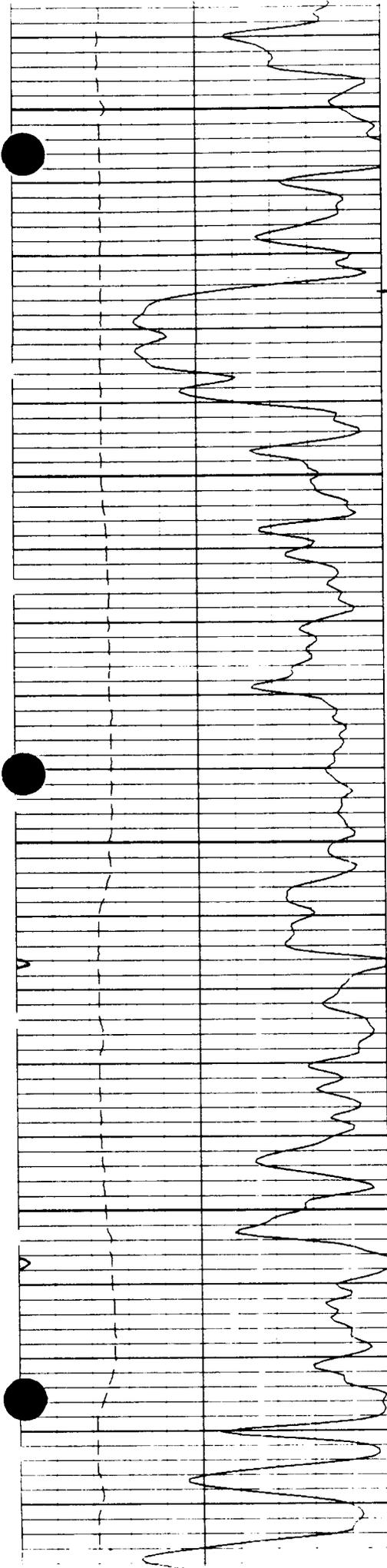
DPFI

4800

4900

R-5

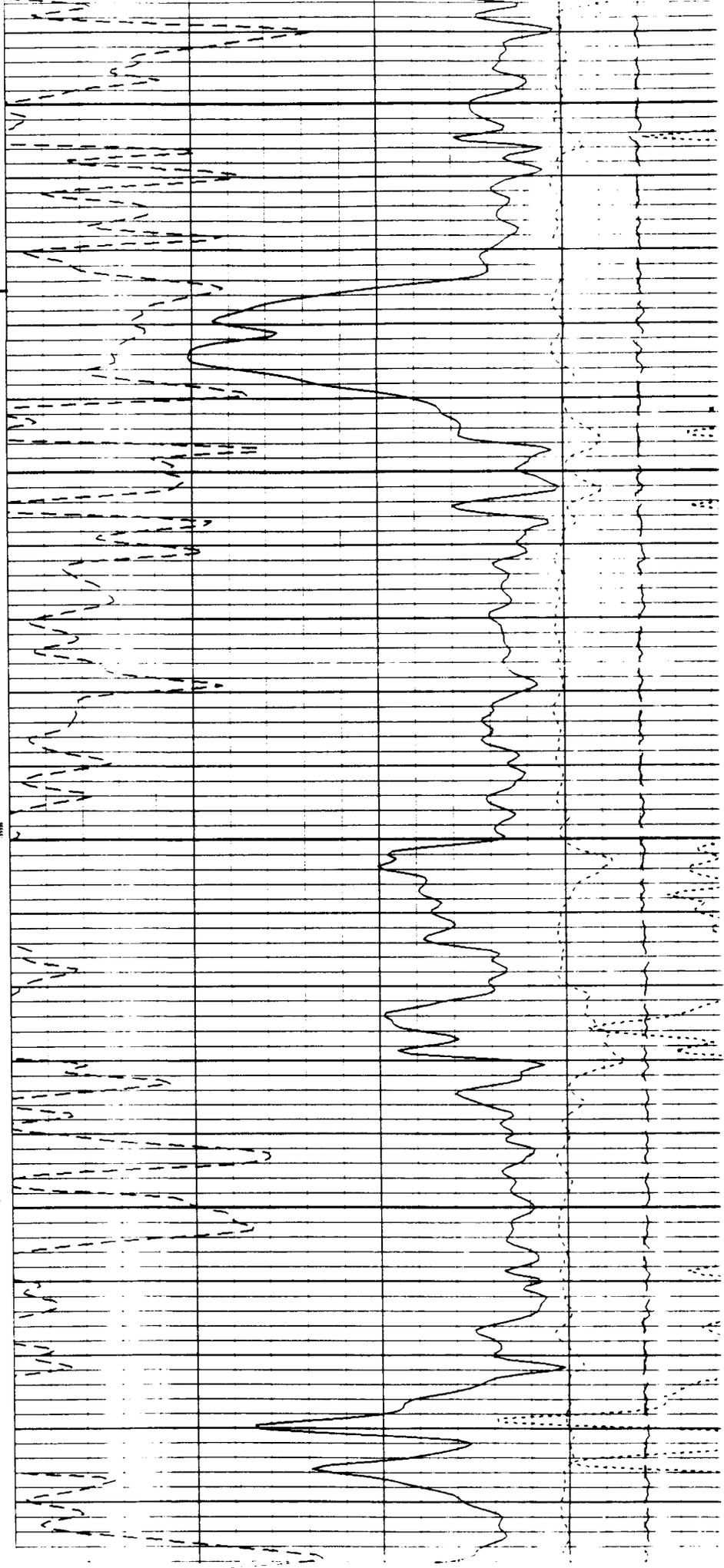




G-5

5300

5400



5500

CARBONATE  
MARBLE

5600

B-1

5700

---CAL

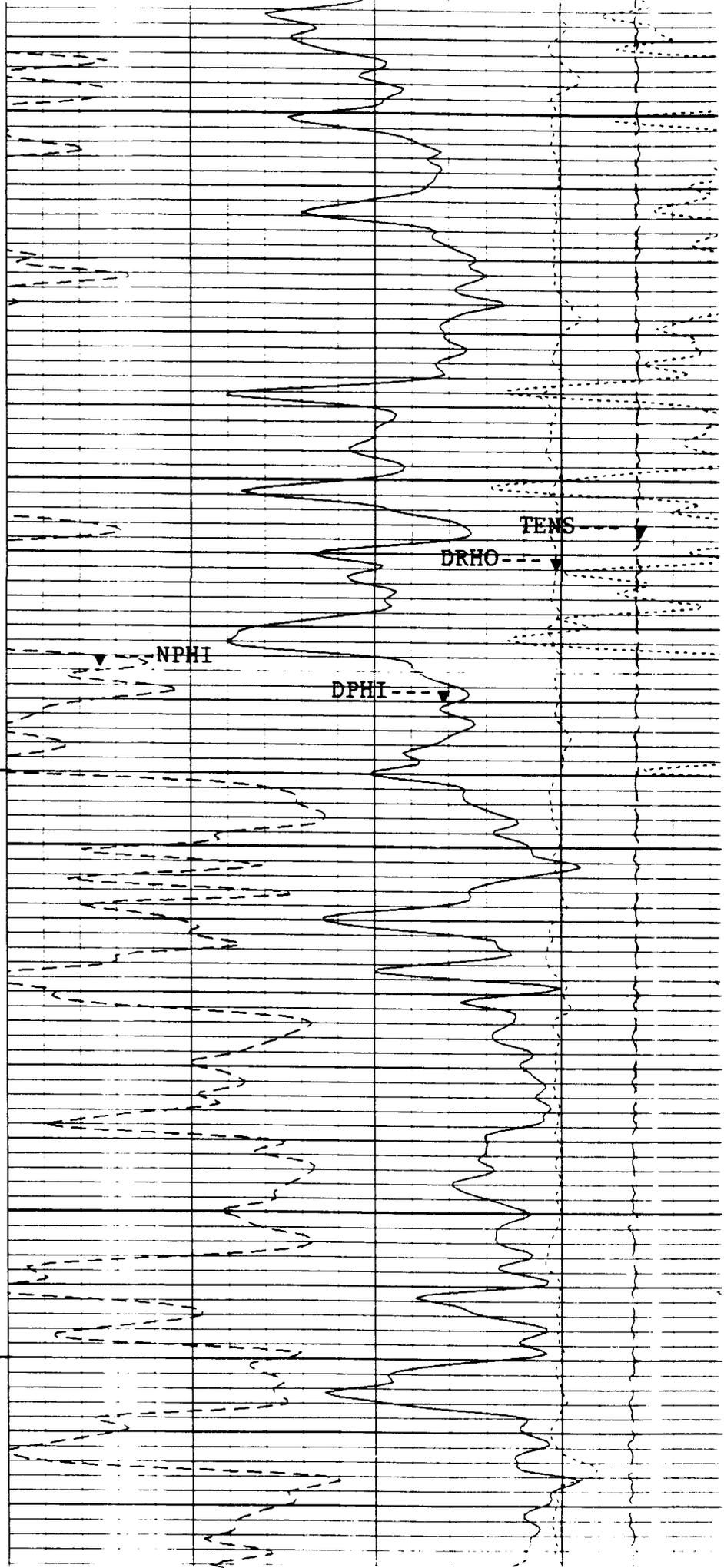
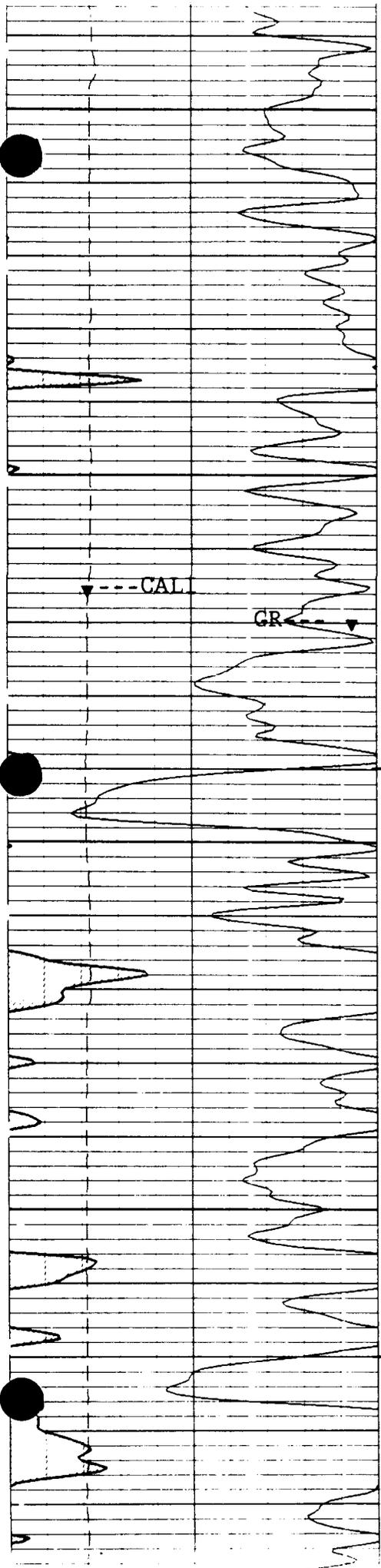
GR

NPFI

DPHI

DRHO

TENS



CLEMENT CONSULTING  
1907 SLIGO LANE  
BILLINGS, MONTANA 59106  
(406) 656-9514

RECEIVED

SEP 13 1994

DIVISION OF  
OIL, GAS & MINING

COMPANY: BALCRON OIL COMPANY  
WELL: BALCRON MONUMENT FEDERAL NO. 32-1-J  
LOCATION: SWNE (2143' FNL & 1987' FEL) SEC. 1 - T9S-R16E  
DUCHESNE COUNTY, UTAH  
DEPTH LOGGED: 1500' - 5800' DATE: 26 AUG 94 - 1 SEPT 94  
KB: 5407' GL: 5397'  
GEOLOGIST: ROY L. CLEMENT  
CONTRACTOR: UNION DRILLING RIG NO. 17  
DRILLING FLUID: AIR/FOAM 0' - 4110'  
KCL/WATER 4110' - 5800'

NO. ICI 3355

ВНЕШНОЕ МЕН. АДБК

ИНЖЕНЕРНО-ТЕХНИЧЕСКАЯ КОМПАНИЯ

ИНЖЕНЕРНО-ТЕХНИЧЕСКАЯ КОМПАНИЯ

ВНЕШНОЕ МЕН. АДБК

NO. ICI 3355

ВНЕШНОЕ МЕН. АДБК

Porosity

Oil Show

LOG TOPS

Sample Tops

API - GR

Drill Rate (min/ft)

8 5/8" Surface Casing set at 362'

Drig 7 7/8" borehole w/ Bit 3 S88CFH in at 375'

50' samples tagged & caught by mud loggers from 1500' - 4100'

Ss lt gy clr f-m gr ang - sub ang p srt fr consol calc cmt mica intbds of Sh

Green River 1600'

Sh lt-m gy gybrn - orngbrn frm blkly dol - calc sity

trip to check jets

8/27/94

Sh lt brn - orngbrn frm blkly dol - calc sity ip fr pyr & tn - crm Dol

WOB 45  
RPM 65  
PP 200

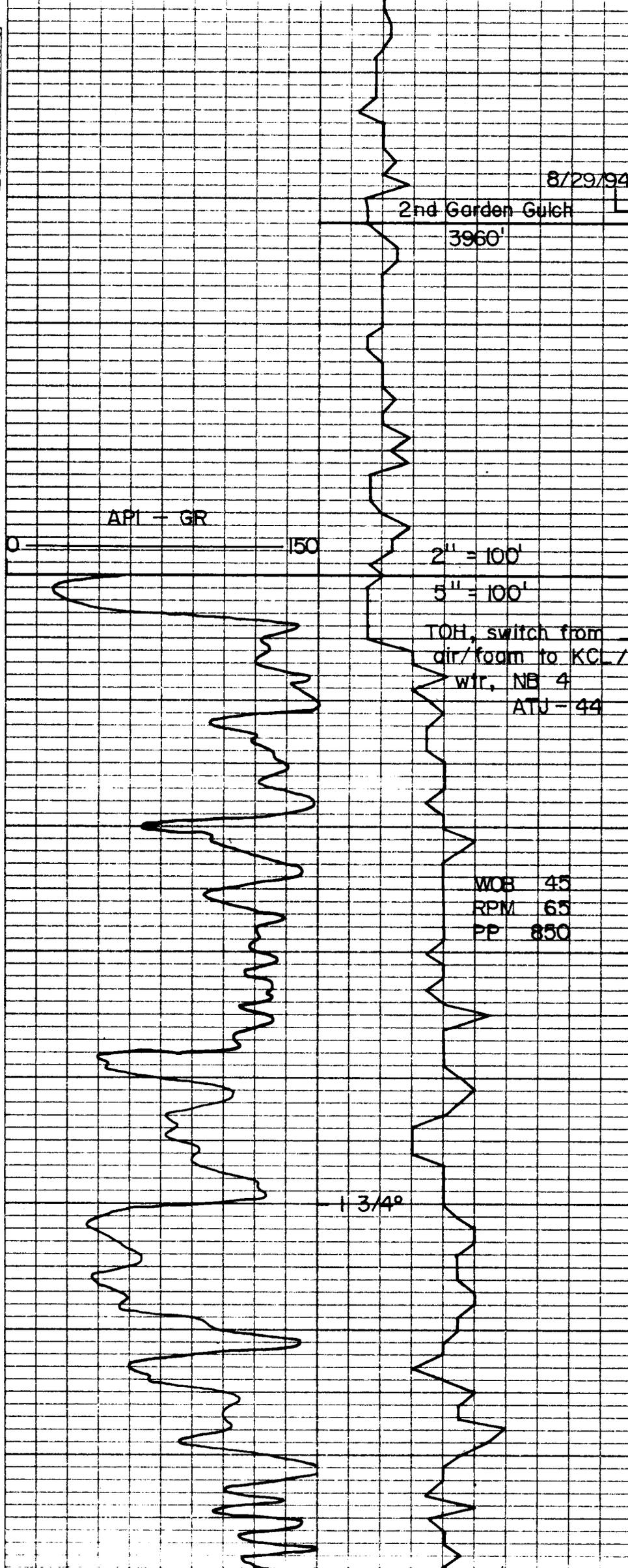
Sh brn - gybrn orngbrn sft - frm blkly - plty calc - dol sity pyr fr wh calc xl

Sh orngbrn - gybrn sft - frm blkly - plty dol abnt pyr sity ip occ wh - tn calc xl









3900  
 3960'  
 4000  
 4100  
 4200  
 50

Slst lt-m gy gygn frm calc grdg to vf gr Ss  
 8/29/94  
 2nd Garden Gulch  
 Ls crm - buf wh lp crpxl sft chky - dns org-shly ip  
 Slst lt-m gy frm calc grdg to vf gr Ss  
 API = GR  
 0 150  
 2" = 100'  
 5" = 100'  
 TOH, switch from air/foam to KCL/wtr, NB 4, ATJ-44  
 Sh brn - gybrn frm pity-biky calc - mrlly  
 Slst lt-m gy frm calc tr pyr grdg to vf gr Ss lp  
 MOB 45  
 RPM 65  
 PP 850  
 Sh lt-m brn gy - gybrn sft - frm pity calc slty tr pyr  
 Ls tn - crm crpxl frm dns - chky drg  
 Ss i brn - dr vf-f gr sub ang fr srt p consol sl calc mka vp vis ø dk brn uni p stn dull yet-gold flr imm velwh strd

Y-3 SAND  
4290' (1117')

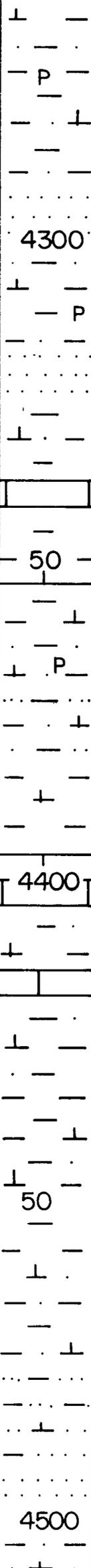
Y-3 Sand  
4292'

8/30/94

WOB 45  
RPM 65  
PP 900

Y-5 Sand  
4484'

Y-5 SAND  
4488' (919')



cut

Sh lt-m gy gygn frm  
biky - pity calc tr pyr  
sity

4300

Ss lt-m brn vf-m gr  
sub ang p srt p consol  
sl calc mica vp vis ø  
dk brn uni o stn dull  
gold - dull yel flor imm  
yelwh stmg cut

Ss lt brn clr f gr  
sub ang - sub rnd fr srt  
unconsol mica ip lt brn  
sply o stn mod yelgn flor  
imm yelgn stmg cut

50

Sh lt-m brn gybrn frm  
biky - sub pity calc  
sity ip intbds. of Ls

4400

Sstst lt-m gy frm calc  
pyr grdg to vf gr Ss ip

4400

Sh gy-gybrn brn ip  
sft-frm pity-biky calc  
sity ip occ intbds of  
tn-crm Ls

50

Sh brn - dk brn frm  
biky calc sity ip carb

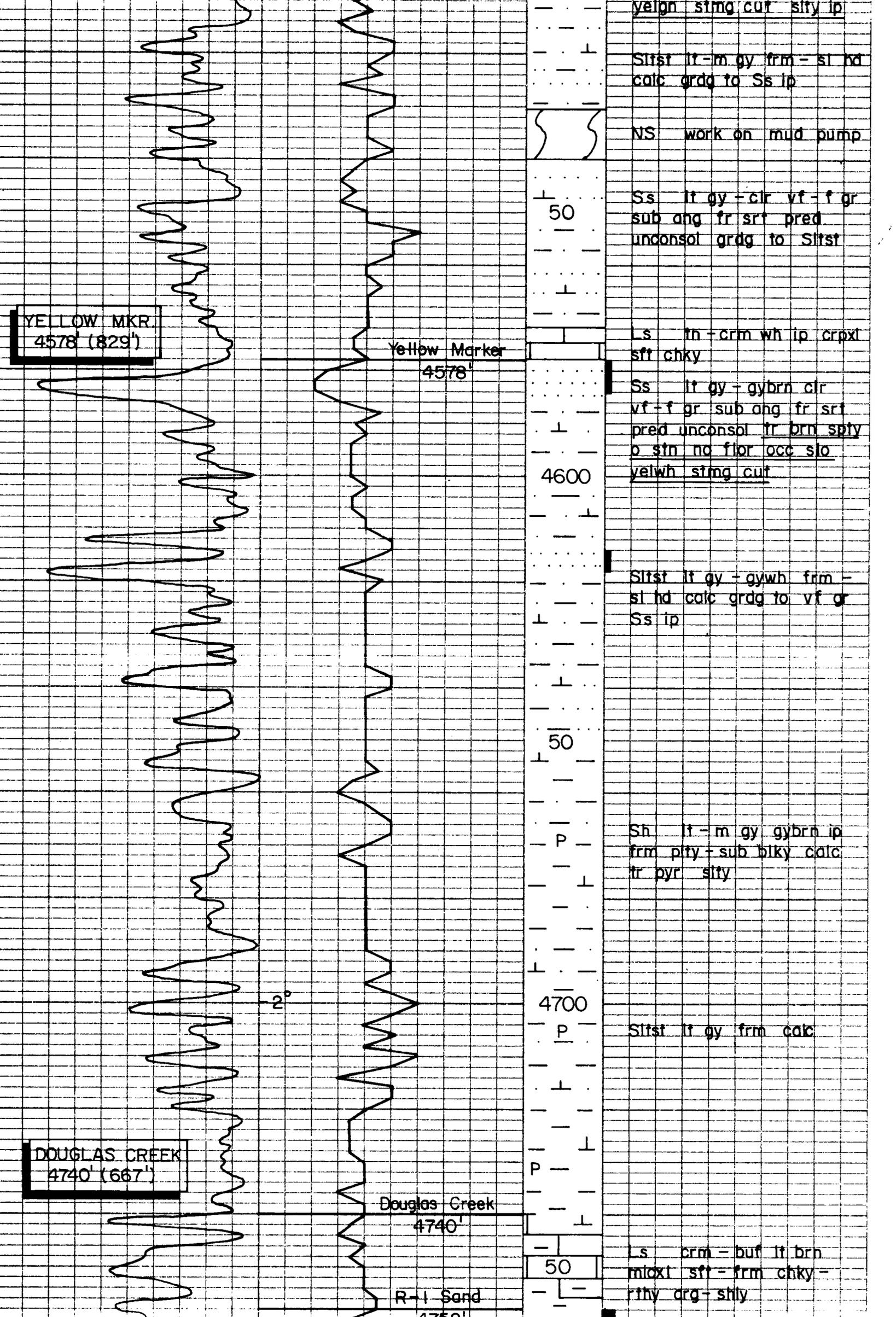
50

Sh m-dk brn sft pity  
sl calc carb

Sstst lt gy-gywh frm calc  
grdg to Ss

4500

Ss lt brn-gybrn clr  
f-m gr sub ang-sub rnd  
p srt p consol - unconsol  
lt brn sply o stn & o on  
plt mod yelgn flor imm



YELLOW MKR  
4578 (829')

Yellow Marker  
4578'

DOUGLAS CREEK  
4740 (667')

Douglas Creek  
4740'

R-1 Sand  
4750'

yelgn string cut slty ip

Sstst lt-m gy frm - sl hd calc grdg to Ss ip

NS work on mud pump

Ss lt gy - clr vf-f gr sub ang fr srt pred unconsol grdg to Sstst

Ls tn - crm wh ip crpxl sft chky

Ss lt gy - gybrn clr vf-f gr sub ang fr srt pred unconsol tr brn sply o stn no flor occ slo yelwh string cut

Sstst lt gy - gywh frm - sl hd calc grdg to vf gr Ss ip

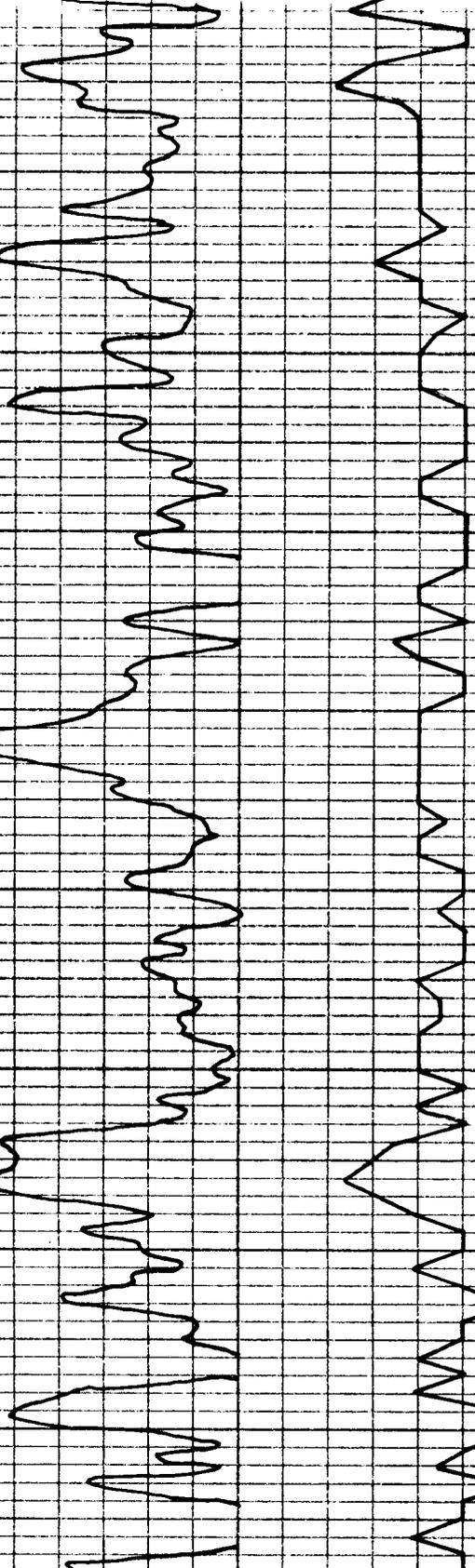
Sh lt-m gy gybrn ip frm pty - sub blk calc tr pyr slty

Sstst lt gy frm calc

Ls crm - buf lt brn mixt sft - frm chky - rthy arg - shly

NO. ICI 3355  
RECORDED  
STRABERG  
CORPORATION  
NEW YORK  
NO. ICI 3355

R-1 SAND  
4757' (650')



R-5 SAND  
4937' (470')

R-5 Sand  
4936'

2nd DOUGLAS CK  
4986' (421')

2nd Douglas Ck  
4990'

sub ang - sub rnd p srt  
 pred unconsol lt brn o stn  
 mod yeign flor yeign stmg  
 cut slty ip

Sh lt - m gy frm pty  
 calc tr f dis pyr occ thin  
 intbds of Ss a/a

4800

Sh brn - gybrn frm pty  
 calc slty carb ip abnt f  
 dis pyr

Sh lt - m gy frm pty  
 calc v slty & grad to  
 slst

50

Sh m - dk brn sft pty  
 sl calc carb tr pyr

Sh lt - m gy frm pty  
 calc slty tr f dis pyr

4900

Ss lt - m brn vf - f gr  
 sub ang occ m gr p - fr  
 srt unconsol - p consol  
 mica brn o stn yei - yeign  
 flor imm bri yeign stmg  
 cut

Sh lt - m gy frm calc  
 slty tr pyr

50

Ss lt brn vf - f gr  
 sub rnd fr srt unconsol  
 lt brn spty o stn yeign  
 spty flor yeign stmg cut

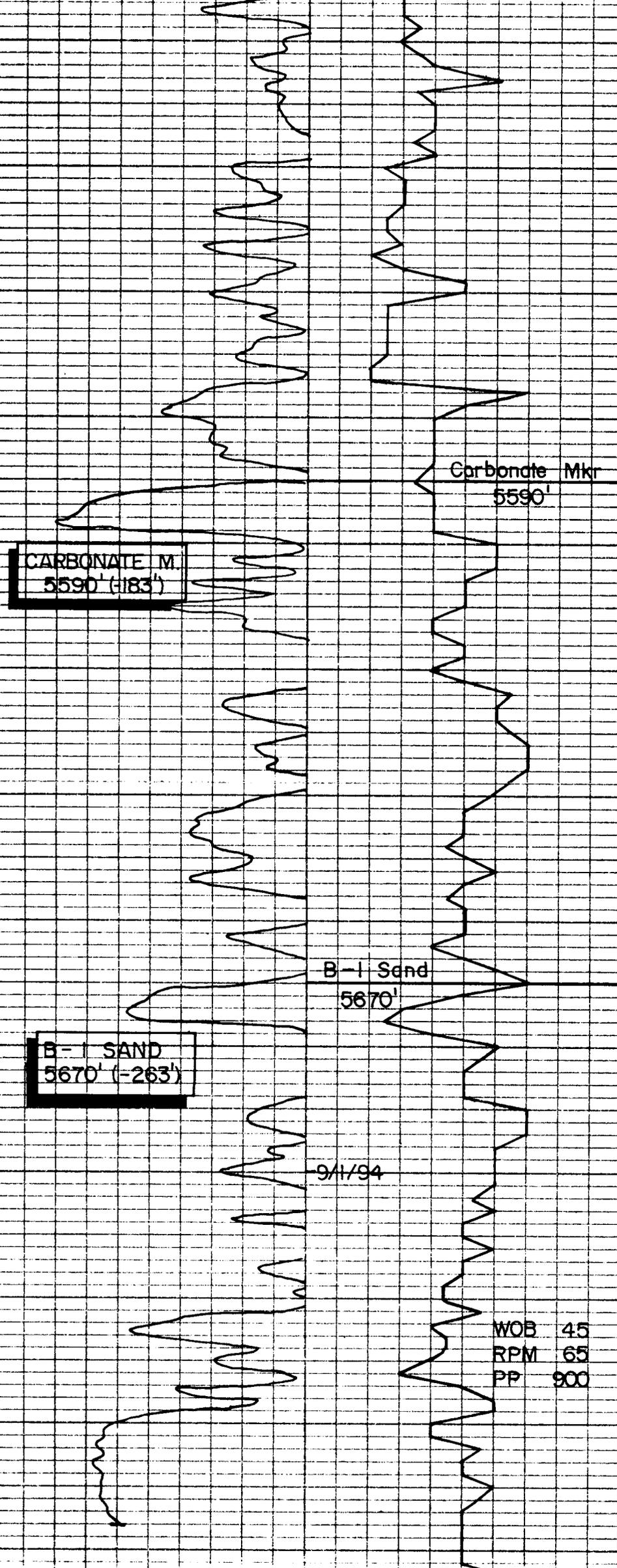
Sh lt - m gy frm calc  
 v slty & grad to slst

5000

Sh lt - m brn gybrn sft  
 frm pty - sub blk calc -  
 mrlly slty tr in - crm ls







Sh dk brn - blk dk gybrn  
 sft pty - blk sl calc  
 carb stly lp

Ls crm - lt brn wh lp  
 micxl sft chky - rthy arg lp

Slst lt gy - gywh calc  
 grdg to vf gr Ss

Ss lt gy - gywh f-m gr  
 sub rnd - sub ang p srt  
 p consol - unconsol calc  
 cly cmt lp mica stly  
 tr blk dd asph stn

Ss clr - lt brn f-m gr  
 occ c gr sub rnd - sub  
 ang p srt pred unconsol  
 mica lt brn spty oil stn  
 mod yelgn spty flwr yelgn  
 stmg cut

Slst lt gy - gywh frm  
 calc pyr grdg to vf  
 gr Ss

Sh dk brn - dk gybrn  
 sft pty - fis sl calc  
 carb abnt f dis pyr

Ss lt gy clr f-m gr  
 occ c gr sub rnd -  
 sub ang p srt p consol -  
 unconsol calc cmt lp  
 grdg to Slst

WOB 45  
 RPM 65  
 PP 900

CARBONATE M.  
 5590' (H183')

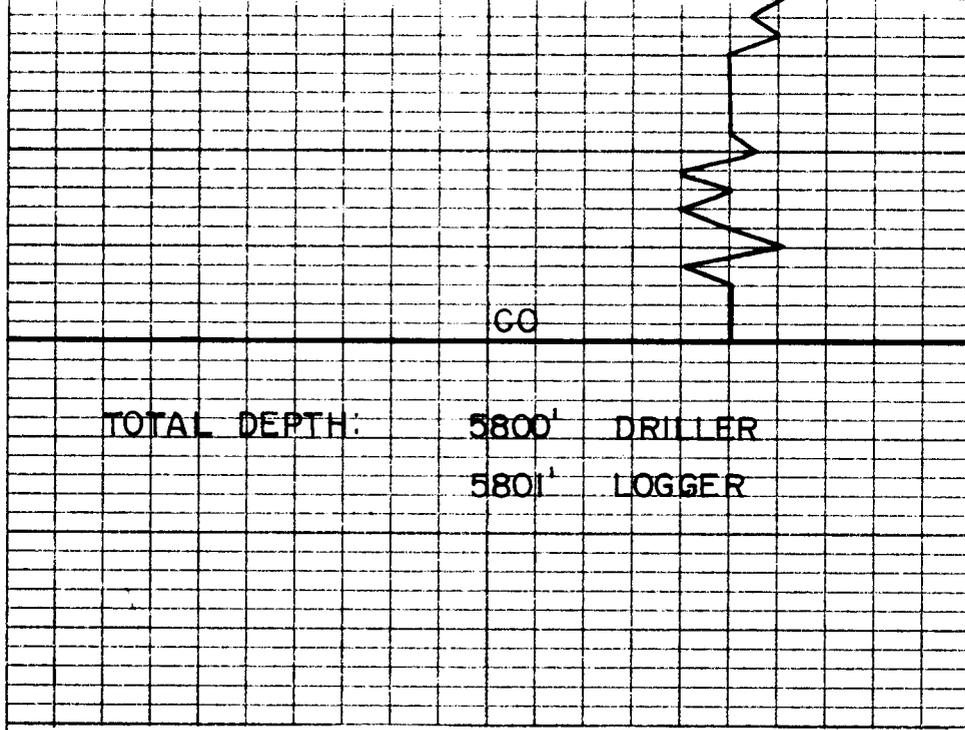
B-I SAND  
 5670' (=263')

Carbonate Mkr  
 5590'

B-I Sand  
 5670'

9/1/94

RECORDING CHAIR STRAIGHT RECORDING STRIP



L  
—  
P  
—  
L  
—  
—  
—  
P  
—  
5800

Sh gy-gybrn dk brn &  
carb ip sft-fm bkly -  
plty calc slty pyr

TOTAL DEPTH: 5800' DRILLER  
5801' LOGGER

9/1-2/94 RUN E-LOGS & SET  
5 1/2" PROD. CASING

MISSOURI

FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993  
 5. Lease Designation and Serial No. U-33992  
 6. If Indian, Allocated or Tribe Name n/a  
 7. If Unit or CA Agreement Designation Jonah Unit  
 8. Well Name and No. Balcron Monument Federal #32-1J  
 9. API Well No. 43-013-31414  
 10. Field and Pool, or Exploratory Area Monument Butte/Green River  
 11. County or Parish, State Duchesne County, Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT --" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: SW NE Section 1, T9S, R16E  
 TD: 2143' FNL & 1987' FEL

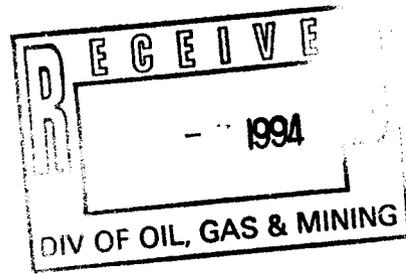
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Site Security Diagram</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the Site Security Diagram for this well.



14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad Title Operations Secretary Date 11-3-94  
(This space for Federal or State office use)

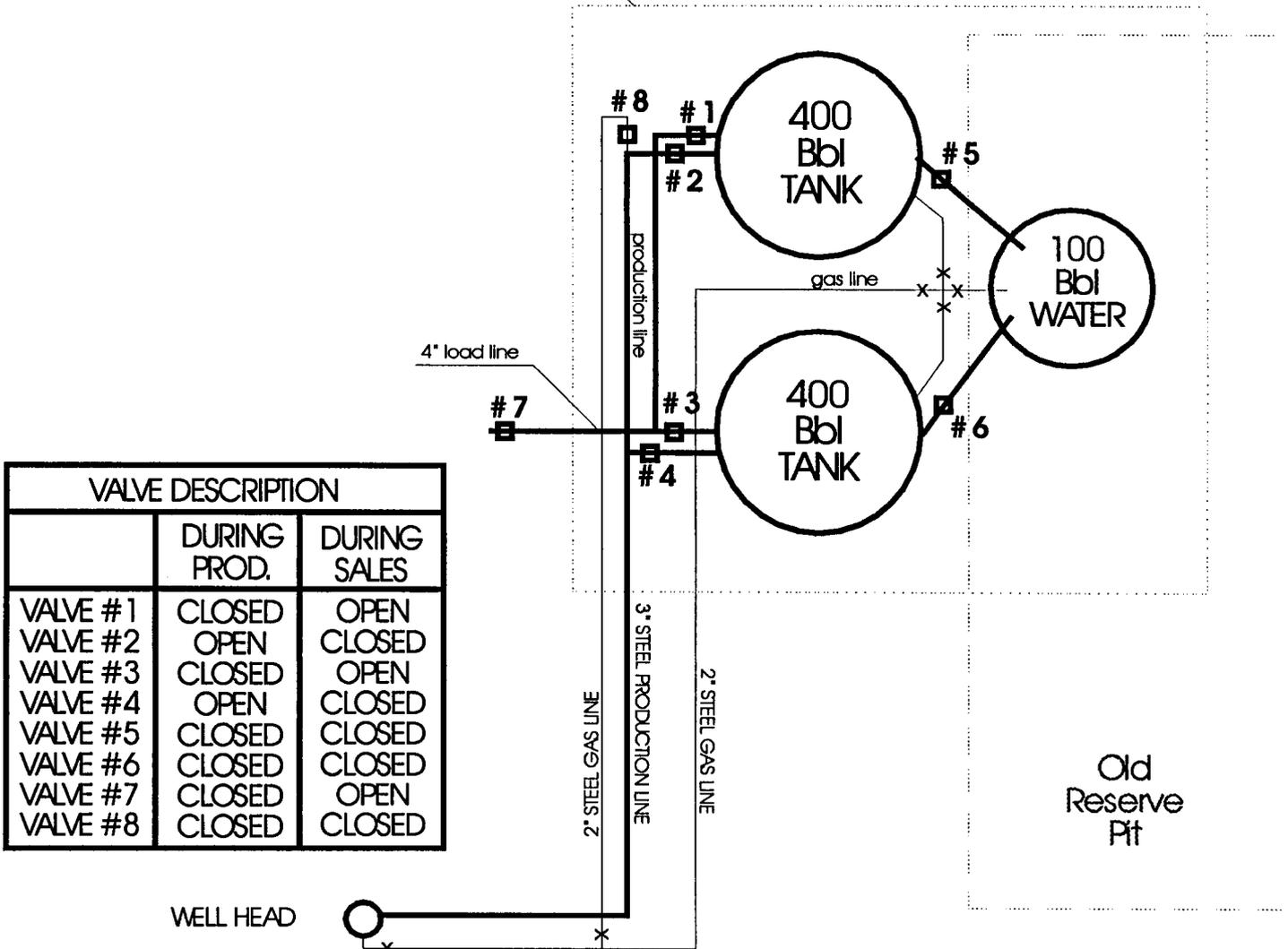
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any: \_\_\_\_\_

# Equitable Resources Energy Company Balcron Monument Federal 32-1J Production Facility Diagram

Balcron Monument Federal 32-1J  
SWNE Sec. 1, T9S, R16E  
Duchesne County, Utah  
Federal Lease #U-33992  
2143' FNL, 1987' FEL

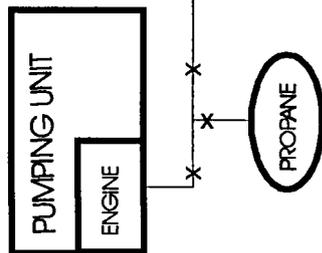


DIKE



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN
VALVE #8	CLOSED	CLOSED

WELL HEAD



ACCESS ROAD

DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

**REPORT OF WATER ENCOUNTERED DURING DRILLING**

1. Well name and number: Balcron Monument Federal #32-LJ

API number: 43-013-31414

2. Well Location: QQ SW NE Section 1 Township 9S Range 16E County Duchesne

3. Well operator: Equitable Resources Energy Company, Balcron Oil Division

Address: P.O. Box 21017

Billings, MT 59104

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations	

6. Formation tops: See Geological Report submitted separately.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 10-20-94

Name & Signature: Bobbie Schuman, *Bobbie Schuman*

Title: Regulatory and Environmental Specialist



**EQUITABLE RESOURCES  
ENERGY COMPANY**

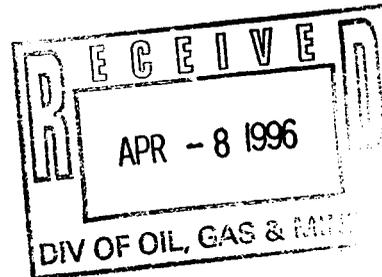
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

1. Type of Well: OIL  GAS  OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

OO, Sec., T., R., M.:

County: See attached list

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**NOTICE OF INTENT**  
(Submit in Duplicate)

Abandon  New Construction

Repair Casing  Pull or Alter Casing

Change of Plans  Recomplete

Convert to Injection  Reperforate

Fracture Treat or Acidize  Vent or Flare

Multiple Completion  Water Shut-Off

Other \_\_\_\_\_

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

Abandon  New Construction

Repair Casing  Pull or Alter Casing

Change of Plans  Reperforate

Convert to Injection  Vent or Flare

Fracture Treat or Acidize  Water Shut-Off

Other Operator name change

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman Title: Regulatory and Environmental Specialist Date: March 27, 1996

Bobbie Schuman

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEP 7-SJ
2	DPS 58-FILE
3	VLD (GIL)
4	RJE
5	LEP
6	FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)                       Designation of Agent  
 Designation of Operator                               ~~Operator Name Change Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>D13-31414</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yes 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Schloo Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date    19  . If yes, division response was made by letter dated    19  .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated    19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. 4/22/96
- DTJ 2. Copies of documents have been sent to State Lands for changes involving State leases. Sent to Ed Bonner - Trust Lands

FILMING

- WDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/6/04 Blm/BIA "Formal approval not necessary"

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
 EQUITABLE RESOURCES ENERGY  
 1601 LEWIS AVE  
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER:           N9890          

REPORT PERIOD (MONTH/YEAR):           3 / 96          

AMENDED REPORT  (Highlight Changes)

Well Name API Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ MONUMENT FEDERAL 14-5 4301331385 11492 09S 17E 5	GRRV					
✓ MONUMENT FEDERAL 24-12J 4301331409 11492 09S 16E 12	GRRV					
✓ BALCRON MONUMENT FEDERAL 31-1J 4301331413 11492 09S 16E 1	GRRV					
✓ MONUMENT FEDERAL 32-1J 4301331414 11492 09S 16E 1	GRRV					
✓ BALCRON MONUMENT FEDERAL 33-11J 4301331451 11492 09S 16E 11	GRRV					
✓ BALCRON MONUMENT FEDERAL 42-12J 91331486 11492 09S 16E 12	GRRV					
✓ BALCRON MONUMENT FEDERAL 41-12J 4301331487 11492 09S 16E 12	GRRV					
✓ BALCRON MONUMENT FEDERAL 12-7J 4301331493 11492 09S 17E 7	GRRV					
✓ FEDERAL 24-3Y 4301331397 11493 09S 17E 3	GRRV					
✓ FEDERAL 14-4 4304715678 11500 08S 25E 4	GRRV					
✓ E. RED WASH 1-5 4304720174 11500 08S 25E 5	GRRV					
✓ E. RED WASH FED 1-12 4304720207 11500 08S 24E 12	GRRV					
✓ E. RED WASH FED 1-6 4304720208 11500 08S 25E 6	GRRV					
<b>TOTALS</b>						

COMMENTS: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

UTAH

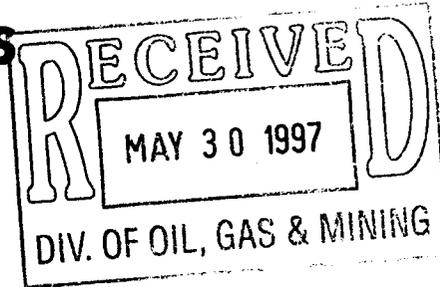
Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

May 27, 1997

Utah Board Of Oil, Gas, & Mining  
1594 West North Temple  
Suite-1220  
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit  
Beluga Secondary Recovery Unit  
Coyote Basin Secondary Recovery Unit  
Castle Draw (State Section-2) Pilot Waterflood  
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti  
District Production Engineer

## Water Analysis Report

*Jonah Unit*

**Customer :** EREC - Western Oil Company

**Field :** Monument Butte Field

**Address :** 1601 Lewis Avenue

**Lease :** Monument Federal Lease

**City :** Billings

**Location :** Well No. 32-01

**State :** MT      **Postal Code :** 59104-

**Sample Point :** wellhead

**Attention :** John Zellitti

**Date Sampled :** 23-Jan-97

**cc1 :** Dan Farnsworth

**Date Received :** 23-Jan-97

**cc2 :** Joe Ivey

**Date Reported :** 08-Feb-97

**cc3 :**

**Salesman :** Lee Gardiner

**Analyst :** Karen Hawkins Allen

CATIONS	ANIONS
Calcium : 80 mg/l	Chloride: 2,200 mg/l
Magnesium : 29 mg/l	Carbonate: 48 mg/l
Barium : 0 mg/l	Bicarbonate: 1,293 mg/l
Strontium : 0 mg/l	Sulfate: 108 mg/l
Iron : 1.0 mg/l	
Sodium : 1819 mg/l	
pH (field) : 8.18	Specific Gravity : 1.005 grams/ml
Temperature : 85 degrees F	Total Dissolved Solids : 5,578 ppm
Ionic Strength : 0.09	CO2 in Water : 1 mg/l
	CO2 in Gas : 0.03 mole %
Resistivity : ohm/meters	H2S in Water : 0.0 mg/l
Ammonia : ppm	O2 in Water : 0.000 ppm
Comments :	

**SI calculations based on Tomson-Oddo**

Calcite (CaCO3) SI :	2.12	Calcite PTB :	69.3
Gypsum (CaSO4) SI :	-2.43	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.  
Call if you need anything  
further.

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
MONUMENT BUTTE #22-12J	SENW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15796-00	UTU096550	UTU72086A
MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #13-11J	NWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15790-00	UTU096547	UTU72086A
MONUMENT BUTTE FED #31-1J	NW NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31413-00	UTU33992	UTU72086A
MONUMENT BUTTE FED #33-11J	NWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31451-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #41-12J	NE NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31487-00	UTU44426	UTU72086A
MONUMENT BUTTE FED #42-11J	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30066-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #42-12J	SENE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31486-00	UTU035521	UTU72086A
MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
MONUMENT BUTTE FED. #14-5	SWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31385-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
MONUMENT BUTTE FED. #23-5	NESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31383-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #24-12J	SESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31409-00	UTU035521A	UTU72086A
MONUMENT BUTTE FED. #32-1J	SWNE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31414-00	UTU33992	UTU72086A
MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
MONUMENT FEDERAL #12-7J	SWNW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31493-00	U-44426	UTU72086A

**OPERATOR CHANGE WORKSHEET**

Routing	
1-IEC ✓	6-VLC ✓
2-CH ✓	7-KAS ✓
3-DTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-IRB ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)
- Designation of Operator
- Designation of Agent
- Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION COMPANY</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS</u>
	Phone: <u>(801)722-5103</u>		Phone: <u>(406)628-4164</u>
	Account no. <u>N5160</u>		Account no. <u>N9890</u>

**WELL(S)** attach additional page if needed: **\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31414</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- Yec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- Yec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Yec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) \* UIC/Que Hro Pto 1-14-98 & UIC/DBase 1-14-98.*
- Yec 6. **Cardex** file has been updated for each well listed above.
- Yec 7. Well **file labels** have been updated for each well listed above.
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- Yec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

**ENTITY REVIEW**

- Y/c 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (GP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A/Y/c 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A/Y/c 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- Y/c 1. All attachments to this form have been **microfilmed**. Today's date: 2.3.98.

**FILING**

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

**COMMENTS**

980114 B7m/S4 Aprv. eff. 1-13-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ BALCRON MONUMENT FEDERAL 31-1J 4301331413	11492	09S 16E 1	GRRV			1133992	9mch (62) Unit	
✓ MONUMENT FEDERAL 32-1J 4301331414	11492	09S 16E 1	GRRV			"	↓	
✓ BALCRON MONUMENT FEDERAL 33-11J 4301331451	11492	09S 16E 11	GRRV			11096550		
✓ BALCRON MONUMENT FEDERAL 42-12J 4301331486	11492	09S 16E 12	GRRV			11035521		
✓ BALCRON MONUMENT FEDERAL 41-12J 4301331487	11492	09S 16E 12	GRRV			1144426		
✓ BALCRON MONUMENT FEDERAL 12-7J 4301331493	11492	09S 17E 7	GRRV			"		
FEDERAL 24-3Y 4301331397	11493	09S 17E 3	GRRV			1164381		
FEDERAL 14-4 4304715678	11500	08S 25E 4	GRRV			1141376		
VE. RED WASH 1-5 4304720174	11500	08S 25E 5	GRRV			11063597		
VE. RED WASH FED 1-12 4304720207	11500	08S 24E 12	GRRV			11038797		
VE. RED WASH FED 1-6 4304720208	11500	08S 25E 6	GRRV			1107439B		
COYOTE 1-12 4304720221	11500	08S 24E 12	GRRV			1158226		
VE. RED WASH FED 1-13 4304720222	11500	08S 24E 13	GRRV			11018073		
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

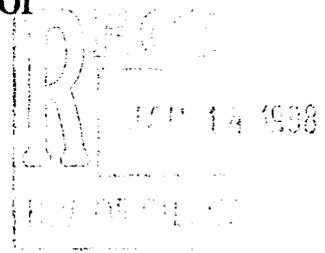
I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_  
 Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A		JONAH (GR) SECONDARY RECOVERY UNIT							
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: See Attached
2. Name of Operator: Inland Production Company	6. If Indian, Aliottee or Tribe Name: n/a
3. Address and Telephone Number: 475 - 17th Street, Suite 1500, Denver, CO 80202	7. Unit Agreement Name: See Attached
4. Location of Well Footages: See Attached Exhibit OO, Sec., T., R., M.:	8. Well Name and Number: See Attached
	9. API Well Number: See Attached
	10. Field and Pool, or Wildcat: See Attached
	County: State:

RECEIVED  
OCT 13 1997

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other <u>Change of Operator</u>	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Change of Operator</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion <u>9-30-97</u>
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)**

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :  
Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 13 1997

13. Name & Signature: Chris Potter **CHRIS A. POTTER, ATTORNEY-IN-FACT** Date: 9/30/97

This space for State use only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-33992**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**MONUMENT FEDERAL 32-1J**

9. API Well No.

**43-013-31414**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2143 FNL 1987 FEL                      SW/NE Section 1, T09S R16E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

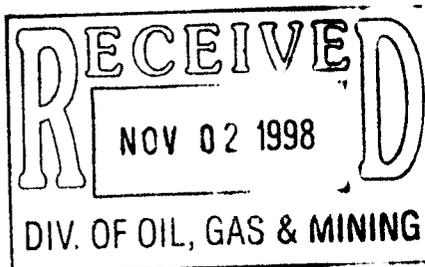
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Site Security**

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

*Debbie E. Knight*

Title

**Manager, Regulatory Compliance**

Date

**10/28/98**

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

Monument Federal 32-1J

SW/NE Sec. 1, T9S, 16E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

**Production Phase:**

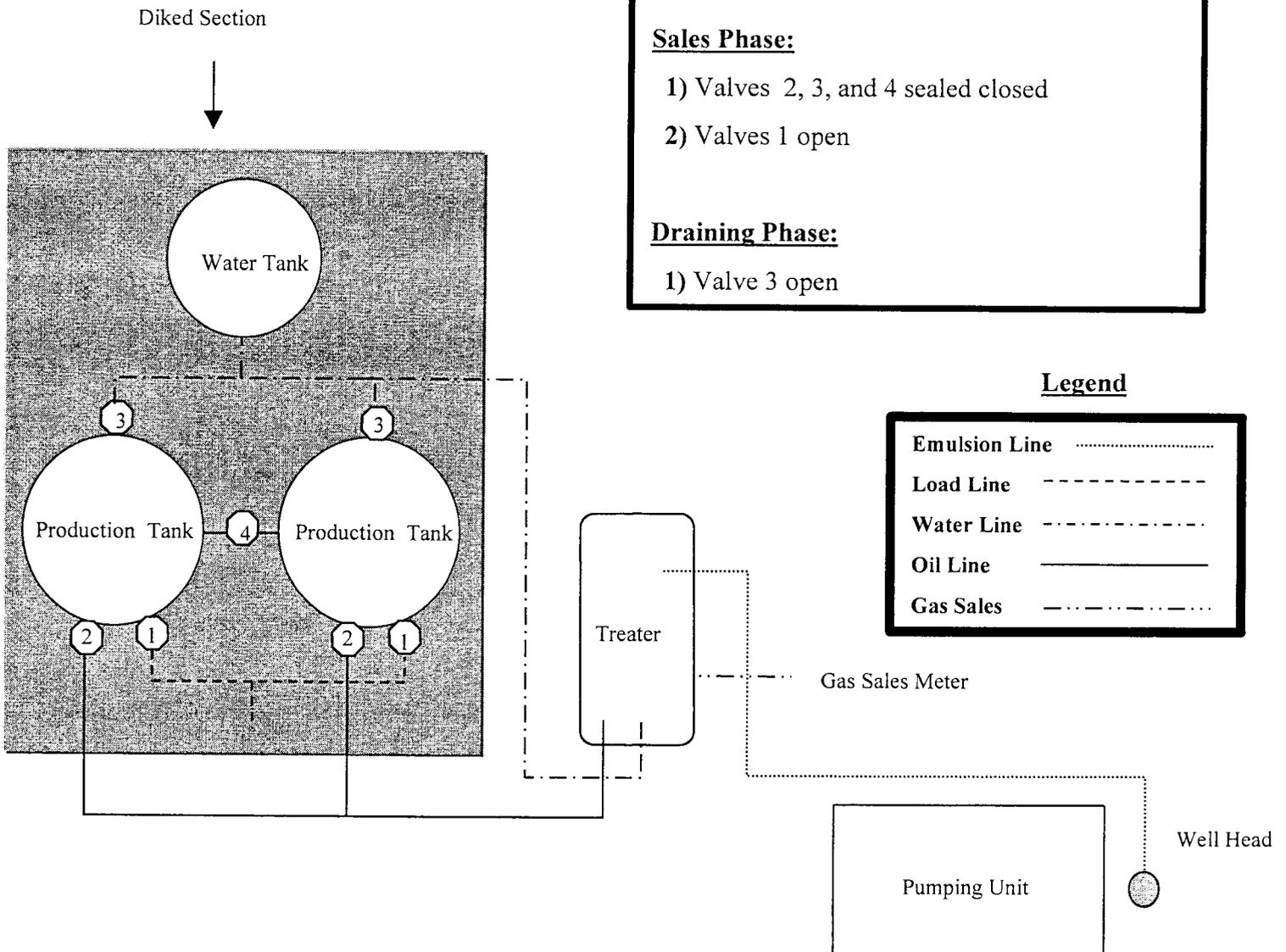
- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

**Sales Phase:**

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

**Draining Phase:**

- 1) Valve 3 open



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2143 FNL 1987 FEL SW/NE Section 1, T9S R16E**

5. Lease Designation and Serial No.

**U-33992**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**MONUMENT FED 32-1J**

9. API Well No.

**43-013-31414**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTA**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Subject well had recompletion procedures initiated in the Green River formation on 10/22/02. Existing production equipment was pulled from well. A bit & scraper was ran in well. Two new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: PB10 sds @ 4474'-4483' and 4488'-4501' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 61,000# 20/40 mesh sand in 474 bbls Viking I-25 fluid. Stage #2: GB4 sds @ 4222'-4227' and GB6 sds @ 4290'-4297' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 49,200# 20/40 mesh sand in 399 bbls Viking I-25 fluid. Fracs were flowed back through chokes. Top bridge plug was removed form wellbore & sand cleaned off lower interval. New intervals were swab tested for sand cleanup, then lower bridge plug was removed from wellbore. The same BHA & production tbg were ran and anchored in well W/ tbg anchor @ 5255', pump seating nipple @ 5323' and end of tubing string @5356 '. A repaired rod pump and revised rod string was ran in well. Well returned to production via rod pump on 10/28/02.

14. I hereby certify that the foregoing is true and correct.

Signed

*Gary Dietz*  
Gary Dietz

Title

Completion Foreman

Date

10/29/2002

CC: UTAH DOGM

**RECEIVED**

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

007 31 2002

Conditions of approval, if any:

CC: Utah DOGM

DIVISION OF

**OIL, GAS AND MINING**



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
-----------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------

**CA No.**

**Unit:**

**JONAH (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

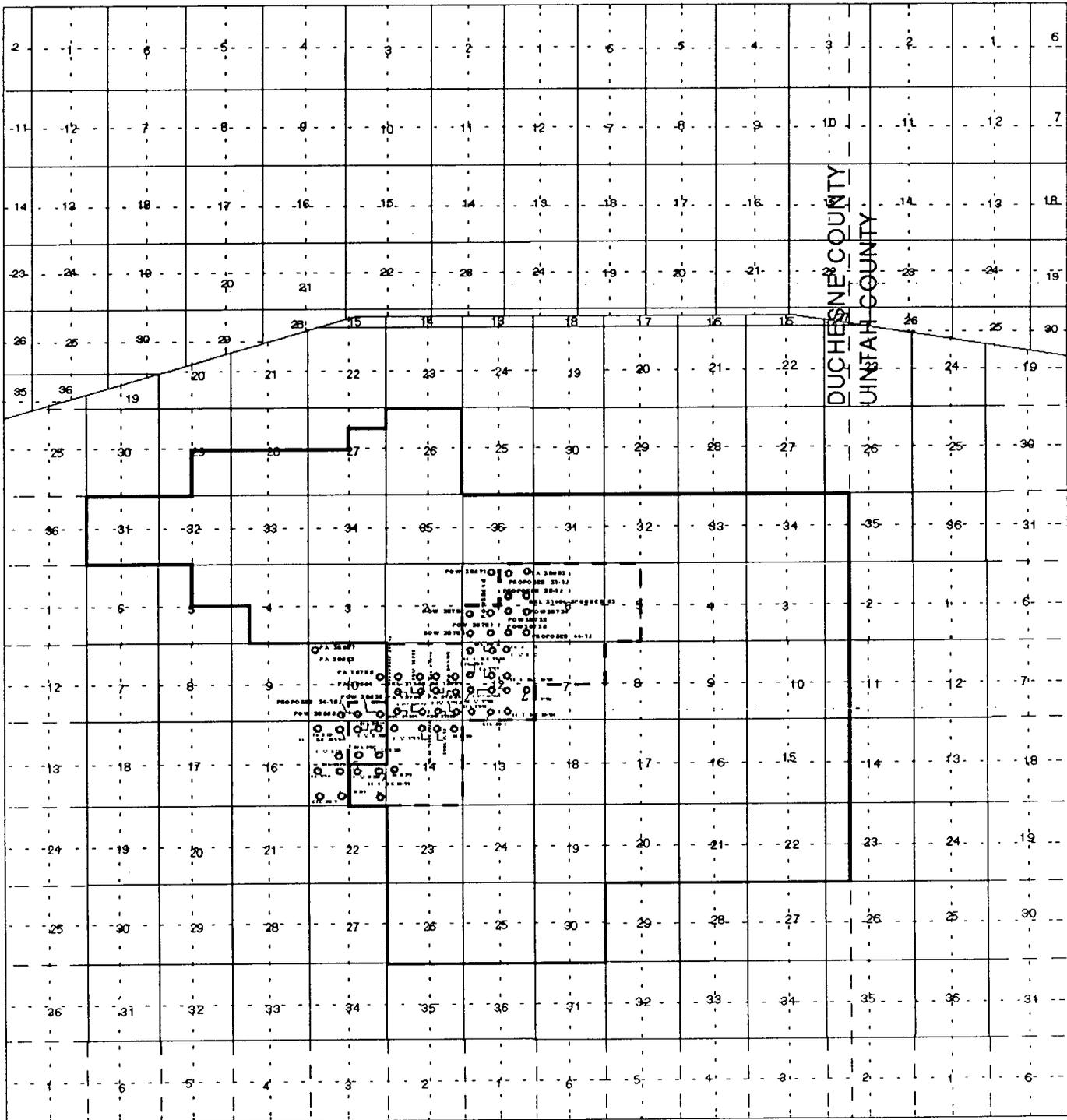
**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

# MONUMENT BUTTE

T 1 W

R 1 E



T 4 S

T 8 S

T 9 S

R 16 E

R 17 E

DUCHESNE COUNTY

FIELD 105 ACTIVE



March 4, 2010

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Monument Federal #32-1J-9-16  
Monument Butte Field, Lease #UTU-33992  
Section 1-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Federal #32-1J-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long, sweeping underline.

Eric Sundberg  
Regulatory Analyst

RECEIVED  
MAR 11 2010  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT FEDERAL #32-1J-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**

**LEASE #UTU-33992**

**March 4, 2010**

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ATTACHMENT E-5	WELLBORE DIAGRAM – JONAH FEDERAL #J-1-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – MONUMENT BUTTE #5-1-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #6-1-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – BALRON MONUMENT FEDERAL #42-1J-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – ALLEN FEDERAL #12-6-9-17
ATTACHMENT E-10	WELLBORE DIAGRAM – FEDERAL #1-23-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #1-33-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #1-43-9-16
ATTACHMENT E-13	WELLBORE DIAGRAM – FEDERAL #1-24-9-16
ATTACHMENT E-14	WELLBORE DIAGRAM – MONUMENT BUTTE #1-34-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED 9/8/94-9/23/94
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Monument Federal #32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (353.65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL

### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5225.43')  
 TUBING ANCHOR: 5235.43'  
 NO. OF JOINTS: 2 jts (66.20")  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5304.43' KB  
 NO. OF JOINTS: 1 jts (33.07')  
 TOTAL STRING LENGTH EOT @ 5339.05'

### FRAC JOB

9/10/94	5276'-5288'	<b>Frac zone as follows:</b> 17,640# 20/40 sand + 20,540# 16/30 sand in 352 bbls gelled KCl fluid. Treated @ avg press of 2550 psi w/avg rate of 30.7 BPM. ISIP 2250 psi.
9/14/94	4786'-4946'	<b>Frac zone as follows:</b> 26,800# 16/30 sand in 128 bbls gelled KCl fluid. Treated @ avg press of 3000 psi w/avg rate of 29.5 BPM. ISIP 2200 psi.
10/12/00		Tubing leak. Update rod and tubing details.
10/24/02	4474'-4501'	<b>Frac PB zones as follows:</b> 61,000# 20/40 sand in 474 bbls 1-25 viking fluid. Treated @ avg press of 2200 psi w/avg rate of 26.5 BPM. ISIP 2400 psi. Calc flush: 4474 gal. Actual flush: 4410 gal.
10/24/02	4222'-4297'	<b>Frac GB zones as follows:</b> 49,200# 20/40 sand in 399 bbls 1-25 viking fluid. Treated @ avg press of 2075 psi w/avg rate of 26.5 BPM. ISIP 2180 psi. Calc flush: 4222 gal. Actual flush: 4116 gal.
08/31/05		Tbg leak
12/07/05		Pump Change. Detail Rod and tubing update.
03/23/07	Tubing Leak	Updated Rod & Tubing Details
12/3/08		Tubing Leak. Updated rod & tubing Details.

Cement Top @ 1882'

Packer @ 4172'

4222'-4227'

4290'-4297'

4474'-4483'

4488'-4501'

4786'-4788'

4938'-4946'

5276'-5288'

### PERFORATION RECORD

9/09/94	5276'-5288'	4 JSPF	48 holes
9/13/94	4938'-4946'	4 JSPF	10 holes
9/13/94	4786'-4788'	4 JSPF	3 holes
10/24/02	4488'-4501'	4 JSPF	52 holes
10/24/02	4474'-4483'	4 JSPF	36 holes
10/24/02	4290'-4297'	4 JSPF	28 holes
10/24/02	4222'-4227'	4 JSPF	20 holes

Note: It was discovered on 2/6/03 that the GB-6 zone from 4314-23 was not opened during the last recompletion procedure.

Top of Fill: 5690'

PBTD @ 5743'

SHOE @ 5789'

TD @ 5800'



**NEWFIELD**

**Monument Federal #32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Federal #32-1J-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Monument Federal #32-1J-9-16 well, the proposed injection zone is from Garden Gulch to TD (4066' - 5800'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3741' and the TD is at 5800'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Federal #32-1J-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-33992) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
  
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 352' KB, and 5-1/2", 15.5# casing run from surface to 5789' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2153 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Federal #32-1J-9-16, for existing perforations (4222' - 5288') calculates at 0.95 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2153 psig. We may add additional perforations between 3741' and 5800'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Federal #32-1J-9-16, the proposed injection zone (4066 - 5800') is in the Garden Gulch to Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-14.

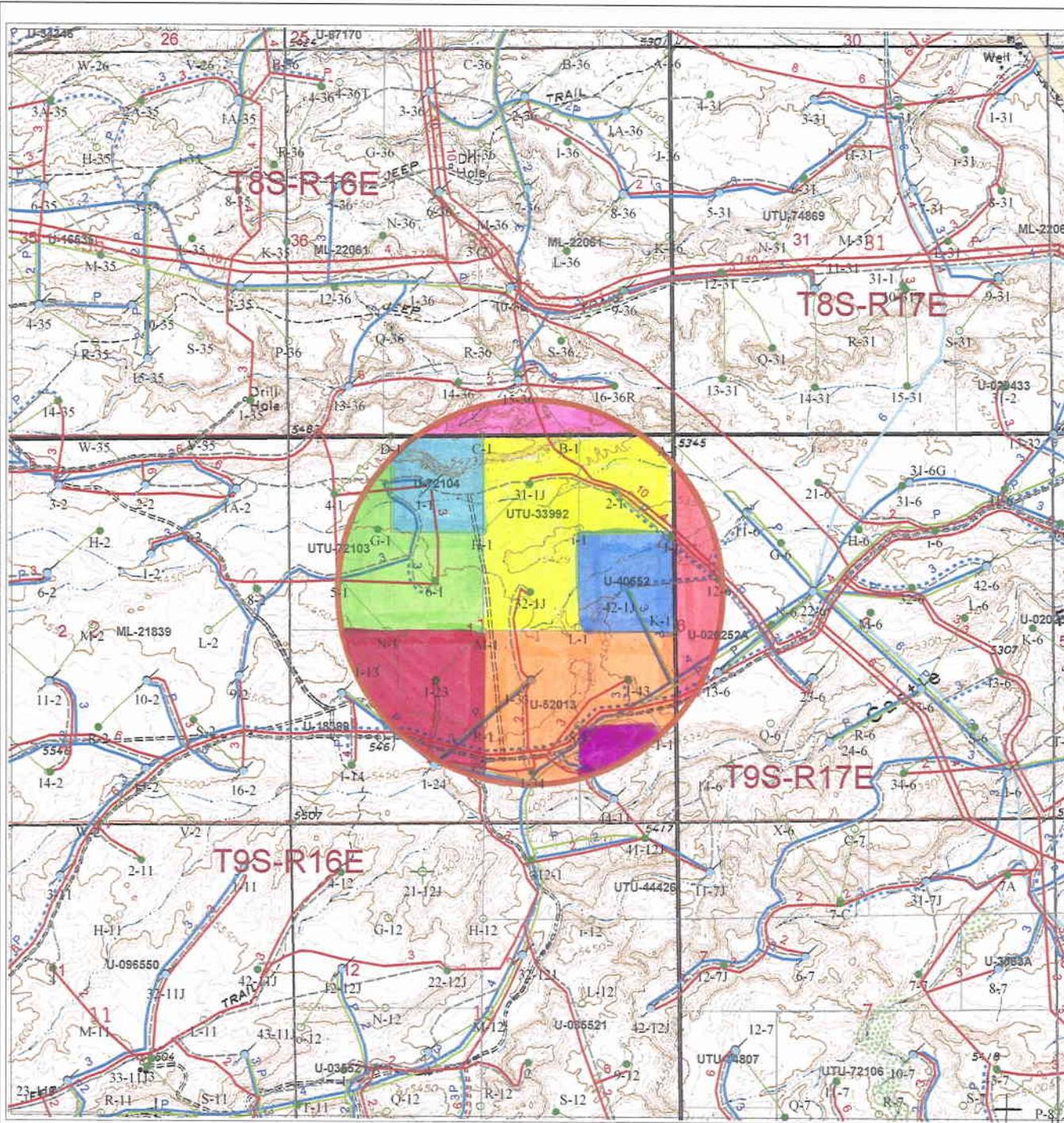
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



- Well Status**
- Location
  - ⊕ CTI
  - ⊕ Surface Spud
  - ⊕ Drilling
  - ⊕ Waiting on Completion
  - Producing Oil Well
  - ⊕ Producing Gas Well
  - ⊕ Water Injection Well
  - ⊕ Dry Hole
  - ⊕ Temporarily Abandoned
  - ⊕ Plugged & Abandoned
  - ⊕ Shut In
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
- Leases**
- Leases
  - Mining tracts
- Gas Pipelines**
- Gathering lines
  - Proposed lines
  - ⊕ 32-1J-9-16 1/2mile radius

- UTU-33992
- ML-22001
- U-72104
- UTU-72103
- U-18399
- U-52013
- UTU-44420
- U-40652
- U-02052A

# Attachment A

Monument Fed 32-1J  
Section 1, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS 1" = 2000'

1/2 Mile Radius Map  
Duchesne & Uintah Counties

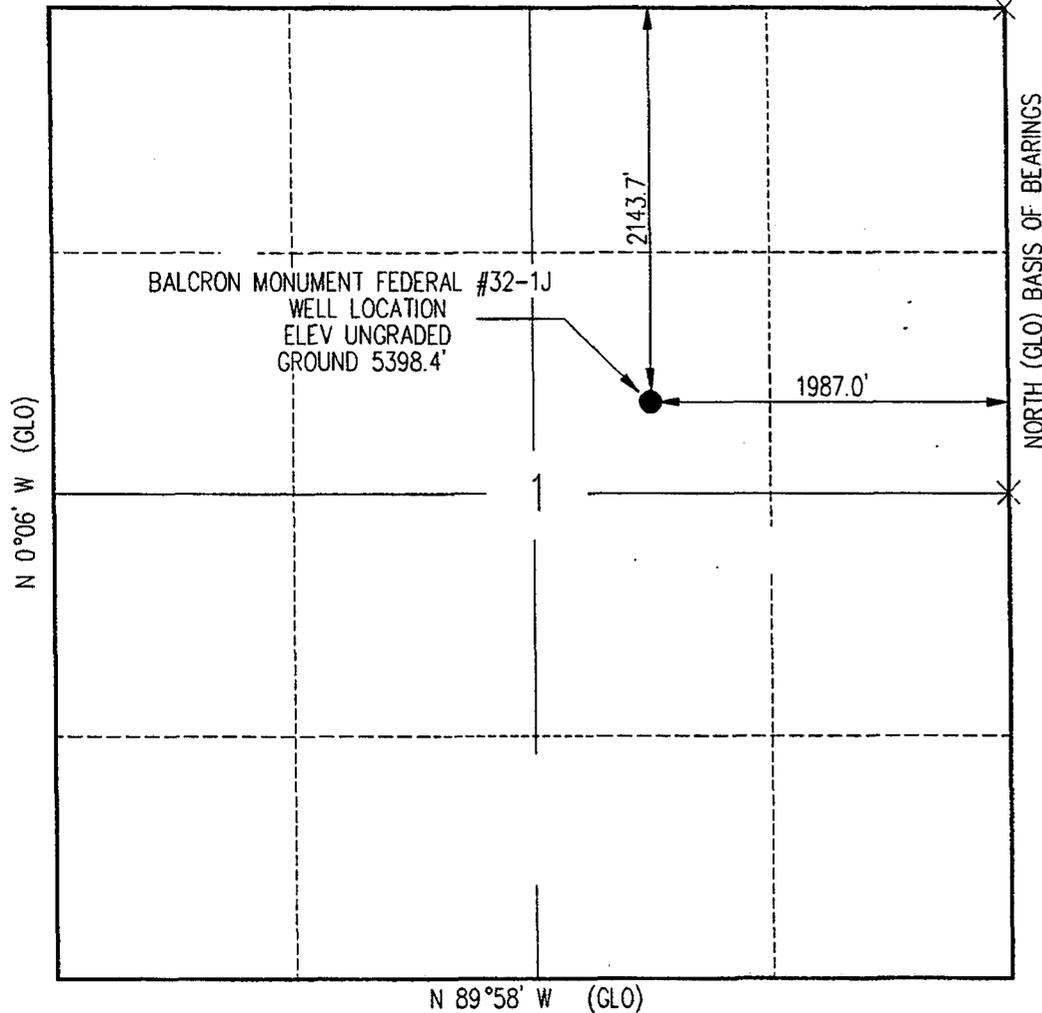
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

December 21, 2009

EXHIBIT "F"

T9S, R16E, S.L.B. & M.

S 89°57' E (GLO)



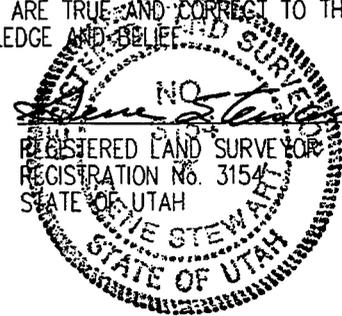
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #32-1J, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 1, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



Attachment A-1

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WEATHER: CLEAR & HOT
DATE: 9/1/93
SCALE: 1" = 1000'
SURVEYED BY: SS DP
FILE: MF 32-1J



## EXHIBIT B

Page 1

064

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	<u>Township 9 South, Range 16 East</u> Section 1: Lots 1,2, SWNE	UTU-33992 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Tucker Family Investments 12741 E Caley, Suite 142 Englewood, CO 80111	(Surface Rights) USA
2.	<u>Township 8 South, Range 16 East</u> Section 36: All	ML-22061 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Brothers LLC Davis Resources 320 S. Boston #1000 Tulsa, OK 74103-3703	(Surface Rights) STATE

## EXHIBIT B

Page 2

of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3.	<u>Township 9 South, Range 16 East</u> Section 1: Lot 3	U-72104 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 King Oil & Gas of Texas, LTD. c/o Allen C. King 800 Bering Dr. Houston, TX 77057 Jasper Warren 17350 State Hwy 249 Suite 140 Houston, TX 77064-1140	(Surface Rights) USA
4.	<u>Township 9 South, Range 16 East</u> Section 1: Lot 4, S2NW	UTU-72103 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Brothers Davis Resources 110 W 7 <sup>th</sup> St Suite 1000 Tulsa, OK 74119	(Surface Rights) USA

## EXHIBIT B

Page 3

of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
5.	<u>Township 9 South, Range 16 East</u> Section 1: SW	U-18399 HBP	Newfield Production Company Newfield RMI, LLC 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
6.	<u>Township 9 South, Range 16 East</u> Section 1: N2SE, SWSE	U-52013 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
7.	<u>Township 9 South, Range 16 East</u> Section 1: SESE Section 12: N2NE <u>Township 9 South, Range 17 East</u> Section 7: Lots 1&2, N2NE, SWNE, E2NW	UTU-44426 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Petroleum Technical Services Company 1405 W. Pine Avenue Midland, TX 79705-6524 Providence Minerals LLC 14860 Montfort Dr Suite 209 Dallas, TX 75254	(Surface Rights) USA

## EXHIBIT B

Page 4

of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Bonaventure Resources Inc 2857 Paradise Rd #2501 Las Vegas, NV 89109 West Texas Specialty Consulting Services Inc Box 80362 Midland, TX 79708	
8.	<u>Township 9 South, Range 16 East</u> Section 1: SENE	U-40652 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
9.	<u>Township 9 South, Range 17 East</u> Section 6: Lots 1-7, S2NE, SENW E2SW, SE	U-020252A HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Federal #32-1J-9-16

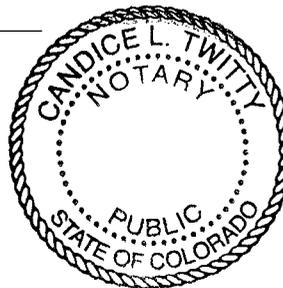
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Analyst

Sworn to and subscribed before me this 4<sup>th</sup> day of March, 2010.

Notary Public in and for the State of Colorado: Candice L. Twitty

My Commission Expires 02/10/2013



## Monument Federal #32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (353.65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL

#### TUBING

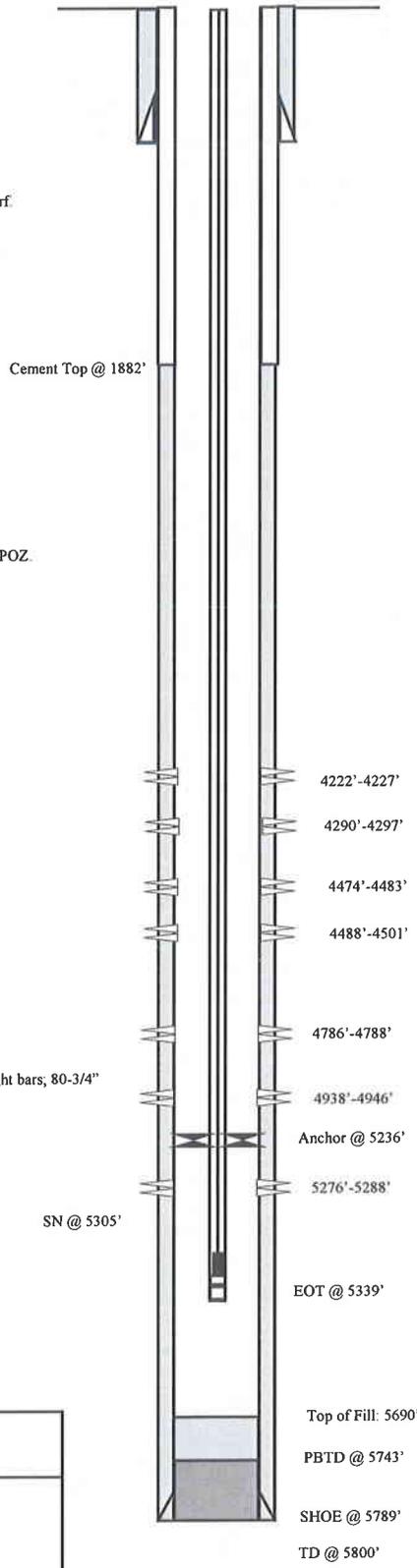
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5225.43')  
 TUBING ANCHOR: 5235.43'  
 NO. OF JOINTS: 2 jts (66.20')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5304.43' KB  
 NO. OF JOINTS: 1 jts (33.07')  
 TOTAL STRING LENGTH: EOT @ 5339.05'

#### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 1-8", 1-6", 1-4" x 3/4" pony rods 6-1 1/2" weight bars; 80-3/4" scraped rods, 74-3/4" plain rods, 51-3/4" scraped rods,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 4 SPM

#### FRAC JOB

9/10/94	5276'-5288'	<b>Frac zone as follows:</b> 17,640# 20/40 sand + 20,540# 16/30 sand in 352 bbls gelled KCl fluid. Treated @ avg press of 2550 psi w/avg rate of 30.7 BPM. ISIP 2250 psi.
9/14/94	4786'-4946'	<b>Frac zone as follows:</b> 26,800# 16/30 sand in 128 bbls gelled KCl fluid. Treated @ avg press of 3000 psi w/avg rate of 29.5 BPM. ISIP 2200 psi.
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10/24/02	4474'-4501'	<b>Frac PB zones as follows:</b> 61,000# 20/40 sand in 474 bbls 1-25 viking fluid. Treated @ avg press of 2200 psi w/avg rate of 26.5 BPM. ISIP 2400 psi. Calc flush: 4474 gal. Actual flush: 4410 gal.
10/24/02	4222'-4297'	<b>Frac GB zones as follows:</b> 49,200# 20/40 sand in 399 bbls 1-25 viking fluid. Treated @ avg press of 2075 psi w/avg rate of 26.5 BPM. ISIP 2180 psi. Calc flush: 4222 gal. Actual flush: 4116 gal.
08/31/05		Tbg leak
12/07/05		Pump Change. Detail Rod and tubing update.
03/23/07	Tubing Leak.	Updated Rod & Tubing Details
12/3/08		Tubing Leak. Updated rod & tubing Details.



#### PERFORATION RECORD

Date	Depth Range	Tool	Holes
9/09/94	5276'-5288'	4 JSPF	48 holes
9/13/94	4938'-4946'	4 JSPF	10 holes
9/13/94	4786'-4788'	4 JSPF	3 holes
10/24/02	4488'-4501'	4 JSPF	52 holes
10/24/02	4474'-4483'	4 JSPF	36 holes
10/24/02	4290'-4297'	4 JSPF	28 holes
10/24/02	4222'-4227'	4 JSPF	20 holes

Note: It was discovered on 2/6/03 that the GB-6 zone from 4314-23 was not opened during the last recompletion procedure.

**NEWFIELD**

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**Monument Federal #32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992

# Monument Butte Fed. #1-1-9-16

Spud Date: 4/30/1981  
 Put on Production: 8/6/1981  
 GL: 5387' KB: 5397'

Initial Production: 69 BOPD,  
 0 MCFD, 0 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 288.50'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 230 sxs Class "G" cml.

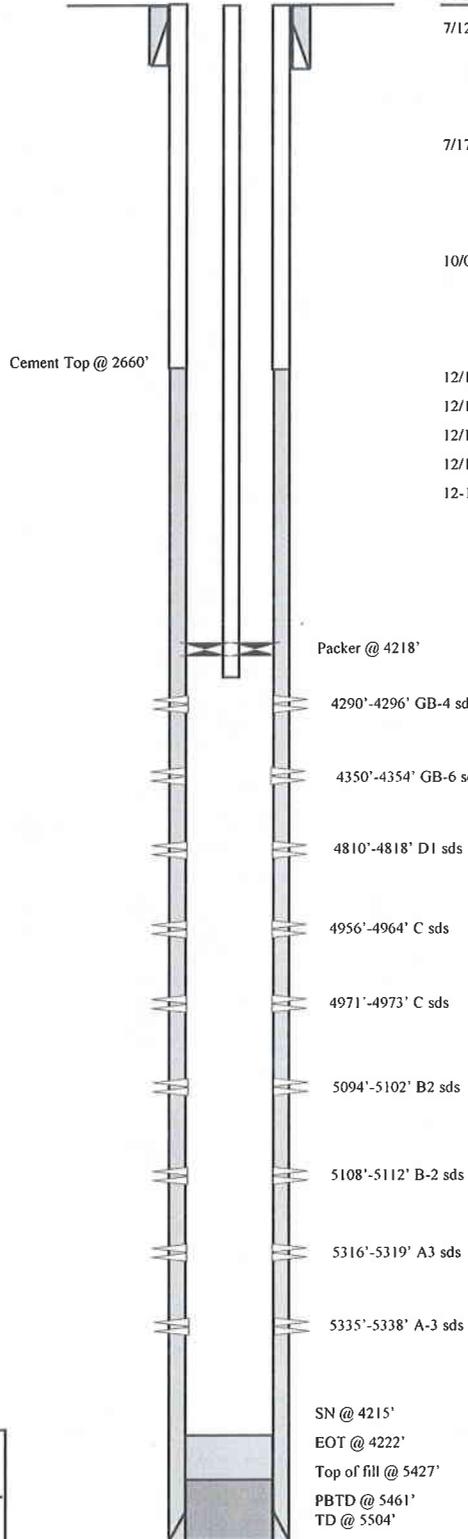
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5504'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sk Pozmix  
 CEMENT TOP AT: 2660' per CBL

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4201.02')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4215 12' KB  
 TUBING PACKER: 4218.32'  
 TOTAL STRING LENGTH: EOT @ 4222.44'

**Injection Wellbore Diagram**



**FRAC JOB**

7/12/81	5316'-5338'	<b>Frac A3 sand as follows:</b> 1000 gal 15% HCl followed by 14,840# 20/40 sand in 304 bbls gelled 2% KCl fluid. Treated @ avg press of 2300 psi w/avg rate of 20 BPM.
7/17/81	5094'-5112'	<b>Frac B2 sand as follows:</b> 3000 gal 15% HCl followed by 25,200# 20/40 sand + 9,000# 10/20 sand in 428 bbls gelled diesel. Treated @ avg press of 3150 psi w/avg rate of 20 BPM.
10/01/82	4956'-4973'	<b>Frac zone as follows:</b> 10,000 gal pad followed by 85,000# 20/40 sand in 607 bbls fluid. Treated @ avg press of 2400 psi w/avg rate of 30 BPM. ISIP 2200 psi.
12/10/01	4810'-4818'	Broke w/ 10 bbl, 2900 psi, ISIP 2200 psi
12/10/01	4350'-4354'	Broke w/ 10 bbl, 2400 psi, ISIP 1700 psi
12/10/01	4290'-4296'	Broke w/ 10 bbl, 1800 psi, ISIP 1750 psi
12/11/01		Convert to injector.
12-15-06		5 Year MIT completed.

**PERFORATION RECORD**

7/12/81	5335'-5338'	2 SPF	03 holes
7/12/81	5316'-5319'	2 SPF	03 holes
7/17/81	5108'-5112'	1 SPF	04 holes
7/17/81	5094'-5102'	1 SPF	08 holes
9/30/82	4971'-4973'	2 SPF	04 holes
9/30/82	4956'-4964'	1 SPF	09 holes
12/7/01	4810'-4818'	4 SPF	32 holes
12/7/01	4350'-4354'	4 SPF	16 holes
12/7/01	4290'-4296'	4 SPF	24 holes

**NEWFIELD**

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**Monument Butte Fed. #1-1-9-16**

684' FNL & 1930' FWL  
 NENW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30571; Lease #UTU-72104

# Monument Federal #31-1J-9-16

Spud Date: 9/15/95  
 Put on Production: 10/13/95  
 GL: 5368' KB: 5377'

Initial Production: 34 BOPD,  
 NM MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts 252.45'  
 DEPTH LANDED: 262.45' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Premium cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts (5895.78')  
 DEPTH LANDED: 5907.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Super G & 288 sxs 50/50 POZ.  
 CEMENT TOP AT: 810' KB

**TUBING**

SIZE/GRADE/WT : 2-7/8"/6.5#/J-55  
 NO. OF JOINTS: 173 jts (5241.35') Btm 15 jts YB  
 TUBING ANCHOR 5250.35' KB  
 NO. OF JOINTS: 2 jts (63.81')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5316.96' KB  
 NO. OF JOINTS: 1 jt (28 10')  
 TOTAL STRING LENGTH: EOT @ 5346.61' KB

**SUCKER RODS**

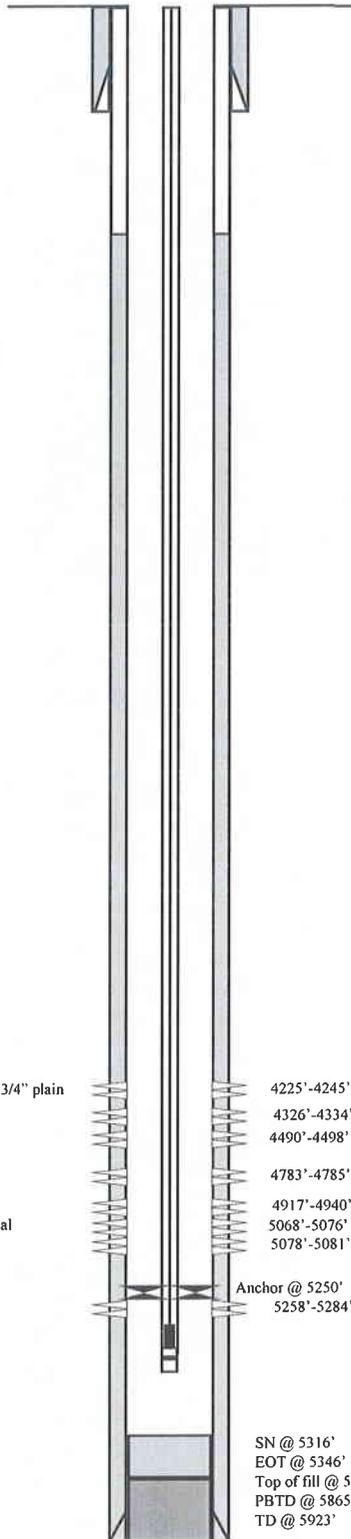
POLISHED ROD: 1-1/4" x 22' polished rod.  
 SUCKER RODS: 6- 1 1/2" wt rods, 10-3/4" scraper rods (new), 106- 3/4" plain rods, 90- 3/4" plain rods (new), 1-2', 1-4' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2 x 1-1/2 x 15.5" RHAC pump  
 STROKE LENGTH: 85"  
 PUMP SPEED, SPM: 4.5 SPM  
 LOGS: CBL/GR/Collars: Litho Density Compensated Neutron/GR; Dual Laterolog w/Linear Correlation GR

**FRAC JOB**

9/28/95	5258'-5284'	<b>Frac sand as follows:</b> 14,000# 20/40 sand + 60,000# 16/30 sand in 530 bbls 2% KCl water. Treated @ avg press of 2150 psi w/avg rate of 32 BPM. ISIP 2100 psi. Calc. flush: 5258 gal., Actual flush: 5208 gal.
9/29/95	5068'-5076'	<b>Frac sand as follows:</b> 16,000# 20/40 sand + 24,000# 16/30 sand in 354 bbls 2% KCl water. Treated @ avg press of 2150 psi w/avg rate of 31.4 BPM. ISIP 1950 psi. Calc. flush: 5068 gal., Actual flush: 5040 gal.
10/03/95	4783'-4940'	<b>Frac sand as follows:</b> 72,000# 16/30 sand in 501 bbls 2% KCl water. Treated @ avg press of 2400 psi w/avg rate of 31.7 BPM. ISIP 2300 psi. Calc. flush: 4783 gal., Actual flush: 4746 gal.
10/10/99		Pump change. Update rod and tubing details.
6/21/02	4490'-4498'	<b>Frac PB10 sand as follows:</b> 28,308# 20/40 sand in 290 bbls Viking I-25 frac fluid. Treated @ avg press of 2230 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc. flush: 4490 gal., Actual flush: 4445 gal.
6/21/02	4225'-4334'	<b>Frac GB4,6 sands as follows:</b> 92,383# 20/40 sand in 732 bbls Viking I-25 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc. flush: 4225 gal., Actual flush: 4158 gal.

**PERFORATION RECORD**

9/27/95	5258'-5284'	2 JSPF	52 holes
9/28/95	5078'-5081'	4 JSPF	32 holes
9/28/95	5068'-5076'	4 JSPF	12 holes
10/02/95	4917'-4940'	1 JSPF	03 holes
10/02/95	4783'-4785'	1 JSPF	11 holes
6/21/02	4490'-4498'	4 JSPF	32 holes
6/21/02	4326'-4334'	4 JSPF	32 holes
6/21/02	4225'-4245'	4 JSPF	80 holes



SN @ 5316'  
 EOT @ 5346'  
 Top of fill @ 5804'  
 PBTD @ 5865'  
 TD @ 5923'

**NEWFIELD**

Monument Federal #31-1J-9-16  
 660' FNL & 1980' FEL  
 NW/NE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31413; Lease #U-33992

## Federal #2-1-9-16

Spud Date: 3/25/82

Put on Production: 4/29/82  
GL: 5341' KB: 5358'

Initial Production: 26 BOPD, 0  
MCFPD, 62 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 221'  
DEPTH LANDED: 238' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class G

#### PRODUCTION CASING

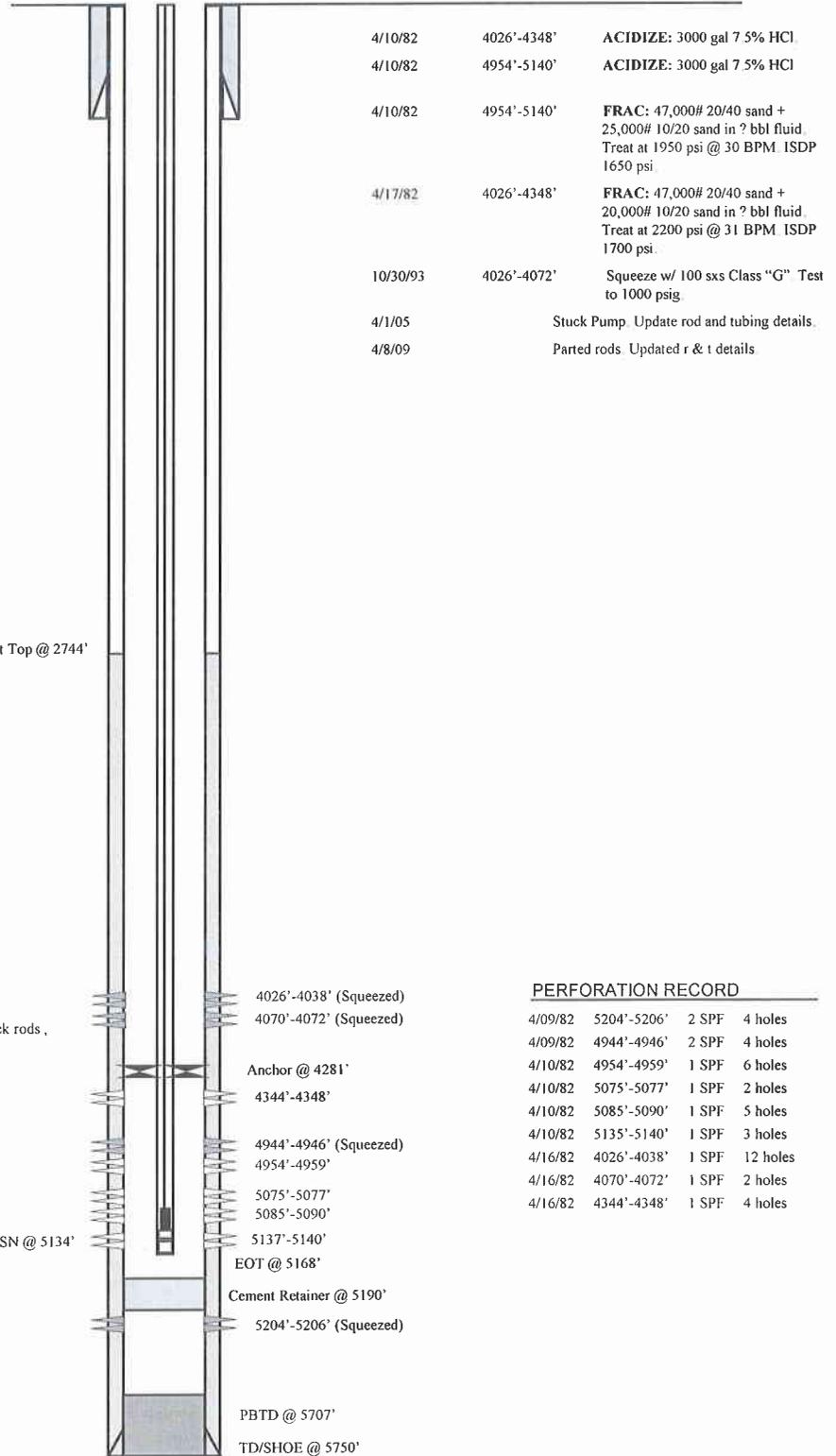
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5775'  
DEPTH LANDED: 5774' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 670 sk 50/50 Poz  
CEMENT TOP AT 2744'

#### TUBING

SIZE/GRADE/WT 2-7/8"/6.5#/J-55  
NO OF JOINTS: 135 jts (4260 76')  
TUBING ANCHOR 4280 51'  
NO OF JOINTS 27 jts (852 41')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5434.02'  
NO OF JOINTS 2 7/8"x3' Perf Sub  
NO OF JOINTS 1 jts (30 79')  
TOTAL STRING LENGTH EOT @ 5168 36'

#### SUCKER RODS

POLISHED ROD: 1-1/4" x 16' polished rod  
SUCKER RODS: 2-1 1/2" WT bars; 22-3/4" guided rods, 86-3/4" slick rods,  
93-3/4" guided rods; 1-8", 2-4", 1-2" x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC pump  
STROKE LENGTH 54"  
PUMP SPEED, SPM: 4 SPM



#### PERFORATION RECORD

Date	Depth	SPF	Holes
4/09/82	5204'-5206'	2 SPF	4 holes
4/09/82	4944'-4946'	2 SPF	4 holes
4/10/82	4954'-4959'	1 SPF	6 holes
4/10/82	5075'-5077'	1 SPF	2 holes
4/10/82	5085'-5090'	1 SPF	5 holes
4/10/82	5135'-5140'	1 SPF	3 holes
4/16/82	4026'-4038'	1 SPF	12 holes
4/16/82	4070'-4072'	1 SPF	2 holes
4/16/82	4344'-4348'	1 SPF	4 holes

**NEWFIELD**

Federal #2-1-9-16  
784' FNL & 812' FEL  
NE/NE Section 1-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30603; Lease #UTU-33992

# S. Monument Butte G-1-9-16

Spud Date: 8/16/08  
 Put on Production: 9/24/08  
 GL: 5404' KB: 5416'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (324.89')  
 DEPTH LANDED: 336.74'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts (6266.29')  
 SET AT: 6236.17'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx Premilite II and 450 sx 50/50 Poz  
 CEMENT TOP AT: 24'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 195 jts ( 6004.69')  
 TUBING ANCHOR: 6016.69' KB  
 NO. OF JOINTS: 1 jt ( 30.67')  
 SEATING NIPPLE: 2-7/8" (1' 10")  
 SN LANDED AT: 6050.16' KB  
 NO. OF JOINTS: 1 jt ( 31.05')  
 TOTAL STRING LENGTH: EOT @ 6082.76'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1-8", 1-6' & 1-4' x 7/8" ponies, 237-7/8" scraped rods, 4-1 1/2" wt rods, 1 5/8" shear cplg (21k)  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 20"  
 STROKE LENGTH: 122  
 PUMP SPEED, SPM: 5.5

**FRAC JOB**

9/17/08 6062-6072' Frac CP5 sds as follows:  
 30,582#s of 20/40 sand in 425 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2124 psi w/ ave rate of 21.2 BPM ISIP 1956 psi. Actual flush: 5557 gals.

9/17/08 5888-5904' Frac CP3 sds as follows:  
 45,555#s of 20/40 sand in 465 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1725 psi w/ ave rate of 22.3 BPM ISIP 1772 psi. Actual flush: 5296 gals.

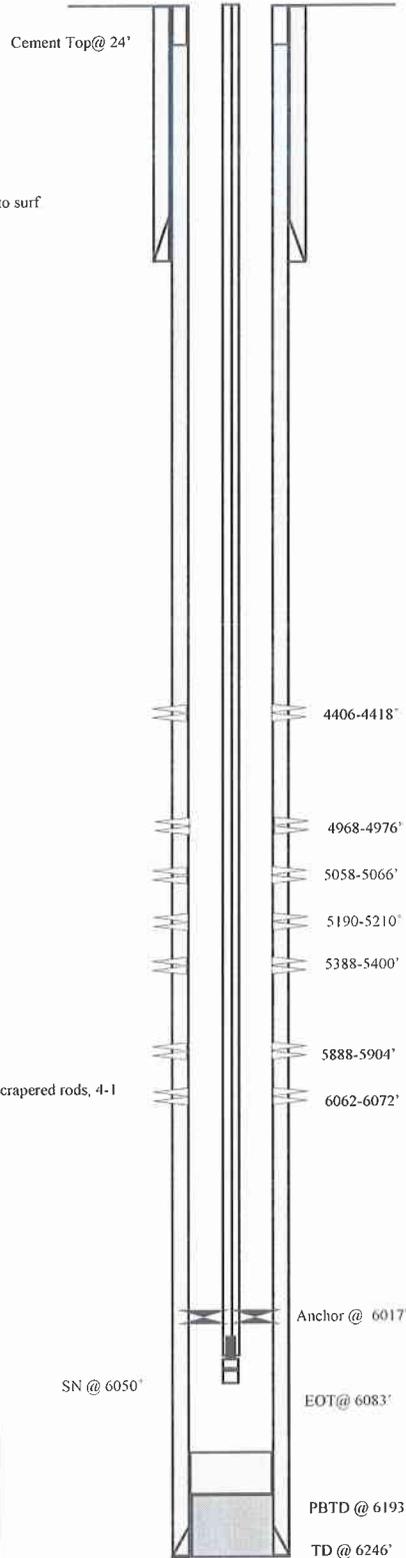
9/18/08 5388-5400' Frac A1 sds as follows:  
 45,735#s of 20/40 sand in 452 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1841 psi w/ ave rate of 22.3 BPM ISIP 1967 psi. Actual flush: 4880 gals.

9/18/08 5190-5210' Frac B2 sds as follows:  
 55,539#s of 20/40 sand in 493 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1702 psi w/ ave rate of 22.3 BPM ISIP 1945 psi. Actual flush: 4683 gals.

9/18/08 5058-5066' Frac C sds as follows:  
 25,121#s of 20/40 sand in 380 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2264 psi w/ ave rate of 22.3 BPM ISIP 2721 psi. Actual flush: 4553 gals.

9/18/08 4968-4976' Frac D2 sds as follows:  
 25,324#s of 20/40 sand in 356 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2072 psi w/ ave rate of 22.3 BPM ISIP 1963 psi. Actual flush: 4376 gals.

9/18/08 4406-4418' Frac GB6 sds as follows:  
 27,816#s of 20/40 sand in 374 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2359 psi w/ ave rate of 22.2 BPM ISIP 2078 psi. Actual flush: 4322 gals.



**PERFORATION RECORD**

Date	Depth Range	Number of Holes	Hole Type
9/18/08	4406-4418'	48	JSPF
9/18/08	4968-4976'	32	JSPF
9/18/08	5058-5066'	32	JSPF
9/18/08	5190-5210'	80	JSPF
9/18/08	5388-5400'	48	JSPF
9/17/08	5888-5904'	32	JSPF
9/17/08	6062-6072'	40	JSPF



**S. Monument Butte G-1-9-16**  
 2076' FNL & 2024' FWL  
 SE/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33964; Lease #UTU-72103

# JONAH FEDERAL J-1-9-16

Spud Date: 05/23/07  
 Put on Production: 07/03/07  
 GL: 5351' KB: 5363'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294.72')  
 DEPTH LANDED: 306.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 160 jts (6217.25')  
 DEPTH LANDED: 6230.50' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 365 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 47'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 190 jts (5954.15')  
 TUBING ANCHOR: 5966.15' KB  
 NO. OF JOINTS: 2 jts (62.96')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6031.91' KB  
 NO. OF JOINTS: 1 jts (31.10')  
 TOTAL STRING LENGTH: EOT @ 6064.56' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-2', 1-8' x 7/8" pony rods, 237-7/8" scraped rods, 4-1 1/2' weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 16x 20' RHAC  
 STROKE LENGTH: 122"  
 PUMP SPEED, 5 SPM:

**FRAC JOB**

09/18/07 6008-6020' **Frac CP5 sands as follows:**  
 85173# 20/40 sand in 485 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 24.9 BPM. ISIP 2385 psi. Calc flush: 6006 gal. Actual flush: 5418 gal.

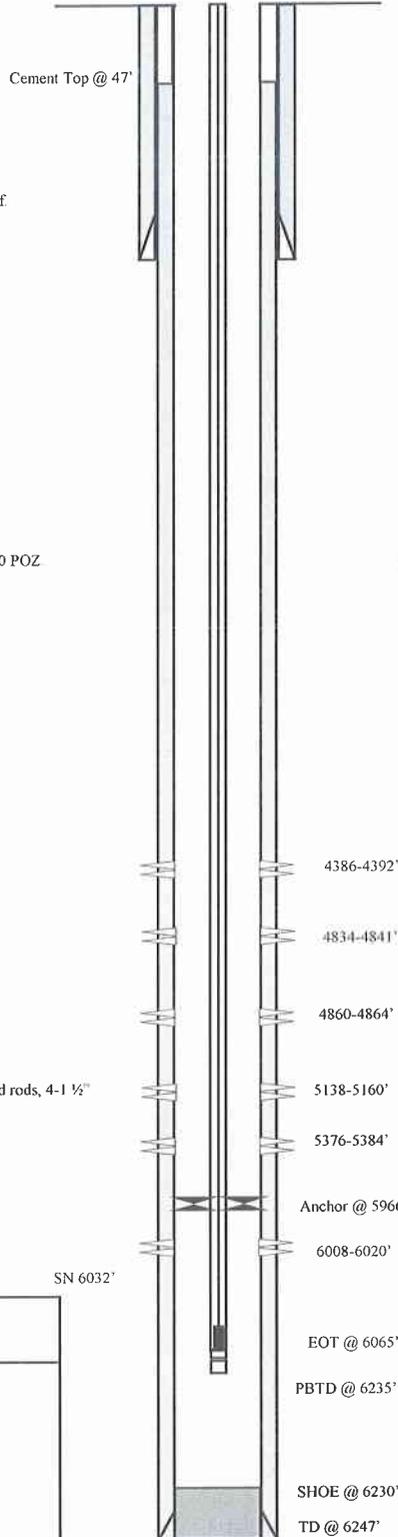
09/18/07 5376-5384' **Frac LODC sands as follows:**  
 29751# 20/40 sand in 399 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.9 BPM. ISIP 2040 psi. Calc flush: 5374 gal. Actual flush: 4868 gal.

09/19/07 5138-5160' **Frac B1 sands as follows:**  
 148,475# 20/40 sand in 1045 bbl Lightning 17 frac fluid. Treated @ avg press of 1936 psi w/avg rate of 24.8 BPM. ISIP 2255 psi. Calc flush: 5136 gal. Actual flush: 4620 gal.

09/19/07 4834-4864' **Frac D1 sands as follows:**  
 60119# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 2040 psi w/avg rate of 24.8 BPM. ISIP 2195 psi. Calc flush: 4858 gal. Actual flush: 4326 gal.

09/19/07 4386-4392' **Frac GB6 sands as follows:**  
 29876# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 2135 psi w/avg rate of 24.8 BPM. ISIP 1950 psi. Calc flush: 4384 gal. Actual flush: 4284 gal.

9/21/09 Pump Change. Updated rod & tubing details.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
09/14/07	6008-6020'	4 JSPF	48 holes
09/18/07	5376-5384'	4 JSPF	32 holes
09/18/07	5138-5160'	4 JSPF	88 holes
09/19/07	4860-4864'	4 JSPF	16 holes
09/19/07	4834-4841'	4 JSPF	28 holes
09/19/07	4386-4392'	4 JSPF	24 holes

**NEWFIELD**

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**JONAH FEDERAL J-1-9-16**

823' FNL & 769' FEL

PROP BHL: 1323' FNL & 0' FEL

NE/NE Section 1, T9S, R16E

Duchesne Co, Utah

API #43-013-33571; Lease # UTU-33992

SN 6032'

# Monument Butte #5-1-9-16

Initial Production: 135 BOPD, 120 MCFD  
55 BWPD

Spud Date: 7/24/95  
Put on Production: 11/20/95  
GL: 5428' KB: 5441'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (299.64)  
DEPTH LANDED: 296.99'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sx Premium 250

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (6088')  
SET AT: 6076'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 255 sx HiFill & 325 sx Thixotropic  
CEMENT TOP AT: 380' from CBL

**TUBING**

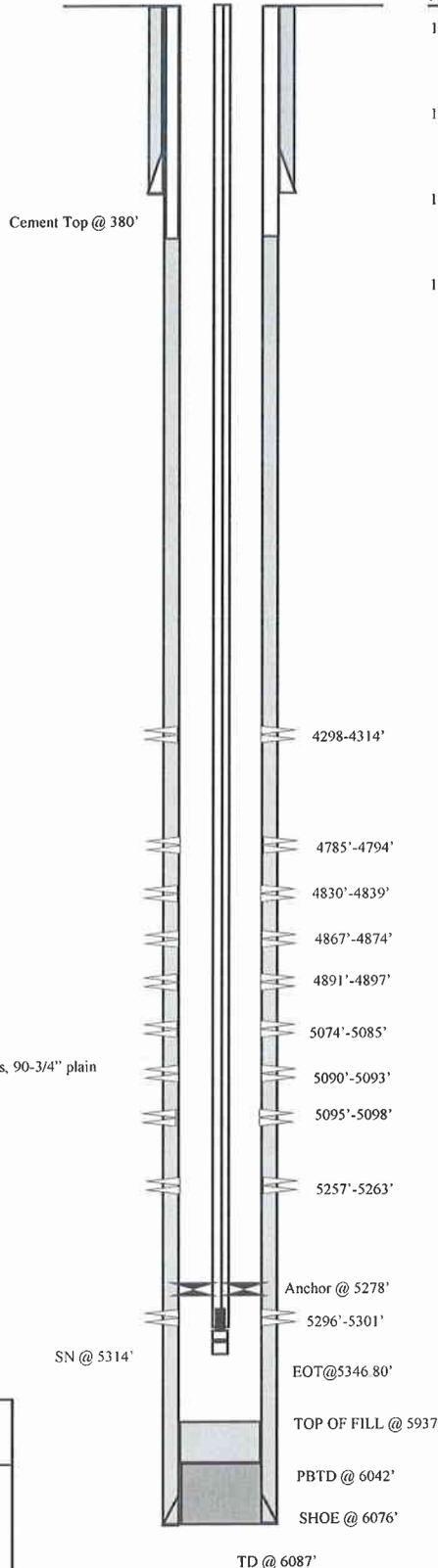
SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 160 jts (4907.91')  
NO. OF JOINTS: 11 jts (357.38')  
TUBING ANCHOR: 5278.29' KB  
NO. OF JOINTS: 1 (33.38')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5314.47' KB  
NO. OF JOINTS: 1 jt (30.78')  
TOTAL STRING LENGTH: EOT @ 5346.80' W/ 13' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2"x22'  
SUCKER RODS: 5-1 1/2" weight bars, 19 3/4" scraped rods, 90-3/4" plain rods, 98- 3/4" scraped rods, 1-6', 1-2' x 3/4" pony rods  
PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4  
LOGS:

**FRAC JOB**

11/11/95 5257'-5301' 86,800# 20/40 sand in 652 bbls frac fluid. Avg TP 2000 psi w/avg rate of 37.5 BPM. ISIP-2040 psi. Calc flush: 5257 gal. Act flush: 5213 gal.  
11/14/95 5074-5098' 89,500# 20/40 sand in 590 bbls frac fluid. Avg TP 1800 psi w/avg rate of 35 BPM. ISIP-2036 psi. Calc flush: 5074 gal. Act flush: 5031 gal.  
11/16/95 4785-4897' 110,000# 20/40 sand in 774 bbls frac fluid. Avg TP 1647 psi w/avg rate of 36 BPM. ISIP-2400 psi. Calc flush: 4785 gal. Act flush: 4721 gal.  
11/03/04 4298-4314' **Frac GB6 sands as follows:**  
78,348# 20/40 sand in 577 bbls Lightning 17 frac fluid. Treated @ Avg press. of 1875 psi w/avg rate of 24.9 BPM. ISIP-2200 psi. Calc flush: 4296 gal. Act flush: 4087 gal.



**PERFORATION RECORD**

Date	Depth Range	Number of Holes	Completion Type
11/10/95	5257'-5295'	24	4 JSPF
11/10/95	5296'-5301'	20	4 JSPF
11/12/95	5074'-5085'	44	4 JSPF
11/12/95	5090'-5093'	12	4 JSPF
11/12/95	5095'-5098'	12	4 JSPF
11/15/95	4785'-4794'	36	4 JSPF
11/15/95	4830'-4839'	36	4 JSPF
11/15/95	4867'-4874'	28	4 JSPF
11/15/95	4891'-4897'	24	4 JSPF
11/02/04	4298-4314'	32	2 JSPF

**NEWFIELD**

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**Monument Butte #5-1-9-16**

1984 FNL & 666 FWL

SW/NW Section I-T9S-R16W

Duchesne Co, Utah

API #43-013-31507; Lease #UTU-72103

# Monument Butte Federal #6-1-9-16

Spud Date: 4/16/96  
 Put on Production: 6/25/96  
 GL: 5406' KB: 5421'

Initial Production: 26 BOPD,  
 32 MCFD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 293.21' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 sxs Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 5825.44' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 270 sxs Hi-fill & 395 sxs Thixotropic  
 CEMENT TOP AT: 284'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 167 jts (5222.63')  
 TUBING ANCHOR: 5240.43' KB  
 NO. OF JOINTS: 1 jts (31.21')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5272.74' KB  
 NO. OF JOINTS: 1 jts (31.55')  
 TOTAL STRING LENGTH: EOT @ 5304.74' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2", 1-6" x 3/4" pony rods, 115-3/4" scraped rods, 85-3/4" slick rods, 4-3/4" scraped rods, 6-1 1/2" weight bars  
 PUMP SIZE: 2 1/2 X 1-1/4 X 15'  
 STROKE LENGTH: 54"  
 PUMP SPEED, SPM: 7.5 SPM

**FRAC JOB**

6/19/96 5268'-5273' **Frac A sand as follows:**  
 52,200# 20/40 sand in 339 bbls Boragel frac fluid. Treated @ avg press of 2300 psi w/avg rate of 16.4 BPM. ISIP 2446 psi. Calc flush: 5268 gal. Actual flush: 5116 gal.

6/21/96 4784'-4948' **Frac C & D sands as follows:**  
 75,600# 20/40 sand in 411 bbls Boragel frac fluid. Treated @ avg press of 1600 psi w/avg rate of 24.8 BPM. ISIP 2585 psi. Calc flush: 4784 gal. Actual flush: 4710 gal.

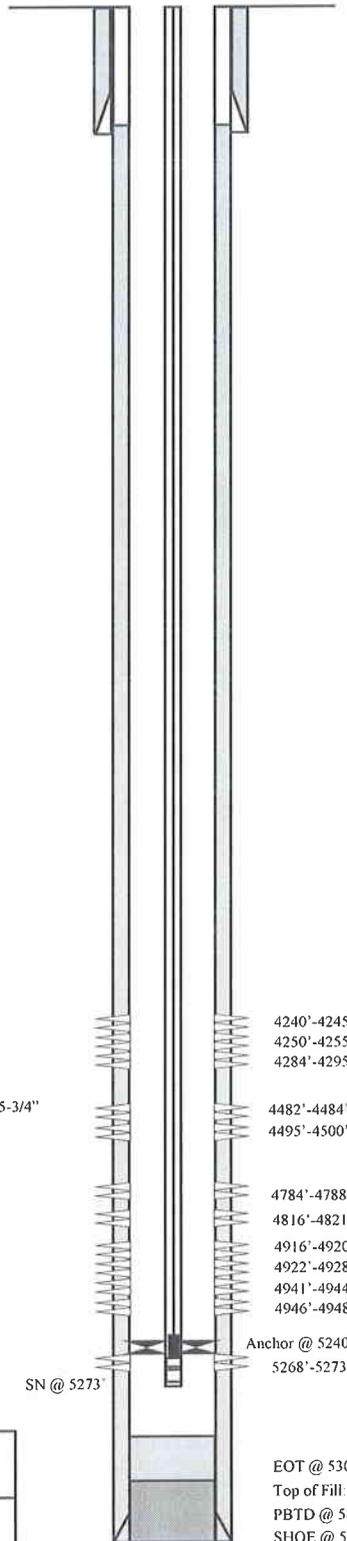
1/19/97  
 Hole in tubing. Update rod and tubing details.

10/2/02 4240'-4500' **Frac GB4 & PB10 sands as follows:**  
 99,953# 20/40 sand in 422 bbls Viking 1-25 fluid. Treated @ avg press of 2245 psi w/avg rate of 26 BPM. ISIP 2280 psi. Calc flush: 4240 gal. Actual flush: 4116 gal.

02/02/06  
 Tubing Leak. Update rod and tubing details.

**PERFORATION RECORD**

6/18/96	5268'-5273'	4 JSPF	20 holes
6/20/96	4946'-4948'	4 JSPF	08 holes
6/20/96	4941'-4944'	4 JSPF	12 holes
6/20/96	4922'-4928'	4 JSPF	24 holes
6/20/96	4916'-4920'	4 JSPF	16 holes
6/20/96	4816'-4821'	4 JSPF	20 holes
6/20/96	4784'-4788'	4 JSPF	16 holes
10/1/02	4495'-4500'	4 JSPF	20 holes
10/1/02	4482'-4484'	4 JSPF	8 holes
10/1/02	4284'-4295'	4 JSPF	44 holes
10/1/02	4250'-4255'	4 JSPF	20 holes
10/1/02	4240'-4245'	4 JSPF	20 holes



**NEWFIELD**

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**Monument Butte Federal #6-1-9-16**  
 2082' FNL & 2045' FWL  
 SE/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31506; Lease #UTU-72103

# Balcron Monument Federal #42-1J

Spud Date: 10/19/93  
 Put on production: 12/11/93  
 Put on Injection: 8/18/94  
 GL: 5380' KB: 5390'

Initial Production: 80 BOPD, 400 MCFD,  
 20 BOPD

Injection Diagram

**SURFACE CASING**

SIZE: 8-5/8" / J-55 / 24 lbs  
 LENGTH: 8 jts (346')  
 HOLE SIZE: 12-1/4"  
 DEPTH LANDED: 356' KB  
 CEMENT DATA: 180 sxs Class "G" w/additives

**PRODUCTION CASING**

SIZE: 5-1/2" / K-55 / 15.5#  
 LENGTH: 5799'  
 DEPTH LANDED: 5809' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 112 sxs Thrifty-lite & tail w/258 sxs 50-50 POZ  
 CEMENT TOP AT: 2310' KB from Calculations

**TUBING RECORD**

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 134 jts  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4363 65' KB  
 TUBING PACKER: 4268.00' KB  
 TOTAL STRING LENGTH: EOT @ 4272.27'

**FRAC JOB**

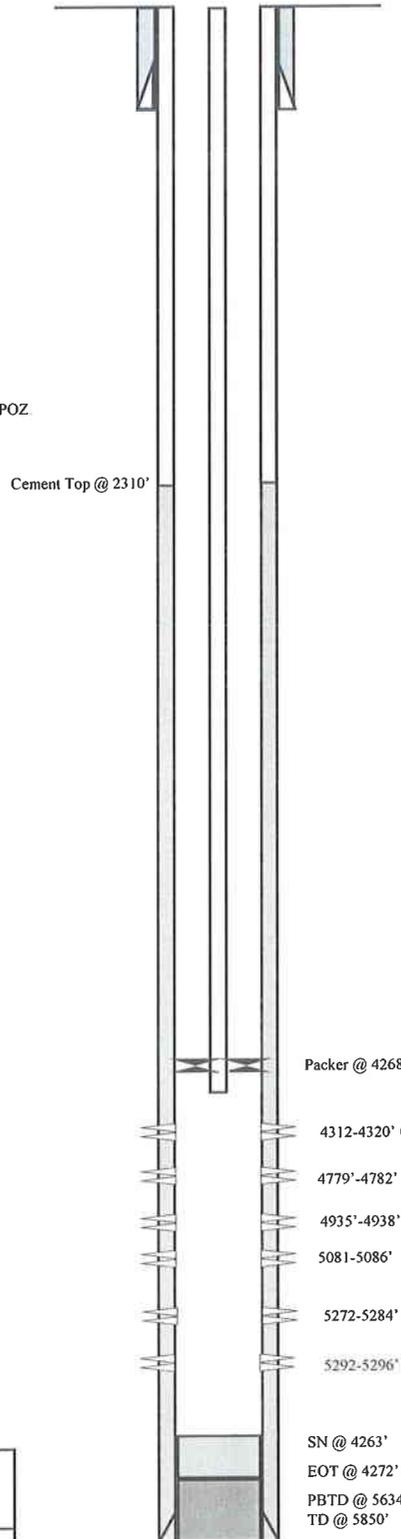
5081'- 5296': 15,000# 20/40 sand + 12,000 lbs 16/30 sand in 403 bbls 2% KCL water.

4779'- 4938': 20,520# 16/30 sand in 149 bbl Viking 1-35 fluid Avg. treating press 2550 psi @ 17 BPM. ISIP 1850 psi. Clac. Flush: 4779 gal, Actual flush: 4704 gal.

8-8-05 5272-5284' Frac A3 sand as follows: 18934#'s 20/40 sand in 206 bbls of Lightning 17 frac fluid. Treated @ ave. pressure 3686 w ave rate of 13.9 BPM. ISIP 3000 Calc. flush 1856 gals. Actual flush 1218

8-8-05 4312-4320' Frac GB6 sand as follows: 21601#'s 20/40 sand in 206 bbls of Lightning 17 frac fluid. Treated @ ave. Pressure 2670 w ave rate of 13.8 BPM. ISIP 1900 Calc. flush 1057 gals. Actual flush 1008 gals.

8-26-05 MIT Completed.



**PERFORATION RECORD**

4779' - 4782'	2 SPF	6 holes
4935' - 4938'	2 SPF	6 holes
5081' - 5086'	2 SPF	4 holes
5292' - 5296'	2 SPF	4 holes
8-5-05 5272-5284'	4 JSPF	48 holes
8-5-05 4312-4320'	4 JSPF	32 holes

**NEWFIELD**

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**Balcron Monument Federal #42-1J**  
 2078 FNL & 629 FEL  
 SENE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31404; Lease #U-40652

# Allen Federal #12-6-9-17

Spud Date: 12/31/81  
 Put on Production: 2/20/82  
 GL: 5352' KB: 5366'

Initial Production: 190 STBOPD,  
 75 MCFD, 39 STBOPD

Wellbore Diagram

**SURFACE CASING**

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: K-55  
 WEIGHT: 24 lbs.  
 LENGTH: 7 jts @ 260'  
 DEPTH LANDED: 270' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 210 sx, Class-H  
 Cement to surface.

**PRODUCTION CASING**

STRING: 1  
 SIZE: 5 1/2"  
 GRADE: K-55, LT&C  
 WEIGHT: 15.5 lbs.  
 LENGTH: 6280'  
 DEPTH LANDED: 6290' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 420 sx, Class-G  
 655 sx, RFC  
 CEMENT TOP AT: 680' KB from CBL

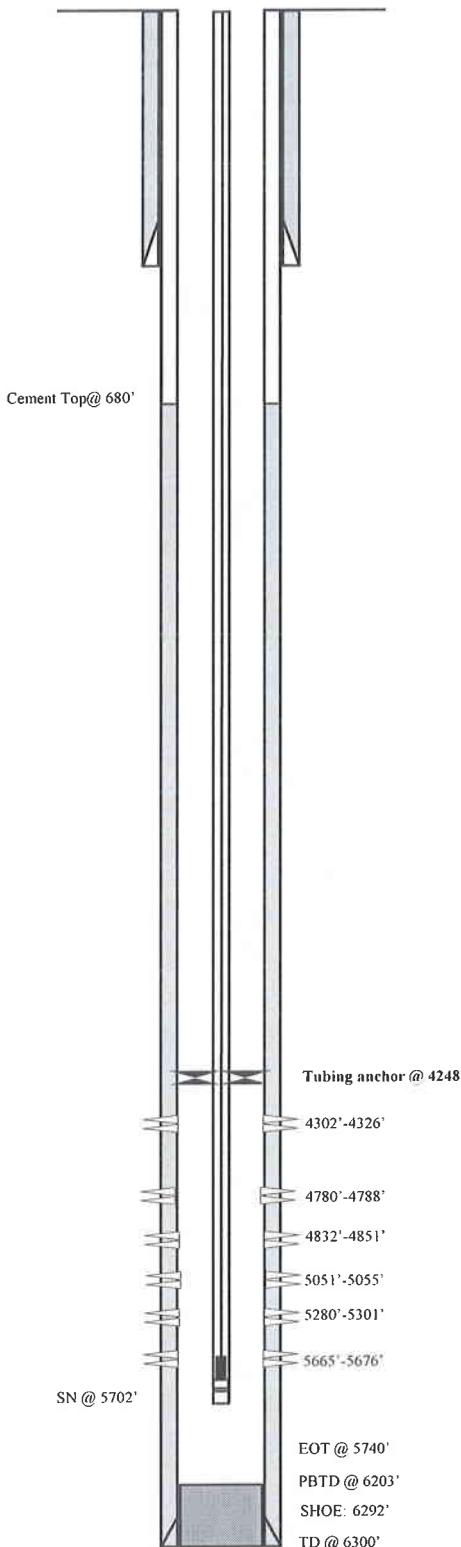
**TUBING RECORD**

SIZE/GRAD: 2 3/8", J-55, 4.7 lbs  
 NO OF JOINTS: 136 jts (4234')  
 TUBING ANCHOR: 4248'  
 NO OF JOINTS: 47 jts (4250.8')  
 SEATING NIPPLE: 2 3/8" (1.10')  
 SN LANDED AT: 5702' KB  
 PERF SUB: 2 3/8" x 4.20'  
 NO OF JOINTS: 1 jt (33.10')  
 TOTAL STRING LENGTH EOT @ 5740' KB

**SUCKER RODS**

POLISHED RODS: 1-1 1/4" x 22'  
 SUCKER RODS: 2-4' x 3/4" pony rod, 1-6' x 3/4" pony rod,  
 103- 1/2" guided rods, 104- 1/4" sucker rods, 15- 3/4" guided  
 rods, 4- 1 1/2" weight bars  
 PUMP SIZE: 2" x 1 1/4" x 12' x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 7

LOGS: Cement Bond, Dual Induction-SFL,  
 Compensated Neutron-Formation Density,  
 Cyberlook



**FRAC JOB**

4302'- 4326' **Frac w/Halliburton on 2-10-82.**  
 36,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10-20  
 mesh sand, Avg 20 BPM @ 1800 psig,  
 max @ 2200 psig, ISIP @ 1800 psig,  
 15 min @ 1540 psig, 20 min @ 1520  
 psig.

4780'- 4788' **Frac w/Western on 9-9-93.**  
 11,718 gal Viking I-35# w/23,800 lbs  
 16-30 meshsand, Avg 12 BPM @ 4200  
 psig, max @ 5000 psig, ISIP @ 2180  
 psig, 5 min @ 1720 psig, 10 min  
 @ 1620 psig, 15 min @ 1560 psig.

4832'- 4851' **Frac w/Halliburton on 2-9-82.**  
 31,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10/20  
 sand Avg treating pressure 1950 psig,  
 max @ 2150 psig, ISIP @ 1950 psig,  
 15 min @ 1780 psig, 20 min @ 1770  
 psig.

5051'- 5055' **Frac w/Western on 9-9-93.**  
 8,190 gal Viking I 35# w/8,000 lbs 16-  
 30 mesh sand, Avg 10.5 BPM @ 4700  
 psig, max @ 4900 psig, ISIP @ 1930  
 psig, 5 min @ 1900 psig, 10 min  
 @ 1870 psig, 15 min @ 1860 psig.

5280'- 5301' **Frac w/Halliburton on 2-8-82.**  
 31,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10-20  
 mesh sand, Avg 20 BPM @ 1800 psig,  
 max @ 2700 psig, ISIP @ 2070 psig,  
 15 min @ 1920 psig, 20 min @ 1900  
 psig.

5665'- 5676' **Frac w/Halliburton on 2-7-82.**  
 36,000 gal Ver 1400 fluid w/40,000 lbs  
 20-40 mesh sand & 10,000 lbs 10-20  
 mesh sand, Avg 15 BPM @ 1700 psig,  
 max @ 2400 psig, ISIP @ 1930 psig,  
 15 min @ 1750 psig, 20 min @ 1720  
 psig.

9/30/02 Pump change. Update rod and tubing details

11/25/09 Parted rods. Updated rod and tubing detail

**ACID JOB**

4302'- 4326' 2500 gal 15% HCl Acid  
 4832'- 4851' 2000 gal 15% HCl Acid  
 5280'- 5301' 2000 gal 15% HCl Acid  
 5665'- 5676' 1000 gal 15% HCl Acid

**PERFORATION RECORD**

4302'- 4326' (24) 49 Holes YELLOW  
 4780'- 4788' (8) 32 Holes RED1 (Added 9-8-93)  
 4832'- 4851' (19) 39 Holes RED2  
 5051'- 5055' (4) 8 Holes GREEN1 (Added 9-8-93)  
 5280'- 5301' (21) 43 Holes GREEN5  
 5665'- 5676' (11) 23 Holes BLUE



**Allen Federal #12-6-9-17**  
 1980' FNL 604' FWL  
 SW/NW Section 6-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-30582; Lease #UTU-020252A

## FEDERAL 1-23-9-16

Spud Date: 12/06/07  
 Put on Production: 02/11/08  
 GL: 5651' KB: 5663'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309 17')  
 DEPTH LANDED: 321'  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: To Surface w/160sx of class 'G' cement

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5815'  
 DEPTH LANDED: 5784'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx of Primlite II and 400 sx of 50/50 poz.  
 CEMENT TOP: 91'

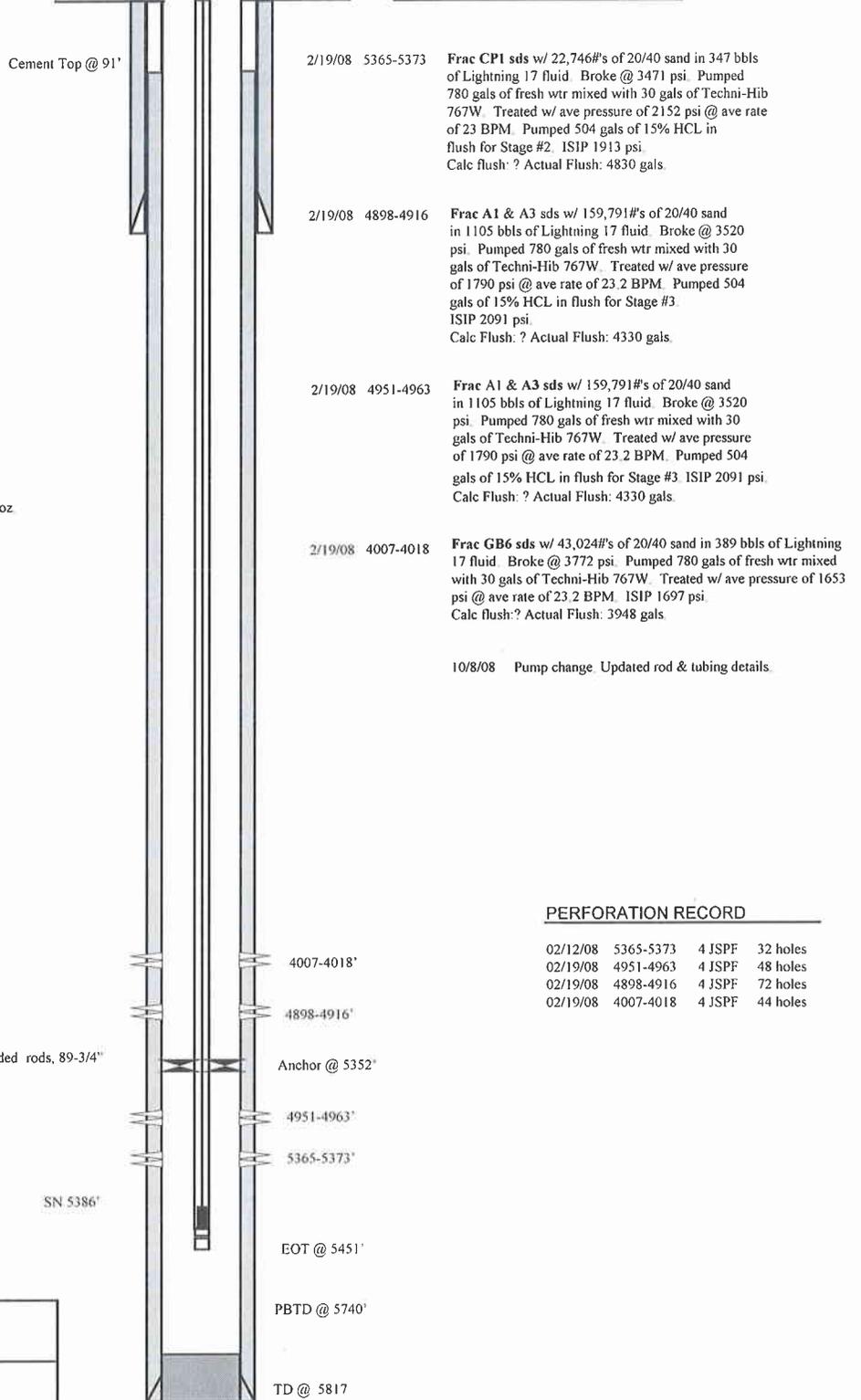
#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 170 jts (5340 76')  
 TUBING ANCHOR: 5352.76' KB  
 NO. OF JOINTS: 1 jt (31.34')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5386.90' KB  
 NO. OF JOINTS: 2 jts (62.82')  
 TOTAL STRING LENGTH: EOT @ 5451.27' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods  
 SUCKER RODS: 1-2', 2-8' X 3/4" Pony Rods, 100-3/4" guided rods, 89-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 15' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED: 4.5 SPM

#### FRAC JOB



#### PERFORATION RECORD

Date	Depth Range	ISPF	Holes
02/12/08	5365-5373	4 ISPF	32 holes
02/19/08	4951-4963	4 ISPF	48 holes
02/19/08	4898-4916	4 ISPF	72 holes
02/19/08	4007-4018	4 ISPF	44 holes

**NEWFIELD**

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**FEDERAL 1-23-9-16**

632' FNL & 472' FEL

NE/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33002; Lease # U-15855

# Monument Butte Federal #1-33-9-16

Spud Date: 4/27/83  
 Put on production: 6/16/83  
 Put on Injection: 8/18/94  
 GL: 5417' KB: 5437'

Initial Production: 110 BOPD,  
 50 MCFD, 0 BWPD

Injection Diagram

**SURFACE CASING**

SIZE: 8 5/8" / K-55 / 24#  
 LENGTH: 7 jts @ 284'  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 225 sxs, Class G, Cemented to Surface

**PRODUCTION CASING**

SIZE: 5 1/2" / J-55 / 15.5#  
 LENGTH: 12 jts. (519')  
 SIZE: 5 1/2" / J-55 / 14#  
 LENGTH: 126 jts (5578')  
 DEPTH LANDED: 6120' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 390 sx, BJ Lite + 710 sx, Class G  
 CEMENT TOP AT: 1880' KB from CBL

**TUBING**

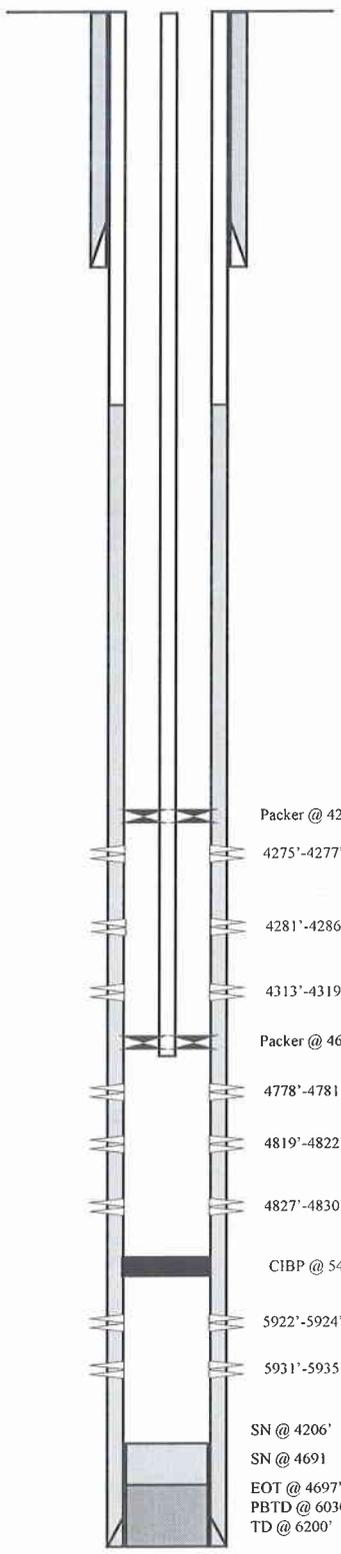
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4205 46')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4206.56 KB  
 CROSSOVER: 2 7/8" x 2 3/8"  
 TUBING PACKER: 4209.66'  
 SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.6#  
 NO. OF JOINTS: 15 jts (4690.19')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4691.29' KB  
 TUBING PACKER: 4697.49'  
 TOTAL STRING LENGTH: EOT @ 4697.49'

**FRAC JOB**

6/07/83 5922'-5935' **Frac zone as follows:**  
 52,000# 20/40 sand in 755 bbls fluid.  
 Treated @ avg press of 2300 psi w/avg  
 rate of 20 BPM. ISIP 2100 psi. Calc.  
 flush: 5922 gal., Actual flush: 6100 gal.

6/10/83 4778'-4830' **Frac zone as follows:**  
 50,000# 20/40 sand in 693 bbls fluid.  
 Treated @ avg press of 1857 psi w/avg  
 rate of 20 BPM. ISIP 2000 psi. Calc.  
 flush: 4778 gal., Actual flush: 5100 gal.

6/12/83 4275'-4319' **Frac zone as follows:**  
 70,000# 20/40 sand in 776 bbls fluid.  
 Treated @ avg press of 2100 psi w/avg  
 rate of 20 BPM. ISIP 2000 psi. Calc.  
 flush: 4275 gal., Actual flush: 4600 gal.



**PERFORATION RECORD**

Date	Depth Range	Number of Holes	Hole Type
6/07/83	5931'-5935'	3	JSPF 12 holes
6/07/83	5922'-5924'	3	JSPF 06 holes
6/09/83	4827'-4830'	2	JSPF 06 holes
6/09/83	4819'-4822'	2	JSPF 08 holes
6/09/83	4778'-4781'	2	JSPF 08 holes
6/12/83	4313'-4319'	3	JSPF 18 holes
6/12/83	4281'-4286'	3	JSPF 18 holes
6/12/83	4275'-4277'	3	JSPF 12 holes



**Monument Butte Federal #1-33-9-16**  
 1980 FSL & 1980 FEL  
 NWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30735; Lease #U-52013

# Monument Butte Federal #1-43-9-16

Spud Date: 3/24/83  
 Put on Production: 6/10/98  
 GL: 5404' KB: 5424'

Initial Production: 100 STBOPD,  
 50 MCFD, 0 STBWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8 5/8" / K-55 / 24 lbs  
 LENGTH: 8 jts @ 328'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 348' KB  
 CEMENT DATA 225 sx, Class-G Cement to surface

**PRODUCTION CASING**

CSG SIZE: 5 1/2" / K-55 / 14#  
 LENGTH: 51 jts  
 CSG SIZE: 5 1/2" / K-55 / 15.5#  
 LENGTH: 101 jts  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 6127' KB  
 CEMENT DATA: 400 sx, BJ Lite + 830 sx, Class-G  
 CEMENT TOP AT: 1500' KB from CBL

**TUBING RECORD**

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#  
 NO. OF JOINTS: 176 jts @ 5358.26'  
 TUBING ANCHOR: 5381.06' KB  
 NO. OF JOINTS: 1 jt (31.66')  
 SEATING NIPPLE: 2 7/8" x 1.1'  
 SN LANDED AT: 5413.82' KB  
 MUD ANCHOR: 1 jt (29.52')  
 TOTAL STRING LENGTH: 5443.79' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' polished  
 SUCKER RODS: 6- 1 1/2" weight rods, 15- 3/4" scraper rods, 103 - 3/4" plain rods, 92-3/4" scraper rods, 1- 3/4" plain rod, 1-2', 2-4' x 3/4" pony rods  
 PUMP SIZE: 2-1/2 x 1-1/2 x 17" RHAC  
 STROKE LENGTH: 80"  
 PUMP SPEED, SPM: 6 spm  
 LOGS: Cement Bond, Dual Induction-SFL, Compensated Neutron-Litho Density, Temperature Survey, Electromagnetic Propagation, Volan

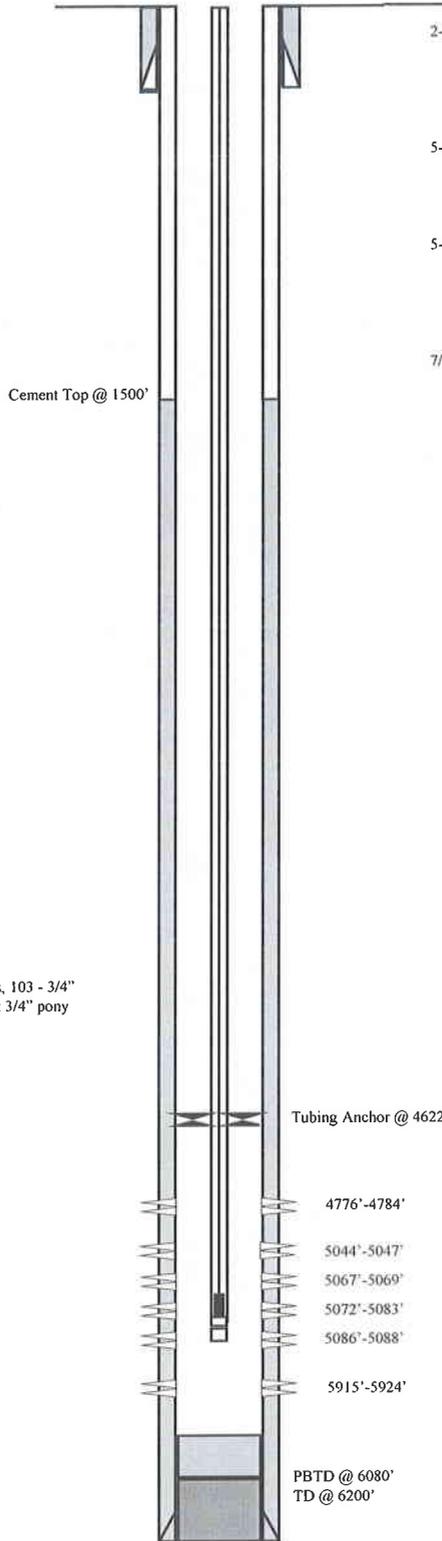
**FRAC JOB**

2-17-94 4776'-4784' Frac w/Western  
 10,038 gal 35# J-4L w/28,520 lbs 16-30 mesh sand, Avg 24 BPM @ 2200 psig, max @ 2750 psig, ISIP @ 2050 psig, 5 min @ 1680 psig, 10 min @ 1540 psig, 15 min @ 1410 psig

5-26-83 5044'-5088' Frac w/Halliburton  
 39,400 gal Gel w/104,000 lbs 20-40 mesh sand, avg 15 BPM @ 2150 psig, max @ 2270 psig, ISIP @ 2900 psig, 15 min @ 1740 psig

5-28-83 5915'-5924' Frac w/Halliburton  
 57,300 gal Gel w/155,000 lbs 20-40 mesh sand, avg 35 BPM @ 1980 psig, max @ 2240 psig, ISIP @ 2010 psig, 5 min @ 1900 psig, 10 min @ 1810 psig, 15 min @ 1760 psig

7/03/02 Pump change Update rod and tubing details



**PERFORATION RECORD**

4776'-4784' (8') 4 SPF (2-17-94) Red 1  
 5044'-5047' (3') 2 SPF Green 1  
 5067'-5069' (2') 2 SPF Green 1  
 5072'-5083' (11') 2 SPF Green 1  
 5086'-5088' (2') 2 SPF Green 1  
 5915'-5924' (9') 3 SPF Blue



**Monument Butte Federal #1-43-9-16**  
 1980 FSL & 660 FEL  
 NESE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30734; Lease #U-52013

Federal 1-24-9-16

Spud Date: 10-10-07  
 Put on Production: 11-5-07  
 GL: 5535' KB: 5547'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.69')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

**PRODUCTION CASING**

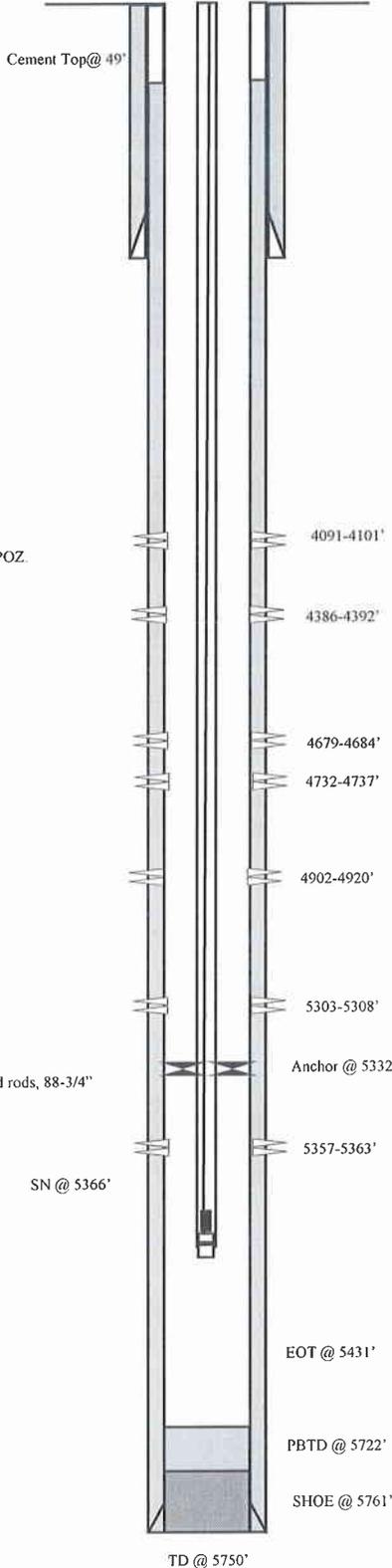
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148jts. (55748.15')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 5761.4'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 49'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts (5319.90')  
 TUBING ANCHOR: 5331.90'  
 NO. OF JOINTS: 1 jts (31.54')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5366.24' KB  
 NO. OF JOINTS: 2 jts (62.96')  
 TOTAL STRING LENGTH: EOT @ 5430.75' w/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-8', 1-6', 1-2' x 3/4" ponies, 99-3/4" scraped rods, 88-3/4" plain rods, 20-3/4" scraped rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14.5"  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5



**FRAC JOB**

- 10-31-07 5303-5363' **Frac CP 1&2 sands as follows:**  
 Frac with 14554# 20/40 sand in 285 bbls  
 Lightning 17 fluid. Treat at 2420 psi @  
 24.8 BPM. ISIP 2020 psi
- 10-31-07 4902-4920' **Frac A3 sands as follows:**  
 Frac with 89906# 20/40 sand in 691 bbls  
 Lightning 17 fluid. Treat at 2070psi @  
 24.8 BPM. ISIP 1785psi.
- 10-31-07 4386-4392' **Frac DS3 sands as follows:**  
 Frac with 25051# 20/40 sand in 339  
 bbls Lightning 17 fluid. Treat at 21300psi  
 @ 24.8 BPM. ISIP 1920 psi.
- 10-31-07 4091-4101' **Frac PB8 sand as follows:**  
 Frac with 62099# 20/40 sand in 499  
 bbls Lightning 17 fluid. Treat at 2028 psi  
 @ 24.8 BPM. ISIP 2110 psi.

**PERFORATION RECORD**

4091-4101'	4 JSPF	40 holes
4386-4392'	4 JSPF	24 holes
4679-4684'	4 JSPF	20 holes
4732-4737'	4 JSPF	20 holes
4902-4920'	4 JSPF	72 holes
5303-5308'	4 JSPF	20 holes
5357-5363'	4 JSPF	24 holes

**NEWFIELD**

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**Federal 1-24-9-16**  
 537' FNL & 671' FEL  
 NENE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33082; Lease #UTU-15855

# Monument Butte #1-34

Spud Date: 3/27/83  
 Put on Production: 6/13/83  
 GL: 5449' KB: 5459'

Initial Production: 65 STBOPD,  
 35 MCFD, 0 STBWPD

Wellbore Diagram

**SURFACE CASING**

SIZE: 8 5/8" / K-55 / 24 lbs  
 LENGTH: 7 jts @ 290'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 300' KB  
 CEMENT DATA: 225 sx Class "G" cement to surface

**PRODUCTION CASING**

SIZE: 5 1/2" / J-55 / 15.5 lbs  
 LENGTH: 0' - 600'  
 SIZE: 5 1/2" / J-55 / 14 lbs  
 LENGTH: 600' - 6170'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 6170' KB  
 CEMENT DATA: 300 sx BJ Lite & 760 sx Class G  
 CEMENT TOP AT: 1720' from CBL

**TUBING RECORD**

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs  
 NO. OF JOINTS: 148 jts (4681')  
 TUBING ANCHOR: 4694'  
 NO. OF JOINTS: 39 jts (1232')  
 SEATING NIPPLE: 2 7/8" (1 10")  
 SN LANDED AT: 5926' KB  
 PERF. SUB: 4 0'  
 TOTAL STRING LANDED: EOT @ 5960'

**SUCKER RODS**

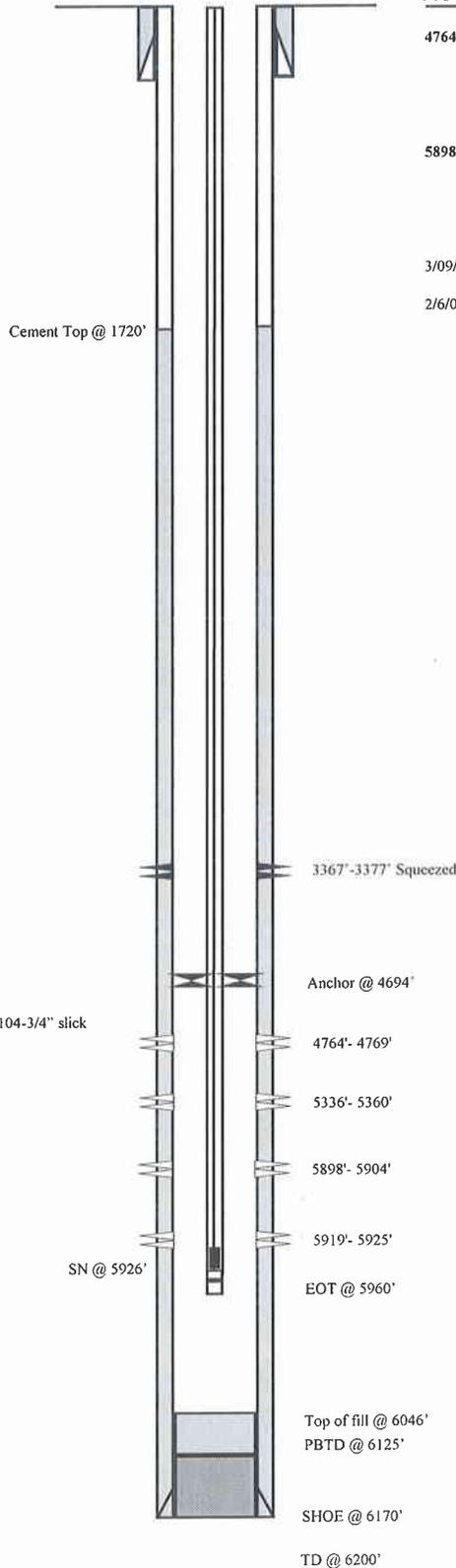
POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight bars; 35-3/4" scraper rods, 104-3/4" slick rods, 90-3/4" scraper rods, 2-2", 1-8" x 3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/SP/GR/CAL

**FRAC JOB**

4764'- 4769', **Frac w/Halliburton on 6/5/83.**  
 32500 gal X-Link Gel w/86000 lbs 20-40 mesh sand. Avg. 15 BPM @ 2120 psig, max @ 2430 psig, ISIP @ 2260 psig, 15 min @ 2040 psig. 5336'- 5360' **Zone not fraced.**

5898'- 5925', **Frac w/Halliburton on 4/23/83.**  
 57000 gal Versagel w/147000 lbs 20-40 mesh sand. Avg. 15 BPM @ 2027 psig, max @ 2470 psig, ISIP @ 2260 psig, 5 min @ 2110 psig, 10 min @ 2040 psig, 15 min 1980 psig.

3/09/02 Rod job. Update rod and tubing details.  
 2/6/04 Pump change. Update rod details.



**PERFORATION RECORD**

3367'- 3377' (10') 2 SPF Squeezed 6/11/83  
 4764'- 4769' (5') 3 SPF  
 5336'- 5360' (14') 2 SPF  
 5898'- 5904' (6') 2 SPF  
 5919'- 5925' (6') 2 SPF



**Monument Butte #1-34**  
 710 FSL & 1980 FEL  
 SWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30736; Lease #U-52013

# Monument Butte Federal #1-23-9-16

Spud Date: 3/19/82  
 Put on Projection: 12/6/82  
 GL: 5432' KB: 5442'

Initial Production: 156 STBOPD,  
 100 MCFD, 0 STBWPD

Wellbore Diagram

## SURFACE CASING

SIZE: 8 5/8" / J-55 / 24#  
 LENGTH: 6 jts (243')  
 DEPTH LANDED: 256'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150 sx, Class "G". Cement to surface

## PRODUCTION CASING

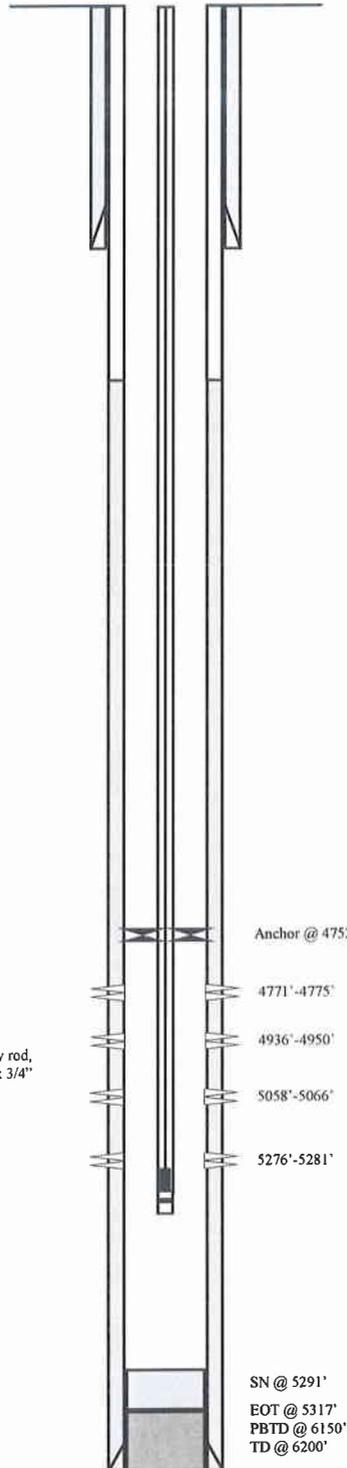
SIZE: 5 1/2" / J-55 / 15.5#  
 LENGTH: 15 jts (633')  
 SIZE 5 1/2" / J-55 / 14#  
 LENGTH: 139 jts (5580')  
 DEPTH LANDED: 6200' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 365 sx, BJ Lite & 625 sx, Class G  
 CEMENT TOP AT: 1890' from CBL

## TUBING RECORD

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 144 jts (4748')  
 TUBING ANCHOR: 4752'  
 NO OF JOINTS: 16 jts (528')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5291' KB  
 NO OF JOINTS: 1 jts Perf Sub (3')  
 NO OF JOINTS: 1 jts Mud Anchor (33')  
 TOTAL STRING LENGTH: EOT @ 5317'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-1" x 2' pony rod, 4-1 1/2" weight bars, 1-1" x 2' pony rod,  
 4-3/4" scraper rods, 176-3/4" slick rods, 25-3/4" scraper rods, 1-4', 1-6' x 3/4"  
 pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 75"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: Dual Induction-SFL, Cement Bond Log,  
 Compensated Neutron-Formation Density Log



## FRAC JOB

11/15/82 5058'-5281' **Frac sand as follows:**  
 84,000# 20/40 sand in 908 bbls fluid  
 Treated @ avg press of 2850 psi w/avg  
 rate of 30 BPM ISIP 2150 psi. Calc  
 flush: 5058 gal, Actual flush: 5160 gal

11/23/82 4771'-4950' **Frac sand as follows:**  
 92,000# 20/40 sand in 973 bbls fluid  
 Treated @ avg press of 2348 psi w/avg  
 rate of 30 BPM ISIP 1940 psi. Calc  
 flush: 4771 gal, Actual flush: 4900 gal

5/31/00  
 Pump change Update rod and tubing details

## PERFORATION RECORD

Date	Depth Range	SPF	Holes
11/11/82	5276'-5281'	1	07 holes
11/11/82	5058'-5066'	1	08 holes
11/22/82	4936'-4950'	1	15 holes
11/22/82	4771'-4775'	1	05 holes



**Monument Butte Federal #1-23-9-16**  
 1980 FSL & 1980 FWL  
 NWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30646; Lease #U-18399



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **Mon Fed 32-1J-9-16**  
Sample Point: **tank**  
Sample Date: **11/20/2009**  
Sales Rep: **Randy Huber**  
Lab Tech: **Peter Poulsen**

Sample ID: **WA-33990**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/20/2009	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	100	Calcium (Ca):	40.00	Chloride (Cl):	4000.00
Sample Pressure (psig):	0	Magnesium (Mg):	-	Sulfate (SO <sub>4</sub> ):	5.00
Specific Gravity (g/cm <sup>3</sup> ):	1.0060	Barium (Ba):	4.00	Dissolved CO <sub>2</sub> :	-
pH:	7.8	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	1147.00
Turbidity (NTU):	-	Sodium (Na):	2963.00	Carbonate (CO <sub>3</sub> ):	-
Calculated T.D.S. (mg/L)	8159	Potassium (K):	-	H <sub>2</sub> S:	-
Molar Conductivity (µS/cm):	12362	Iron (Fe):	0.12	Phosphate (PO <sub>4</sub> ):	-
Resitivity (Mohm):	0.8089	Manganese (Mn):	0.08	Silica (SiO <sub>2</sub> ):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
		Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub> psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100	0	4.12	9.95	0.00	-2207.50	0.00	-2330.90	-	-	0.60	-2.48	0.48
80	0	3.06	7.29	0.00	-17.36	0.00	-2481.20	-	-	0.90	-0.44	0.23
100	0	4.12	9.95	0.00	-13.39	0.00	-2330.90	-	-	0.60	-2.48	0.29
120	0	5.19	12.33	0.00	-10.35	0.00	-2111.00	-	-	0.40	-4.85	0.32
140	0	6.27	14.64	0.00	-7.97	0.00	-1852.80	-	-	0.28	-7.57	0.36
160	0	7.30	16.80	0.00	-6.16	0.00	-1582.80	-	-	0.20	-10.66	0.40
180	0	8.21	18.66	0.00	-4.81	0.00	-1320.90	-	-	0.14	-14.15	0.44
200	0	8.93	20.05	0.00	-3.83	0.00	-1080.00	-	-	0.10	-18.09	0.45
220	2.51	9.37	21.00	0.00	-3.17	0.00	-876.32	-	-	0.07	-22.83	0.45
240	10.3	9.63	21.18	0.00	-2.70	0.00	-693.11	-	-	0.05	-27.89	0.46
260	20.76	9.67	20.74	0.00	-2.38	0.00	-539.84	-	-	0.04	-33.57	0.46
280	34.54	9.50	19.78	0.00	-2.18	0.00	-414.28	-	-	0.03	-39.94	0.47
300	52.34	9.16	18.41	0.00	-2.07	0.00	-313.13	-	-	0.02	-47.12	0.48

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate Scaling Index is negative from 80°F to 300°F

**Notes:**



**Multi-Chem Group, LLC**

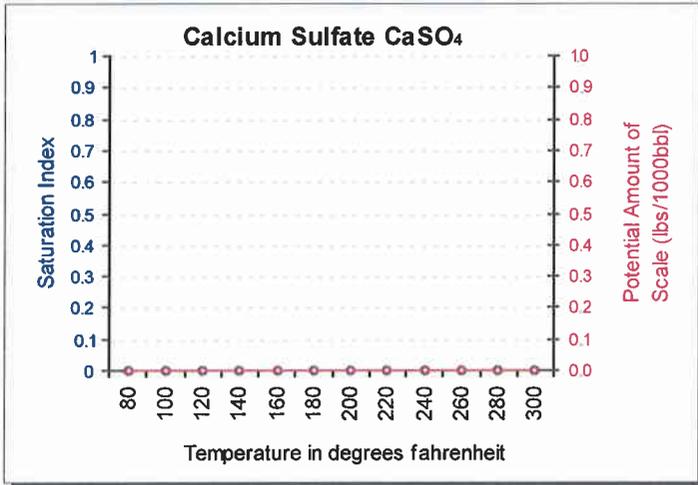
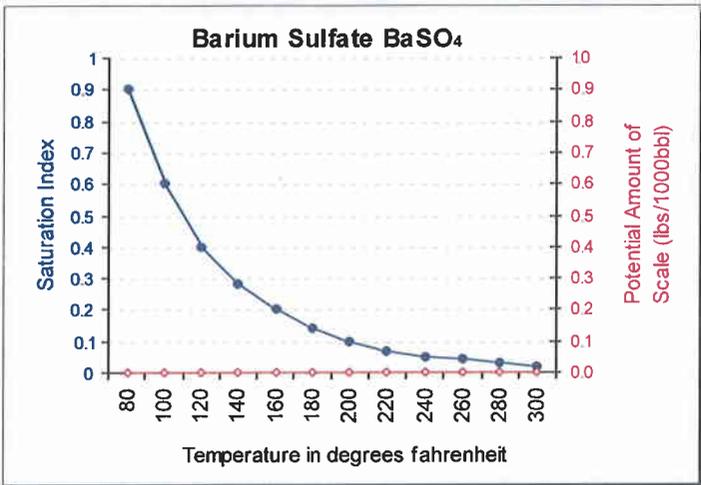
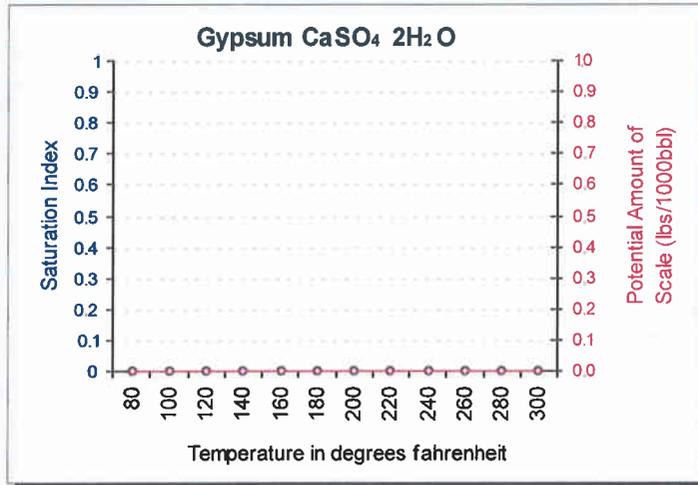
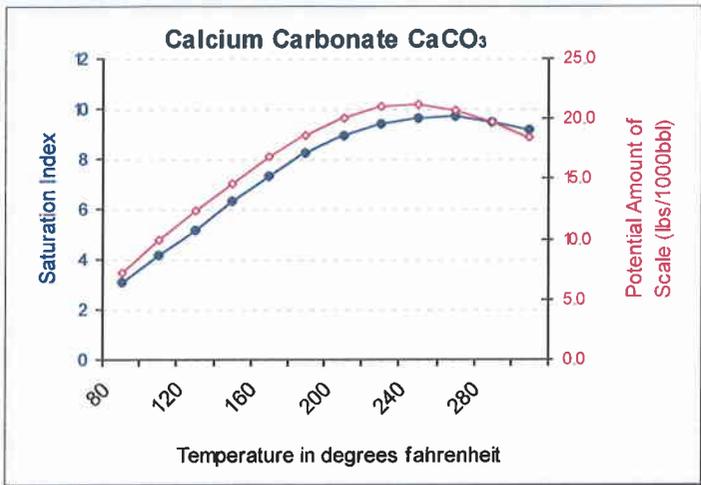
Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

multi-chem®

Scale Prediction Graphs

Well Name: **Mon Fed 32-1J-9-16**

Sample ID: **WA-33990**



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laborator  
1553 East Highway 40  
Vernal, UT 84078

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **JONAH INJ**  
Sample Point: **Before Filters**  
Sample Date: **1 / 1 / 2010**  
Sales Rep: **Randy Huber**  
Lab Tech: **John Keel**

Sample ID: **WA-35263**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/5/2010	<b>Cations</b>		<b>Anions</b>	
Temperature (°F):	90		mg/L		mg/L
Sample Pressure (psig):	0	Calcium (Ca):	80.00	Chloride (Cl):	4000.00
Specific Gravity (g/cm³):	1.0050	Magnesium (Mg):	48.80	Sulfate (SO₄):	323.00
pH:	8.5	Barium (Ba):	34.00	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	658.00
Calculated T.D.S. (mg/L):	7933	Sodium (Na):	2785.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	12020	Potassium (K):	-	H₂S:	2.00
Resitivity (Mohm):	0.8319	Iron (Fe):	2.08	Phosphate (PO₄):	-
		Manganese (Mn):	0.57	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
90	0	17.10	29.28	0.02	-1942.70	0.01	-2189.80	-	-	375.54	57.61	0.05
80	0	14.76	26.59	0.02	20.45	0.01	-2253.30	-	-	464.73	57.64	0.02
100	0	19.38	31.61	0.02	25.38	0.01	-2104.60	-	-	305.28	57.57	0.03
120	0	23.68	35.30	0.02	28.95	0.02	-1885.50	-	-	205.05	57.47	0.03
140	0	27.54	37.86	0.03	31.43	0.02	-1627.30	-	-	140.63	57.32	0.04
160	0	30.47	38.83	0.03	32.45	0.03	-1356.90	-	-	98.20	57.12	0.04
180	0	32.13	38.01	0.03	31.89	0.04	-1094.20	-	-	69.69	56.85	0.05
200	0	32.40	35.56	0.04	29.90	0.06	-852.40	-	-	50.15	56.48	0.05
220	2.51	31.15	32.24	0.04	27.14	0.08	-647.23	-	-	35.89	55.95	0.05
240	10.3	29.15	28.12	0.04	23.67	0.13	-463.09	-	-	26.37	55.26	0.05
260	20.76	26.54	24.01	0.05	20.19	0.21	-308.95	-	-	19.58	54.36	0.05
280	34.54	23.61	20.22	0.05	16.96	0.35	-182.65	-	-	14.67	53.18	0.05
300	52.34	20.61	16.94	0.05	14.12	0.58	-81.18	-	-	11.07	51.64	0.05

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temperatures from 80°F to 300°F

**Notes:**



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory

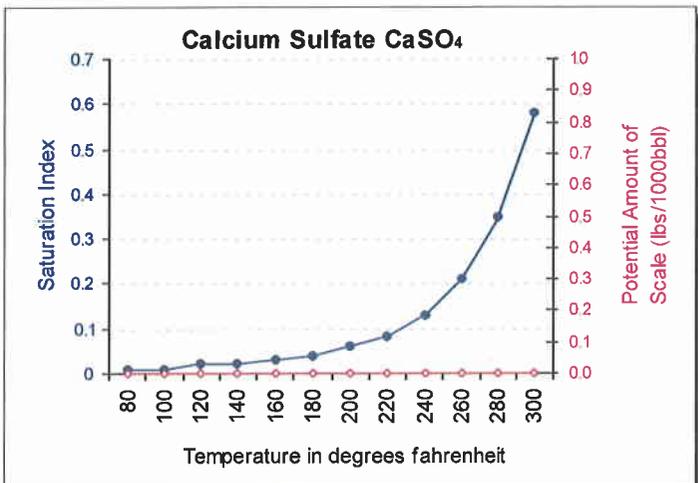
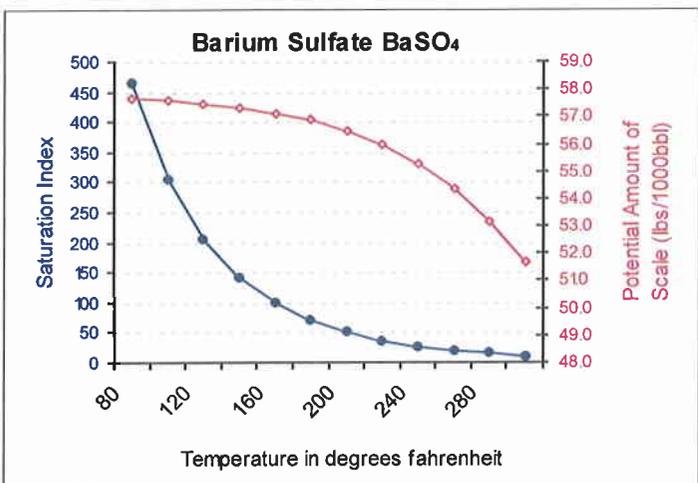
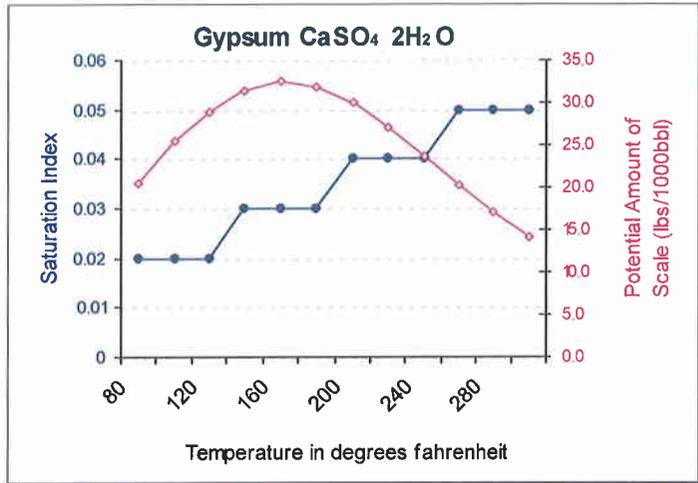
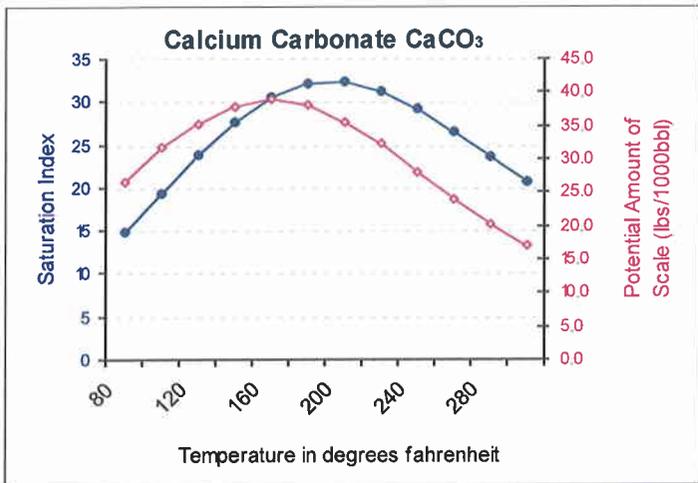
1553 East Highway 40

Vernal, UT 84078

**Scale Prediction Graphs**

Well Name: **JONAH INJ**

Sample ID: **WA-35263**



**Attachment "G"**

**Monument Federal #32-1J-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5276	5288	5282	2250	0.86	2216
4786	4946	4866	2200	0.89	2169
4474	4501	4488	2400	0.97	2371
4222	4297	4260	2180	0.95	2153 ←
				<b>Minimum</b>	<u><u>2169</u></u>

Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

SEP- 8-94 THU 22:03

P. 02



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-3-94

Wellname Monument Fed, 32-1J Sec. 1 Twn. 9 S Rng. 16 E

Field Monument Butte County Duchesne State Utah

Total Depth \_\_\_\_\_ PBD \_\_\_\_\_ KB 10 Elev. GL \_\_\_\_\_

T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3

Perforations / Open Hole: \_\_\_\_\_

Present Operation: New completion

Description of Operations: \_\_\_\_\_

1230 M/RH Cannon well service Rig # 2

NU 5M well head

NU BOP

TIH w/4 3/4" BIT + ~~drilled~~ casing column to 1500'

1800 SWIFN

DAILY COSTS:

Completion Rig	\$ 647	Chemicals	\$	Packer	\$
BOP Rental	\$ 125	Transportation	\$ 529	Wellhead Equip	\$
H. of Oiler	\$	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 90	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$ 2390	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Control Panel	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Dully Total:	\$ 5039	Dirtwork # 348	\$	Rig # 250	\$
Cumulative Cost:	\$				

Operations Supervisor: Dale [Signature]

SEP- 9-94 FRI 20:10

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**EQUITABLE SOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-9-94

Wellname Monument Red, 32-15 Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. G. 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG; Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5276-88 4 SPF  
 Present Operation: Flow Completion

Description of Operations:

0700 Continue in hole with bit + scraper.  
Log PBD AT 5743' KB.  
Circulate hole clean w/126 BBL, 2% KCL WATER.  
Tool w/ TBC, + TOOLS.  
R U SCHLUMBERGER + RUN CBL FROM ~~200~~ PBD TO 200'  
ABOVE CEMENT TOP.  
CEMENT TOP AT 1882' KB  
R U SCHLUMBERGER + PERF. 5276-88' KB, 4 SPF.  
R D " "  
TIH w/ 1-RBP 2 3/8 X 5 1/2, 1- 3/8 X 6' SUB, 1- 2 3/8 X 5 1/2 HD PER, 1- SET  
NIPPLE & 169 JTS, 2 3/8 TBC,  
SET BP AT 5329' KB  
PULL UP & SET PKR. AT 5218' KB, EOT AT 5232' KB.

1700 SWIFN

DAILY COSTS:

Completion Rig	\$ 1440	Chemicals	\$	Packer	\$
BCP Rental	\$ 225	Transportation	\$	Wellhead Equip	\$
Fluid Oiler	\$	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 90	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Lcg / Perforate	\$ 4534	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total	\$ 6249				
Cumulative Cost:	\$				

Operations Supervisor:

*Paul [Signature]*

SEP-11-94 SUN 22:01

P.01



**EQUITABLE SOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-10-94

Wellname Monument Fed. 32-1WJ Sec. 1 Twn. 9S Rng. 16E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. Gl. 5397  
 TBG: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5276-88

Present Operation: New Completion

Description of Operations: Est. 0 PSI, TBG, 0 PSI  
0700 B U western To Do KCL Break Down On 5276-88  
Refer to treatment Report.

R D western

TOPH W/TBG. 7 PRR.

B U western To SAND FRAC 5276-88  
Refer to treatment Report.

0920 START FRAC

1530 SWIFD

LOAD TO RECOVER 409 BOW

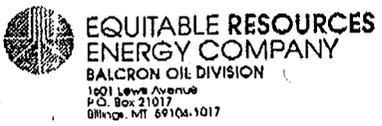
DAILY COSTS:

Completion Rig	\$ 521	Chemicals	\$	Packer	\$
BCP Rental	\$ 125	Transportation	\$	Wellhead Equipment	\$
Hot Oil	\$	Tank Rental	\$ 60	Valves	\$
Equipment Rental	\$ 40	Tubing	\$	Treater/Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Control	\$
Stimulation	\$ 25503	Downhole Pump	\$	Supplies	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$ 26249				
Cumulative Cost:	\$				

Operator's Signature: Dale W. M.

SEP-11-94 SUN 22:02

P. 03



TREATMENT REPORT

Date of Treatment: 9-10-94  
 Well Name: Monument Fed. 32-1 J SEC. 1 TWN. 9 S RNG. 16 E  
 Field: Monument Route County: DuChesne State: WV  
 Formation/Perforations: Green River / 5276-88

Treatment type: KCL Break Down Total Number of Holes: 48  
 Treatment Company: Western

Volume	Fluid	Conc.	Sand Characteristics	Volume
Gal.				
Gal.				
Gal.				
Gal.				#

TOTAL FLUID PUMPED: 2394 gal. 2.70 KCL WATER Acid fluid

TOTAL SAND VOL.: ~~lbs. sand~~  
~~lbs. sand~~  
~~lbs. sand~~  
~~lbs. bauxite~~

Flushed well with 96 gal. of 96 ball sealers were pumped. Was ball action seen? HI HI HI HI HI HI HI  
 Barrels of Load to Recover 57 BJTR. |||| BALL OUT  
 Avg. Treating Pressure = 2600 psl, max = 5000 psl, min = 2800 psl.  
 Avg. Treating Rate = 6.2 bpm, max = 6.3 bpm, min = 6.1 bpm.  
 ISIP = 1300 psl, 5 min. = \_\_\_\_\_ psl, 10 min. = \_\_\_\_\_ psl, 15 min. = \_\_\_\_\_ psl.  
 Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: Pump 4 Balls per BBL.  
INITIAL BREAK AT 2800 PSI AT 2.5 BPM.  
BACK TO 2400 PSI AT 6.2 BPM  
SURGE BALLS OFF, PUMP FOR RATE, 6.4 BPM AT 2500 PSI.

Well site Supervisor: Dale Griffin

SEP-11-94 SUN 22:01

P. 02



TREATMENT REPORT

Date of Treatment: 9-10-94

Well Name Monument Fed. 32-1 J SEC. 1 TWN. 9 S RNG. 16 E  
 Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5276-88

Treatment type: SAND FRAC. Total Number of Holes: 48  
 Treatment Company: WESTERN

Sand Characteristics

Volume	Fluid	Conc.	Size		Volume
Gal.			BPM	PSI	
55 2300	Gal. 2% KCL WATER (PAD)	0	30.0	2700	
23 <del>2900</del>	Gal. "	2 #	30.0	2820	2940 1800 #
25 900	Gal. "	4 #	30.8	2850	294 3100 #
27 1800	Gal. "	5 #	31.0	2850	2940 5000 #
36 1200	Gal. "	6 #	30.8	2870	2940 7200 #
36 1800	Gal. "	6 #	30.8	2810	16130 7200 #
50 1800	Gal. "	7 #	30.8	2240	16130 11200 #
126 5273	Gal. " flush	0	31.0	2310	2370 #
	Gal.				1 #

TOTAL FLUID PUMPED: 14784 gal. 35% Acid fluid  
2974 gal. 2% KCL WATER

TOTAL SAND VOL.: 17640 lbs. 2940 sand  
20,540 lbs. 16130 sand  
1 lbs. sand  
1 lbs. bauxite

Flushed well with 5273 gal. of 2% KCL WATER  
 ball sealers were pumped. Was ball action seen?                       
 Barrels of Load to Recover 352 BJTR.

Avg. Treating Pressure = 2550 psl, max = 2870 psl, min = 2200 psl.  
 Avg. Treating Rate = 30.7 bpm, max = 31.2 bpm, min = 30.0 bpm.  
 ISIP = 2250 psl, 5 min. = 2040 psl, 10 min. = 1870 psl, 15 min. = 1830 psl.  
 Well will be shut in for                      hrs. before bringing back fluid. 30 min. = 1710 psl.

REMARKS: FORCED CLOSURE FLOW BACK @ 5 BPM, 30 MIN

.865 FRAC GRADIENT

Well site Supervisor: Dale Stricklin

SEP-12-94 MON 20:33

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**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-12-94

Wellname Monument Fed, 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. GL 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5/8 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5276-88 4 SPF

Present Operation: New Completion

Description of Operations: Cal. 1 PSI.  
0700 TW WIRE RETRIEVING TOOL, 1-2 3/8 X 4' SUB, HD PKR., SEAT  
NIPPLE 4 1/8 JTS, 2 7/8 TBB,  
TBB SAND AT 5149' KB.  
CIRCULATE DOWN TO BP AT 5239' KB.  
PULL UP & SET PKR. AT 5218' KB, EOT 5232' KB.

0915 MADE 34 SWBB RUNS. RECOVERED 204 BBL. OF WATER,  
TRACE OF OIL, GOOD GAS.

LOST 5 RUNS, FLUID LEVEL AT 2500', NO SAND.

DAILY COSTS:

Completion Rig	\$ 1580	Chemicals	\$	Packer	\$ 1809
BOP Rental	\$ 125	Transportation	\$	Wellhead Equip	\$
H. I. Oiler	\$ 38.5	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total	\$				
Cumulative Cost	\$				

*(Handwritten signature)*



EQUITABLE ENERGY COMPANY  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-13-94

Wellname Monument Fed. 32-15 Sec. 1 Twn. 9 S. Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5800 PBDT 5743 KB 10 Elev. GL 5397  
 TBG.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4938-46, 5276-88  
 Present Operation: Flow Completion

Description of Operations: TOG, P5)  
0700 made 15 swf runs, recovered 90 OBL of fluid,  
100% WATER, TRACE OIL, SOME GAS, NO SAND

~~0700~~ Release pdr., tag sand at 5295' KB, Circulate  
 Down to BP at 5239' KB. Release BP, ROIL BP at  
 5016' KB.  
 TROIL withg & pdr.

Rig up Schlumberger & permate 4786-88 3 SHOTS.  
 4938-46 10 SHOTS.  
 Rig Down Schlumberger.

TTH w/Retrieving lead, 2 3/8 X 4' sub., 1 1/2" D pdr., slot pipe  
 & 156 JTS, 2 1/2" TBG., set pdr. at 4904' KB, EDT 4918' KB.

1300 SWFN.

LOAD TO RECOVER 115 BBL

DAILY COSTS:

Completion Rig	\$ 1011	Chemicals	\$	Packers	\$
BCP Rental	\$ 12.5	Transportation	\$	Wellhead Equip.	\$
Hot Oil	\$	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 50	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$ 385	Rods	\$	Tanks	\$
Log / Perforate	\$ 12.13	Pony & Pups	\$	Config. Equip.	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$				
Cumulative Cost:	\$				

Operations Supervisor: Dale Griffin

SEP-15-94 THU 6:14

P.01



**EQUITABLE SOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-14-94

Wellname Monument Fed, 32-15 Sec. 1 Tw. 9 S Rng. 16 E

Field Monument Butte County Deuel State WY

Total Depth 5800 PBD 5734 KB 10 Elev. G. 5397

T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3

Perforations / Open Hole: 4788-88, 4938-46, 5276-88

Present Operation: New Completion

Description of Operations: Cal. PS, BP AT 5016' KB PKR. AT 4904' KB  
0700 R.U. WESTERN TO DO KCL BREAK DOWN ON 4938-46,  
REFER TO TREATMENT REPORT.

RESET BP AT 4830' KB,  
SET PKR. AT 4750' KB; EOT AT 4764' KB

R.U. WESTERN TO DO KCL BREAK DOWN ON 4768-88  
REFER TO TREATMENT REPORT

RESET BP AT 5016' KB.

TOOK W/TBG. & PKR.

R.U. WESTERN & SAND FRAC. 4768-88 & 4938-46

1240 SWIFD

LOAD TO RECOVER

90  
115  
205

DAILY COSTS:

Completion Rig	\$ 773	Chemicals	\$	Packers	\$
BCP Rental	\$ 125	Transportation	\$	Wellhead Equip.	\$
Fluid Oiler	\$ 278	Tank Rental	\$ 60	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Conf. Equip.	\$
Stimulation	\$ 21675	Downhole Pump	\$	Superchargers	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$ 22951				
Cumulative Cost:	\$				

Operations Superintendent

*[Signature]*

SEP-15-94 THU 6:15

P. 03



TREATMENT REPORT

We Name Monument Fed. 32-15 Date of Treatment: 9-14-94
File Monument Butte County Duchesne State Utah
Formation/Perforations: Green River / 4938-46

Treatment type: KCL BREAK DOWN Total Number of Holes: 10
Treatment Company: WESTERN

Table with columns: Volume, Fluid, Conc., Sand Characteristics (Size, Volume). Multiple rows for fluid volume and sand characteristics.

TOTAL FLUID PUMPED: 1806 gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: lbs. sand, lbs. sand, lbs. sand, lbs. bauxite

Finished well with 20 gal. of ball sealers were pumped. Was ball action seen? YES!!! BALL OUT
Backs of Load to Recover 43 BLTR.

Av. Treating Pressure = 3100 psi, max = 4900 psi, min = 1090 psi.
Av. Treating Rate = 4.2 bpm, max = 7.2 bpm, min = 4.3 bpm.
ISII = 680 psi, 5 min. = psi, 10 min. = psi, 15 min. = psi.
Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: PUMP 2 BALLS PER BBL., 4 BPM
INITIAL BREAK AT 2600 PSI AT 4.0 BPM
BACK TO 1090 PSI AT 4.6 BPM
SURGE BALLS OFF, PUMP FOR RATE, 7.2 BPM AT 2300 PSI

Well site Supervisor: Dana Stratton





TREATMENT REPORT

Date of Treatment : 9-14-94  
Well Name Monument Fed. 32-1 J SEC. 1 TWN. 9 S RNG. 16 E  
Field Monument Butte County Duchesne State Utah  
Formation/Perforations: Green River / 4786-88, 4938-46

Treatment type: SAND FRAC. Total Number of Holes: 13  
Treatment Company: Western

Volume	Fluid	Conc.	Sand Characteristics		Size	Volume
			BPM	PSI		
Gal.						
Gal.						
45 1900 Gal.	2% KCL WATER	PAD, 0	25.0	2530		
19 750 Gal.	"	2 #	27.8	2860	16130	1500 #
21 750 Gal.	"	4 #	29.6	3020	16130	3000 #
23 900 Gal.	"	5 #	29.3	3300	16130	4000 #
61 2000 Gal.	"	6 #	29.5	2900	16130	12000 #
41 1100 Gal.	"	7 #	29.6	2780	16130	6300 #
113 4746 Gal.	"	FLUSH 0	30.0 29.2	2780 3300		#
Gal.					1	#
Gal.					1	#

TOTAL FLUID PUMPED: 2096 gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: 26800 lbs. 16130 sand  
1 lbs. sand  
1 lbs. sand  
1 lbs. bauxite

Finished well with 4746 gal. of 2% KCL WATER  
1 ball sealers were pumped. Was ball action seen? Yes  
 Barrels of Load to Recover 288 BLTR.

Av. Treating Pressure = 3000 psl, max = 3300 psl, min = 2780 psl.  
 Av. Treating Rate = 29.5 bpm, max = 30.4 bpm, min = 25.0 bpm.  
 ISII = 2200 psl, 5 min. = 1340 psl, 10 min. = 1220 psl, 15 min. = 1140 psl.  
 Well will be shut in for 19 hrs. before bringing back fluid. 30 MIN = 790 PSI

REMARKS: 30 MIN. FORCED CLOSURE

FRAC. GRADIENT .892

Well site Supervisor: Delag...

SEP-15-94 THU 21:02

P.01



DAILY COMPLETION / WORKOVER REPORT

DATE: 9-15-94

Wellname Monument Fed. 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Butte County Duchesne State Utah  
 Total Depth 5900 PBDT 5794 KB 10 Elev. GL 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4998-46, 5276-88  
 Present Operation: New Completion

Description of Operations: Cal. 530 PSI.

0700 FLOW BACK 15 BBL. OF OIL

~~REMOVE~~ T.I.H. W/ RETRIEVING TOOL, 2 3/8 X 4' SUB, HD PKR, SEAT  
 NIPPLE & 155 JTS, 2 7/8 TBC.  
 TAG SAND AT 4800' KB.  
 CIRCULATE DOWN TO BP AT 5016' KB  
 PULL UP & SET PKR. AT 4750' KB.

Made 26 surf Runs. Recovered 156 BBL. of fluids.  
 10 BBL. OIL, 146 BBL. WATER. GOOD GAS.  
 1-4 RUN 100% WATER  
 LAST 7 RUNS, 15% oil.

LAST 5 RUNS, FLUID LEVEL 2500'

1630 SWIFD

DAILY COSTS:

Completion Rig	\$ 1543	Chemicals	\$	Packers	\$
BCP Rental	\$ 125	Transportation	\$	Wellhead Equip	\$
Hot Oil	\$	Tank Rental	\$ 90	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$ 125
Daily Total:	\$				
Cumulative Cost:	\$				

Dallas, TX

SEP-18-94 SUN 22:38

P. 01



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-16-94

Wellname Monument Fed. 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Belle County Deuel State Utah  
 Total Depth 5800 PBDT 5734 KB 10 Elev. GI. 5397  
 T.B.G.: Size 2 7/8 Wt. 6.5 #ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4938-46, 5276-88  
 Present Operation: \_\_\_\_\_

Description of Operations: Cap. 0 PSI, T.B.G. 65 PSI, FLUID LEVEL 1200'  
0700 Made 1 - sweet Run, 80% oil, .4 BBL. oil, 1 - BBL. water.

RELEASE PKR, TAG SAND AT 4956' KB., CIRCULATE DOWN TO  
BP AT 5616' KB. RELEASE BP, TOOH W/TBG & TOOLS.  
TIH W/TBG. PRODUCTION STRING.

1-JT, 2 7/8 EUE J-55 B.A.D. 6.5 #	30.66	5353.86
1-PERF. SUB 2 7/8 X 4'	4.20	5323.20
1-SEAT NIPPLE	1.10	5319.00
18-JTS, 2 7/8 EUE J-55 B.A.D. 6.5 #	562.17	5317.90
1-TBG ANCHOR 2 7/8 X 5 1/2 (TRICO)	2.35	4755.73
151-JTS, 2 7/8 EUE J-55 B.A.D. 6.5 #	4743.38	4753.38
	KB	10.00

N.D. BOB, N.D. 5M WELL HEAD, N.H. 3M WELL HEAD.  
SET TBG. ANCHOR W/20" TENSION.

TIH W/ROD PRODUCTION STRING.  
1-BHP 2 1/2" X 1 1/2" X 16' BIVAC W/PA PLUNGER, (TRICO #077)  
2 1/2" X 2 1/2" D-61 SLICK  
1-POLISH ROD 1 1/4" X 22' 5M

HANG WELL ON, PRESS TEST BHP & TBG TO 1000 PSI,  
OK.

2000 B.D. MOVE OFF.

DAILY COSTS:

Completion Rig	\$ 1818	Chemicals	\$	Packers	\$
BOP Rental	\$ 125	Transportation	\$ 221	Wellhead Equip	\$ 1764
Fluid Oiler	\$ 257	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$ 40	Tubing	\$	Tractor / Separator	\$
Completion Fluid	\$	Rods	\$ 3657	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$ 67	Compressor	\$
Stimulation	\$	Downhole Pump	\$ 971	Super	\$
Cementing	\$	(TA, MA) (SN)	\$ 697	Miscellaneous	\$
Daily Total:	\$ 4617				
Cumulative Cost:	\$				

Operator's Signature: E. D. Strull

SEP-25-94 SUN 22:36

P. 05



**EQUITABLE ENERGY COMPANY**  
BALCRON OIL DIVISION

DAILY COMPLETION / WORKOVER REPORT

DATE: 9-23-94

Wellname Monument fld, 32-1 J Sec. 1 Twn. 9 S Rng. 16 E  
 Field Monument Batta County Duchesne State Utah  
 Total Depth 5800 PBD 5734 KB 10 Elev. Gt. 5397  
 T.G.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole: 4786-88, 4938-46, 5276-88  
 Present Operation: New Completion

Description of Operations:

1245 START WELL PUMPING  
4:05 PM  
74" STROKE

PUMPING UNIT (CM)  
S/N 507-54202  
SIZE 160-200-74

ENGINE (ATA)  
S/N 74311  
SIZE 74 X 6 EA-30

TANKS: BSB  
SIZE 12X20 400 BBL. VERT.  
S/N 233-T2  
S/N 1166-T2

Pumper: Joe Tru

DAILY COSTS:

Completion Rig	\$	Chemicals	\$	Packers	\$
BCP Rental	\$	Transportation	\$	Wellhead Equip.	\$
Hit Oiler	\$	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Centrifugal	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total	\$				
Cumulative Cost	\$				

Operations Supervisor: Dale Smith

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4172'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 148' balance plug using 17 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Perforate 4 JSPF @ 1588'
5. Plug #3 120' plug covering Uinta/Green River formation using 25 sx Class "G" cement pumped below CICR and out perforations. Follow using 7 sx Class "G" cement pumped on top of CICR
6. Perforate 4 JSPF @ 402'
7. Plug #4 Circulate 113 sx Class "G" cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

The approximate cost to plug and abandon this well is \$59,344.

# Monument Federal #32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

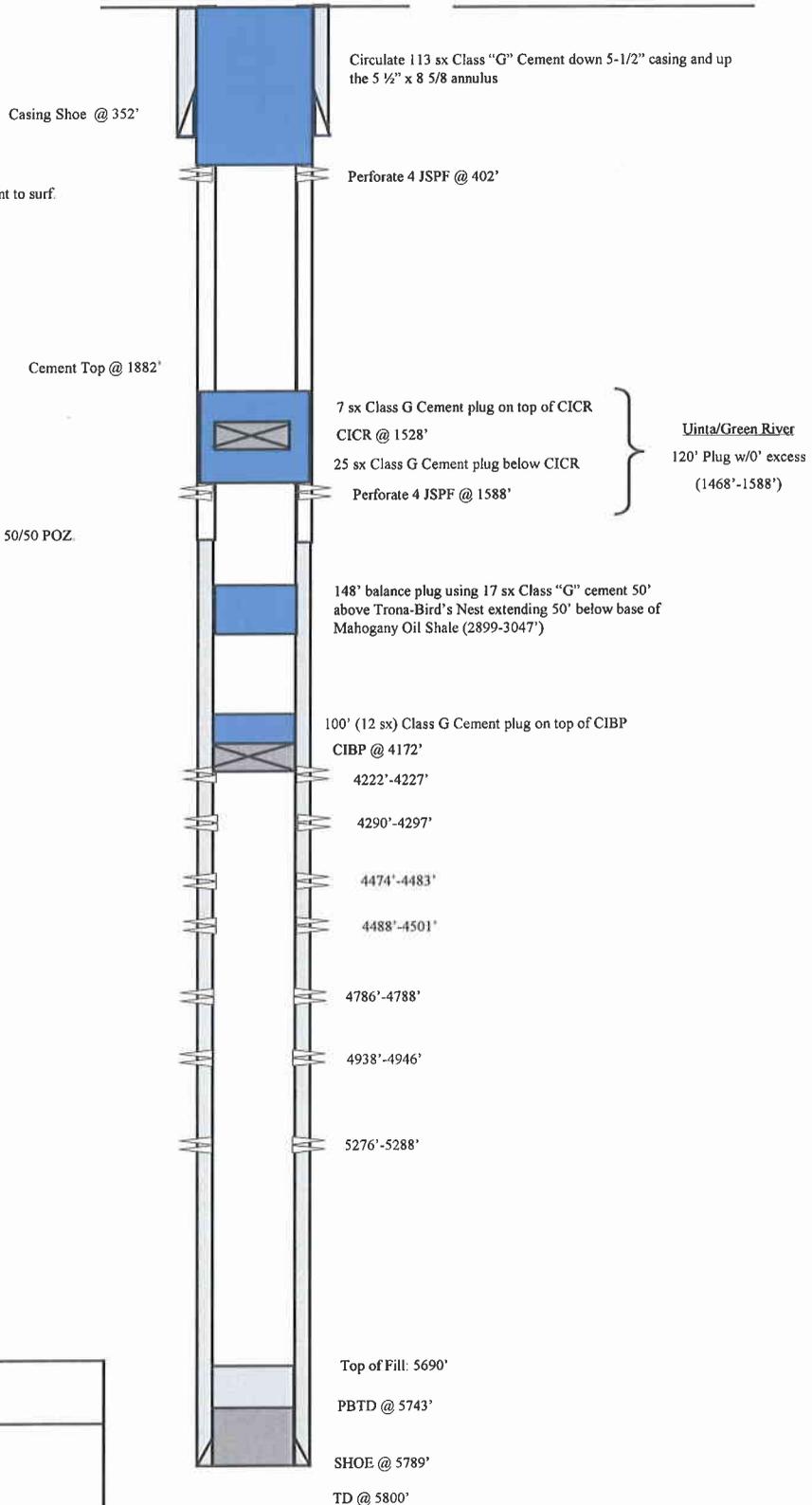
## Proposed P&A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (353.65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL



**NEWFIELD**

**Monument Federal #32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2143 FNL 1987 FEL  
SWNE Section 1 T9S R16E

5. Lease Serial No.  
USA UTU-33992

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.  
MONUMENT FED 32-1J

9. API Well No.  
4301331414

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

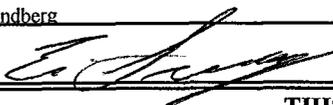
11. County or Parish, State  
DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Eric Sundberg	Title Regulatory Analyst
Signature 	Date 03/04/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 17, 2010

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 32-1J-9-16, Section 1, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31414

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

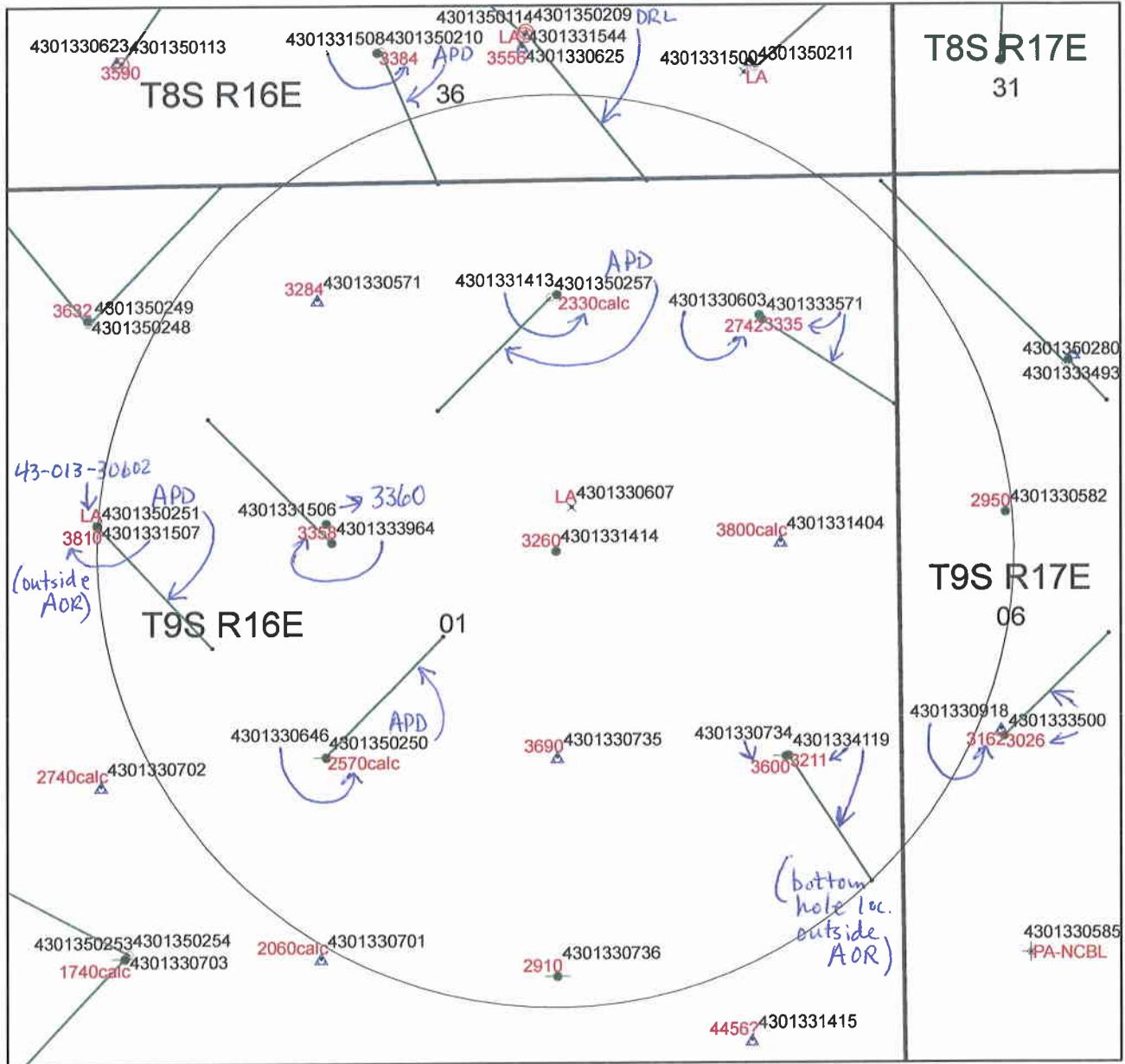
Gil Hunt  
Associate Director

GLH/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
SITLA  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





# MONUMENT FEDERAL 32-1J-9-16

## API #43-013-31414

### UIC-363.2

**Legend**

- |                                      |                                     |
|--------------------------------------|-------------------------------------|
| Buffer_of_Wells-CbitopsMaster5_11_10 | PRODUCING OIL                       |
| Wells-CbitopsMaster5_11_10           | SHUT-IN GAS                         |
| GAS INJECTION                        | SHUT-IN OIL                         |
| TW                                   | TEMP ABANDONED                      |
| TA                                   | TEST WELL                           |
| OPS                                  | WATER INJECTION                     |
| GS                                   | WATER SUPPLY                        |
| APD                                  | WATER DISPOSAL                      |
| PA                                   | DRILLING                            |
| LA                                   | RETURNED GAS                        |
| GAS STORAGE                          | RETURNED OIL                        |
| LOCATION ABANDONED                   | GAS INJECTION SI                    |
| NEW LOCATION                         | WATER DISP. SUSP.                   |
| PLUGGED & ABANDONED                  | WATER INJ. SUSP.                    |
| PRODUCING GAS                        | county-lines                        |
|                                      | Townships                           |
|                                      | Sections                            |
|                                      | SGID93 ENERGY.DNROI GasWells_HDPATH |



1870calc = approx cement top calculated from well completion report



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Federal 32-1J-9-16

**Location:** 1/9S/16E      **API:** 43-013-31414

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 352 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,789 feet. A cement bond log demonstrates adequate bond in this well up to 3,260 feet. A 2 7/8 inch tubing with a packer will be set at 4,172 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 8 producing wells, 3 shut-in wells, and 3 injection wells in the area of review (AOR). One of the producing wells is a recently drilled directional well with a surface location inside the AOR and a bottom hole location slightly outside the AOR. In addition, there is currently 1 well being drilled directionally from a surface location outside the AOR to a bottom hole location inside the AOR and 2 currently permitted surface locations outside the AOR from which wells will be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 300 feet. Injection shall be limited to the interval between 4,066 feet and 5,800 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 32-1J-9-16 well is 0.95 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,153 psig. The requested maximum pressure is 2,153 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Monument Federal 32-1J-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date 5/12/2010

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	3/31/2010

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000561251 /
SCHEDULE	
Start 03/30/2010	End 03/30/2010
CUST. REF. NO.	
20100325	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINI	
SIZE	
73 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
TOTAL COST	
250.28	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP SOUTH, RANGE 16 EAST, SECTIONS 1, 3, 11, 12 AND 20, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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Greater Monument Butte Unit:  
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Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 21, Township 8 South, Range 16 East  
Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9 South, Range 16 East  
Monument Butte Federal 32-1J-9-16 well located in SW/4 NE/4 Section 1, Township 9 South, Range 16 East  
South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw Federal 8-3-9-16 well located in SE/4 NE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 4-11-9-16 well located in NW/4 NW/4, Section 1, Township 9 South, Range 16 East  
Jonah Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Range 16 East  
Federal 1-23-9-16 well located in NE/4 NE/4, Section 2, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/Gil Hunt  
Associate Director  
561251

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 03/30/2010 End 03/30/2010

SIGNATURE *[Handwritten Signature]*

VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 381189  
My Commission Expires  
January 12, 2014

DATE 3/31/2010

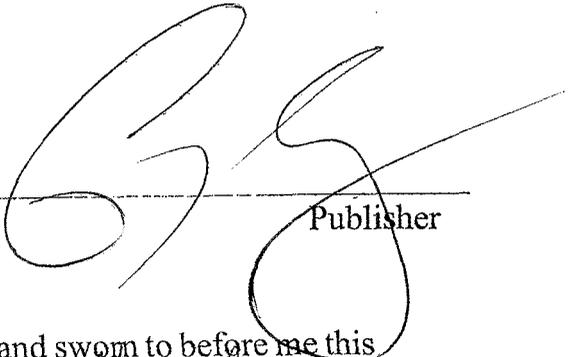
*Virginia Craft*

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

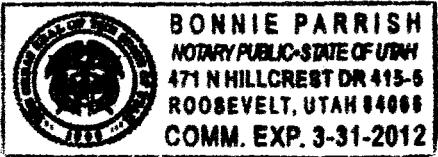
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 30 day of March, 20 10, and that the last publication of such notice was in the issue of such newspaper dated the 30 day of March, 20 10, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Publisher

Subscribed and sworn to before me this  
30 day of March, 20 10  
Bonnie Parrish

Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-363

BEFORE THE DIVISION OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 26, Township 8 South, Range 16 East

Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4,

Section 1, Township 9 South, Range 16 East

Monument Federal 32-11-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East

South Well Draw Federal 2-5-9-16 well located in NW/4 NE/4, Section 1, Township 9 South, Range

Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

*/s/*  
Gil Hunt  
Associate Director  
Published in the Uintah Basin Standard March 30, 2010

and sworn to before me this  
of March, 20 10  
Bonnie Parrish

Notary Public

**BONNIE PARRISH**  
NOTARY PUBLIC-STATE OF UTAH  
471 N HILLCREST DR 415-S  
ROOSEVELT, UTAH 84066  
COMM. EXP. 3-31-2012

Greater Monument  
Butte Unit:

Hawkeye 14-23-8-16  
well located in SE/4  
SW/4, Section 23, Town-  
ship 8 South, Range 16  
East

Monument Butte 4-  
26-8-16 well located in  
NW/4 NW/4, Section 26,  
Township 8 South, Range  
16 East Monument Butte  
Federal 10-26-8-16 well  
located in NW/4 SE/4,  
Section 26, Township 8  
South, Range 16 East

Monument Butte  
Federal 1-14-9-16 well  
located in SW/4 SW/4,  
Section 1, Township 9  
South, Range 16 East

Monument Federal  
32-11-9-16 well located  
in SW/4 NE/4, Section 1,  
Township 9 South, Range  
16 East

South Wells Draw Fed-  
Township 9 South, Range  
16 East

South Wells Draw Fed-  
eral 8-3-9-16 well located  
in SE/4 NE/4, Section 3,  
Township 9 South, Range  
16 East Jonah Federal 4-  
11-9-16 well located in  
NW/4 NW/4, Section 11,  
Township 9 South, Range  
16 East

Jonah Unit 4-12-9-16  
well located in NW/4  
NW/4, Section 12, Town-  
ship 9 South, Range 16  
East

Federal 1-23-9-16 well  
located in NE/4 NE/4,  
Section 23, Township 9  
South, Range 16 East

The proceeding will  
be conducted in accord-  
ance with Utah Admin.  
R649-10, Administrative  
Procedures.

Selected zones in the  
Green River Formation  
will be used for water  
injection. The maximum  
requested injection pres-  
sures and rates will be  
determined based on frac-  
ture gradient information  
submitted by Newfield  
Production Company.

Any person desiring to  
object to the application  
or otherwise intervene in  
the proceeding, must file a  
written protest or notice of  
intervention with the Di-  
vision within fifteen days  
following publication of  
this notice. The Division's  
Presiding Officer for the  
proceeding is Gil Hunt,  
Associate Director, at P.O.  
Box 145801, Salt Lake  
City, UT 84114-5801,  
phone number (801) 538-  
5340. If such a protest, or  
notice of intervention is  
received, a hearing will be  
scheduled in accordance  
with the aforementioned  
administrative procedural  
rules. Protestants and/or  
interveners should be  
prepared to demonstrate

Dated this 25th day of  
March, 2010.  
STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING  
/s/  
Gil Hunt  
Associate Director  
Published in the Uintah  
Basin Standard March 30,  
2010.

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
Gil Hunt  
Associate Director

**Newfield Production Company**

**HAWKEYE 14-23-8-16, MONUMENT BUTTE 4-26-8-16, MONUMENT BUTTE FEDERAL 10-26-8-16,  
MONUMENT BUTTE FEDERAL 1-14-9-16, MONUMENT FEDERAL 32-1J-9-16, SOUTH WELLS  
DRAW FEDERAL 2-3-9-16, SOUTH WELLS DRAW FEDERAL 8-3-9-16, JONAH FEDERAL 4-11-9-16,  
JONAH UNIT 4-12-9-16, FEDERAL 1-23-9-16.**

**Cause No. UIC-363**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

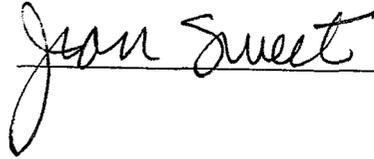
Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102-2818

  
\_\_\_\_\_

**From:** Bonnie <bonnie@ubstandard.com>  
**To:** <jsweet@utah.gov>  
**Date:** 3/26/2010 11:33 AM  
**Subject:** UIC 363

Jean,  
Notice of Agency Action UIC 363 will publish on March 30th.  
Thank you,

--

Bonnie Parrish  
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
(435) 722-5131  
(435) 722-4140 Fax  
bonnie@ubstandard.com



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 25, 2010

Via e-mail: [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-363

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**Order Confirmation for Ad #000561251-01**

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO: SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>Email</b>	dianeholland@utah.gov	Jean Sweet	jvaldez

<b>Total Amount</b>	<b>\$250.28</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$250.28</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	20100325	

**Confirmation Notes:**

**Text:**

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 73 Li	<NONE>

<b>Product</b>	<b>Placement</b>
Salt Lake Tribune::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b>	03/30/2010
<b>Product</b>	<b>Placement</b>
Deseret News::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b>	03/30/2010
<b>Product</b>	<b>Placement</b>
sltrib.com::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b>	03/30/2010
<b>Product</b>	<b>Placement</b>
utahlegals.com::	utahlegals.com
<b>Scheduled Date(s):</b>	03/30/2010

**Ad Content Proof Actual Size**

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION  
 CAUSE NO. UIC-363

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Dated this 25th day of March, 2010.

STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/Gil Hunt  
 Associate Director  
 561251

UPAXLP

**From:** "Valdez-Carruther, Justina" <jvaldez@mediaoneutah.com>  
**To:** <JSWEET@utah.gov>  
**Date:** 3/26/2010 12:05 PM  
**Subject:** 20100325  
**Attachments:** OrderConf.pdf

MAR 30



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 25, 2010

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-363

To whom it may concern:

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Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-33992	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  	<b>7.UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 32-1J
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013314140000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2143 FNL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S
<b>COUNTY:</b> DUCHESNE	<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/25/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 04/20/2012. On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 15, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/1/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 4/25/12 Time 9:00 am pm  
Test Conducted by: Riley Bagley  
Others Present: Brendan Curry

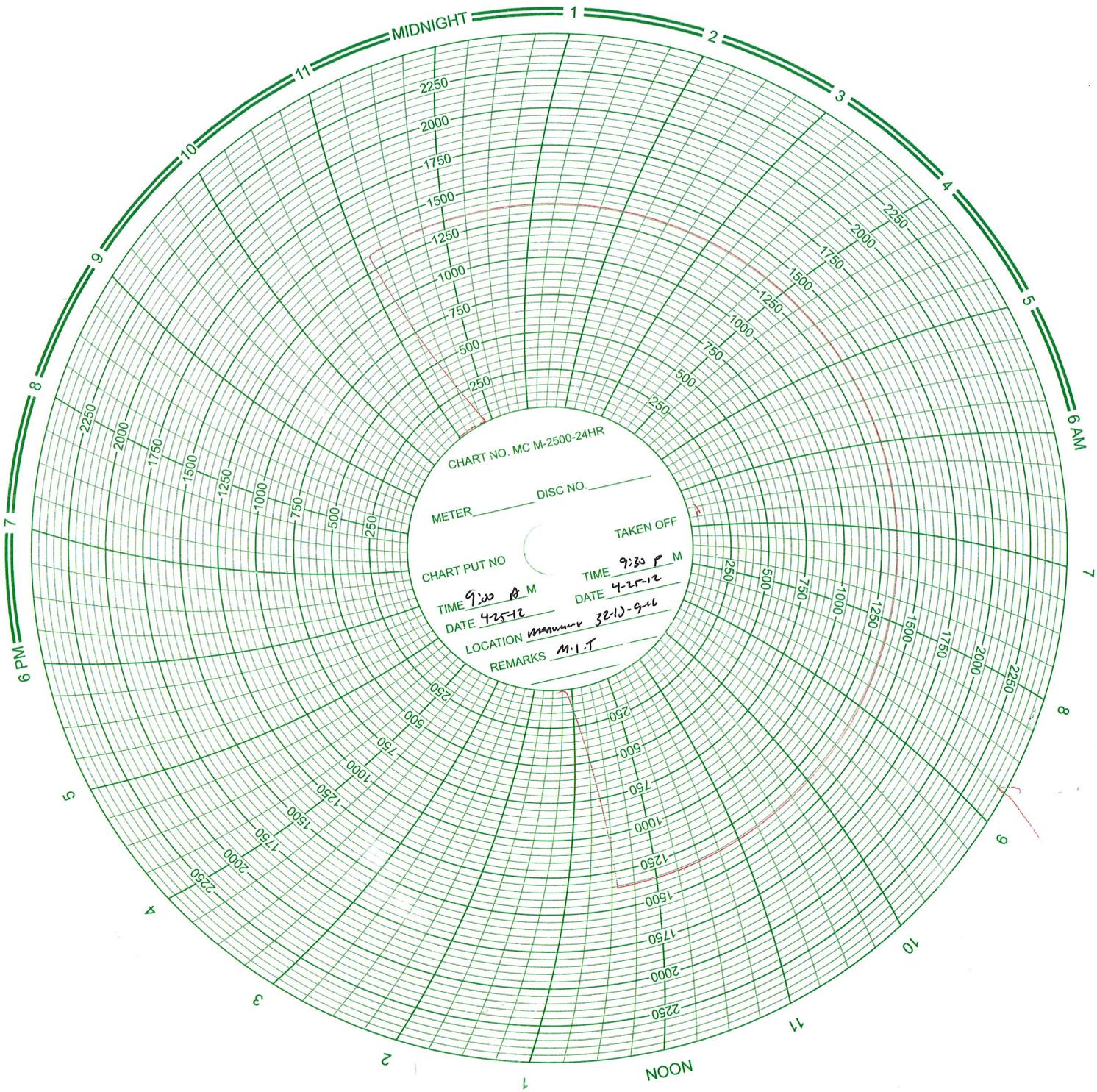
Well: <u>Monument</u> <u>32-1J-9-16</u>	Field: <u>Monument + Butte</u>
Well Location: <u>Monument</u> <u>32-1J-9-16</u>	API No: <u>430-13-31414</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u><del>1300</del> 1350</u>	psig
5	<u>1350</u>	psig
10	<u>1350</u>	psig
15	<u>1350</u>	psig
20	<u>1350</u>	psig
25	<u>1350</u>	psig
30 min	<u>1250</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result: Pass Fail

Signature of Witness: [Signature]  
Signature of Person Conducting Test: [Signature]



## Daily Activity Report

Format For Sundry

MON 32-1J-9-16

2/1/2012 To 6/30/2012

4/12/2012 Day: 1

Conversion

NC #2 on 4/12/2012 - MIRUSU, L/D Rods - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 11-20-9-16 To The Mon 32-1J-9-16, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Bleed Well Down, Unseat Rod Pmp, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, Reseat Rod Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1 1/2" x 22' Polished Rod, 1- 4', 1- 6' x 3/4" Pony Subs, 80- 3/4" Guided Rods, 54- 3/4" Plain Rods, 71- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$8,145

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4/13/2012 Day: 2

Conversion

NC #2 on 4/13/2012 - POOH W/- Tbg Breaking & Dopeing Every Collar - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 40 Bbls Wtr, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, Csg Started To Flow, R/U H/Oiler To Tbg, Flush Tbg W/- 40 Bbls Wtr, POOH W/- Tbg, Breaking & Doping Each Collar, TA Was Hanging Up On Suspected Scale On TOH, POOH W/- 133- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$14,802

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4/16/2012 Day: 3

Conversion

NC #2 on 4/16/2012 - Kill Well, Finish L/D Extra Tbg, TIH W/- Tbg & Pkr, Pressure Test Tbg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U

Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg & Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, Try To POOH W/- Tbg, Tbg Would Not Die, Pmp Another 20 Bbls Wtr, L/D 33- Jts Tbg, TA, 2- Jts Tbg, SN, 1- Jt Tbg, NC, P/U & TIH W/- Pkr, SN, 133- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop Stnd Vlve, Try To Pressure Up, Could Not Catch Pressure, R/U Sandline, RIH & Seat Stnd Vlve, POOH W/- Sandline, R/U H/Oiler To Tbg, Pressure Up To 3,000 Psi, Test For Approx. 30 Min, Pressure Dropped Psi In 30 Min, Bump Back Up To 3,000 Psi, Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$20,582

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**4/17/2012 Day: 4**

**Conversion**

NC #2 on 4/17/2012 - Finish Testing Tbg, R/D BOPS, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Re-Pmp Up Tbg To 3,000 Psi, Hold For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Injection Tree, Set Pkr, R/U Injection Tree, Fill Csg, Pressure Test Csg To 1,500 Psi, Try To Test Csg For Approx. 1 Hr, Pressure Kept Bleeding Down, Keep Bumping Back Up To 1,500 Psi, Pressure Kept Bleeding Down At Different Pressures, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$67,844

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**4/18/2012 Day: 5**

**Conversion**

NC #2 on 4/18/2012 - Try And Test Csg, No Test, POOH w/- Tbg, Replace Pkr, TIH W/- New Pkr - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completly, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr

Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completely, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure AHad Bled Off To 400 Psi, Bump Back Up To 1,500 Psi, Pressure Bled Off To 1,275 Psi, Bleed Off Pressure Completely, Let Air Out For A Approx. 30 Min, R/U H/Oiler To Csg, Pressure Back Up To 1,500 Psi, Pressure Dropped 150 Psi In 45 Min, Bleed Off Pressure, Open Tbg, Tbg Was Flowing, R/U H/Oiler To Tbg, Pmp 15 Bbls Wtr, As Soon As He Started Pmping, The Csg Started To Flow, Kill Tbg, R/D Injection Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 133- Jts Tbg, SN, Pkr, 1 Rubber On Pkr Was Completely Tour Up, P/U & TIH W/- New Pkr, SN, 100- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$74,741

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**4/19/2012 Day: 6**

**Conversion**

NC #2 on 4/19/2012 - Pressure Test Tbg, Fish Stnd Vlve, R/D BOPS, R/U Injection Tree, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr, TIH W/- 33- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr, Drop New Stnd Vlve, Try To Pressure Test Tbg, No Test, R/U Sandline, Seat Stnd Vlve, Pressure Up To 1,500 Psi, Pressure Completely Bled Off In 15 Min, Suspected Stnd Vlve Not Holding, R/U Sandline, Fish Stnd Vlve, R/D Sandline, After Clean Up Of Stnd Vlve, Found A Large Scratch On Stnd Vlve, Wait On Another H/Oiler, R/U H/Oiler To Tbg, Drop Another Stnd Vlve, Seat Vlve W/- H/Oiler, Fill & Test To 3,000 Psi For 1 Hr, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Injction Tree, Set Pkr, R/U Injection Tree, Fill & Test Csg To 1,500 Psi, Let Test Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$85,172

**4/20/2012 Day: 7**

**Conversion**

NC #2 on 4/20/2012 - Finish Pressure Testing Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Csg Pressure Increased 30 Psi Over Night, R/D NC #2, Well Ready For MIT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$86,365

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**4/30/2012 Day: 8**

**Conversion**

Rigless on 4/30/2012 - Conduct initial MIT - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/25/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$163,685

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-33992	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  	<b>7.UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 32-1J
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013314140000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2143 FNL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S
<b>COUNTY:</b> DUCHESNE	<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/18/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="Put on Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 12:15 PM on  
07/18/2012.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 July 25, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/23/2012	

# Monument Federal 32-1J-9-16

Spud Date: 8/24/1994  
 Put on Production: 9/23/1994  
 GL: 5397' KB: 5407'

Initial Production: 52 BOPD,  
 NM MCFD, 0 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (353 65')  
 DEPTH LANDED: 352.15'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" cmt, est 6 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts (5780.24')  
 DEPTH LANDED: 5789.24'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sxs Super "G" tailed by 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 1882' per CBL

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 133 jts (4162.1')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4172.1' KB  
 PACKER 1 jt / 5-1/2" (3 30') AT 4173.2'  
 TOTAL STRING LENGTH: EOT @ 4179.64'

**FRAC JOB**

9/10/94 5276'-5288' **Frac zone as follows:**  
 17,640# 20/40 sand + 20,540# 16/30 sand in 352 bbls gelled KCl fluid. Treated @ avg press of 2550 psi w/avg rate of 30.7 BPM. ISIP 2250 psi.

9/14/94 4786'-4946' **Frac zone as follows:**  
 26,800# 16/30 sand in 128 bbls gelled KCl fluid. Treated @ avg press of 3000 psi w/avg rate of 29.5 BPM. ISIP 2200 psi.

10/12/00 Tubing leak Update rod and tubing details

10/24/02 4474'-4501' **Frac PB zones as follows:**  
 61,000# 20/40 sand in 474 bbls 1-25 viking fluid. Treated @ avg press of 2200 psi w/avg rate of 26.5 BPM. ISIP 2400 psi. Calc flush: 4474 gal. Actual flush: 4410 gal.

10/24/02 4222'-4297' **Frac GB zones as follows:**  
 49,200# 20/40 sand in 399 bbls 1-25 viking fluid. Treated @ avg press of 2075 psi w/avg rate of 26.5 BPM. ISIP 2180 psi. Calc flush: 4222 gal. Actual flush: 4116 gal.

08/31/05 **Tbg leak**

12/07/05 **Pump Change** Detail Rod and tubing update

03/23/07 **Tubing Leak.** Updated Rod & Tubing Details

12/3/08 **Tubing Leak** Updated rod & tubing Details

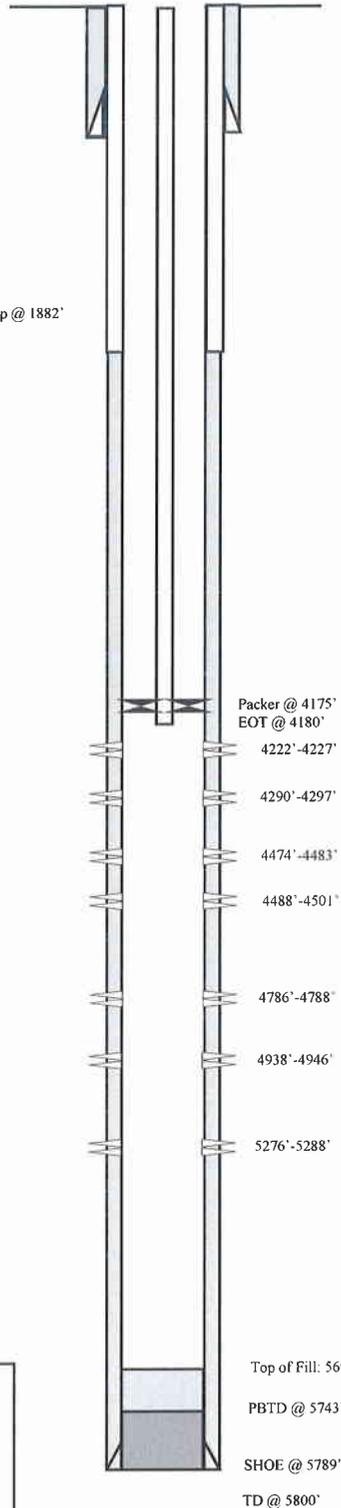
5/10/2010 **Parted Rods.** Update rod and tubing details

04/20/12 **Convert to Injection Well**

04/25/12 **Conversion MIT Finalized** - update the detail

Cement Top @ 1882'

Packer @ 4175'  
 EOT @ 4180'



**PERFORATION RECORD**

Date	Depth Range	Perforation Type	Number of Holes
9/09/94	5276'-5288'	4 JSPF	48 holes
9/13/94	4938'-4946'	4 JSPF	10 holes
9/13/94	4786'-4788'	4 JSPF	3 holes
10/24/02	4488'-4501'	4 JSPF	52 holes
10/24/02	4474'-4483'	4 JSPF	36 holes
10/24/02	4290'-4297'	4 JSPF	28 holes
10/24/02	4222'-4227'	4 JSPF	20 holes

Note: It was discovered on 2/6/03 that the GB-6 zone from 4314-23 was not opened during the last recompletion procedure.

**NEWFIELD**



**Monument Federal 32-1J-9-16**  
 2143' FNL & 1987' FEL  
 SWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31414; Lease #UTU-33992



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

### Cause No. UIC-363

**Operator:** Newfield Production Company  
**Well:** Monument Federal 32-1J-9-16  
**Location:** Section 1, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31414  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 17, 2010.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,066' – 5,800')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: \_\_\_\_\_

  
John Rogers  
Associate Director

7-11-12  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
SITLA  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33992
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: MONUMENT FED 32-1J
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2143 FNL 1987 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013314140000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
9. API NUMBER: 43013314140000	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/17/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="workover / Concentric String"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (water isolation/concentric string injection), attached is a daily status report. On 11/14/2014 Richard Powell with the State of Utah was contacted concerning the MIT on the above listed well. On 11/17/2014 the csg was pressured up to 1585 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure for the 1.6 tbg was 1300 psig and the tbg pressure for the 2-7/8" was 1250 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: ~~November 25, 2014~~

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/20/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date: 11/17/2014 Time: 9:00 A.M.

Test Conducted by: Everett Unruh

Others Present: \_\_\_\_\_

Well: Monument Fed. 32-1J-9-16	Field: Monument Butte
Well Location: SWNE Sec 1 T9S R16E Duchesne County, UT	API No: 43-013-31414

Time	Casing Pressure
0 min	<u>1585</u> psig
5	<u>1585</u> psig
10	<u>1585</u> psig
15	<u>1585</u> psig
20	<u>1585</u> psig
25	<u>1585</u> psig
30 min	<u>1585</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing Pressure: 1250 D-1300 psig

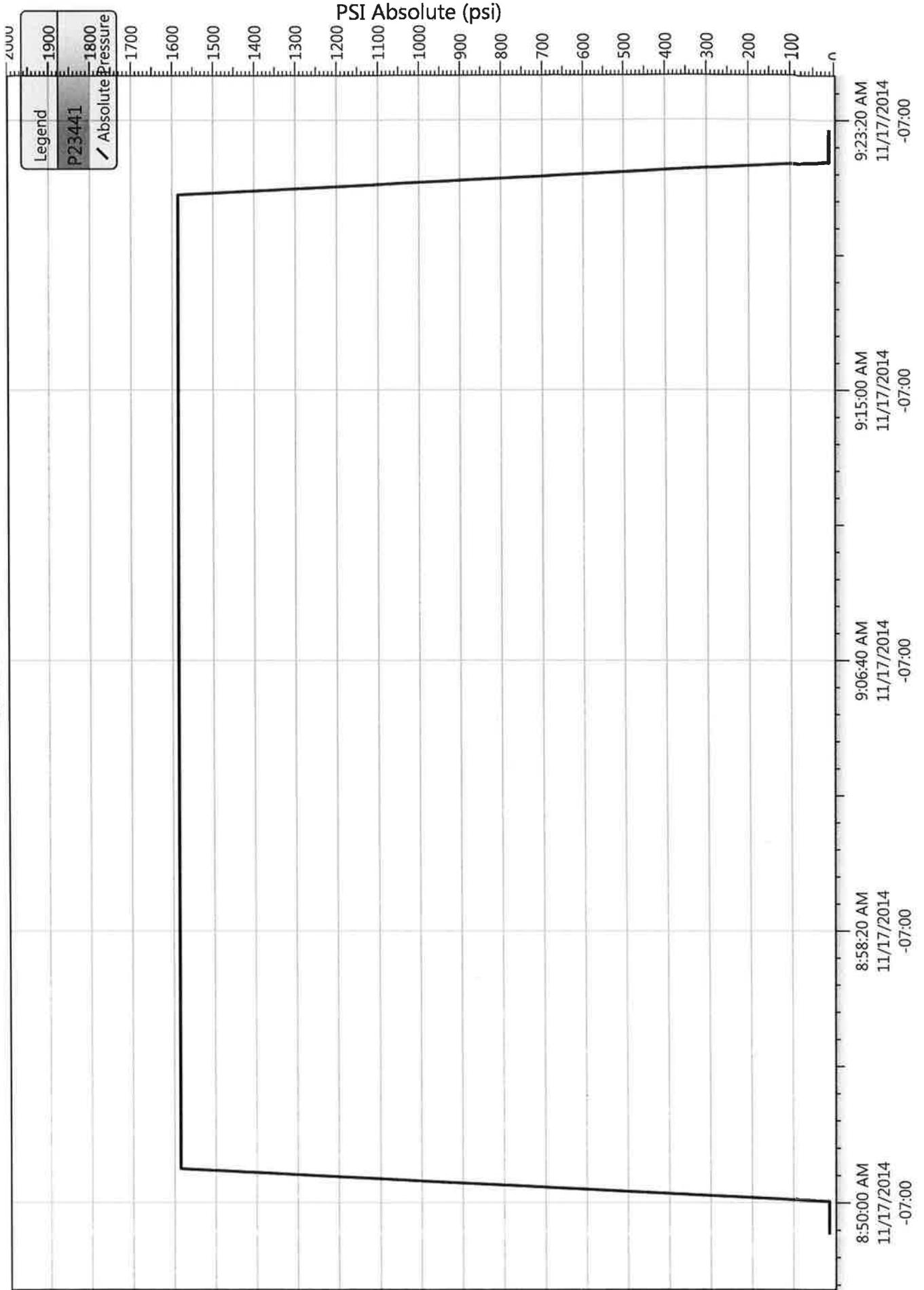
Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh

Monument Fed. 32-1J-9-16 (11/17/2014 workover MIT)

11/17/2014 8:47:49 AM





Well Name: Mon 32-1J-9-16

### Job Detail Summary Report

Primary Job Type	Job Start Date	Job End Date
Reconfigure Tubing / Components	11/7/2014	11/17/2014

Daily Operations	
Report Start Date	Report End Date
11/7/2014	11/7/2014
24hr Activity Summary	
Load out and move from 32-22 to 32-1J	
Start Time	End Time
12:30	15:00
Start Time	End Time
15:00	17:00
Start Time	End Time
17:00	18:00
Comment	
Load out & move from MON FED 32-22 To MON FED 32-1J. MIRU Same, Bleed off well	
Start Time	End Time
15:00	17:00
Start Time	End Time
17:00	18:00
Comment	
ND Wellhead, Strip on 5K BOPS, RU Floor & TBG Works, REL 5 1/2" Arrowset-1 pkr, CWI @ 5:00	
Start Time	End Time
17:00	18:00
Comment	
Crew Travel	
Report Start Date	Report End Date
11/10/2014	11/10/2014
24hr Activity Summary	
TOOH W/ PKR, TIH W/ Bit & Scraper pump acid	
Start Time	End Time
06:00	07:00
Start Time	End Time
07:00	08:00
Start Time	End Time
08:00	09:15
Start Time	End Time
09:15	13:30
Start Time	End Time
13:30	16:15
Start Time	End Time
16:15	17:30
Start Time	End Time
17:30	18:30
Comment	
Crew Travel & Safety mtg	
Start Time	End Time
07:00	08:00
Start Time	End Time
08:00	09:15
Start Time	End Time
09:15	13:30
Start Time	End Time
13:30	16:15
Start Time	End Time
16:15	17:30
Start Time	End Time
17:30	18:30
Comment	
Crew Travel & Safety mtg	
Start Time	End Time
07:00	09:00
Start Time	End Time
09:00	10:15
Start Time	End Time
10:15	12:00
Start Time	End Time
12:00	17:00
Start Time	End Time
17:00	18:00
Start Time	End Time
18:00	07:00
Comment	
Crew Travel	
Report Start Date	Report End Date
11/12/2014	11/12/2014
24hr Activity Summary	
CK PRESS, RET SV, PU 1.66 TBG	
Start Time	End Time
06:00	07:00
Start Time	End Time
07:00	08:00
Start Time	End Time
08:00	09:00
Start Time	End Time
09:00	10:15
Start Time	End Time
10:15	12:00
Start Time	End Time
12:00	17:00
Start Time	End Time
17:00	18:00
Start Time	End Time
18:00	07:00
Comment	
Crew Travel & Safety mtg	



Well Name: Mon 32-1J-9-16

Job Detail Summary Report

Start Time	07:00	End Time	10:00	Comment
				CK PRESS On TBG 2450, Bump up to 3000 PSI for 30 MIN-Good test, RET SV, POOH & Rack out sandline RU Floor & TBG Works
Start Time	10:00	End Time	11:00	Comment
				PU 1 JT 1.66 TBG, Make up stinger, JT of TBG Fell through elevators
Start Time	11:00	End Time	12:00	Comment
				Wait on different set of elevators
Start Time	12:00	End Time	17:00	Comment
				PU & Talley stinger, 1.90 X 1.66 X-Over & 148 JTS 1.6 TBG, Tag PBR @ 4737', LD 2 JTS Space out W/ 1-6' 1.6 TBG SUB, PU 1 JT 1.6 TBG, Land TBG W/ Hanger W/ 4K Compression, RD Floor & TBG Works, NU Wellhead, CWI
Start Time	17:00	End Time	18:00	Comment
				Crew Travel
Report Start Date	11/13/2014	Report End Date	11/13/2014	24hr Activity Summary
				Do MIT & Move to G-24-9-16
Start Time	06:00	End Time	07:00	Comment
				Crew Travel & Safety MTG
Start Time	07:00	End Time	08:00	Comment
				Wait on MIT
Start Time	08:00	End Time	14:00	Comment
				Do MIT Test-Good test,
Start Time	14:00	End Time	15:00	Comment
				RDMO
Start Time	15:00	End Time	16:00	Comment
				Crew Travel
Report Start Date	11/17/2014	Report End Date	11/17/2014	24hr Activity Summary
				Conduct MIT
Start Time	08:50	End Time	09:20	Comment
				On 11/14/2014 Richard Powell with the State of Utah was contacted concerning the MIT on the above listed well. On 11/17/2014 the csg was pressured up to 1585 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure for the 1.6 tbg was 1300 psig and the tbg pressure for the 2-7/8" was 1250 psig during the test. There was not a State representative available to witness the test.

**Well Name: Mon 32-1J-9-16**

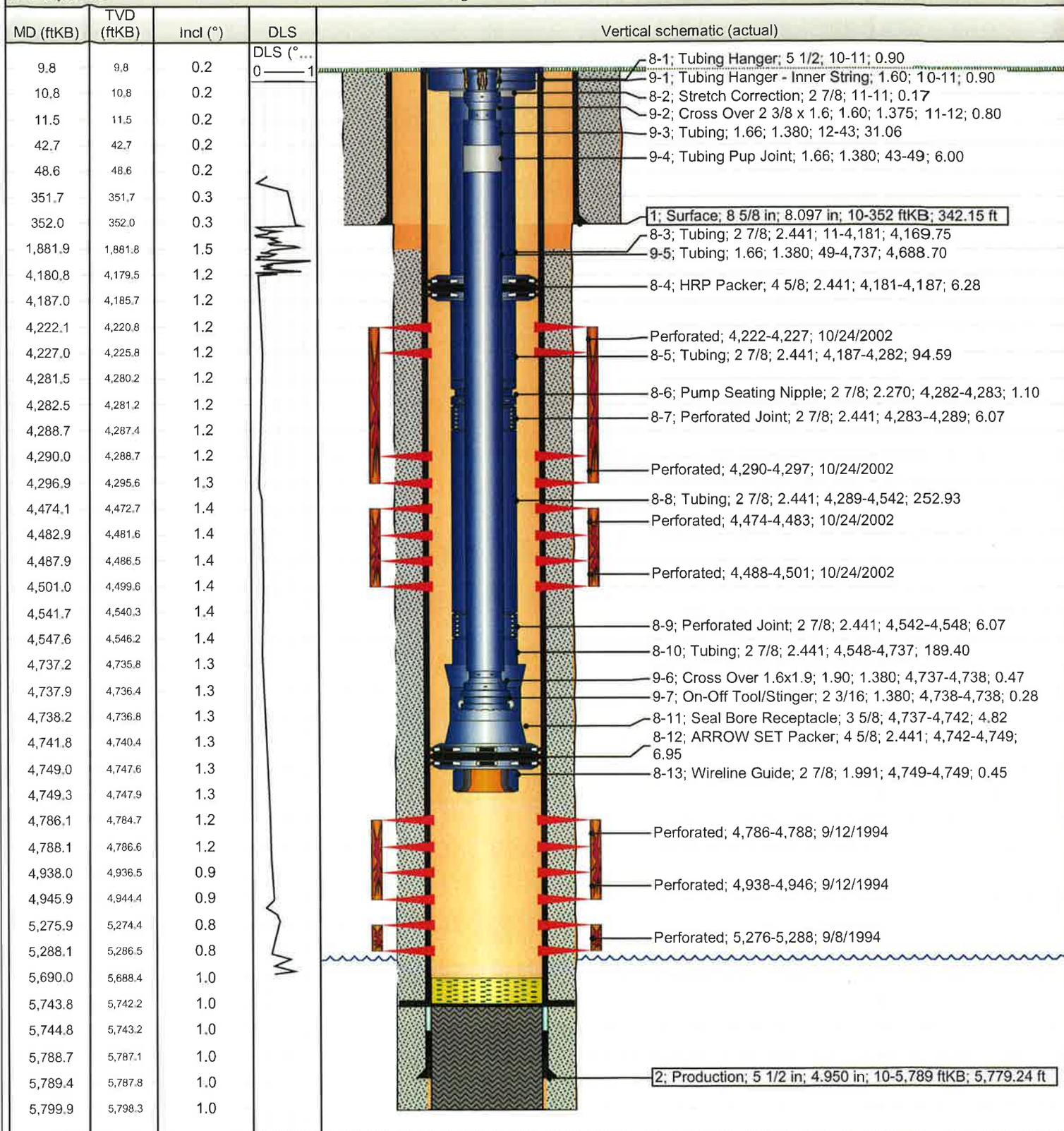
Surface Legal Location 01-9S-16E		API/UWI 43013314140000	Well RC 500150901	Lease	State/Province Utah	Field Name GMBU CT B5	County DUCHESNE
Spud Date 8/24/1994	Rig Release Date 9/2/1994	On Production Date 9/23/1994	Original KB Elevation (ft) 5,408	Ground Elevation (ft) 5,398	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,743.8	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type	Secondary Job Type N/A	Job Start Date 11/7/2014	Job End Date 11/17/2014
---------------------------------------	------------------	---------------------------	-----------------------------	----------------------------

**TD: 5,800.0**

Vertical - Original Hole, 11/18/2014 9:41:25 AM



**NEWFIELD**

## Newfield Wellbore Diagram Data

### Mon 32-1J-9-16



Surface Legal Location 01-9S-16E		API/UWI 43013314140000		Lease	
County DUCHESENE		State/Province Utah		Basin Uintah Basin	
Well Start Date 8/24/1994		Spud Date 8/24/1994		Final Rig Release Date 9/2/1994	
Original KB Elevation (ft) 5,408		Ground Elevation (ft) 5,398		Total Depth (ftKB) 5,800.0	
				Total Depth All (TVD) (ftKB) Original Hole - 5,743.8	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8/25/1994	8 5/8	8.097	24.00	J-55	352
Production	9/1/1994	5 1/2	4.950	15.50	J-55	5,789

**Cement****String: Surface, 352ftKB 8/25/1994**

Cementing Company	Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 352.2	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 2% CCL & 1/4#/sx Celloflake	Fluid Type Lead	Amount (sacks) 220	Class G	Estimated Top (ftKB) 10.0

**String: Production, 5,789ftKB 9/2/1994**

Cementing Company	Top Depth (ftKB) 1,882.0	Bottom Depth (ftKB) 5,800.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Super G w/ 2% gel, 2#/sx Hi-Seal, & 1/4#/sx Celloflake	Fluid Type Lead	Amount (sacks) 261	Class G	Estimated Top (ftKB) 1,882.0
Fluid Description w/ 2% gel & 1/4#/sx Celloflake & 2#/sx Hi-Seal2	Fluid Type Tail	Amount (sacks) 290	Class 50/50 Poz	Estimated Top (ftKB) 3,800.0

**Tubing Strings**

Tubing Description					Run Date	Set Depth (ftKB)			
Tubing					11/10/2014	4,749.3			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Tubing Hanger	1	5 1/2				0.90	9.8	10.7	
Stretch Correction	1	2 7/8				0.17	10.7	10.9	
Tubing	133	2 7/8	2.441	6.50	J-55	4,169.75	10.9	4,180.7	
HRP Packer	1	4 5/8	2.441		J-55	6.28	4,180.7	4,186.9	
Tubing	3	2 7/8	2.441	6.50	J-55	94.59	4,186.9	4,281.5	
Pump Seating Nipple	1	2 7/8	2.270			1.10	4,281.5	4,282.6	
Perforated Joint	1	2 7/8	2.441		J-55	6.07	4,282.6	4,288.7	
Tubing	8	2 7/8	2.441	6.50	J-55	252.93	4,288.7	4,541.6	
Perforated Joint	1	2 7/8	2.441		J-55	6.07	4,541.6	4,547.7	
Tubing	6	2 7/8	2.441	6.50	J-55	189.40	4,547.7	4,737.1	
Seal Bore Receptacle	1	3 5/8				4.82	4,737.1	4,741.9	
ARROW SET Packer	1	4 5/8	2.441			6.95	4,741.9	4,748.9	
Wireline Guide	1	2 7/8	1.991			0.45	4,748.9	4,749.3	

Tubing Description					Run Date	Set Depth (ftKB)			
Tubing					11/12/2014	4,738.1			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Tubing Hanger - Inner String	1	1.6				0.90	9.9	10.8	
Cross Over 2 3/8 x 1.6	1	1.6	1.375			0.80	10.8	11.6	
Tubing	1	1.66	1.380	2.30	J-55	31.06	11.6	42.6	
Tubing Pup Joint	1	1.66	1.380			6.00	42.6	48.6	
Tubing	146	1.66	1.380	2.30	J-55	4,688.70	48.6	4,737.3	
Cross Over 1.6x1.9	1	1.9	1.380			0.47	4,737.3	4,737.8	
On-Off Tool/Stinger	1	2 3/16	1.380			0.28	4,737.8	4,738.1	

**Rod Strings**

Rod Description					Run Date	Set Depth (ftKB)			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	

**Other In Hole**

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,690	5,744	12/3/2008	

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
4	GB4 sds, Original Hole	4,222	4,227	4			10/24/2002
4	GB6 sds, Original Hole	4,290	4,297	4			10/24/2002
3	PB10 sds, Original Hole	4,474	4,483	4			10/24/2002

# NEWFIELD



## Newfield Wellbore Diagram Data Mon 32-1J-9-16

Perforation Intervals							
Stage#	Zone	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Norm Hole Dia (in)	Date
3	PB10 sds, Original Hole	4,488	4,501	4			10/24/2002
2	D1 sds, Original Hole	4,786	4,788				9/12/1994
2	C sds, Original Hole	4,938	4,946				9/12/1994
1	LODC, Original Hole	5,276	5,288	4			9/8/1994

Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,250		31.2	2,870			
2	2,200		30.4	3,300			
3	2,400	0.97	27.1	3,040			
4	2,180	0.94	26.7	2,662			

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Mesh Sand 38180 lb
2		Proppant Sand 26800 lb
3		Proppant Sand 61000 lb
4		Proppant Sand 49200 lb

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-33992	

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 32-1J-9-16D	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013314140000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2143 FNL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 01 Township: 09.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/25/2014			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 11/25/2014 Newfield Production Company is changing the name of the Monument Federal 32-1J-9-16 to the Monument Federal 32-1J-9-16D after UDOGM approved concentric string workover.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 05, 2016

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/5/2016	