



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

June 13, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

RE: Balcron Monument Federal #31-25  
NW NE Section 25, T8S, R17E  
Uintah County, Utah

Enclosed is our Application for Permit to Drill the referenced well.

As operator, we hereby request that the status of this well be held tight for the maximum period allowed by Federal and State regulations.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining

JUN 14 1994

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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 Division

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  
 NW NE Section 25, T8S, R17E 660' FNL, 1980' FEL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 10 miles southeast of Myton, Utah

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  
 6,300'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GL 5020.3'

22. APPROX. DATE WORK WILL START\*  
 8/1/94

5. LEASE DESIGNATION AND SERIAL NO.  
 U-67845

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 n/a

7. UNIT AGREEMENT NAME  
 n/a

8. FARM OR LEASE NAME  
 Balcron Monument Federal

9. WELL NO.  
 # 31-25

10. FIELD AND POOL, OR WILDCAT  
 Undesignated/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 25 T8S, R17E

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached				

JUN 14 1994

See attached for listing of exhibits.

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: Regulatory and Environmental Specialist DATE: June 13, 1994

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: 9/13/94

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ BY: W. Matthews

WELL SPACING: R649-3-2

\*See Instructions On Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

Lease Designation and Serial No.

Federal #U-67845

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work  
DRILL  DEEPEN  PLUG BACK

2. Type of Well  
Oil Well  Gas Well  Other   
Single Zone  Multiple Zone

Name of Operator  
Equitable Resources Energy Company, Balcron Oil Division

Address of Operator  
P.O. Box 21017; Billings, MT 59104

Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface NW NE Sec. 25, T8S, R17E 660' FNL, 1980' FEL  
At proposed prod. zone

1. Distance in miles and direction from nearest town or post office\*  
Approximately 10 miles southeast of Myton, Utah

3. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
18. No. of acres in lease  
20. Rotary or cable tools

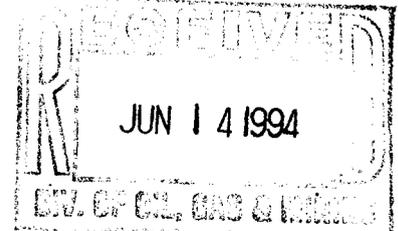
3. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
19. Proposed depth 6,300'  
20. Rotary

1. Elevations (Show whether DF, ET, GR, etc.)  
GL 5020.3'  
22. Approx. date work will start\* 8/1/94

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 this well in accordance with the attached Federal Application for Permit to Drill.



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 reventer program, if any.

I hereby certify that this report is true and complete to the best of my knowledge.  
Signature: Bobbie Schuman Title: Regulatory and Environmental Specialist Date: June 13, 1994

APPROVED BY THE STATE

OF UTAH DIVISION OF OIL, GAS AND MINING

DATE: 9/13/94  
BY: [Signature]  
WELL SPACING: R649-3-2

API NO. 43-047-32530 Approval Date \_\_\_\_\_

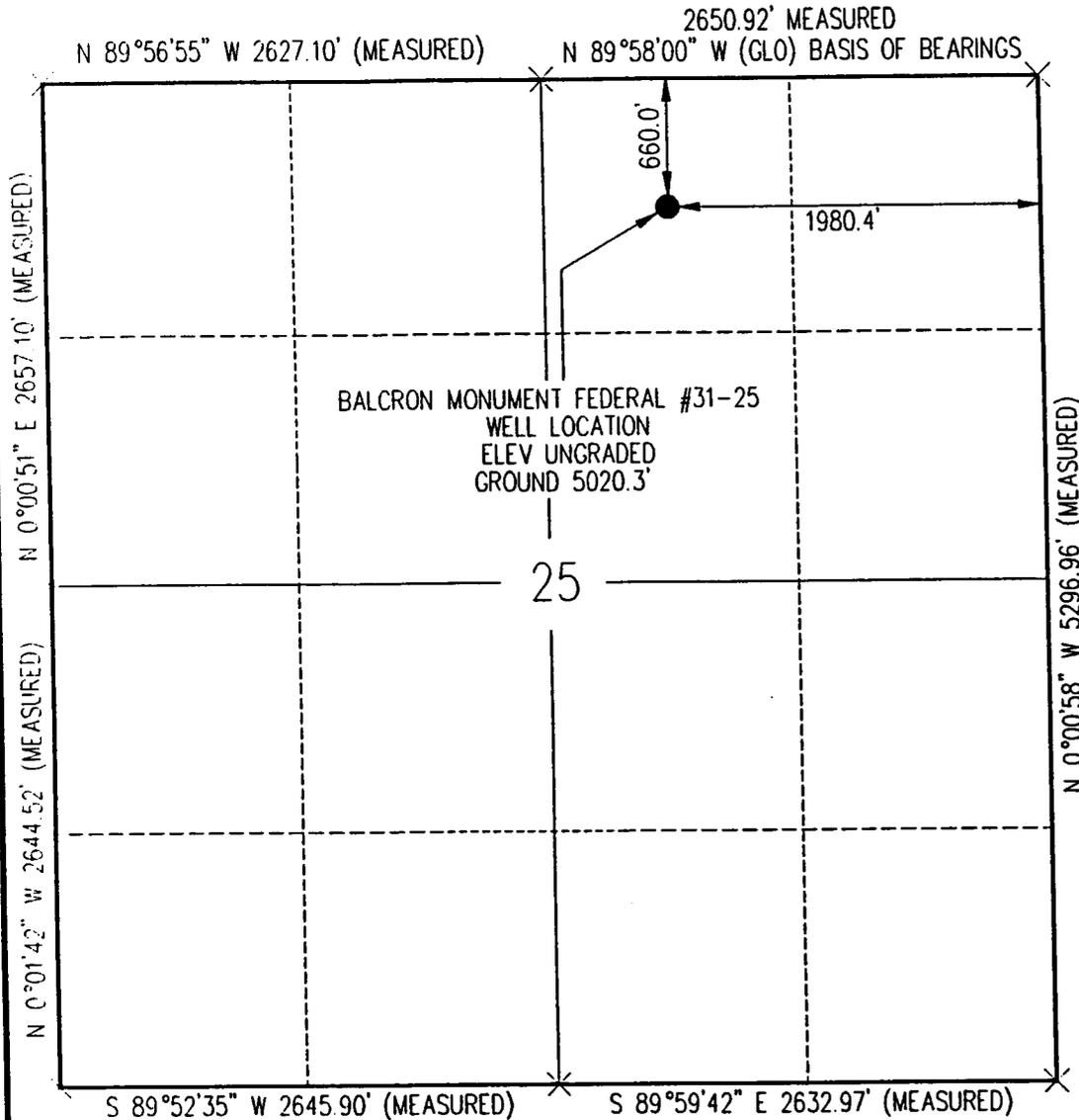
Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any:

T8S, R17E, S.L.B. & M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #31-25, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 25, T8S, R17E, S.L.B. & M, UTAH COUNTY, UTAH.

EXHIBIT "K"



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.

*Stacy W. Stewart*  
 REGISTERED LAND SURVEYOR  
 No. 189377  
 STACY W. STEWART  
 STATE OF UTAH

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

WEATHER: SUNNY & HOT
DATE: 5/26/94
SCALE: 1" = 1000'
SURVEYED BY: SS CB
FILE: MF#31-25



EXHIBITS FOR MONUMENT BUTTE AREA WELLS:

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

6/7/94

# **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 #31-25  
NW NE Section 25, T8S, R17E  
Uintah 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: 1.00, 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 attachment:

Drilling Program/Casing Design (EXHIBIT "D")

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 as possible after the BLM approves this APD.
- 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 #31-25  
NW NE SECTION 25, T8S, R17E  
UINTAH 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. 200' & 250' West and 175' & 200' North.
- B. The Monument Federal #31-25 is located 10 miles Southeast of Myton Utah in the NW1/4 NE1/4 Section 25, T8S, R17E, SLB&M, Uintah County, Utah. To reach the 31-25, 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 7.0 miles to a road intersection, turn right and continue 5.9 miles to proposed access road sign. Follow flags 400 feet to proposed 21-25 location. Continue following flags 1800 feet 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"**

Approximately 1800 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 - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- 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 - all construction materials will be native material taken from onsite.
- 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. If 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 is included in this APD.
- 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 12 mil plastic reinforced liner, this liner will be installed over sufficient bedding material ( 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.

- 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 Onshore Order #7, 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 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 on the North side of location. The flare pit will be located downwind of the prevailing wind direction on the North near corner #6. Access will be from the South near corner #8.
- 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 completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.
- D. A diagram showing the proposed production facility layout is included in this APD.
- E. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- F. 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 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.

- G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion 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 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 disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, 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 15 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 B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 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:

- (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.

#### **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 13 miles Southwest 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.
  5. A silt catchment dam will be constructed East of location where flagged.

**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, Home (303)824-3323

**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 Balcron Oil, a division of Equitable Resources Energy Company, 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.

June 13, 1994

Date

Bobbie Schuman

Bobbie Schuman  
Coordinator of Environmental  
and Regulatory Affairs  
BALCRON OIL division of  
Equitable Resources Energy Co.

# Balcron Oil Well Prognosis

EXHIBIT "C"

<b>Well Name</b> <u>BALCRON MONUMENT FEDERAL #31-25</u>	<b>Exploratory</b> _____	<b>Control Well</b> <u>BMF #11-25</u>
<b>Location</b> <u>NWNE SEC 25-T8S-R17E (660' FNL, 1980' FEL)</u>	<b>Development</b> <u>X</u>	<b>Operator</b> <u>BALCRON</u>
<b>County</b> <u>UINTAH</u>	<b>Field</b> _____	<b>KB</b> <u>5059</u>
<b>State</b> <u>UTAH</u>	<b>Section</b> <u>NWNE 25</u>	<b>Section</b> <u>NWNW 25</u>
<b>Total Depth</b> <u>6300</u>	<b>Township</b> <u>8S</u>	<b>Township</b> <u>8S</u>
<b>GL (Ung)</b> <u>5020.3'</u> <b>EST. KB</b> <u>5029</u>	<b>Range</b> <u>17E</u>	<b>Range</b> <u>17E</u>

Formation Tops	Prognosis		Sample Top		Control Well Datum	High/Low		Deviation
	Depth	Datum	Depth	Datum		Prog	Cntl	
UINTA	<u>SURFACE</u>							
GREEN RIVER	<u>1821</u>	<u>3208</u>			<u>3247</u>			
HORSEBENCH SS	<u>2745</u>	<u>2284</u>			<u>2323</u>			
2ND GARDEN GULCH	<u>4305</u>	<u>724</u>			<u>763</u>			
Y-2 SAND (PAY)	<u>4586</u>	<u>443</u>			<u>NP</u>			
Y-4 SAND (PAY)	<u>4756</u>	<u>273</u>			<u>312</u>			
YELLOW MARKER	<u>4910</u>	<u>119</u>			<u>158</u>			
DOUGLAS CREEK	<u>5079</u>	<u>-50</u>			<u>-11</u>			
R-5 SAND (PAY)	<u>5296</u>	<u>-267</u>			<u>-228</u>			
2ND DOUGLAS CREEK	<u>5341</u>	<u>-312</u>			<u>-273</u>			
GREEN MARKER	<u>5499</u>	<u>-470</u>			<u>-431</u>			
G-5 SAND (PAY)	<u>5657</u>	<u>-628</u>			<u>-589</u>			
BLACK SHALE FACIES	<u>5721</u>	<u>-692</u>			<u>-653</u>			
CARBONATE MARKER	<u>5943</u>	<u>-914</u>			<u>-875</u>			
B-1 SAND (PAY)	<u>5987</u>	<u>-958</u>			<u>-919</u>			
TD	<u>6300</u>							

**Samples**  
50' FROM 1700' TO 4400'  
10' FROM 4400' 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 2800' TO TD

**Cores**  
 Core #1 NONE  
 Core #2 \_\_\_\_\_  
 Core #3 \_\_\_\_\_  
 Core #4 \_\_\_\_\_

**Mud Logger/Hot Wire**  
 Company: \_\_\_\_\_  
 Required: (Yes/No) YES  
 Type: TWO MAN  
 Logger: \_\_\_\_\_  
 Phone # \_\_\_\_\_  
 Fax # \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Report To:** 1st Name: DAVE BICKERSTAFF Phone # (406)259-7860 wk. 245-2261 hm. \_\_\_\_\_  
 2nd Name: KEVEN REINSCHMIDT Phone # " wk. 248-7026 hm. \_\_\_\_\_  
**Prepared By:** K.K. REINSCHMIDT 5/12/94 Phone # \_\_\_\_\_ wk. \_\_\_\_\_ hm. \_\_\_\_\_



BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed. #31-25
Project ID:	Location: Uintah County, Utah

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2520 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	6,300	5-1/2"	15.50	K-55	ST&C	6,300	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	3150	4040	1.283	3150	4810	1.53	97.65	222	2.27 J

Prepared by : McCoskery, Billings, MT  
 Date : 06-10-1994  
 Remarks :

Minimum segment length for the 6,300 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and  
 3,150 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guide-  
 line, 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)

EXHIBIT E

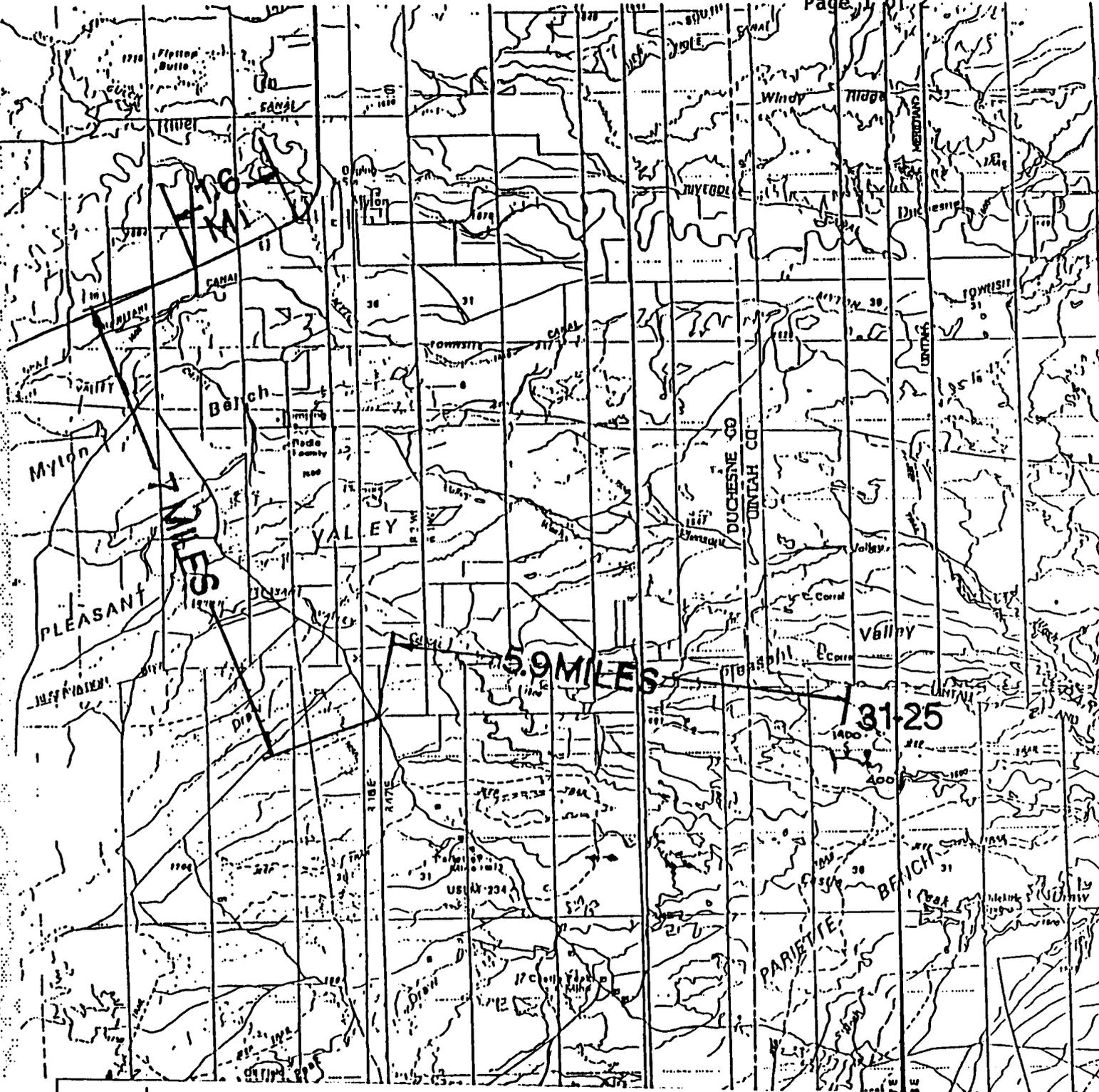
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- 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  
Revised 12/7/93  
/rs



EQUITABLE RESOURCES ENERGY CO.  
MONUMENT FEDERAL #31-25  
MAP "A"



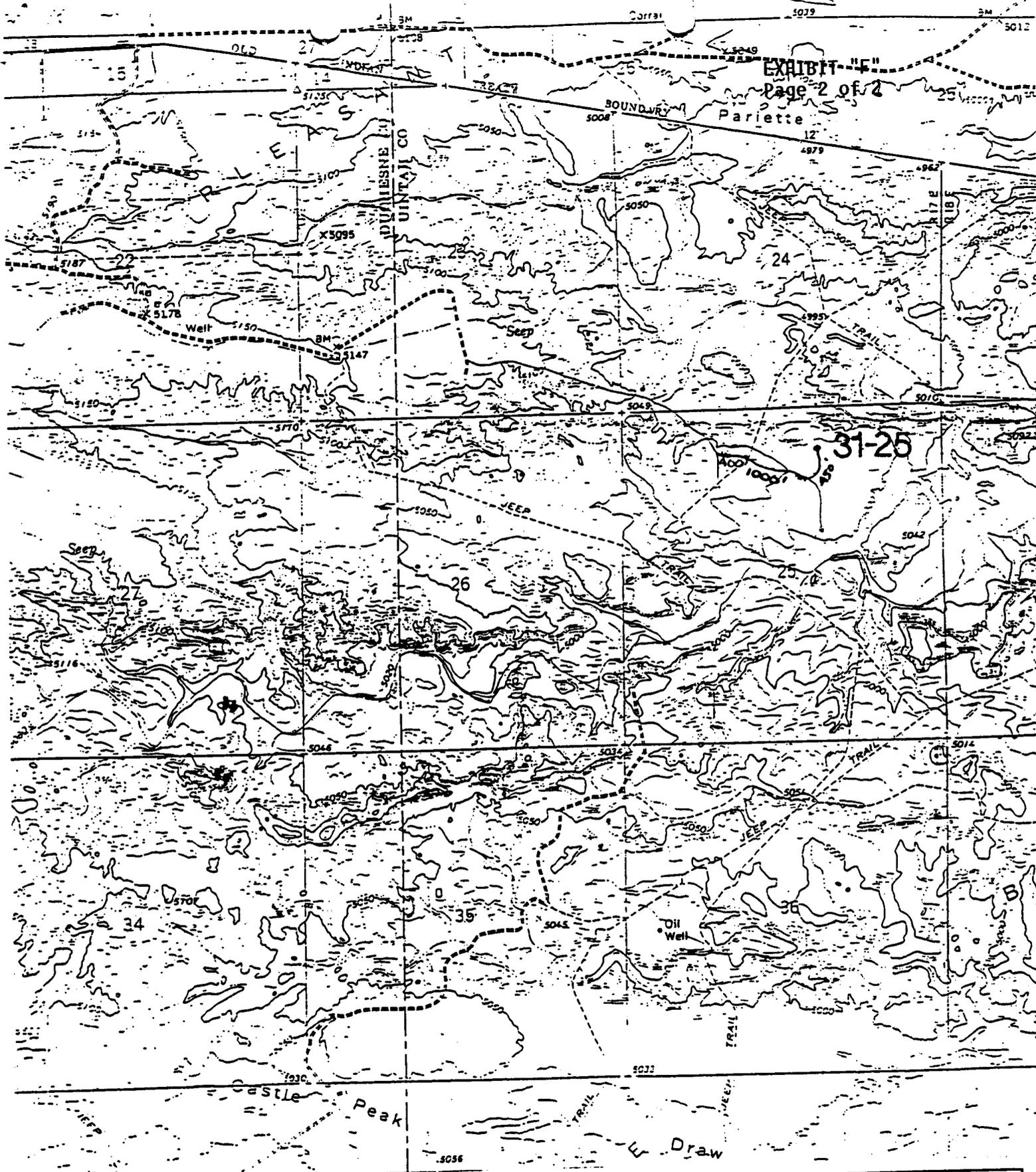


EXHIBIT "F"  
 Page 2 of 2  
 Pariette

31-25



EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #31-25  
 MAP "B"

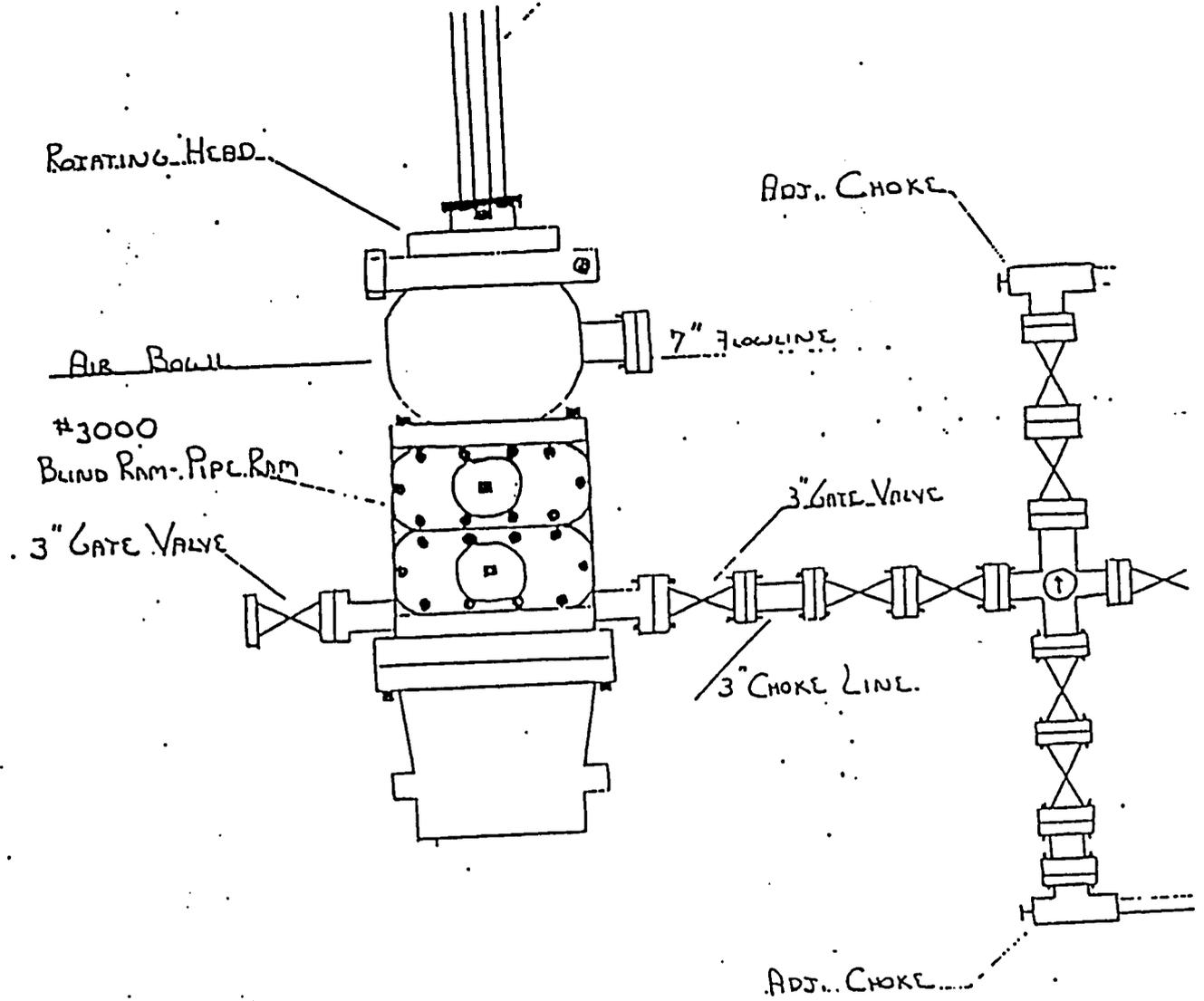




UNION DRILLING RIG #17

Hex Kelly -

EXHIBIT "H"



#3000 - STACK

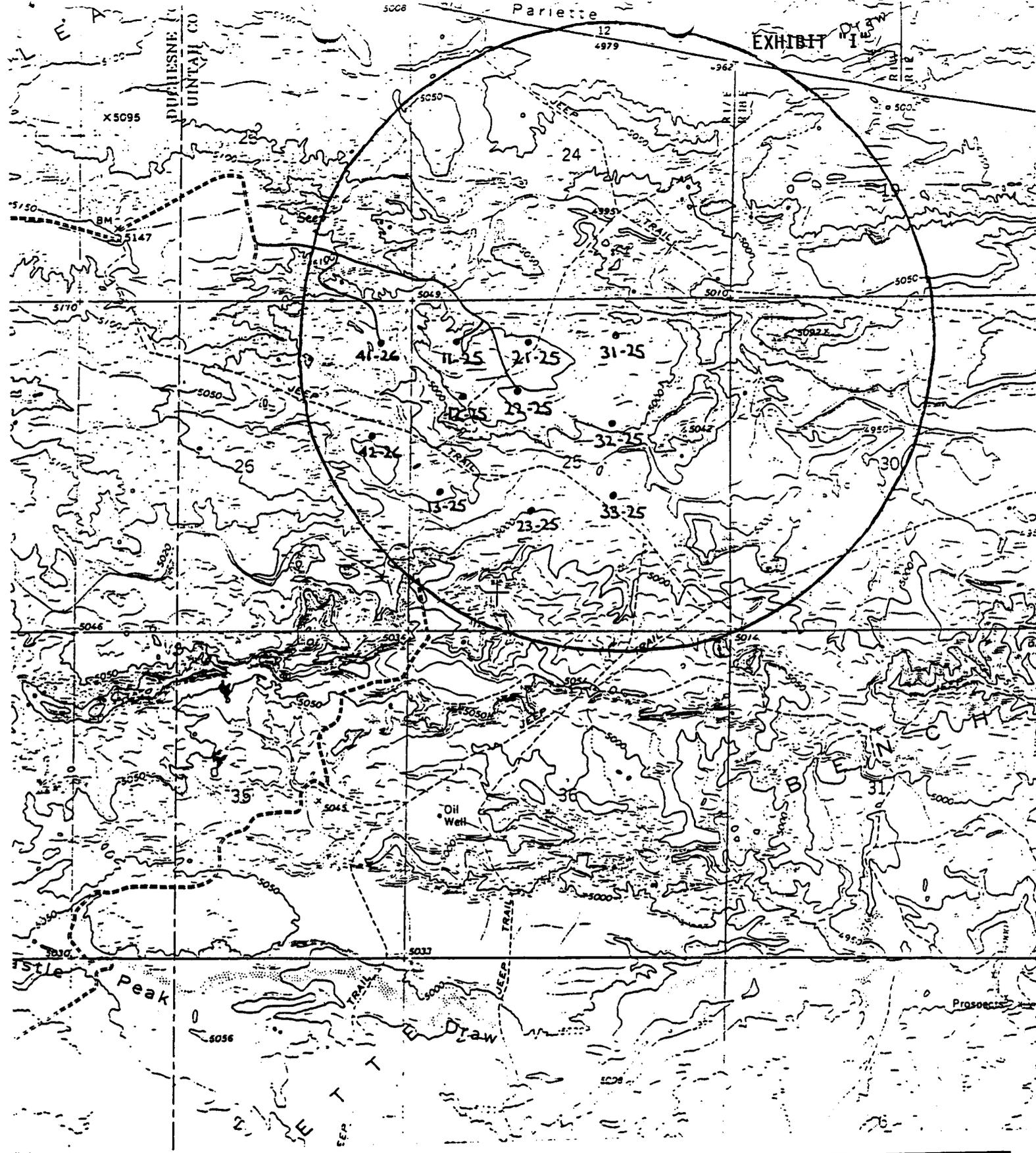


EXHIBIT 1



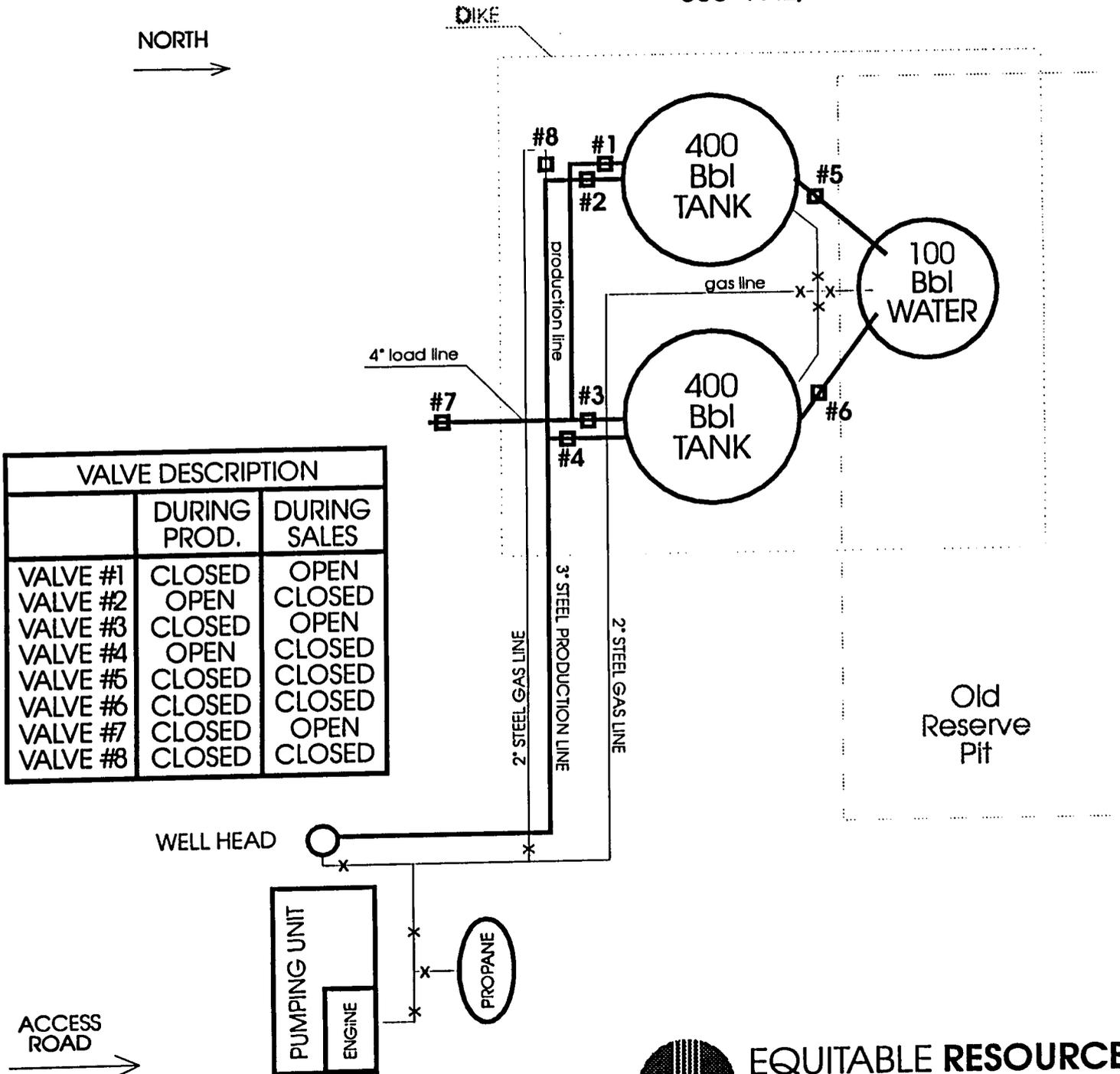
EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #31-25  
 MAP "C"

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

Equitable Resources Energy Company  
 Balcron Monument Federal 31-25  
 Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 31-25  
 NW NE Sec. 25, T8S, R17E  
 Uintah County, Utah  
 Federal Lease #U-67845  
 660' FNL, 1980' FEL



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

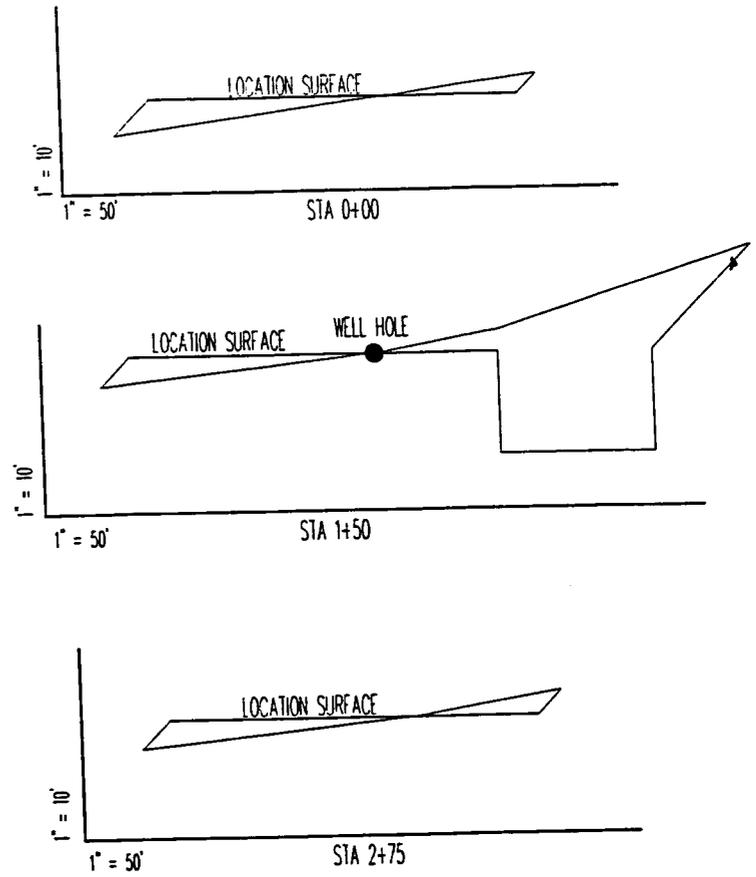
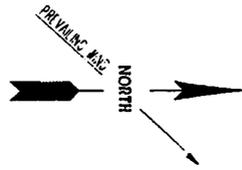
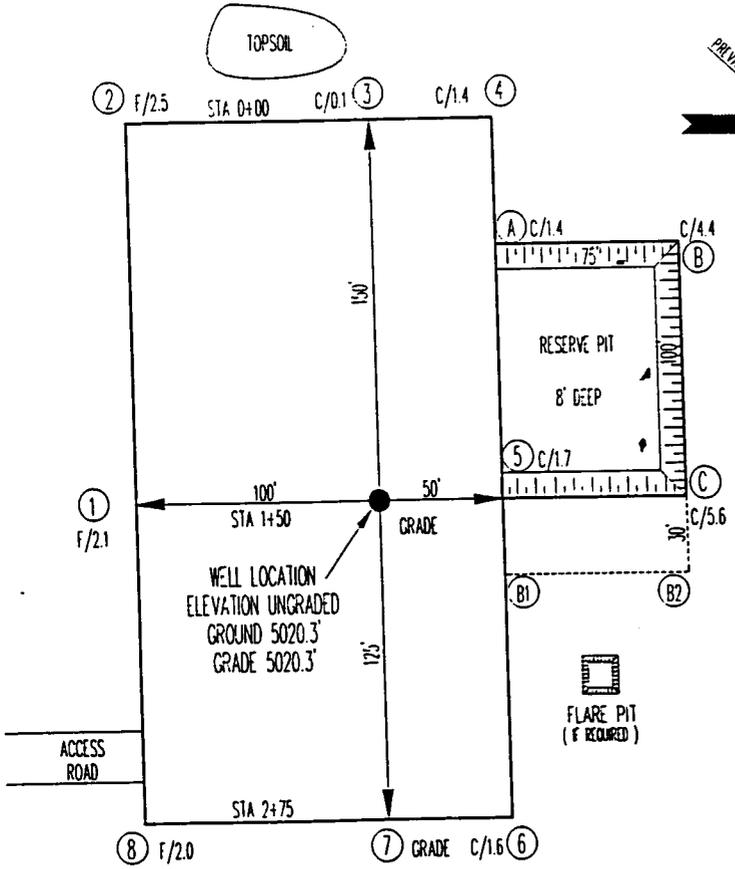


**EQUITABLE RESOURCES ENERGY COMPANY**  
 BALCRON OIL DIVISION  
 1601 Lewis Avenue  
 P.O. Box 21017  
 Billings, MT 59104-1017  
 (406) 259-7860

DIAGRAM NOT TO SCALE

EXHIBIT "L"

# EQUITABLE RESOURCES ENERGY CO. BALCRON MONUMENT FEDERAL #31-25



**REFERENCE POINTS**  
 175.0' NORTH 5029.8'  
 200.0' NORTH 5034.3'  
 200.0' WEST 5021.3'  
 250.0' WEST 5027.2'

**APPROXIMATE YARDAGE**  
 CUT = 1320' Cu Yds  
 FILL = 1070' Cu Yds  
 PIT = 2222.0' Cu Yds

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

FILENAME MF#31-25

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/14/94

API NO. ASSIGNED: 43-047-32530

WELL NAME: BALCRON MONUMENT FEDERAL 31-25  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
NWNE 25 - T08S - R17E  
SURFACE: 0660-FNL-1980-FEL  
BOTTOM: 0660-FNL-1980-FEL  
UINTAH COUNTY  
UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
LEASE NUMBER: U-67845

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Y Plat
- Y Bond: Federal  State  Fee   
(Number 5547188)
- N Potash (Y/N)
- N Oil shale (Y/N)
- Y Water permit  
(Number 3<sup>rd</sup> PARTY SOURCE)
- N RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

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

COMMENTS:  WATER WELL OWNED BY OWEN ANDERSON

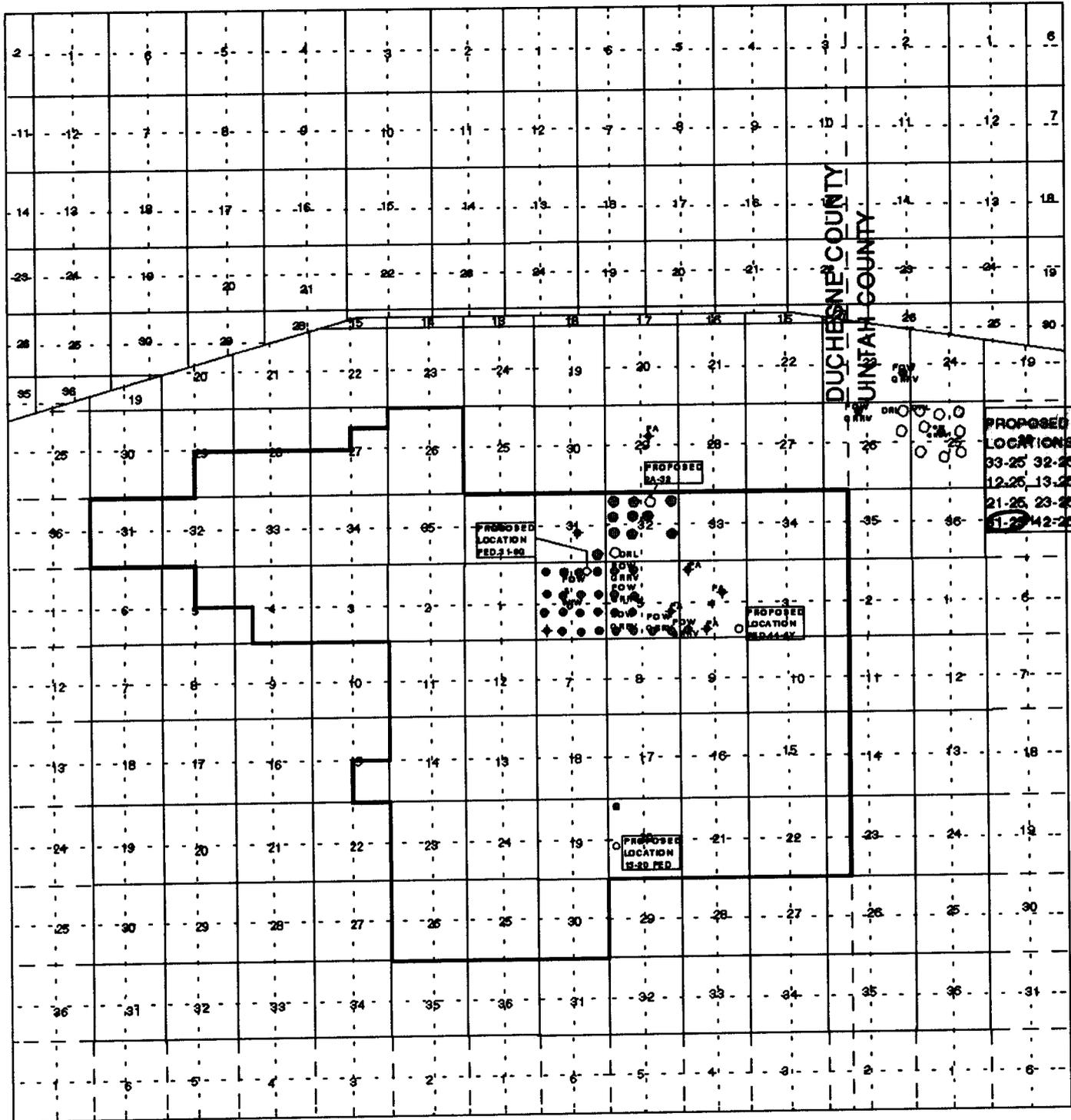
STIPULATIONS: \_\_\_\_\_

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 2-20-96

# 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

# UTAH DIVISION OF OIL, GAS AND MINING EQUIPMENT INVENTORY

Operator: Equitable Resources Lease: State: \_\_\_ Federal:  Indian: \_\_\_ Fee: \_\_\_

Well Name: BMF 31-25 API Number: 43-047-32530

Section: 25 Township: 8S Range: 17E County: Uintah Field: Undesignated

Well Status: POW Well Type: Oil:  Gas: \_\_\_

PRODUCTION LEASE EQUIPMENT:  CENTRAL BATTERY: \_\_\_

Well head    \_\_\_ Boiler(s)    \_\_\_ Compressor    \_\_\_ Separator(s)  
 Dehydrator(s)    \_\_\_ Shed(s)    \_\_\_ Line Heater(s)    \_\_\_ Heated Separator  
 VRU     Heater Treater(s)

PUMPS:  
 Triplex    \_\_\_ Chemical     Centrifugal

LIFT METHOD:  
 Pumpjack    \_\_\_ Hydraulic    \_\_\_ Submersible    \_\_\_ Flowing

GAS EQUIPMENT:  
 Gas Meters    \_\_\_ Purchase Meter    \_\_\_ Sales Meter

TANKS: NUMBER	SIZE	
<u>2</u> Oil Storage Tank(s)	<u>400</u>	BBLS
___ Water Tank(s)	_____	BBLS
___ Power Water Tank	_____	BBLS
___ Condensate Tank(s)	_____	BBLS
<u>1</u> Propane Tank	_____	

REMARKS: Oil storage tanks have burners. Tank bottoms go to reserve pit but a wire topped steel pit tank will be put in place when reserve pit is reclaimed.

Location central battery: Qtr/Qtr: \_\_\_ Section: \_\_\_ Township: \_\_\_ Range: \_\_\_

Inspector: David W. Newfield Date: 1/23/95

Equitable

B.M.F. 3/25

43-047-32530

North  
↑

Reserve Pit

Top  
Soil

400  
Barrel  
Production  
Tank

400  
Barrel  
Production  
Tank

Hester  
Freezer

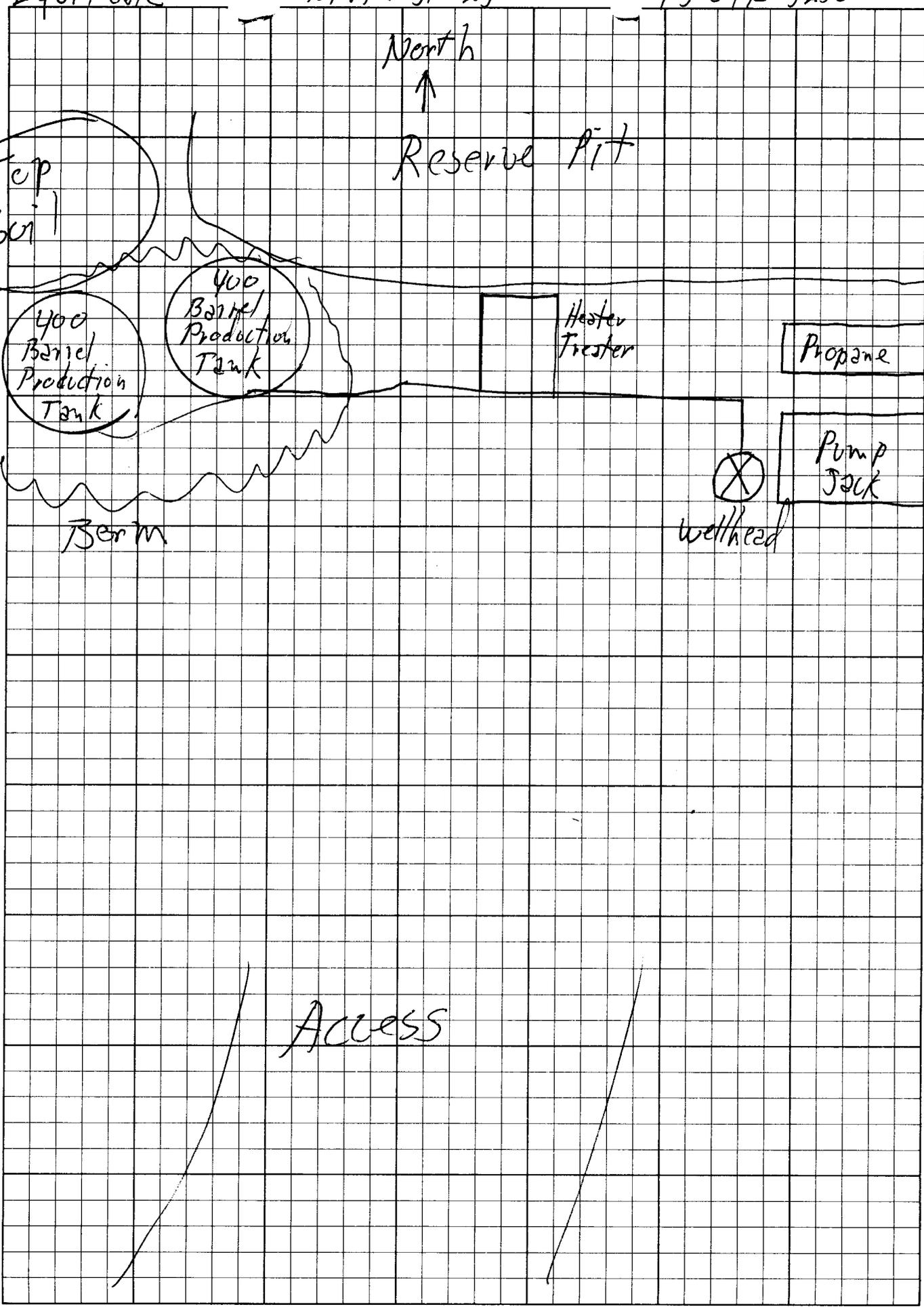
Propane

Pump  
Jack

Berm

wellhead

Access





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

July 11, 1994

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

BALCRON MONUMENT FEDERAL 31-25  
Sec 25 T8S R17E  
43-047-32530

Gentlemen:

Enclosed are paleontological reports for the proposed wells on the enclosed list. Please consider these as a supplement to the Applications for Permit to Drill which have been submitted.

The archeological surveys have been completed and the reports will be submitted as soon as they are received.

Sincerely,

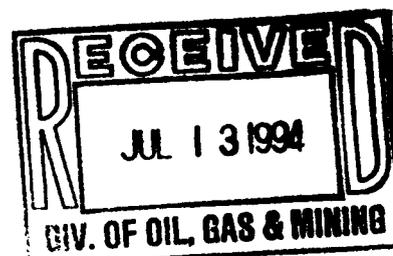
*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Utah Division of Oil, Gas and Mining



Balcron Monument Federal #12-25  
 SW NW Section 25, T8S, R17E  
 1486' FNL, 875.7' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,250'  
 GL 5062.1'

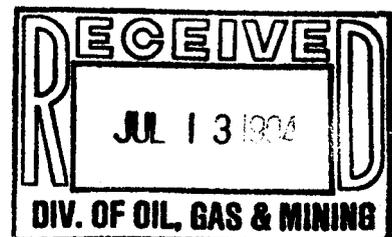
Balcron Monument Federal #13-25  
 NW SW Section 25, T8S, R17E  
 2253.6' FSL, 483.9' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,200'  
 GL 4977.9'

Balcron Monument Federal #21-25  
 NE NW Section 25, T8S, R17E  
 747.6' FNL, 1963.6' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,300'  
 GL 5060.4'

Balcron Monument Federal #23-25  
 NE SW Section 25, T8S, R17E  
 1926.8' FSL, 2138.6' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,200'  
 GL 4991.9'

Balcron Monument Federal #31-25  
 NW NE Section 25, T8S, R17E  
 660' FNL, 1980' FEL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,300'  
 GL 5020.3'

Balcron Monument Federal #32-25  
 SW NE Section 25, T8S, R17E  
 1980' FNL, 1980' FEL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,250'  
 GL 5013.8'



Balcron Monument Federal #33-25  
NW SE Section 25, T8S, R17E  
2096.9' FSL, 2067.3' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845  
PTD: 6,150'  
GL 4971.5'

Balcron Monument Federal #42-26  
SE NE Section 26, T8S, R17E  
2100' FNL, 660' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845  
PTD: 6,250'  
GL 5036.7'

Balcron Monument Federal #41-26  
NE NE Section 26, T8S, R17E  
Uintah County, Utah  
1051.4' FNL, 581.9' FEL  
FLS #U-67845  
PTD: 6,400'  
GL 5,019.6'  
FOOTAGES AND GL CHANGED PER BLM 6/6/94.

BALCRON OIL

Balcron Monument Federal #31-25  
NW NE Section 25, T8S, R17E, SLB&M  
Uintah County, Utah

PALEONTOLOGY REPORT  
WELLPAD LOCATION AND ACCESS ROAD

BY

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

JUNE 30, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #31-25  
NW, NE Section 25, T8S, R17E, SLB&M, Uintah County, Utah.

Description of Geology and Topography-

This well is located 7 miles south and 5.5 miles east of Myton, Utah. It sits on a the north side of a rather flat bottom valley which drains to the east. There is a ridge north of the wellpad of interbedded mudstone and sandstone. The wellpad area has a ground cover of sand and small angular rock fragments. The access road runs east from well #21-25, down off the east nose of a sandy ridge where it bifurcates, one road going south to well 32-25 and the other going north to this well, 31-25.

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

Paleontological material found -

One isolated weathered piece of turtle shell was found along the east side of the well pad mixed with the other rock fragments in the ground cover. No other vertebrate fossils were found on the wellpad location or access road.

While driving down the small valley to this well location, a small mudstone knoll was observed to have several turtles and some juvenile crocodile fossils eroding out of it. The site was recorded, but it is not immediately near any of the presently proposed wells or access roads.

Recommendations-

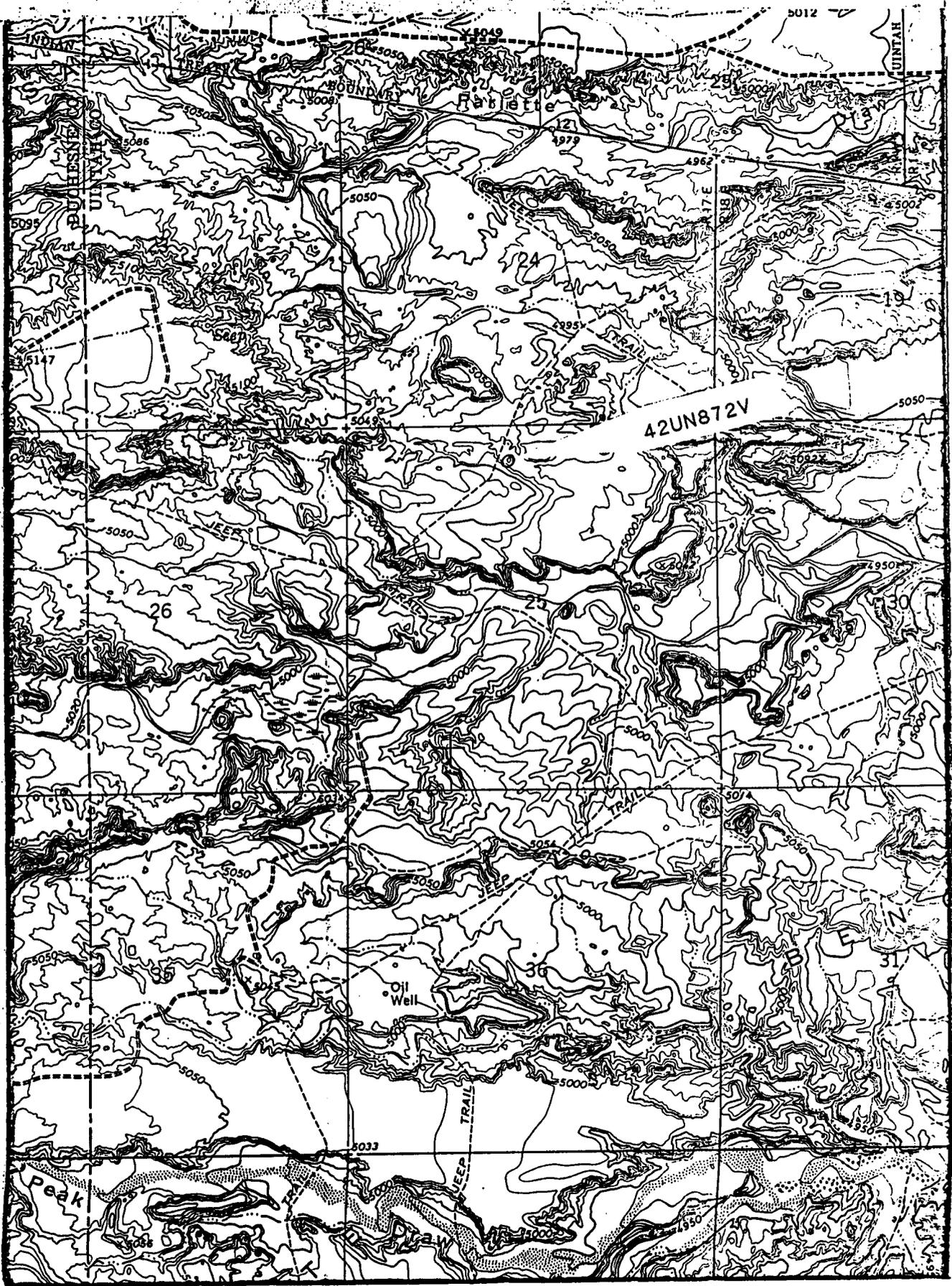
No other recommendations are made for this location.

Allen H. Humblin

Date

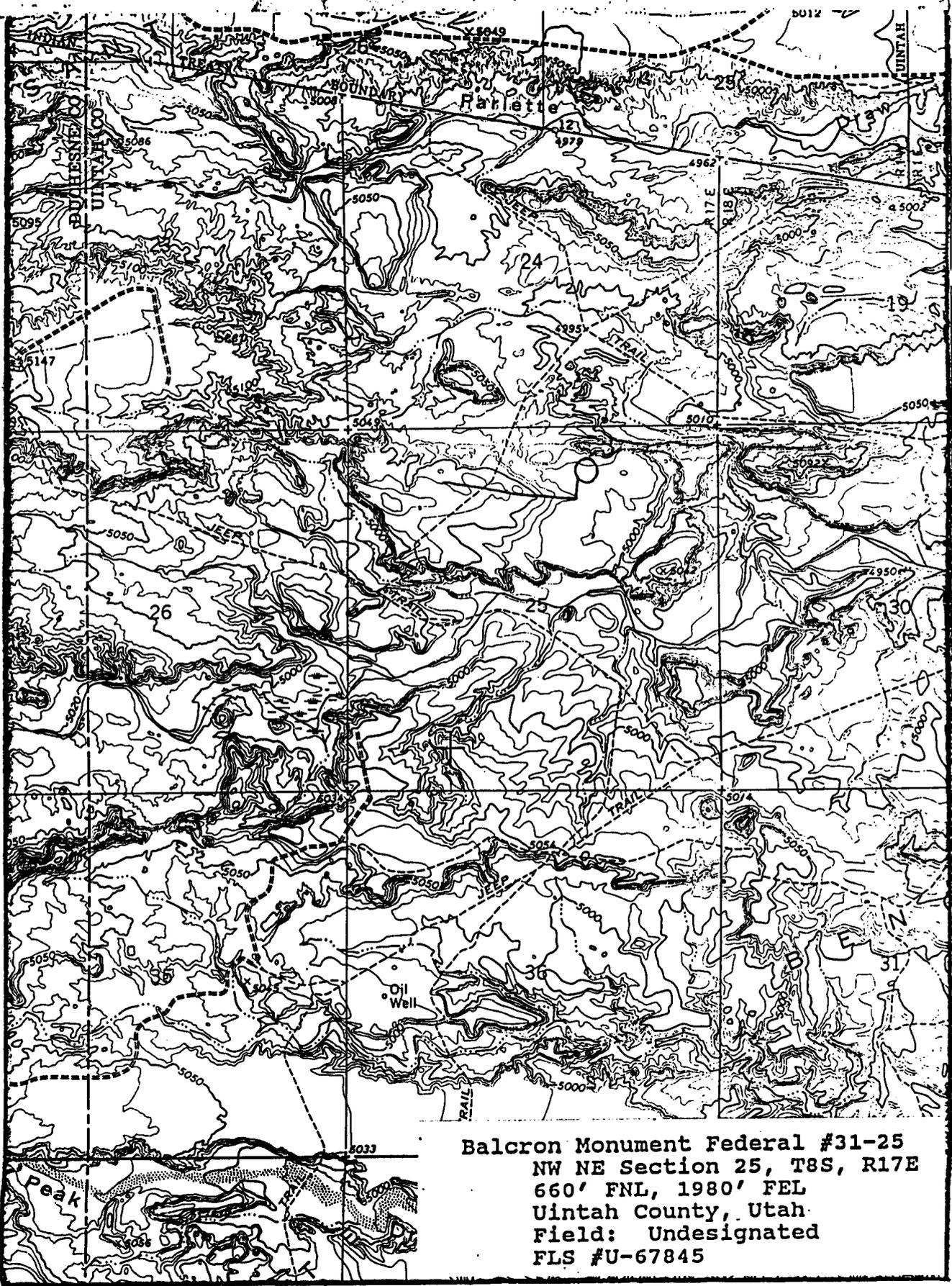
July 1, 1994

<b>PALEONTOLOGY LOCALITY</b> <b>Data Sheet</b>					Page 1 of 1 plus map										
					State Local. No. 42 UN 872V										
					Agency No.										
					Temp. No BALCRON MONUMENT BUTTE FEDERAL #31-25 (west of)										
1. Type of locality Invertebrate		Plant		Vertebrate		X Trace		Other _____							
2. Formation: UINTA			Horizon: "B"			Geologic Age: Late Eocene									
<b>3. Description of Geology and Topography:</b> The general area is a badlands area south of Pleasant Valley. Rocks in the immediate area of the proposed access road and wellpad are composed of interbedded mudstone, and sandstone. These rocks probably represent fluvial (stream) deposits. 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 and plant impressions.															
4. Location of Outcrop: 7 miles south and 5.5 mile east of Myton, Utah.															
5. Map Ref.		USGS Quad		Pariette Draw SW		Scale		7.5 Min		Edition		1964			
NE1/4		of		NE1/4		of		NW1/4		of Sectn		25 T 8 S R 17E Meridn SLB			
6. State: UTAH			County: UINTAH COUNTY			BLM/FS District: VERNAL- DIAMOND MT.									
7. Specimens Collected and Field Accession No. NONE															
8. Repository:															
<b>9. Specimens Observed and Disposition:</b> While driving down the small valley to well location 31-25, a small mudstone knoll was observed to have several turtles and some juvenile crocodile fossils eroding out of it. The site was recorded, but it is not immediately near any of the presently proposed wells or access roads.															
10.Owner: Private		State		BLM		X US FS		NPS		IND		MIL		OTHR	
11.Recommendations for Further Work or Mitigation:															
12.Type of Map Made by Recorder:															
13.Disposition of Photo Negatives:															
14.Published References: Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Larimie, Wyoming.															
15.Remarks:															
16.Sensitivity:		Critical		Significant		x		Important		X		Insignificant			
17.Recorded by: Alden Hamblin, Paleontologist						Date: June 25, 1994									



42UN872V

NE NE NW, Section 25, T8S, R17E, SLB&M  
Uintah County, Utah Pariette Draw SW, Utah Quad.



Balcron Monument Federal #31-25  
NW NE Section 25, T8S, R17E  
660' FNL, 1980' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845



**EQUITABLE RESOURCES  
ENERGY COMPANY**

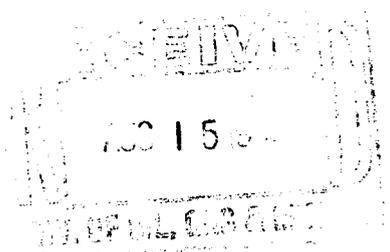
**BALCRON OIL DIVISION**

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



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

*BALCRON Monument Fed 31-25  
Sec 25 T8S R17E  
43-047-32520*

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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. See attached listing
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017; Billings, MT 59104      (406) 259-7860	7. If Unit or CA, Agreement Designation See attached listing
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) See attached listing	8. Well Name and No. See attached listing
	9. API Well No. See attached listing
	10. Field and Pool, or Exploratory Area 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

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

Have approved APDs but not yet drilled (continued)

Balcron Monument Federal #43-15J  
 NE SE Section 15, T9S, R16E  
 Duchesne County, Utah  
 1777.9' FSL, 788.4' FEL  
 FLS #U-017985  
 Monument Butte Field  
 Jonah Unit  
 API #43-013-31423

Do not yet have approved APDs (but they have been submitted)

Balcron Monument Federal #12-25 43-047-32526  
 SW NW Section 25, T8S, R17E  
 1486' FNL, 875.7' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845

Balcron Monument Federal #13-25 43-047-32527  
 NW SW Section 25, T8S, R17E  
 2253.6' FSL, 483.9' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845

Balcron Monument Federal #21-25 43-047-32528  
 NE NW Section 25, T8S, R17E  
 747.6' FNL, 1963.6' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845

Balcron Monument Federal #23-25 43-047-32529  
 NE SW Section 25, T8S, R17E  
 1926.8' FSL, 2138.6' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845

Balcron Monument Federal #31-25 43-047-32530  
 NW NE Section 25, T8S, R17E  
 660' FNL, 1980' FEL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845



**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)

September 13, 1994

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

Re: Balcron Monument Federal #31-25 Well, 660' FNL, 1980' FEL, NW NE, Sec. 25, T. 8 S., R. 17 E., Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. 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., the Oil and Gas Conservation General Rules.
2. Notification to the Division within 24 hours after drilling operations commence.
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. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.



Page 2  
Equitable Resources Energy Company  
Balcron Monument Federal #31-25 Well  
September 13, 1994

6. 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 K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

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 43-047-32530.

Sincerely,



R.J. Firth  
Associate Director

ldc  
Enclosures  
cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office  
WO11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**  
SUBMIT IN THE OFFICE OF  
(Other Instructions on  
SEP 15 1994

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 Division

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  
 NW NE Section 25, T8S, R17E      660' FNL, 1980' FEL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 10 miles southeast of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. 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  
 6,300'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GL 5020.3'

22. APPROX. DATE WORK WILL START\*  
 8/1/94

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached				

See attached for listing of exhibits.

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.

**RECEIVED**  
JUN 15 1994

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 Regulatory and Environmental Specialist DATE June 13, 1994  
 (This space for Federal or State office use)

PERMIT NO. 43-047-32530 APPROVAL DATE SEP 13 1994  
 APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS  
 CONDITIONS OF APPROVAL, IF ANY:

**NOTICE OF APPROVAL**

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Div. O.G.M.  
T8S R17E

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 31-25

API Number: 43-047-32530

Lease Number: U-67845

Location: NWNE Sec. 25 T. 8S R. 17E

**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.

A. 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  $\pm 274$  ft. or by setting the surface casing at  $\pm 300$  ft. and having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at 3,144 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  $\pm 2,914$  ft. if the surface casing is set at  $\pm 300$  or it will be run to  $\pm 74$  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 onlease 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:

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert (801) 789-4170  
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 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 as listed for the reserve pit under Point 9F 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.

**Additional Surface Conditions of Approval**

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. Workers for Balcron or their contractors will not collect any paleontologic or archaeological materials.

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 forty-eight (48) hours prior to construction activities.

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

# CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON MONUMENT FEDERAL 31-25

API NO. 43-047-32530

Section 25 Township 8S Range 17E County UINTAH

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 12/8/94

Time \_\_\_\_\_

How ROTARY

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

Reported by ODELL WILLIAMS

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

Date: 12/8/94 Signed: JLT

12-13-94

Form 3160-5 UNITED STATES  
(June 1990) 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**

**CONFIDENTIAL**

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: NW NE Section 25, T8S, R17E  
 TD: 660' FNL & 1980' FEL

5. Lease Designation and Serial No. **U-67845**

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

7. If Unit or CA, Agreement Designation **n/a**

8. Well Name and No. **Balcron Monument Federal #31-25**

9. API Well No. **43-047-32530**

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

11. County or Parish, State **Utah 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 12-8-94 at 3:45 p.m.

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

Signed Robbie Schuman

Title Regulatory and Environmental Specialist

Date 12-8-94

(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

12 12 1994

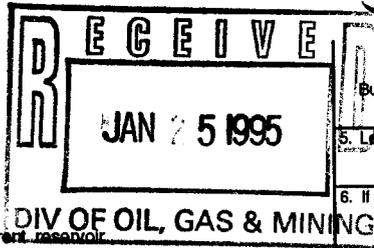
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	1176	43-047-32530	Balcron Monument Federal #31-25	NW NE	25	8S	17E	Uintah	12-8-94	12-8-94
WELL 1 COMMENTS: Spud of a new well. Entity added 12-13-94. <i>Jee</i>											
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: 12-9-94

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



FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993  
 5. Lease Designation and Serial No. U-67845  
 6. If Indian, Allottee or Tribe Name n/a

**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**

**CONFIDENTIAL**

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: NW NE Section 25, T8S, R17E  
 TD: 660' FNL & 1980' FEL

7. If Unit or CA Agreement Designation n/a

8. Well Name and No.  
 Balcron Monument Federal #31-25

9. API Well No.  
 43-047-32530

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

11. County or Parish, State  
 Uintah 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"/> Allering 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 1-20-95 at 3:30 p.m.

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 1-23-95  
 (This space for Federal or State office use)

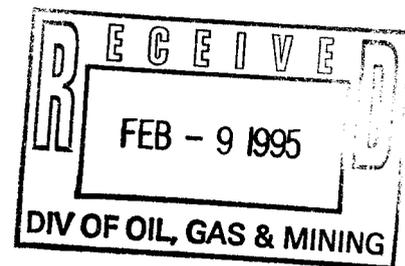
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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

GEOLOGICAL WELLSITE REPORT

Balcron Oil Company  
Monument Federal No. 31-25  
NWNE Sec. 25-T8S-R17E  
Uintah County, Utah



Durwood Johnson  
3118 Avenue F  
Billings, MT 59102  
(406) 656-4872

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Penetration Log	In Pocket

FORMATION TOPS

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>** Reference Well</u>
TERTIARY			
Uinta	Surface		
Green River	1826	+3204	31' Low
Horse Bench Sand	2754	+2276	29' Low
2nd Garden Gulch	4298	+ 732	29' Low
Y-3 Sand	4664	+ 366	
Yellow Marker	4904	+ 126	30' Low
Douglas Creek	5072	- 42	29' Low
R-3 Sand	5194	- 164	
R-5 Sand	5262	- 232	37' Low
2nd Douglas Creek	5352	- 322	44 Low
Green Marker	5510	- 480	
Black Shale Facies	5772	- 742	
Carbonate Marker	5906	- 876	27' Low
B-1 Sand	5971	- 941	28' Low
B-3 Sand	6141	-1111	
TOTAL DEPTH:			
Driller:	6225'		
Logger:	6229'		

\* Penetration log correlation with Halliburton logs confirms Driller's depth to be 3<sup>2</sup> feet shallow.

\*\* Reference Well:

Balcron - Monument Federal No. 32-25  
 SWNE Sec. 25-T8S-R17E  
 Uintah County, Utah

DATA SHEET

OPERATOR: Balcron Oil Company

WELL NAME: Monument Federal No. 31-25

LOCATION: NWNE (660' FNL-1980' FEL) Section 25, Township 8 South, Range 17 East, Uintah County, Utah.

AREA: Monument Butte Field

ELEVATIONS: Ground 5020.3'; Graded 5020'; KB 5030'

SPUDDED: December 8, 1994 @ 8:00 PM

DRILLED OUT: December 9, 1994 @ 6:45 PM

REACHED T.D.: December 16, 1994 @ 1:00 PM

RIG RELEASE: December 17, 1994 @ 10:00 PM

TOTAL DEPTH: 6225' Driller; 6229' Logger

STATUS: Oil Well

HOLE SIZE: 12¼" Surface-330'; 7 7/8" 330-6250'

DRILLING FLUID: Air & Foam Surface-4400'; Kcl water 4400-6250'

SURFACE CSG.: Ran 7 jts (319.20') 8 5/8", 24 lb, J-55, 8 rd STSC to 315' KB. Cemented w/200 sxs Class G, 2% CaCl<sub>2</sub>, ¼ lb per sx Cello Seal. Plug down 7:15 AM, 12/9/94

PRODUCTION CSG. Ran 148 jts (6224.50') 5½", 17½ lb, J-55, LTSC to 6221' KB. Cemented w/178 sxs Super "G", 47 lbs/sx "G", 20 lbs/sx Poz, 17 lbs/sx CSE, 3% Salt, 2% Gel, 2 lbs/sx Hi-Seal 2, ¼ lb/sx Cello Seal. Tailed w/426 sxs 50/50 Poz, 2% Gel, ¼ lb/sx Cello Seal, 2 lbs/sx Hi-Seal 2. Plug down 5:30 PM 12/17/94.

DSTs: None                      CORES: None

LOGGING: Hilliburton    Engineer: Evatt, Butler, Vernal, UT  
 1. DLL w/Gr & Cal                      BSC-T.D.  
 2. SDN-DSN w/Gr & Cal                      2700-T.D.

MUD LOGGERS: Monaco    Logger: Deardorff                      Denver, CO

CONTRACTOR: Union Drilling Inc. Rig 17    Toolpusher: Dave Gray

SUPERVISION: Odell Williams                      Casper, WY

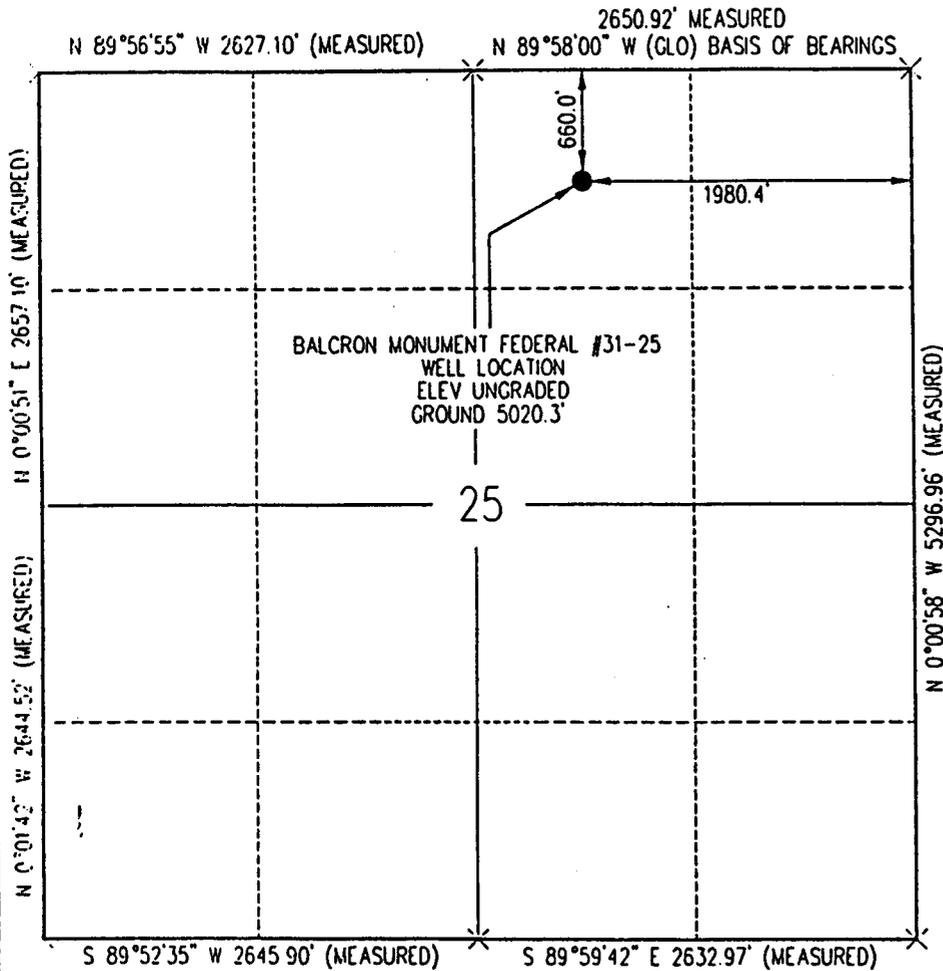
GEOLOGIST: Durwood Johnson                      Billings, MT

T8S, R17E, S.L.B. & M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #31-25, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 25, T8S, R17E, S.L.B. & M, UTAH COUNTY, UTAH.

EXHIBIT "K"



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.

REGISTERED LAND SURVEYOR  
 No. 189377  
 STACY W. STEWART  
 STATE OF UTAH

REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

WEATHER: SUNNY & HOT  
 DATE: 5/26/94  
 SCALE: 1" = 1000'  
 SURVEYED BY: SS CB  
 FILE: MF #31-25

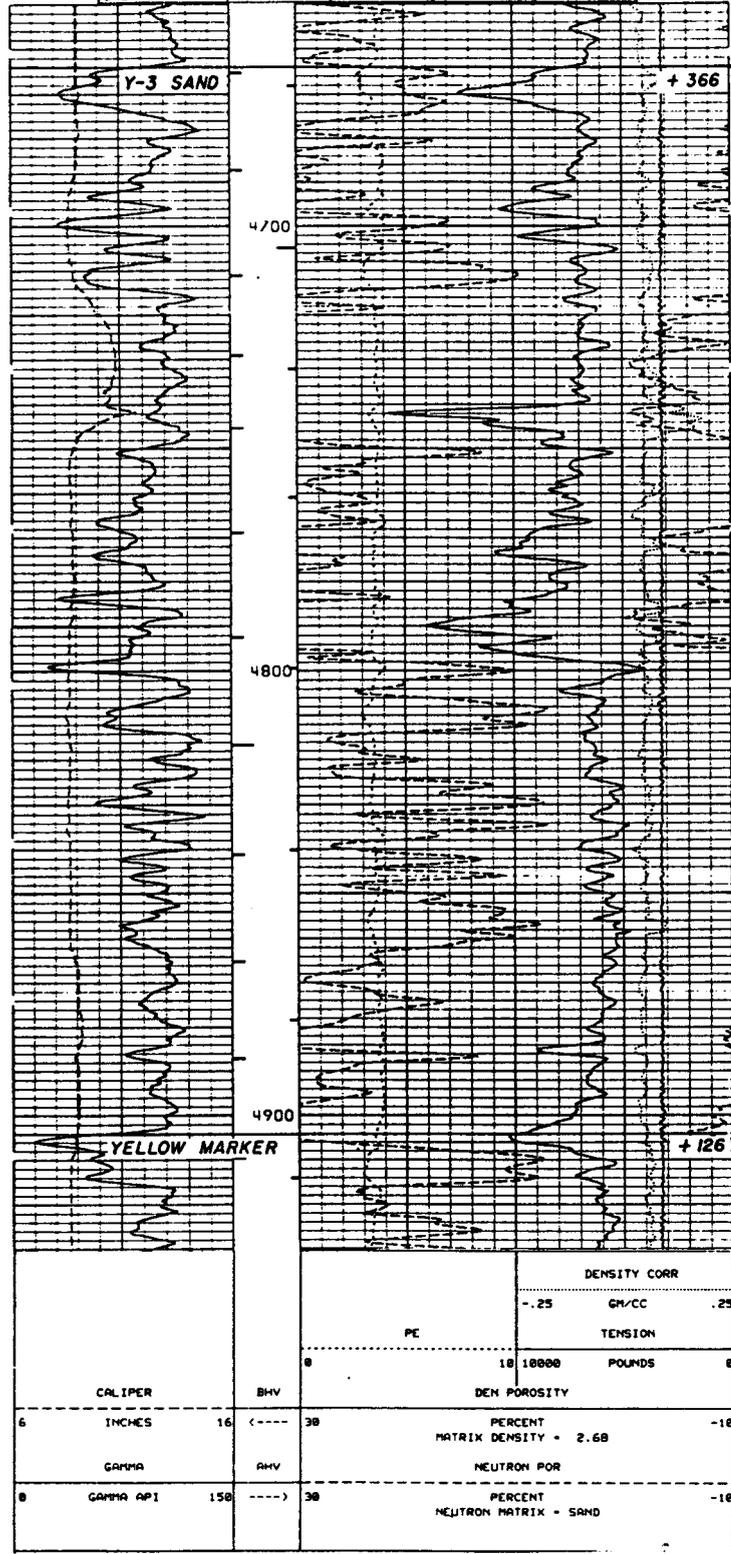


X = SECTION CORNERS LOCATED  
 BASIS OF BEARINGS; G.L.O. PLAT 1911  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW))



**SPECTRAL DENSITY  
DOWNHOLE NEUTRON  
LOG**

COMPANY BALCONR OIL	WELL MONUMENT FEDERAL NO.	FIELD MONUMENT BUTTE	COUNTY UTAH	STATE UT	COMPANY BALCONR OIL
					WELL MONUMENT FEDERAL NO 31-25
					FIELD MONUMENT BUTTE
			COUNTY UTAH	STATE UT	OTHER SERVICES OIL
			APRT NO		
			LOCATION NW/4 OF NE/4 660 FAL RMC 1980 FEL		
			SECT 25	TWP 05	RGE 17E
PERMANENT DATUM LOG MEASURED FROM KB OR 10 DRILLING MEASURED FROM KB			ELEV 5020 FT ABOVE PERM DATUM		ELEV. X B 5030 O F 5029 C L 5020
DATE	12/16/94				

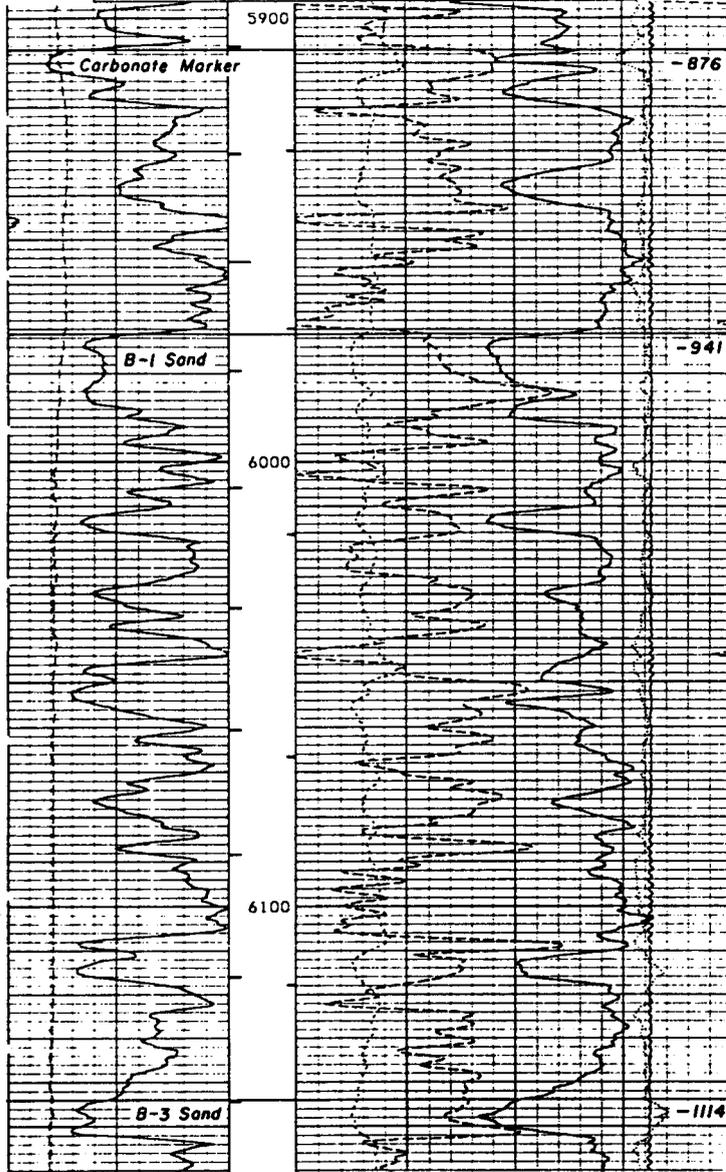






SPECTRA DENSITY  
DUAL SPREAD NEUTRON  
LOG

COMPANY HALLIBURTON OIL	WELL MONUMENT FEDERAL NO.	STATE UT	COMPANY HALLIBURTON OIL
FIELD MONUMENT BUTTE	COUNTY UINTAH	STATE UT	WELL MONUMENT FEDERAL NO 31-25
AP1 NO	LOCATION NW/4 OF NE/4 S&O F&O 1900 FEL	OTHER SERVICES OIL	FIELD MONUMENT BUTTE
PERMANENT DATUM LOG MEASURED FROM KB OR DRILLING MEASURED FROM KB	SECT 25	TWP 05 RGE 17E	ELEV 5020 FT ABOVE PERM DATUM
DATE 12/16/94			ELEV C B 5030 D F 5029 G L 5020

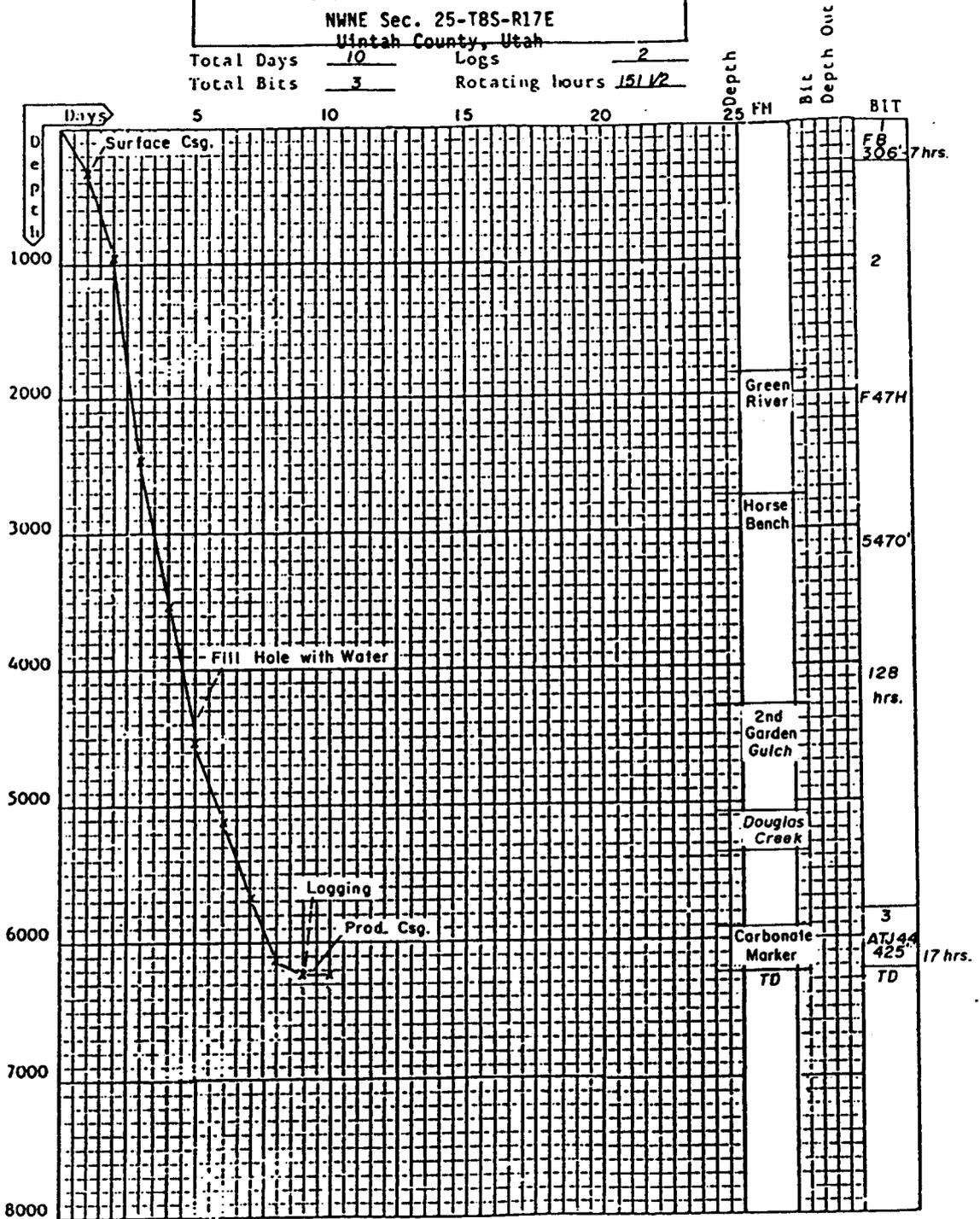


CALIPER		BHV	DENSITY CORR	
5	INCHES	16	PE	- .25 GM/CC .25
GAMMA		RHV	TENSION	
8	GAMMA API	158	0	10 10000 POUNDS 0
DEN POROSITY		38	PERCENT MATRIX DENSITY = 2.68	
NEUTRON POR		38	PERCENT NEUTRON MATRIX = SAND	

PENETRATION CHART

Balcron Oil Company  
 Monument Federal No. 31-25  
 NWNE Sec. 25-T8S-R17E  
 Uintah County, Utah

Total Days 10 Logs 2  
 Total Bits 3 Rotating hours 151 1/2





## WELL HISTORY

<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>Operation</u>	<u>Daily Activity (Previous 24 hrs.6AM-6AM)</u>
1	1994 12/9	330	WOC	Move and rig up. Drill 17½" hole 14' - 2¼ hrs. Set 13 5/8" conductor and drill rat hole. Spud 12¼" surface @ 8:00 PM, 12/8/94. Drill from 24-330'. Made 306' in 7 hrs. Circulate. Rig up and run 7 jts 8 5/8" surface casing. WO cementers.
2	12/10	990	Drilling	WO cementers. Cement casing w/200 exs. Plug down @ 7:15 AM, 12/9/94. WOC. Nipple up BOPs. Test BOPs and all related parts to 2000 psi, casing 1500 psi - O.K. Trip in Drill Collars. Blow water. Drill cement, float and shoe - 1 3/4 hrs. Drill out @ 6:45 PM, 12/9/94. Drill & survey from 330-990'. Made 660' in 10 hrs.
3	12/11	2465	Drilling	Drill & survey from 990-2465'. Made 1475' in 23 hrs.
4	12/12	3525	Drilling	Drill & survey from 2465-3525'. Made 1060' in 22½ hrs.
5	12/13	4515	Drilling	Drill & survey from 3525-4393'. Load hole with KCl water - drop ball. Drill from 4393-4515'. Made 990' in 21 3/4 hrs.
6	12/14	5105	Drilling	Drill & survey from 4515-5105'. Made 590' in 22½ hrs.
7	12/15	5685	Drilling	Drill & survey from 5105-5685'. Made 580' in 23 hrs.
8	12/16	6117	Drilling	Drill from 5685-5800'. Trip for plugged bit. Trip in Bit 3. Wash to bottom - no fill. Drill from 5800-6117' Made 432' in 16 3/4 hrs.
9	12/17	6225	Run Csg.	Drilling from 6117-6225'. Made 108' in 5 hrs. Total Depth 6225 @ 1:00 PM, 12/16/94. Stopped short of program T.D. because of mud pump failure. Circulate. Trip out for logs. Rig up loggers. Logging. Trip in drill pipe and collars. Trip out laying down. Change to casing rams & test.
10	12/18	6225		Rig up to run casing. Run 148 jts 5½" csg to 6221' KB. Cement w/604 exs. Plug down @ 5:30 PM, 12/17/94. Rig release @ 10:00 PM, 12/17/94.

Balcron Monument Federal No. 31-25  
NWNE Sec. 25-T8S-R17E  
Uintah County, Utah

SAMPLE DESCRIPTION

Geologist on wellsite @ 1500 feet. Samples lagged and caught by Monaco personnel. Sample quality is fair to good unless otherwise noted. Sample descriptions are adjusted to Laterolog depths with shows underlined. Samples caught at the following intervals:

50' 1700-4400'  
20' 4400-6225'

- 1700-1750 Sandstone, very fine grained, clear, light grayish white quartz grains, sub-rounded to sub-angular, good sorting; streaks Siltstone, light gray, slightly calcareous, argillaceous; trace Shale, light gray, gray-tan, platy.
- 1750-1800 Sandstone, very fine-fine grained, light grayish white, sub-rounded, occasionally medium grained, rounded, fair-good sorting; streaks Shale, gray-green, chunky, silty; trace Coal.

GREEN RIVER 1826 (+3204)

- 1800-1900 Dolomite, cryptocrystalline, bright tan, argillaceous-shaley; streaks Shale, light brown, reddish brown, platy, dolomitic; grades to dolomitic Shale - Oil Shale; abundant loose quartz grains, as above; @ 1850 increased Shale, reddish brown, as above - Oil Shale.
- 1900-1950 Shale, gray-tan, reddish tan, bright tan, chunky, blocky, dolomitic; grades to shaley Dolomite - Oil Shale.
- 1950-2000 Sandstone, very fine grained, light gray, grayish white, clear quartz grains, sub-rounded to sub-angular, good sorting - cavings? Streaks Shale, as above - Oil Shale.
- 2000-2100 Shale, reddish tan, gray-tan, platy, chunky, dolomitic; grades to shaley Dolomite - Oil Shale.
- 2100-2200 Shale, brown, gray-brown, reddish brown, chunky, sub-platy, dolomitic; grades to shaley Dolomite - Oil Shale.
- 2200-2300 Shale, dark reddish brown, brown, occasionally tan, chunky, platy, dolomitic; grades to shaley Dolomite - Oil Shale; abundant Sandstone, primarily loose quartz

grains, light gray, clear, sub-rounded to sub-angular, good sorting - cavings?

- 2300-2400 Shale, reddish brown, reddish tan, brown, chunky, dolomitic; grades to Marl - Oil Shale.
- 2400-2450 Shale, reddish tan, brown, gray-brown, chunky, sub-platy, dolomitic; grades to Marl - Oil Shale.
- 2450-2550 Shale, brown, gray-brown, reddish brown, reddish tan, chunky, platy, dolomitic; grades to Marl - Oil Shale.
- 2550-2650 Shale, dark brown, brown, blocky, brittle, very dolomitic - Oil Shale; @ 2600 streaks Shale, reddish tan, lumpy, dolomitic and limey - Oil Shale.
- 2650-2700 Shale, pale gray-green, blocky, silty, dolomitic; streaks Dolomite, crypto-microcrystalline, tan, shaley; grades to Marl - Oil Shale.
- 2700-2750 Shale, dark brown, reddish brown, chunky, dolomitic; grades to Marl - Oil Shale.

HORSE BENCH SAND 2754 (+2276)

- 2750-2850 Shale, as above - Oil Shale; streaks Shale, gray, gray-green, sub-platy, dolomitic, very silty in part; @ 2800 streaks Siltstone-very fine grained Sandstone, light gray, good sorting, argillaceous, appears tight, no show.
- 2850-2900 Shale, tan, reddish tan, dolomitic, limey streaks; grades to shaley Dolomite - Oil Shale; trace Shale, black, soft petroliferous.
- 2900-2950 Dolomite, cryptocrystalline, brown, reddish tan, argillaceous, limey in part; sample is primarily heavy black oil - no fluorescence to faint spotty dull greenish fluorescence, instant strong yellow-yellow-brown cut; some clear and white calcite crystals suggesting fracturing; trace loose quartz grains.
- 2950-3100 Dolomite, crystalline-cryptocrystalline, tan-light brown, dark brown, argillaceous, dense, no porosity; chips commonly coated with dark brownish black stain, primarily no fluorescence, occasionally scattered dull yellow fluorescence with greenish cast, instant light whitish yellow cut; scattered calcite crystals, as above.
- 3100-3250 Shale, dark gray-brown, dark brown, reddish brown, chunky, sub-platy, grades to Marl; streaks Dolomite, cryptocrystalline, tan; grades to Shale; chips

frequent; u coated with dark brown stain, scattered dull yellow fluorescence, spotty light yellow fluorescence, fairly strong instant light yellow cut.

- 3250-3350 Shale, dark gray-brown, tan, light brown, chunky, blocky, grades to Marl; brown stain on numerous chips, as above, no fluorescence, instant bright whitish yellow cut.
- 3350-3450 Sandstone, very fine-fine grained, light grayish white, primarily loose quartz grains, well sorted, sub-angular, no show; Shale, dark gray-green, chunky, silty; @ 3400 increased Shale, as above.
- 3450-3500 Dolomite, cryptocrystalline, tan, light reddish tan, argillaceous to shaley; grades to Marl - Oil Shale; Shale, gray-tan, brown, platy, dolomitic; grades to Marl; occasional streaks Sandstone, as above.
- 3500-3550 Dolomite and Shale, as above - Oil Shale; streaks Shale, gray-tan, gray-green, platy, smooth, dolomitic; trace Shale, black, chunky, petroliferous - Oil Shale.
- 3550-3600 Shale, light green, gray, chunky, very silty; influx Siltstone, occasionally grades to very fine grained Sandstone, light gray, grayish white, fair-good sorting, argillaceous to shaley, appears tight, no show - cavings? Streaks Dolomite, as above.
- 3600-3650 Sandstone, very fine grained, light gray, clear quartz grains, good sorting, sub-angular to sub-rounded, no show; streaks Shale and Dolomite, cryptocrystalline, tan, argillaceous, as above - Oil Shale.
- 3650-3700 Shale, light to medium gray, gray-green, gray-tan, sub-waxy, silty in part; streaks Siltstone, light gray, argillaceous, calcareous; loose quartz grains, as above; streaks Shale, dark reddish brown, chunky, dolomitic - Oil Shale.
- 3700-3750 Shale, brown, reddish brown, black, dolomitic, limey streaks; grades to Marl - Oil Shale.
- 3750-3800 Dolomite, bright tan, reddish tan, chunky, argillaceous, limey; grades to Marl - Oil Shale; Shale, as above.
- 3800-3850 Shale, tan, cream, limey; grades to Marl - Oil Shale; streaks Sandstone, very fine grained, light gray-tan, good sorting, moderately calcareous, no visible porosity, no show; streaks Shale, as above.
- 3850-3950 Shale, reddish tan, dark brown, blocky, very dolomitic;

grades to a Marl - Oil Shale; streaks Limestone, cryptocrystalline, tan, cream, earthy, argillaceous; @ 3900 streaks Shale, gray, gray-green, waxy.

3950-4000 Shale, light gray-gray, chunky, very silty; grades to argillaceous Siltstone; streaks Sandstone, very fine grained, clear, white, loose quartz grains, fair sorting, sub-rounded.

4000-4100 Shale, light gray, gray-green, silty, slightly calcareous; Siltstone, as above; @ 4050 influx Shale, bright tan, gray, dolomitic in part; grades to Marl.

4100-4200 Limestone, cryptocrystalline, tan, cream, earthy, argillaceous; Shale, dark brown, gray-brown, light-medium gray, calcareous in part; @ 4150 increased Limestone, as above.

4200-4300 Shale, light gray-green, sub-waxy, silty, slightly calcareous, occasionally very silty; streaks Siltstone, light gray-green, argillaceous, calcareous.

2nd GARDEN GULCH 4298 (+732)

4300-4350 Dolomite, crypto-microcrystalline, tan, cream, argillaceous, limey in part - Oil Shale; streaks Sandstone, very fine-fine grained, clear, white, loose quartz grains, sub-angular, good sorting, no fluorescence, instant whitish yellow cut.

4350-4400 Dolomite, as above; grades to dolomitic Limestone; streaks Sandstone, as above; scattered gold fluorescence, cut, as above; increased Shale, gray-green, sub-waxy, silty.

4400-4440 Shale, pale green, pale gray, platy, slightly calcareous, pyritic; streaks Limestone, cryptocrystalline, brown, tan, earthy in part, argillaceous - grades to Marl; trace Siltstone, light gray, argillaceous, calcareous; @ 4420 streaks Siltstone-very fine grained Sandstone, light grayish white, argillaceous, calcareous, tight.

4440-4460 Shale, medium gray, gray-tan, platy, chunky, silty; streaks Limestone, as above.

4460-4480 Limestone, micro-cryptocrystalline, tan, brown, reddish brown, dolomitic, very argillaceous; streaks Shale, as above.

4480-4500 Shale, pale gray, gray-tan, platy, sub-waxy, silty; streaks Siltstone, light gray-white, argillaceous, calcareous; Limestone, as above.

- 4500-4520 Shale, pale gray, gray, platy, occasionally calcareous and silty.
- 4520-4560 Shale, gray-brown, brown, platy, slightly carbonaceous; @ 4540 streaks Shale, pale-medium gray, platy; influx Shale, reddish tan, reddish brown, blocky, chunky, dolomitic, limey streaks.
- 4560-4600 Shale, reddish tan, reddish brown, chunky, dolomitic, limey streaks; Shale, medium gray, pale gray-green, platy, silty; trace Sandstone, very fine grained, white, silty, good sorting, calcareous, no show; @ 4580 slight increased Shale, gray-green, platy, sub-waxy.
- 4600-4660 Shale, green, light gray-gray, platy, chunky, very silty in part; Shale, as above; @ 4640 slight increased Shale, gray, gray-green, platy, silty, calcareous in part.
- Y-3 SAND 4664 (+366)
- 4660-4680 Siltstone-very fine grained Sandstone, tan, light brown, good sorting, sub-angular, friable, streaks poor-fair porosity; scattered tan and brown oil stain, scattered light yellow-yellow fluorescence with greenish cast, instant strong flashing light yellow cut; Shale, as above.
- 4680-4700 Shale, brown, gray-brown, chunky, silty, slightly carbonaceous.
- 4700-4740 Shale, reddish brown, brown, blocky, platy, dolomitic, moderately calcareous; occasional streaks Shale, pale gray, gray-green, platy, waxy; @ 4720 trace Siltstone-very fine grained Sandstone, light grayish white, calcareous, argillaceous, tight.
- 4740-4760 Shale, light-medium gray, gray-tan, platy, waxy; influx Shale, brown, dark brown, chunky, silty.
- 4760-4780 Shale, dark gray-brown, dark brown, dark gray, platy, carbonaceous, soft; trace Lignite.
- 4780-4800 Shale, pale-medium gray, platy, waxy; streaks Shale, reddish tan and brown, blocky, chunky, dolomitic, limey in part.
- 4800-4820 Shale, as above; streaks Sandstone, very fine grained, white, silty, good sorting, calcareous, tight, no show.
- 4820-4860 Shale, light-medium gray, platy, chunky, sub-waxy; streaks Shale, reddish tan, blocky, chunky, moderately calcareous, limey streaks; trace Siltstone-very fine

grained Sandstone, as above; @ 4840 occasional streaks Sandstone, very fine grained, light gray, gray, fair sorting, calcareous, tight.

- 4860-4880 Shale, light-medium gray, platy, sub-waxy; Shale, reddish tan, dolomitic, limey streaks; occasional streaks Sandstone, very fine grained, white, calcareous, appears tight.
- 4880-4900 Shale, brown, gray-brown, platy, carbonaceous streaks; trace lighitic Shale.

YELLOW MARKER 4904 (+126)

- 4900-4920 Shale, light-medium gray, platy; Shale, as above; trace Sandstone, very fine grained, light gray, white fair-good sorting, occasionally fine-medium grained, poorly sorted, slightly calcareous, clay cement, appears tight, no stain, trace dull yellow fluorescence, slow weak light yellow cut.
- 4920-4980 Shale, reddish tan, blocky, limey and dolomitic; Shale, as above; occasional streaks Sandstone, as above, no show.
- 4980-5040 Shale, medium gray, pale gray, platy, waxy; streaks Shale, as above; @ 5000 occasional streaks Siltstone-very fine grained Sandstone, light grayish white, sub-angular, good sorting, argillaceous, calcareous, no show; @ 5020 streaks Shale, reddish tan, blocky, limey.
- 5040-5080 Shale, black, dark brown, chunky, platy, lignitic, carbonaceous, silty in part.

DOUGLAS CREEK 5072 (-42)

- 5080-5100 Shale, pale-medium gray, platy; streaks Shale, reddish tan and brown, blocky, chunky, dolomitic, limey streaks; trace Siltstone-very fine grained Sandstone, light gray-white, sub-rounded, good sorting, slightly calcareous, tight.
- 5100-5120 Shale, light-medium gray, platy, sub-waxy; abundant Shale, reddish tan and brown, blocky, chunky, dolomitic, limey streaks.
- 5120-5140 Shale, as above; trace Siltstone-very fine grained Sandstone, white, light gray, slightly calcareous, tight.
- 5140-5180 Shale, reddish tan and brown, blocky, dolomitic, limey streaks; streaks Limestone, earthy, cream, tan, argillaceous.

R-3 SAND 5194 (-164)

- 5180-5200 Shale, as above; influx Shale, gray-green, medium gray, platy; trace Sandstone, very fine grained, white, light gray, fair sorting, sub-angular, slightly calcareous, clay cement, appears tight; trace questionable tan stain, dull yellow to yellow fluorescence, fairly rapid light yellow cut.
- 5200-5220 Shale, light-medium gray, platy; Shale, reddish tan and brown, chunky, blocky, dolomitic and limey; trace Siltstone-very fine grained Sandstone, light gray, argillaceous, tan, slightly calcareous, appears tight, possible poor streaks porosity; trace questionable tan, gray-tan stain, dull yellow fluorescence, fairly slow light yellow cut.
- 5220-5260 Shale, as above; slight increased Siltstone-very fine grained Sandstone, light grayish white, calcareous, argillaceous, tight, no show.

R-5 SAND 5262 (-232)

- 5260-5280 Shale, as above; abundant Shale, reddish tan and brown, blocky, chunky, dolomitic and limey; trace Siltstone, as above; trace Sandstone, very fine grained, light gray-tan, good sorting, primarily loose quartz grains; light tan stain, bright light yellow fluorescence, slow steady light yellow cut, one cluster yielded instant strong bright light yellow cut.
- 5280-5300 Shale, reddish tan and brown, chunky, dolomitic, limey streaks; streaks Shale, green, medium gray, platy, chunky, silty; streaks Siltstone-very fine grained Sandstone, light gray, gray-tan, argillaceous, calcareous, appears tight; rare stain, fluorescence and cut, as above.
- 5300-5320 Siltstone-very fine grained Sandstone, tan, gray-green, gray-brown, argillaceous, appears tight; trace gray-brown stain, no fluorescence to dull yellow fairly slow weak light yellow cut; Shale, as above, becomes very silty and sandy in part.
- 5320-5360 Shale, dark brown, gray-brown, chunky, silty, carbonaceous; streaks Shale, medium gray, platy, calcareous; Shale, as above.
- 2nd DOUGLAS CREEK 5352 (-322)
- 5360-5380 Shale, dark gray, platy, chunky, very silty in part; Shale, reddish tan, blocky, limey; occasional streaks Siltstone, light gray-tan, argillaceous, calcareous.

- 5380-5400 Shale, light-medium gray, platy; streaks Limestone, microcrystalline, reddish tan, silty and argillaceous; increased Siltstone, light gray-brown, gray, argillaceous, calcareous.
- 5400-5440 Shale, light-medium gray, brown, dark gray, platy, chunky, silty in part, calcareous, limey streaks; trace Siltstone, as above; trace Sandstone, very fine-fine grained, white, sub-angular, fair sorting, scattered black accessory grains, silica cement, tight; @ 5420 Shale becomes very silty in part.
- 5440-5480 Shale, as above; streaks Siltstone, brown, gray-brown, argillaceous, calcareous.
- 5480-5500 Shale, gray-green, gray, dark gray to black, brown, silty streaks, occasionally very silty, moderately calcareous, limey in part.
- GREEN MARKER 5510 (-480)
- 5500-5540 Shale, light-medium gray, gray-brown, moderately calcareous, silty in part; streaks Shale, reddish tan, blocky, dolomitic, calcareous, limey streaks.
- 5540-5560 Shale, gray-brown, gray-tan, medium gray, platy, silty, calcareous; streaks Limestone, cryptocrystalline, tan, earthy, very silty.
- 5560-5600 Shale, light-medium gray, gray-green, platy, calcareous, limey, very silty in part; increased Siltstone-very fine grained Sandstone, light gray, green, argillaceous, calcareous, clay cement in part, no show; influx Shale, reddish tan, brown, blocky, dolomitic.
- 5600-5620 Shale, light gray to gray, platy, calcareous; streaks Siltstone-very fine grained Sandstone, light gray, clear quartz grains, gray-tan, fair-good sorting, calcareous, no show; one cluster spotty gray-brown stain, dull yellow fluorescence, slow whitish yellow cut; influx Shale, reddish tan, blocky, chunky, dolomitic, limey.
- 5620-5640 Shale, as above; increased Shale, dark gray-green, chunky, waxy, silty in part.
- 5640-5680 Shale, black, dark gray-brown, dark brown, chunky, silty, carbonaceous.
- 5680-5700 Shale, pale-medium green, gray, platy, calcareous; streaks Siltstone, white, light gray, gray-brown, calcareous; Shale, reddish tan, chunky, sub-platy, dolomitic, limey streaks.

- 5700-5740 Shale, as above; increased Sandstone, very fine grained, occasionally fine grained, light gray, white, fair sorting, appears tight, no show.
- 5740-5760 Shale, medium gray, green, platy, chunky, very silty in part; streaks Limestone, earthy, tan, argillaceous; streaks Sandstone, very fine-fine grained, white, light grayish white, greenish cast, fair-poor sorting, sub-angular, clay cement, appears tight, no show.
- 5760-5780 Shale, gray-green, green, very sandy and silty in part; occasional streaks Sandstone, as above.

BLACK SHALE FACIES 5772 (-742)

- 5780-5800 Shale, black, platy, carbonaceous, slightly calcareous in part, carbonaceous.
- 5800-5840 Shale, as above; influx Shale, light-medium gray, gray-tan, brown, dark gray, platy, chunky, silty - cavings? Very poor sample - bit trip.
- 5840-5900 Shale, black, dark gray-brown, platy, flaky, carbonaceous, soft.

CARBONATE MARKER 5906 (-876)

- 5900-5940 Shale, gray-tan, reddish tan, gray-green, platy, chunky, calcareous, waxy in part; streaks Shale, cream, light gray, moderately calcareous, soft, bentonitic; streaks Limestone, cryptocrystalline, micro-sucrosic, tan, earthy, dolomitic.
- 5940-5960 Shale, as above; slight increased Shale, cream, pale gray, calcareous, soft; streaks Siltstone, light gray, gray-tan, calcareous, argillaceous, tight; trace spotty brown stain, no fluorescence to faint dull yellow fluorescence, instant light yellow cut in cholorthane, good light yellow cut - contamination.

B-1 SAND 5971 (-941)

- 5960-5980 Sandstone, very fine-fine grained, clear quartz grains, poor-fair sorting, sub-angular, contact silica cement, friable in part, poor-fair porosity; spotty light brown to dark brown-black stain, light bluish white fluorescence - dissipates rapidly to light yellow-yellow fluorescence, fairly rapid strong light yellow cut, a few slow weak cuts; Shale, as above.
- 5980-6000 Sandstone, as above; stain, fluorescence and cut, as above; increased oil in samples; Shale, gray, gray-tan, waxy, silty in part.

- 6000-6020 Sandstone, very fine grained, light grayish white, occasionally fine grained, clear quartz grains, sub-rounded to sub-angular, fair-good sorting, silica cement, few clusters with spotty brown, gray-brown stain, scattered dull yellow fluorescence, whitish yellow cut; streaks Shale, reddish tan, chunky, dolomitic, limey in part; streaks Shale, gray, gray-tan, waxy, silty in part.
- 6020-6040 Shale, reddish tan, brown, blocky, chunky, dolomitic, limey streaks; Shale, gray-brown, medium gray, gray-green.
- 6040-6060 Shale, medium-dark gray, platy; streaks Siltstone-very fine grained Sandstone, light grayish white, fair-good sorting, sub-rounded, contact silica cement, appears tight; few clusters with brown stain dull yellow fluorescence, fair whitish yellow cut; possibly contaminated by oil in samples; abundant Shale, reddish tan, reddish brown, blocky, chunky, dolomitic.
- 6060-6080 Shale, reddish tan, chunky, dolomitic; Shale, green, gray-green, dark gray, platy, very silty in part; streaks Siltstone-very fine grained Sandstone, light gray-tan, light gray, slightly calcareous, tight.
- 6080-6100 Shale, as above.
- 6100-6120 Siltstone-very fine grained Sandstone, light gray, gray-tan, fair-good sorting, sub-angular, appears tight; few clusters with pale tan and dark gray stain, faint dull yellow fluorescence, slow weak whitish yellow cut; abundant Shale, reddish tan, gray-green, chunky, free oil common in sample.
- 6120-6140 Shale, as above.
- 6140-6160 Shale, reddish tan, chunky, lumpy, silty, limey; streaks Limestone, black, blocky, shaley, petro-liferous, appears tight; no fluorescence, slow light yellow cut; streaks Sandstone, very fine-fine grained, light grayish white, tan, fair-good sorting, sub-angular to sub-rounded, appears primarily tight, streaks poor porosity; scattered tan, light grayish brown stain, bluish white to yellow fluorescence with greenish cast, fairly rapid bluish white cut.
- 6160-6180 Shale, black, dark gray, blocky, platy, limey; Shale, gray-green, chunky, silty.
- 6180-6200 Shale, reddish tan, chunky, lumpy, limey; Shale, gray, gray-green, platy, splintery; influx Sandstone, very fine grained, light grayish white, silty, fair-good

sorting, sub-angular, calcite and clay cement, no show.

6200-6225 Shale, as above; streaks Siltstone-very fine grained  
Sandstone, light grayish white, gray-tan, fair-good  
sorting, appears tight, possible poor porosity, no  
show.

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

5. Lease Designation and Serial No.  
 U-67845

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

7. If Unit or CA, Agreement Designation  
 n/a

8. Well Name and No.  
 Balcron Monument Federal #31-25

9. API Well No.  
 43-047-32530

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

11. County or Parish, State  
 Uintah 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: NW NE Section 25, T8S, R17E  
 TD: 660' FNL & 1980 FEL

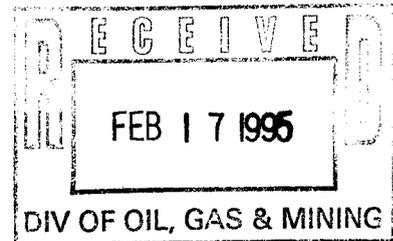
**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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
	<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

Onshore Order #7 (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

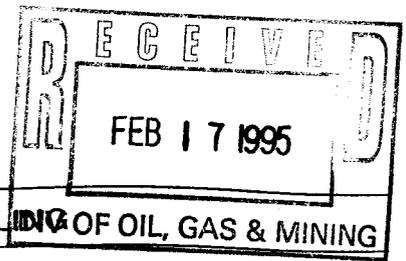
Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 2-16-95  
 (This space for Federal or State office use)

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



REPORT OF WATER ENCOUNTERED DURING DRILLING OF OIL, GAS & MINING

1. Well name and number: Balcron Monument Federal #31-25

API number: 43-047-32530

2. Well Location: QQ NW NE Section 25 Township 8S Range 17E County Uintah

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

Address: 1601 Lewis Avenue  
Billings MT 59102

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: 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: 2-16-94

Name & Signature: Bobbie Schuman *Bobbie Schuman*

Title: Regulatory and Environmental Specialist

**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: NW NE Section 25, T8S, R17E  
 TD: 660' FNL & 1980' FEL

5. Lease Designation and Serial No.  
 U-67845

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

7. If Unit or CA, Agreement Designation  
 n/a

8. Well Name and No.  
 Balcron Monument Federal #31-25

9. API Well No.  
 43-047-32530

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

11. County or Parish, State  
 Uintah County, Utah

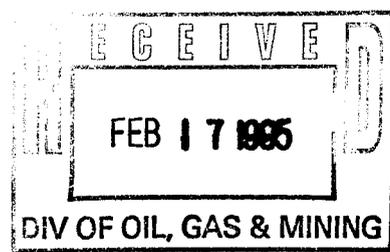
**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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 Site Security Diagram
	<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

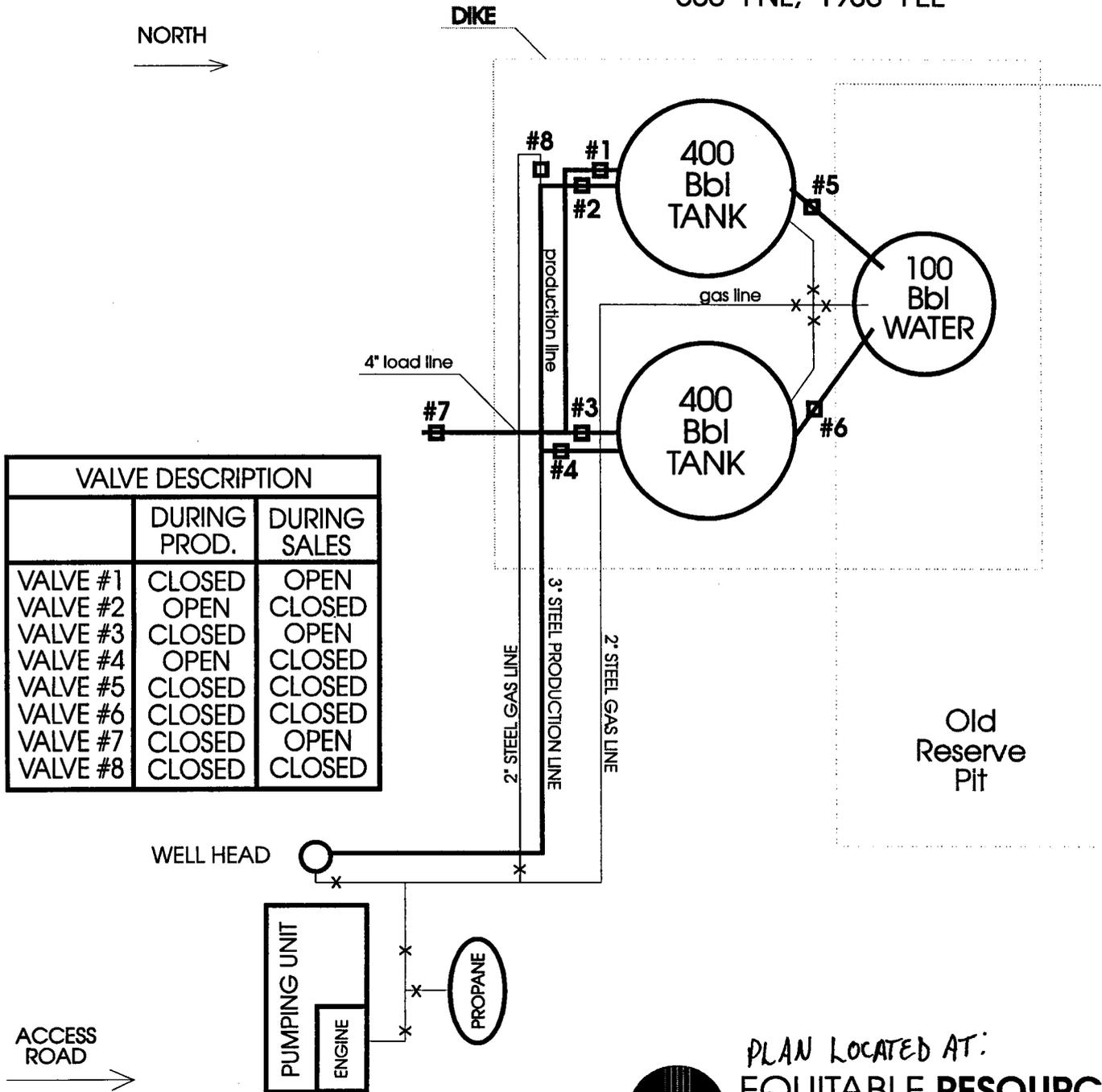
Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 2-16-95

(This space for Federal or State office use)

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

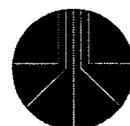
# Equitable Resources Energy Company Balcron Monument Federal 31-25 Production Facility Diagram

Balcron Monument Federal 31-25  
NW NE Sec. 25, T8S, R17E  
Uintah County, Utah  
Federal Lease #U-67845  
660' FNL, 1980' FEL



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

ACCESS ROAD →



2/16/95

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

DIAGRAM NOT TO SCALE

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. RESVR.  Other

**CONFIDENTIAL**

2. NAME OF OPERATOR  
Equitable Resources Energy Company, Balcron Oil Division  
 3. ADDRESS OF OPERATOR  
1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860  
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 660' FNL & 1980' FFL  
 At top prod. interval reported below  
 At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
U-67845  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a  
 7. UNIT AGREEMENT NAME  
n/a  
 8. FARM OR LEASE NAME  
Balcron Monument Federal  
 9. WELL NO.  
#31-25  
 10. FIELD AND POOL, OR WILDCAT  
Monument Butte/Green River  
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
NW NE Section 25, T8S, R17E

14. PERMIT NO. 43-047-32530 DATE ISSUED 9-13-94  
 15. DATE SPUDDED 12-8-94 16. DATE T.D. REACHED 12-17-94 17. DATE COMPL. (Ready to prod.) 1-20-95 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\* 5020.3' GL 19. ELEV. CASINGHEAD n/a  
 20. TOTAL DEPTH, MD & TVD 6226' 21. PLUG, BACK T.D., MD & TVD 6180.89' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY → Sfc - TD 24. ROTARY TOOLS n/a  
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5272' - 5978' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
SDI/DSN/GR DLL CBL MWD 12-94 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#	315'	12-1/4"	200 sxs "G" w/Additives	None
5-1/2"	17#	6221'	7-7/8"	178 sxs Super "G" w/additives	None
				426 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"	6051.68'	n/a

31. PERFORATION RECORD (Interval, size and number)

5972'-5978' (4 SPF)
5272'-5278' (4 SPF)
5283'-5285' (4 SPF)
5294'-5304' (4 SPF)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
PLEASE SEE ATTACHMENT.	

33.\* PRODUCTION

DATE FIRST PRODUCTION 1-20-95 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	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-12-95	24	n/a	→	149.84	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	→	149.84	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  
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 2-16-95

\*(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):

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 #31-25  
NW NE Section 25, T8S, R17E  
Uintah County, Utah

Attachment to completion report.

INTERVAL

Amount and Kind of Material Used

5972' - 5978'

500 gallons 15% HCL and 1638 gallons 2% KCL water.  
Frac with 23,940# 20/40 mesh sand and 16,200# 16/30 mesh sand w/14,322 gallons 2% KCL gelled water.

5272' - 5304'

3406 gallons 2% KCL water.  
Frac with 55,540# 20/40 mesh sand and 57,380# 16/30 mesh sand w/29,232 gallons 2% KCL gelled water.

/mc

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Form 3160-5  
June 1990)

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-67845

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

7. If Unit or CA, Agreement Designation  
n/a

8. Well Name and No.  
Balcron Monument Fed. 31-25

9. API Well No.  
43-047-32530

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

11. County or Parish, State  
Uintah County, UT

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.  
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NW NE Section 25, T8S, R17E.  
660' FNL, 1980' FSL

12. CHECK APPROPRIATE BOX(es) 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>incident-oil spill</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

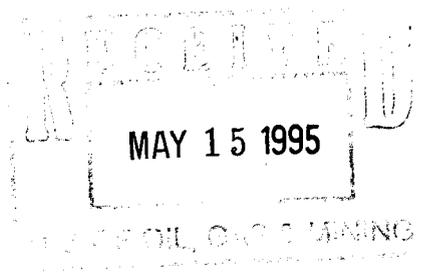
(Note: Report results of multiple recompletion on Well Completion or Recompletion Report and Log form.)

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.)\*

At approximately 12:30 p.m. 5/15/95 a production tank on this well blew<sup>up</sup> causing a spill of approximately 20 BO. This was scattered across location but all remained on location. Cause is being determined and cleanup will begin 5/16/95. Location was unmanned and there were no injuries.

Notification made by FAX and mail to:

Bureau of Land Management, Vernal District  
Utah Division of Oil, Gas and Mining (Jim Thompson)\*



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

Signed Dobbie Schuman Title Regulatory and Environmental Specialist Date May 15, 1995

(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**

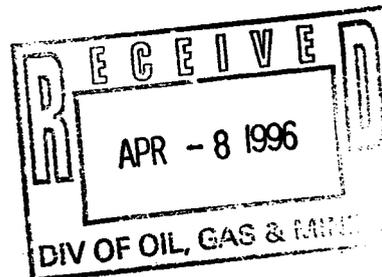
**BALCRON OIL DIVISION**

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.

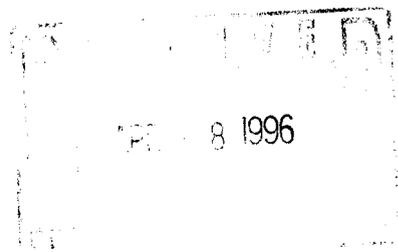
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: See attached listing	5. Lease Designation and Serial Number: See attached listing
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name: n/a
3. Address and Telephone Number: 1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860	7. Unit Agreement Name: See attached listing
4. Location of Well Footages: See attached listing	8. Well Name and Number: See attached listing
OO, Sec., T., R., M.:	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)	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 type="checkbox"/> Other _____	<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>Operator name change</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 _____
	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-LEW 7-SJ
2-DIV 58-FILE
3-VLD (GTL) 2/28
4-RJE
5-IEA
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>047-32530</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) Seleo 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. *4/26/96*
- DTS* 2. Copies of documents have been sent to State Lands for changes involving State leases. *Sent to Ed Bonner - Trust Lands*

FILMING

*Yes* 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"*

**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)
✓ BALCRON FEDERAL 31-5Y 4304732503 11680 09S 18E 5	GRRV					
✓ BALCRON MONUMENT FEDERAL 21-25 4304732528 11683 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 12-25 4304732526 11694 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 32-25 4304732524 11707 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 31-25 4304732530 11710 08S 17E 25	GRRV					
✓ BALCRON FEDERAL 12-22Y 91331476 11717 08S 17E 22	GRRV					
✓ BALCRON MONUMENT FEDERAL 33-25 4304732525 11729 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 23-25 4304732529 11730 08S 17E 25	GRRV					
✓ BALCRON MONUMENT STATE 24-2 4304732612 11736 09S 17E 2	GRRV					
✓ BALCRON MONUMENT STATE 13-2 4301331482 11738 09S 17E 2	GRRV					
✓ BALCRON MONUMENT STATE 22-2 4304732610 11742 09S 17E 2	GRRV					
✓ BALCRON MONUMENT STATE 12-2 4301331481 11745 09S 17E 2	GRRV					
✓ BALCRON FEDERAL 31-19Y 4304732614 11751 09S 18E 19	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. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #14-15	Monument Butte	SW SW	15	9S	16E	Duchesne	UT	PND	Green River	U-017985	43-013-31381	772' FSL, 543' FWL	Vernal	
Balcron Monument Fed. #14-26	Monument Butte	SW SW	26	8S	16E	Duchesne	UT	PND	Green River	U-34346	43-013-31512	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #14-3-9-17Y	Monument Butte	SW SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31535	671' FSL, 792' FWL	Vernal	
Balcron Monument Fed. #14-4	Monument Butte	SW SW	4	9S	16E	Duchesne	UT	PND	Green River	U-73086	43-013-31430	719' FSL, 607' FWL	Vernal	
Balcron Monument Fed. #14-5	Monument Butte	SW SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020250	43-013-31385	556' FSL, 517' FWL	Vernal	Jonah
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-10-9-17Y	Monument Butte	NE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31537	807' FNL, 2120' FWL	Vernal	
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31421	518' FNL, 1850' FWL	Vernal	Jonah
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #21-25	Undesignated	NE NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32528	748' FNL, 1964' FWL	Vernal	
Balcron Monument Fed. #22-12J	Monument Butte	SE NW	12	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15796	2018' FNL, 2099' FWL	Vernal	Jonah
Balcron Monument Fed. #22-14J	Monument Butte	SE NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31489	2134' FNL, 2198' FWL	Vernal	Jonah
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #22-20-9-18Y	Monument Butte	SE NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32711	1980' FNL, 1980' FWL	Vernal	
Balcron Monument Fed. #22-22-8-17Y	Monument Butte	SE NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-67845	43-013-31538	1945' FNL, 2030' FWL	Vernal	
Balcron Monument Fed. #22-5	Monument Butte	SE NW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31384	1853' FNL, 1980' FWL	Vernal	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Vernal	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Vernal	Jonah
Balcron Monument Fed. #23-24-8-17		NE SW	24	8S	17E	Uintah	UT	PND	Green River				Vernal	
Balcron Monument Fed. #23-25	Undesignated	NE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32529	1927' FSL, 2139' FWL	Vernal	
Balcron Monument Fed. #23-5	Monument Butte	NE SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-31383	1816' FSL, 2057' FWL	Vernal	Jonah
Balcron Monument Fed. #24-12J	Monument Butte	SE SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-31409	539' FSL, 1777' FWL	Vernal	Jonah
Balcron Monument Fed. #24-25	Undesignated	SE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32669	653' FSL, 2028' FWL	Vernal	
Balcron Monument Fed. #24-5	Monument Butte	SE SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31375	765' FSL, 2243' FWL	Vernal	Jonah
Balcron Monument Fed. #24-6	Monument Butte	SE SW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31363	504' FSL, 1613' FWL	Vernal	Jonah
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #31-1J	Monument Butte	NW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31413	660' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #31-25	Undesignated	NW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32530	660' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #31-7J	Monument Butte	NW NE	7	9S	17E	Duchesne	UT	WIW	Green River	U-44426	43-013-31405	831' FNL, 1782' FEL	Vernal	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Vernal	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521	43-013-31419	1805' FNL, 2139' FEL	Vernal	Jonah
Balcron Monument Fed. #32-14J	Monument Butte	SW NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31490	1980' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Vernal	Jonah
Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31465	1880' FNL, 1980' FEL	Vernal	Beluga

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

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

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

County:

OO, Sec., T., R., M.:

State:

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 10 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ HENDEL FEDERAL #1-17	NENW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30059-00	UTU017991	
✓ HENDEL FEDERAL #3-17	SWNW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30074-00	UTU017991	
PARIETTE BENCH #4 (SWD)	SWSE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15681-00	UTU017992	8910069630
✓ PARIETTE BENCH FEDER #14-5	SWSW 5 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31123-00	UTU017992	
✓ PARIETTE BENCH FEDER #41-7	NENE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31584-00		8910069630
✓ PARIETTE BENCH FEDER #32-6	SWNE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31554-00	UTU50385	
✓ PARIETTE BENCH FEDER #43-6	NESE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31616-00	UTU017992	
✓ PARIETTE BENCH UNIT #2	SWNE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15680-00		8910069630
✓ <del>FEDERAL #22-25</del>	SE NW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32008-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #24-25	SE SW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32669-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #34-25	SW SE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32670-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #21-25	NENW 258S 17E	DUCHESNE	UT	UNDESIGNATED (H)	43-047-32528-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #12-25	SWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32526-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #23-25	NESW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32529-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #31-25	NWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32530-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #32-25	SWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32524-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #33-25	NWSE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32525-00	UTU67845	UTU76189X
✓ MONUMENT FEDERAL #11-25	NWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32455-00	UTU67845	UTU76189X
✓ PARIETTE DRAW FED. #8-23	SE NE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32676-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #9-23	NESE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-31543-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #12-24	SWNW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32713-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #13-24	NWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32546-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #14-24	SWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32645-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #23-24-8-17	NE SW 248S 17E	UINTAH	UT	MONUMENT BUTTE (H)	43-047-32710-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #24-24	SESW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32646-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #34-24	SWSE 248S R17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32506-00	UTU45431	UTU76189X



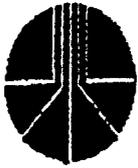
Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

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.



# 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

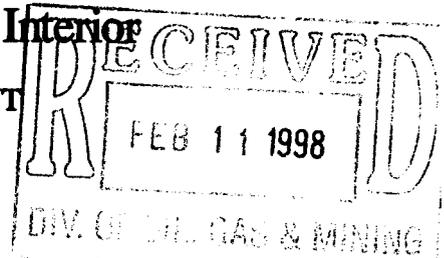
/mc



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

February 10, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Humpback (Green River) Unit  
Uintah County, Utah

Gentlemen:

On February 10, 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 Humpback (Green River) Unit, Uintah 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 February 10, 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 Humpback (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Humpback (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 - Humpback (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron/Fluid Chron

U-931:TAThompson:tt:2/10/98

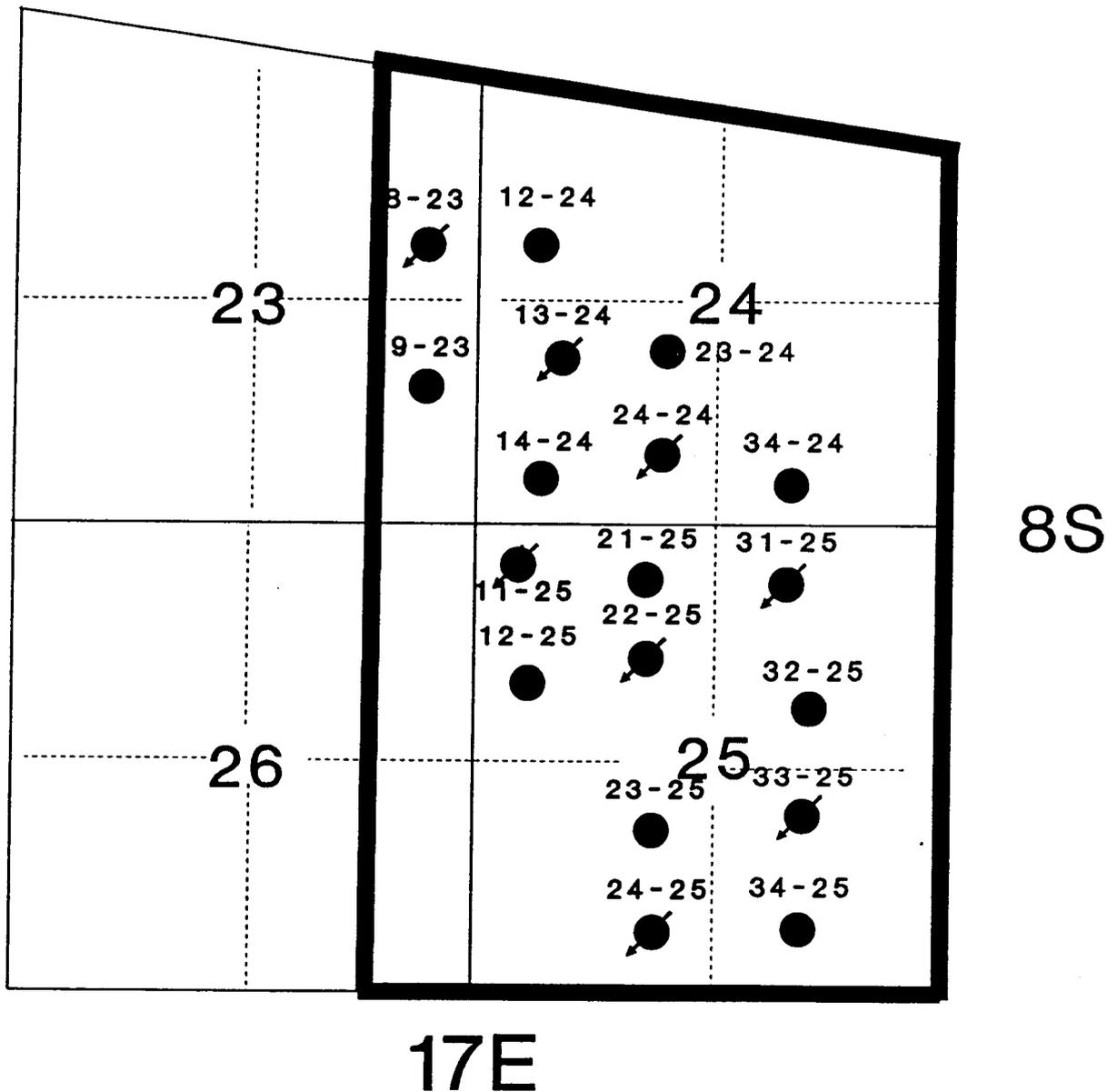
Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator	
** Inspection Item: UTU76189X									
UTU67845	4304732455	11-25	NWNW	25	T	8S	R17E	OSI	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732713	12-24	SWNW	24	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732526	12-25	SWNW	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732645	14-24	SWSW	24	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732528	21-25	NENW	25	T	8S	R17E	OSI	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732008	22-25 FEDERAL	SEW	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732529	23-25	NESW	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732646	24-24	SESW	24	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732669	24-25	SESW	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732530	31-25 FEDERAL	NWNE	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732524	32-25 MONUMENT BUTTE	SWNE	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732525	33-25	NWSE	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732506	34-24	SWSE	24	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732670	34-25	SWSE	25	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304731543	9-23 PARIETTE DRAW	NESE	23	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732676	PARIETTE DRAW 8-23	SENE	23	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732546	PARIETTE FED 13-24	NWSW	24	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732710	PARIETTE FED 23-24	NESW	24	T	8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO

# HUMPBACK (GREEN RIVER) UNIT

## Uintah County, Utah

EFFECTIVE: JANUARY 1, 1997



— UNIT OUTLINE (UTU76189X)

1,468.47 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

**OPERATOR CHANGE WORKSHEET**

Routing	
1-LEC ✓	6-MS ✓
2-GLH ✓	7-KAS ✓
3-DTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

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'S</u>
Phone:	<u>(435) 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:

**HUMPBACK (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-047-32530</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**

- Rec 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)*
- Rec 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: \_\_\_\_\_
- Rec 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.
- Rec 5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(2-13-98)*
- Rec 6. **Cardex** file has been updated for each well listed above. *(2-18-98)*
- Rec 7. **Well file labels** have been updated for each well listed above. *(2-18-98)*
- Rec 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. *(2-13-98)*
- Rec 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**

- See* 1. (r649-8-7) 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.  
*12053 previously assigned "Humpback (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* 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- See* 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**

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.
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**

- ✓* 1. All attachments to this form have been microfilmed. Today's date: 3.20.98.

**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**

980211 BLM/SL Aprv. eff. 2-10-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

## 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): 12 / 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)
4304732529	MONUMENT FEDERAL 23-25	12053 08S 17E 25	GRRV			467845	Humpback (GP) Unit	
4304732530	MONUMENT FEDERAL 31-25	12053 08S 17E 25	GRRV			"	"	
4304732546	PARIETTE FEDERAL 13-24	12053 08S 17E 24	GRRV			445431	"	
4304732645	PARIETTE FEDERAL 14-24	12053 08S 17E 24	GRRV			"	"	
4304732646	PARIETTE FEDERAL 24-24	12053 08S 17E 24	GRRV			"	"	
4304732669	BALCRON MONUMENT FEDERAL 24-25	12053 08S 17E 25	GRRV			467845	"	
4304732670	BALCRON MONUMENT FEDERAL 34-25	12053 08S 17E 25	GRRV			"	"	
4304732676	PARIETTE DRAW FEDERAL 8-23	12053 08S 17E 23	GRRV			445431	"	
4304732710	PARIETTE FEDERAL 23-24	12053 08S 17E 24	GRRV			"	"	
4304732713	PARIETTE FEDERAL 12-24	12053 08S 17E 24	GRRV			"	"	
4301331723	MONUMENT FEDERAL 43-10-9-16	12065 09S 16E 10	GRRV					
4301331715	MONUMENT FEDERAL 34-31-8-16	12067 08S 16E 31	GRRV					
4301331722	MONUMENT FEDERAL 33-10-9-16	12087 09S 16E 10	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: \_\_\_\_\_

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-67845**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**HUMPBACK (GR RVR)**

8. Well Name and No.

**MONUMENT FEDERAL 31-25**

9. API Well No.

**43-047-32530**

10. Field and Pool, or Exploratory Area

**PARIETTE DRAW**

11. County or Parish, State

**UINTAH 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)

**0660 FNL 1980 FEL                      NW/NE Section 25, T08S R17E**

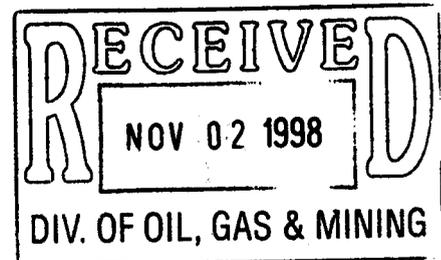
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Site Security</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 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

10/30/98

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

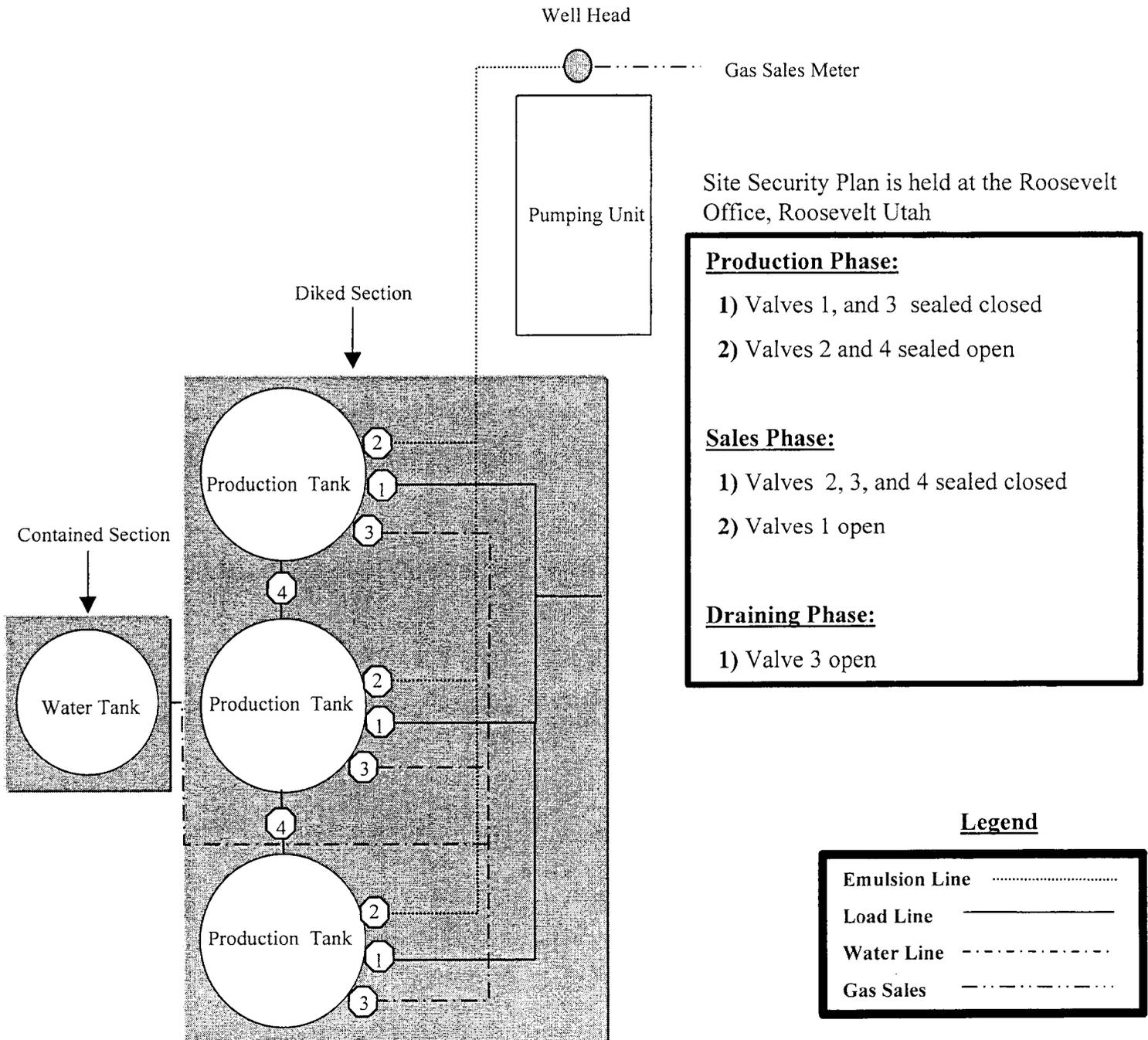
# Inland Production Company Site Facility Diagram

Monument Federal 31-25

NW/NE Sec. 25, T8S, 17E

Uintah County

Sept. 17, 1998





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
999 18<sup>TH</sup> STREET - SUITE 300  
DENVER, CO 80202-2466  
<http://www.epa.gov/region08>

JAN 22 2004

Ref: 8P-W-GW

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

Mr. David Gerbig  
Operations Engineer  
Inland Production Company  
1401 Seventeenth Street - Suite 1000  
Denver, CO 80202

RE: **180-Day Limited Authorization to Inject and  
Reduction of Injection Pressure**  
Balcron Monument Federal No. 23-25-8-17  
EPA Well Permit No. UT20852-04462  
NE SW Sec. 25 - T8S - R17E  
Uintah County, Utah

Dear Mr. Gerbig:

The Inland Production Company (Inland) submission of **Prior to Commencing Injection** documents on December 16, 2003, did not contain all information required to fulfill the Environmental Protection Agency's (EPA) **Prior to Commencing Injection** requirements, as cited in the **Authorization for an Additional Well to the Humpback Area Permit, Part II, Section C. Condition 2**. Missing from the required data was a Part II (External) Mechanical Integrity Test. The submitted data included an EPA Well Rework Form (Form No. 7520-12), a Part I (Internal) Mechanical Integrity Test, and the injection zone pore pressure. All submitted data was reviewed and approved by the EPA on December 18, 2003.

Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index through the confining zone overlying the Garden Gulch Member, **the operator is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within the 180-day "Limited Authorized Period"**. Approved tests for demonstrating Part II (External) MI include a Temperature Survey, a Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances. The "Limited Authorized Period" allows injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II MI, which is necessary because the proposed injection zone is under-pressured due to previous oil production from the zone, and the tests

RECEIVED  
JAN 26 2004

DIV. OF OIL, GAS & MINING



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rely on stable formation pressure. Results of a Part II MI test shall be submitted to Mr. Dan Jackson for review and approval. Following EPA approval of the Part II MI, the Ground Water Program Director will, by letter, authorize continuation of injection.

A copy of a Region 8 Guideline for conducting any Part II (External) Mechanical Integrity Test will be mailed to the operator upon written request.

The EPA is hereby authorizing injection into the Balcron Monument Federal No. 23-25-8-17 for a limited period of up to **one hundred and eighty (180) calendar days** effective upon receipt of this letter, herein referred to as the "Limited Authorized Period". The maximum surface injection pressure will be **995 psig**.

An initial maximum surface injection pressure (MSIP) not to exceed 1752 psig was determined October 8, 1998 for the Humpback Area Permit UT20852-00000. The Authorization for an Additional Well (September 28, 2000) Part II, Section C. Condition No. 5 limited the MSIP for the Balcron Monument Federal No. 23-25-8-17 to 1429 psig. The 1429 psig was predicated upon a sand/frac fracture gradient (FG) of 0.71 psi/ft and a top perforation of 5160 feet.

Between May 7, 2002 and December 4, 2003, Inland Production Company added new perforations (gross **4530 feet to 5108 feet**) within the previously authorized Garden Gulch-Douglas Creek-Basal Carbonate Members enhanced recovery injection interval, 3998 feet to 5899 feet. The EPA has recalculated the MSIP based upon a shallower injection perforation (**4530 feet**), and a new fracture gradient (FG) of **0.655 psi/ft**. The 0.655 psi/ft FG is the average of four (4) step-rate tests conducted in Section 25 - T8S - 17E. **The current authorized MSIP is 995 psig.**

$$\text{MSIP} = (\text{FG} - [0.433][\text{SG}]) D$$

$$\text{MSIP} = (0.655 - [0.433][1.005]) 4530 \text{ feet}$$

$$\text{MSIP} = \mathbf{995 \text{ psig.}}$$

Should the operator apply for an increase to the MSIP at any future date, another demonstration of Part II (External) MI must be conducted in addition to the step rate test. The operator must receive prior authorization from the Director in order to inject at pressures greater than the permitted MSIP during the test(s).

If you have any questions in regard to the above action, please contact Dan Jackson at 1.800.227.8917 (Ext. 6155). Results from the Temperature Log, or other Part II MI test, should be mailed directly to the **ATTENTION: DAN JACKSON**, at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



Sandra A. Stavnes  
Director  
Ground Water Program

cc: Ms. Maxine Natchees  
Chairwoman  
Uintah & Ouray Business Committee  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, UT 84026

Ms. Elaine Willie  
Environmental Director  
Ute Indian Tribe  
P.O. Box 460  
Fort Duchesne, UT 84026

Mr. Chester Mills  
Superintendent  
Bureau of Indian Affairs  
Uintah & Ouray Indian Agency  
P.O. Box 130  
Fort Duchesne, UT 84026

Mr. Mike Guinn  
Vice President - Operations  
Inland Production Company  
Route 3 - Box 3630  
Myton, UT 84502

Mr. Gil Hunt  
Technical Services Manager  
State of Utah - Natural Resources  
Division of Oil, Gas, and Mining  
1594 West North Temple - Suite 1220  
Salt Lake City, UT 84111

Mr. Jerry Kenczka  
Petroleum Engineer  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Mr. Nathan Wiser, 8ENF-T

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.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU67845
2. Name of Operator Newfield Production Company		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. HUMPBAC UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 0660 FNL 1980 FEL NW/NE Section 25 T8S R17E		8. Well Name and No. MONUMENT FED 31-25
		9. API Well No. 4304732530
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE. OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other _____ Weekly Status Report

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 recomplate 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 recomplate 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.)

Subject well had recomplateion procedures initiated in the Green River formation on 10/04/04. Existing production equipment was pulled from well. A bit and scraper were run in well. Five new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: CP4 sands @ 6145-6150', 6112-6117' (ALL 4 JSPF) fraced down 2 7/8" N-80 tbg w/45,020# 20/40 sand in 390 bbls Lightning 17 fluid. Stage #2: CP2 sands @ 6012-6016 (ALL 4 JSPF); CP1 sands @ 5972-5978' (Reperfd existing zone.)(8 JSPF). Fraced down 2 7/8" N-80 tbg w/44,590# 20/40 sand in 389 bbls Lightning 17 fluid. Stage #3: CP.5 sands @ 5936-5940', 5915-5918' (ALL 4 JSPF) fraced down 2 7/8" N-80 tbg w/24,931# 20/40 sand in 235 bbls of Lighting 17 fluid. Stage #4: B 0.5 sands 5387-5389', 5352-5357; fraced down 2 7/8" N-80 tbg w/24,949# 20/40 sand in 240 bbls of Lighting 17 fluid. Stage #5: D3 sands @ 5203-5209', 5192-5198' (ALL 4 JSPF) fraced down 2 7/8" N-80 tbg w/34,169# 20/40 sand in 325 bbls of Lighting 17 fluid. Fracs were flowed back through chokes. Sand was cleaned from wellbore. New intervals were swab tested for sand cleanup. BHA & production tbg were run and anchored in well w/tubing anchor @ 5988', pump seating nipple @ 6055', and end of tubing string @ 6087'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well returned to production via rod pump on 10-12-04.

RECEIVED  
OCT 26 2004

BIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct Name (Printed/Typed) Renee Palmer	Title Production Clerk
Signature 	Date 10/22/2004

Approved by 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.	Title	Date
	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 reverse)

**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>	
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: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721		<b>TO: ( New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
<b>CA No.</b>	<b>Unit:</b>	<b>HUMPSBACK (GREEN RIVER)</b>

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
PARIETTE DRAW FED 9-23	23	080S	170E	4304731543	12053	Federal	WI	A
PARIETTE DRAW FED 8-23	23	080S	170E	4304732676	12053	Federal	OW	P
PARIETTE FED 34-24	24	080S	170E	4304732506	12053	Federal	WI	A
PARIETTE FED 13-24	24	080S	170E	4304732546	12053	Federal	OW	P
PARIETTE FED 14-24	24	080S	170E	4304732645	12053	Federal	WI	A
PARIETTE FED 24-24	24	080S	170E	4304732646	12053	Federal	OW	P
PARIETTE FED 23-24	24	080S	170E	4304732710	12053	Federal	WI	A
PARIETTE FED 12-24	24	080S	170E	4304732713	12053	Federal	WI	A
FEDERAL 22-25	25	080S	170E	4304732008	12053	Federal	OW	P
MONUMENT FED 11-25	25	080S	170E	4304732455	12053	Federal	OW	P
MON FED 32-25	25	080S	170E	4304732524	12053	Federal	WI	A
BALCRON MON FED 33-25	25	080S	170E	4304732525	12053	Federal	OW	P
MON FED 12-25	25	080S	170E	4304732526	12053	Federal	WI	A
BALCRON MON FED 21-25	25	080S	170E	4304732528	12053	Federal	WI	A
MONUMENT FED 23-25	25	080S	170E	4304732529	12053	Federal	WI	A
MONUMENT FED 31-25	25	080S	170E	4304732530	12053	Federal	OW	P
BALCRON MON FED 24-25	25	080S	170E	4304732669	12053	Federal	OW	P
BALCRON MON FED 34-25	25	080S	170E	4304732670	12053	Federal	WI	A
HUMPSBACK U 1A-26-8-17	26	080S	170E	4304734160	12053	Federal	OW	P
HUMPSBACK U 8-26-8-17	26	080S	170E	4304734161	12053	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



## 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



# 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

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		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

Ref: 8P-W-GW

NOV 09 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RE: Additional Well: Humpback Area Permit  
UIC Permit No. UT20852-00000  
Well ID: UT20852-08503  
Monument Federal No. 31-25-8-17  
NW NE Sec. 25 T8S-R17E  
Uintah County, Utah  
API #43-047-32530

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

Dear Mr. Sundberg:

Newfield Production Company's (Newfield) request to convert the former Green River Formation oil well Monument Federal No. 31-25-8-17 to an enhanced recovery injection well under the Humpback Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of Humpback Area Permit No. UT20852-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 4,107 feet and the top of Wasatch Formation, estimated at 6,517 feet.

Prior to receiving authorization to inject into Monument Federal No. 31-25-8-17, EPA requires Newfield submit for review and approval the results of a Part 1 (Internal) mechanical integrity test (MIT), a pore pressure calculation of the injection interval and an EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram. Once these requirements have been approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days during which time a Radioactive Traced Survey (RTS) is required.

The initial Maximum Allowable Injection Pressure (MAIP) for Monument Federal No. 31-25-8-17 was determined to be 1,055 psig. UIC Area Permit UT20852-00000 also provides the opportunity for the Permittee to request a change in the MAIP based upon results of a Step Rate Test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or 1-(800)-227-8917 (Ext. 312-6174). Please submit the required data to Attention: Emmett Schmitz at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,



*for* Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization for Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Conversion Schematic: Humpback Federal No. 31-25-8-17  
P&A Schematic: Humpback Federal No. 31-25-8-17  
EPA Form No. 7520-13 (Plugging Record)

cc: Permit Letter:  
Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Irene Cuch, Vice-Chairwoman  
Ronald Groves, Councilman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard, Superintendent  
Uintah & Ouray Indian Agency  
Bureau of Indian Affairs

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION 8**  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20852-00000**

The Humpback Final UIC Area Permit No. UT20852-00000, effective October 8, 1998, authorizes Class II authorized fluid injection for the purpose of enhanced oil recovery in the Monument Butte Field. On August 5, 2009, Newfield Production Company (Newfield) notified the Director concerning the following additional enhanced recovery injection well:

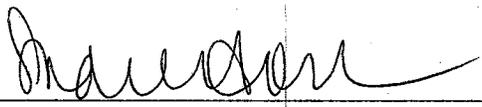
Monument Federal No. 31-25-8-17  
EPA Well ID Number: UT20852-08503  
NW NE (660' FNL & 1980' FEL) Section 25 – T8S – R17E  
Uintah County, Utah  
API No. 43-047-32530

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20852-00000 authorizes the Permittee to construct and/or convert, or plug and abandon additional enhanced recovery injection wells within the Area Permit. This well was determined to satisfy additional well criteria required by the Permit.

This well is subject to all provisions of UIC Area Permit No. UT20852-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the Permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: NOV 09 2009

  
for **Stephen S. Tuber**  
\* Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: Monument Federal No. 31-25-8-17

EPA Well ID Number: UT20852-08503

### **Prior to Commencing Injection Operations, the Permittee shall submit the following information for Monument Federal No. 31-25-8-17:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the Confining Zone. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the Permit, an extension of the period of Limited Authorization to Inject may be requested.

A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA;
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*);
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive;
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, which may affect the cement integrity of the well, and
- e) If the Director requests that a RTS be run for any reason.

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a Temperature Log, Oxygen Activation Log, or Noise Log at a frequency no less than once every five years following the last successful test.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation (4,107 feet) to the top of the Wasatch Formation, at an estimated depth of 6,517 feet (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,055 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.640 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = 5,272 \text{ feet (top perforation depth KB)} \\ \text{MAIP} &= 1,055 \text{ psig} \end{aligned}$$

UIC Area Permit No. UT20852-00000 provides the opportunity for the Permittee to request a change of the MAIP based upon the submitted results of a Step-Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). Cement records, including Cement Bond Log, have not satisfactorily demonstrated the presence of adequate Confining Zone annulus cement to prevent migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8 inch or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 feet above the top perforation.

**Demonstration of Mechanical Integrity:** A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than once every five years after the last successful test.

Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. The RTS shall be run within a 180-day Limited Authorization to inject period. If the RTS is not run, or if the RTS does not confirm adequate cement, the Permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as Temperature Log, Noise Log or Oxygen Activation Log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

**Demonstration of Financial Responsibility:** The Applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the Permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50-foot surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or Operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 feet above the top perforation with a minimum of 20 feet of cement plug on top of the CIBP.
- PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Bench from approximately 3,225 feet – 3,365 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 140-foot balanced cement plug inside the 5-1/2 inch casing from approximately 3,225 feet – 3,365 feet (KB).
- PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the contact between the Uinta Formation and Green River Formation 1,690 feet – 1,810 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2 inch casing from approximately 1,690 feet – 1,810 feet (KB).
- PLUG NO. 4: Set a Class “G” cement plug within the 5-1/2 inch casing to 365 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

## INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Monument Federal No. 31-25-8-17

EPA Well ID Number: UT20852-08503

**Underground Sources of Drinking Water (USDWs):** USDWs in the Humpback Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 50 feet below ground surface in Monument Federal No. 31-25-8-17.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]):**

TDS of the produced Garden Gulch and Douglas Creek Members water: 9,766 mg/l.

The blended **injectate** (3,186 mg/l) is produced Green River Formation water, water from the Johnson Water District pipeline and/or water from the Green River pipeline, and produced water from Green River Formation wells proximate to the Monument Federal No. 31-25-8-17.

**Aquifer Exemption:** The total dissolved solids of water produced from the proposed injection zone is less than 10,000 mg/l. EPA has evaluated additional data and information and has concluded that the original Green River Formation water was saline prior to enhanced oil recovery water flooding. The weight of evidence supports the conclusion that the occasional water sample from this area showing less than 10,000 mg/l total dissolved solids (TDS) is not representative of original Green River Formation water, and is attributed to injection of relatively fresh water during enhanced oil recovery operations. This freshening effect from water flood operations is considered by EPA to be a temporary, artificial condition. An aquifer exemption is not required for this proposed injection well.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, contains 25 feet of shale and impervious carbonate between the depths of 4,082 feet and 4,107 feet (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,416 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 4,107 feet (KB) to the estimated top of the Wasatch Formation at 6,517 feet (KB). All formation tops are based on correlations to Newfield Production Company Federal No. 1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does not show 80% or greater cement bond index in the Confining Zone (4,082 feet – 4,107 feet KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8 inch casing is set at 314 feet (KB) in a 12-1/4 inch hole, using 200 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2 inch casing is set at 6,221 feet (KB) in a 7-7/8 inch hole secured with 604 sacks of cement. Total driller depth 6,226 feet. Plugged back total depth (PBSD) is 6,180 feet. EPA calculates top of cement at 467 feet. Estimated CBL top of cement is 2,336 feet.

Perforations: Top perforation: 5,272 feet (KB). Bottom perforation: 5,978 feet (KB).

**Area-of-Review Wells:** Within the one-quarter (1/4) mile Area-of-Review (AOR) are four Green River Formation enhanced recovery injection wells, none of which require Corrective Action.

Pariette Federal No. 34-24-8-17	UT20852-04459	API 43-047-32506
Balcron Monument Federal No 32-25-8-17	UT20852-04463	API 43-047-32524
Humpback No. 1-25-8-17	UT20852-06512	API 43-047-34485
Balcron Monument Federal No. 21-25-8-17	UT20852-04461	API 43-047-32528.

Within the one-quarter (1/4) mile AOR is a single oil well which requires Corrective Action.

Federal I-25-8-17.....API 43-047-39971: Cement Bond Log analysis does not identify 80% cement bond within the Confining Zone. If possible fluid movement out of the injection zone is identified, either through weekly monitoring, per Newfield's July 10, 2008 procedure, or through any other means (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, tubing-casing annulus pressure readings, or other evidence of a mechanical integrity failure), Permittee will shut in Monument Federal No. 31-25-8-17 immediately and notify the Director. No injection into Monument Federal No. 31-25-8-17 will be permitted until Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form No. 7520-12) and a schematic diagram, and received authorization from the Director to recommence injection.

Enclosed is a Newfield corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone".

**Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The Operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with Permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The Operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the Operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid-migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The Operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>.

**Other Noncompliance:** The Operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the Operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

*Authorization for Additional Well: UIC Area Permit UT20852-00000  
Well: Monument Federal No. 31-25-8-17 EPA Well ID: UT20852-08503*

# NEWFIELD



ROCKY MOUNTAINS

**RE: Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the confining zone**

Effective July 10, 2008 Newfield Production Company will implement the following procedure to address concerns related to protection of Underground Sources of Drinking Water (USDW) in AOR wells where the interval of cement bond index across the confining zone behind pipe has been determined to be inadequate. The procedure is intended to meet the corrective action requirements found in the UIC Class II permit, as well as provide data that could be used to detect and prevent fluid movement out of the proposed injection zone.

- 1) Establish baseline production casing by surface casing annulus pressures prior to water injection in subject well with a calibrated gauge.
- 2) Record the baseline pressure, report findings to Newfield engineering group and keep on file so it is available upon request
- 3) Place injection well in service. Run packer integrity and radioactive tracer logs to verify wellbore integrity and determine zones taking water.
- 4) Construct a geologic cross section showing zones taking water and their geologic equivalent zones in the AOR wells.
- 5) Submit a report of the packer integrity log, radioactive tracer log, and geologic cross section to to the Newfield engineering staff for review and keep on file so it is available upon request
- 6) Weekly observations of the site will be made by Newfield during normal well operating activities. Any surface discharge of fluids will be reported immediately.
- 7) After injection well is placed in service, weekly observations of annulus pressure will be made and compared to baseline pressure and will be recorded once monthly. The recorded pressure information will be kept on file and be available upon request.
- 8) If pressure increases by more than 10% above baseline at any time in an AOR well with insufficient cement bond, Newfield will run a temperature survey log in subject well. This log, in concert with the geologic crosssection, will enable the determination of water movement in the open hole by production casing annulus through a shift in geothermal gradient.
- 9) If water movement is determined in annulus, Newfield will shut in the injection well and repair the production casing by open hole annulus or leave the injection well out of service.



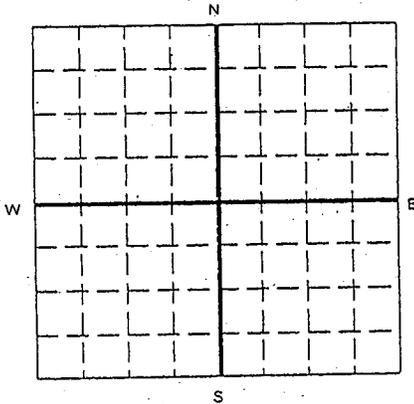
United States Environmental Protection Agency  
Washington, DC 20460

**WELL REWORK RECORD**

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on  
Section Plat - 640 Acres



State

County

Permit Number

Surface Location Description

1/4 of 1/4 of 1/4 of 1/4 of Section Township Range

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location ft. frm (N/S) Line of quarter section

and ft. from (E/W) Line of quarter section.

WELL ACTIVITY

- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

Lease Name

Total Depth Before Rework

Total Depth After Rework

Date Rework Commenced

Date Rework Completed

TYPE OF PERMIT

- Individual
- Area
- Number of Wells

Well Number

**WELL CASING RECORD -- BEFORE REWORK**

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

**WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)**

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types

Logged Intervals

**Certification**

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Signature

Date Signed

UT 20852-08503

Attachment C-5

Monument Federal #31-25-8-17

Spud Date: 12/8/94  
Put on Production: 1/20/95

GL: 5020' KB: 5030'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (304')

DEPTH LANDED: 314'

HOLE SIZE: 12-1/4"

CEMENT DATA: 200 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 148 jts. (6224.50')

DEPTH LANDED: 6221.00'

HOLE SIZE: 7-7/8"

CEMENT DATA: 178 sxs Super "G" cmt. & 426 sxs 50/50 POZ.

CEMENT TOP AT: 2336' per CBL TOC

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 170 jts (5230.48')

TUBING ANCHOR: 5232.83'

NO. OF JOINTS: 25 jts (773.32')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 6017.25 KB

NO. OF JOINTS: 1 jts (30.23')

TOTAL STRING LENGTH: EOT @ 6051.68'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 5-1 1/2" weight bars; 8-3/4" scraped rods; 134-3/4" slick,

92-3/4" scraper rods, 1-3/4" plain rod, 1-4", 1-8" x 3/4" pony rods.

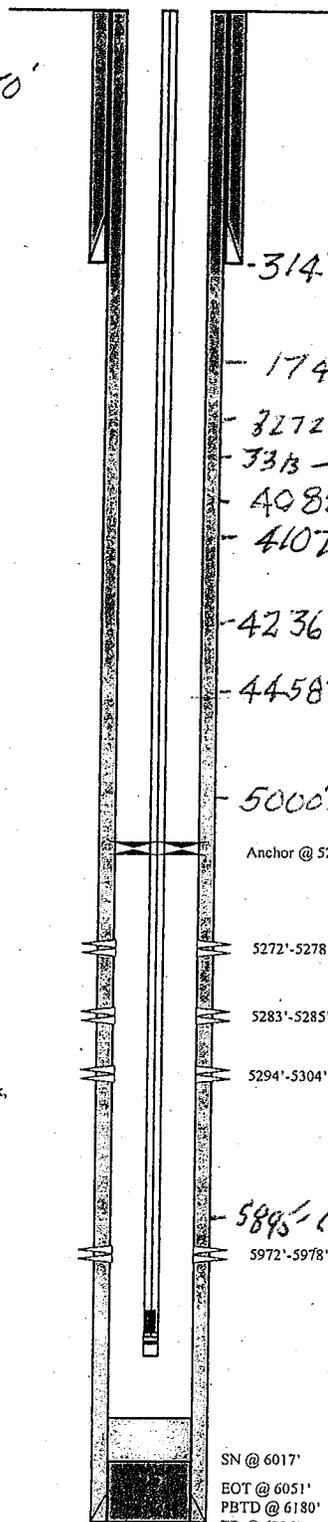
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC

STROKE LENGTH: 120"

PUMP SPEED, SPM: 5.5 SPM

LOGS: DIGL/SP/GR/CAL

Wellbore Diagram



FRAC JOB

1/5/95 5972'-5978'

Frac as follows:

22,700# 20/40 sand in 766 bbls KCL frac fluid. Treated @ avg press of 1850 psi w/avg rate of 33.5 BPM. ISIP 1530 psi.

1/10/95 5272'-5304'

Frac as follows:

55,540# 20/40 sand + 57,380# 16/30 sand in 696 bbls KCL frac fluid. Treated @ avg press of 1500 psi w/avg rate of 30.5 BPM. ISIP 1550 psi.

9/19/01

Pump change. Update rod and tubing details.

PERFORATION RECORD

1/5/95	5972'-5978'	4 JSPF
1/9/95	5294'-5304'	4 JSPF
1/9/95	5283'-5285'	4 JSPF
1/9/95	5272'-5278'	4 JSPF

- Est. Basal Carbonate 6392'  
- Est. Wasatch 6517'



Inland Resources Inc.

Monument Federal #31-25-8-17

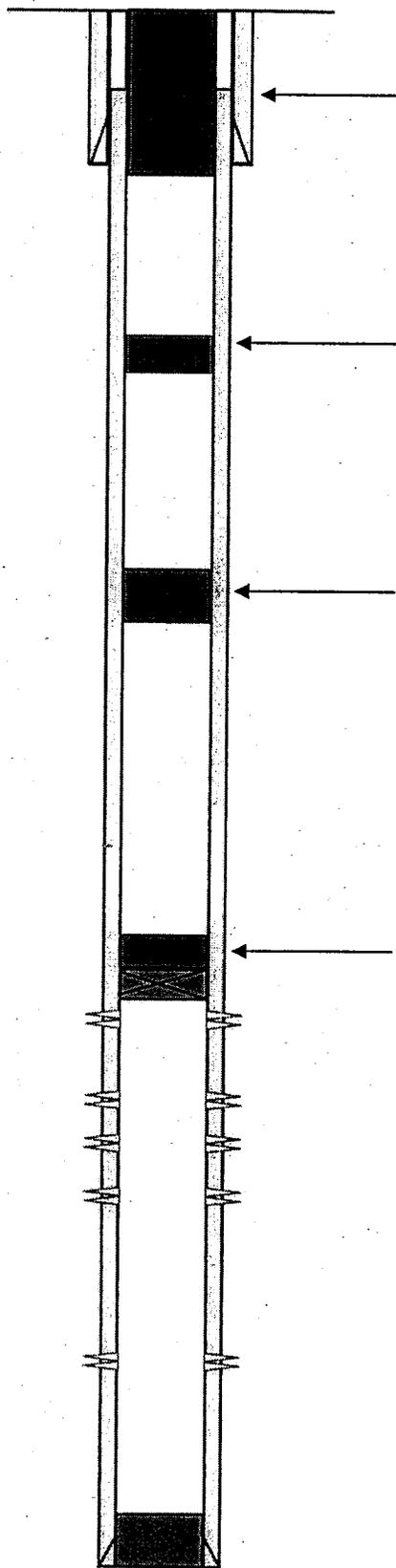
660' FNL & 1980' FEI.

NWNE Section 25-T8S-R17E

Uintah Co, Utah

API #43-047-32530; Lease #11-67845

## Plugging and Abandonment Diagram for Monument Fed'l. No. 31-25-8-17



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing surface to 365 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

Plug 3: Perforate and squeeze cement up the backside of the casing across the contact between the Uinta Formation and Green River Formation 1,690 feet – 1,810 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the casing from approximately 1,690 feet – 1,810 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and the Mahogany Bench from approximately 3,225 feet – 3,365 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 140-foot balanced cement plug inside the casing from approximately 3,225 feet – 3,365 feet.

Plug 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation with a minimum of 20 ft cement plug on top of the CIBP.



<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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67845
		<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 31-25
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43047325300000
<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> 0660 FNL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 25 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<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: 10/5/2012	<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 10/05/2012. On 09/20/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 10/05/2012 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-08503

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
October 11, 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> 10/8/2012	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 10 15 2012  
 Test conducted by: Kevin Powell  
 Others present: \_\_\_\_\_

UT20852-08503

Well Name: <u>Monument Federal 31-25-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument East</u>		
Location: <u>31</u> Sec: <u>25</u> T <u>N1S</u> R <u>17</u> <u>E/W</u> County: <u>Wintah</u> State: <u>UT</u>		
Operator: <u>Kevin Powell</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 1450 psig

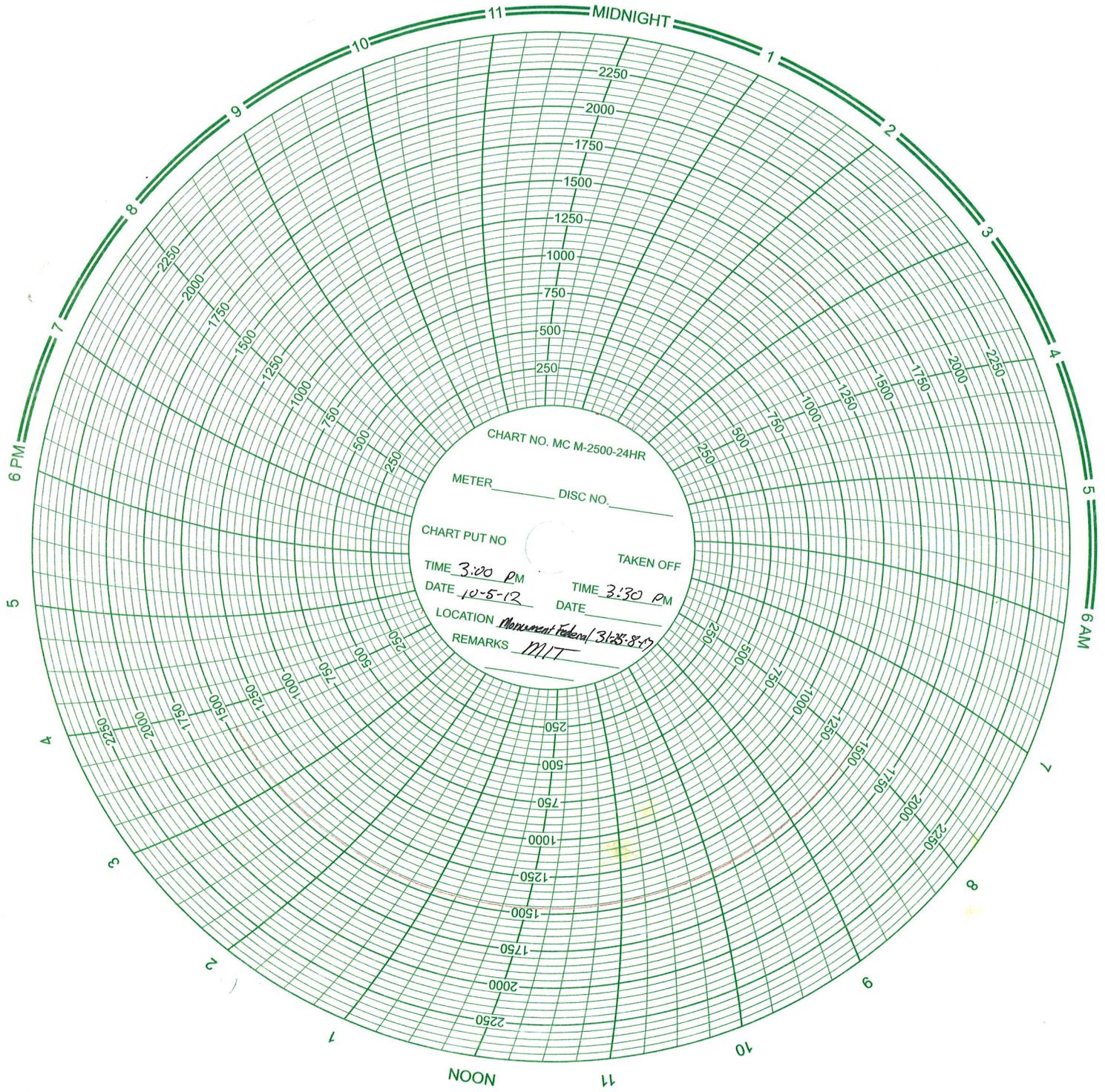
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1450</u> psig	psig	psig
5 minutes	<u>1450</u> psig	psig	psig
10 minutes	<u>1450</u> psig	psig	psig
15 minutes	<u>1450</u> psig	psig	psig
20 minutes	<u>1450</u> psig	psig	psig
25 minutes	<u>1450</u> psig	psig	psig
30 minutes	<u>1450</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



**Daily Activity Report****Format For Sundry****MON 31-25-8-17****8/1/2012 To 12/30/2012****9/28/2012 Day: 1****Conversion**

NC #2 on 9/28/2012 - MIRUSU, LD rods. - MIRUSU. RD pumping unit. Pump 60 bbls water @ 250 down csg. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Soft seat rods. Fill tbg w/ 25 bbls water & pressure test tbg to 3000 psi. Good test. LD 1 1/2" x 22' polish rod, 4' & 6' 3/4 ponys, 92- 3/4 guided rods. Flush tbg & rods w/ 30 bbls water @ 250. Cont. LD 106-3/4 plain rods, 38- 3/4 guided rods, 6- wt bars. RD rod eq. RU tbg eq. Unset TA. NU BOPs. RU rig floor. SDFD .

**Daily Cost:** \$0**Cumulative Cost:** \$31,990

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**10/2/2012 Day: 3****Conversion**

NC #2 on 10/2/2012 - Contin POOH W/ Tbg, TIH W/ PKR, PT Tbg, NU Injection Tree, PT Csg - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, H/ Oiler Pumped 40 BW Down Tbg, POOH W/ 65 Jts Breaking & Inspecting Collars, Applied Liquid O-Ring To Each Pin & Retourqed, LD 30- Jts & BHA, MU & RIH W/ 167 Jts W/ XN Arrow Set PKR, H/ Oiler Pumped 40 BW Down Tbg, Seated Stnd Valv W/ Sandline, MU Isolation T, Filled Tbg W/ 10 BW, PT Tbg @ 3000psi For 30 Min, 75psi Loss In 30 Min, Re pressured Tbg To 3000psi For 30 Min, No Pressure Loss, GOOD TEST, Retrieved Stnd Valv, RD Work Floor, ND BOP, MU Injection Tree, RU H/ Oiler To Csg Cirulate Well W/ 70 BW & PKR Fluid, Set PKR CE @ 5166.38' W/ 1500# Tension, NU Injection Tree, Filled Csg W/ 10 BW, PT Csg To 1500psi, 175psi Loss In 20 Min, Re pressured Csg To 1500psi...SWIFN...7:00PM To 7:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, PU 3 Jts, Tag Fill @6186', LD 3 Jts, POOH W/ 102 Jts Breaking Inspecting & Redoping Pins, LD 8 Jts Due To Guiding, H/ Oiler Pumped 100 BW Total Down Tbg, SWIFN...6:00PM To 6:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, PU 3 Jts, Tag Fill @6186', LD 3 Jts, POOH W/ 102 Jts Breaking Inspecting & Redoping Pins, LD 8 Jts Due To Guiding, H/ Oiler Pumped 100 BW Total Down Tbg, SWIFN...6:00PM To 6:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, H/ Oiler Pumped 40 BW Down Tbg, POOH W/ 65 Jts Breaking & Inspecting Collars, Applied Liquid O-Ring To Each Pin & Retourqed, LD 30- Jts & BHA, MU & RIH W/ 167 Jts W/ XN Arrow Set PKR, H/ Oiler Pumped 40 BW Down Tbg, Seated Stnd Valv W/ Sandline, MU Isolation T, Filled Tbg W/ 10 BW, PT Tbg @ 3000psi For 30 Min, 75psi Loss In 30 Min, Re pressured Tbg To 3000psi For 30 Min, No Pressure Loss, GOOD TEST, Retrieved Stnd Valv, RD Work Floor, ND BOP, MU Injection Tree, RU H/ Oiler To Csg Cirulate Well W/ 70 BW & PKR Fluid, Set PKR CE @ 5166.38' W/ 1500# Tension, NU Injection Tree, Filled Csg W/ 10 BW, PT Csg To 1500psi, 175psi Loss In 20 Min, Re pressured Csg To 1500psi...SWIFN...7:00PM To 7:30PM C/ Travl

**Daily Cost:** \$0**Cumulative Cost:** \$52,312

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**10/3/2012 Day: 4****Conversion**

NC #2 on 10/3/2012 - Atempt Csg Test, NU BOP, POOH W/ PKR, Run Kill String - 5:30AM To 6:00AM C/ Travl; Check Csg Pressure, 1400psi Loss Over Night, ND Injection Tree, Unset PKR, LD 1- Jt (30.42'), Reset PKR CE @ 5135.96', Refilled Csg W/ 30BW, Pressured Csg To 1500psi, 1400psi Loss In 15 Min, Seated Stnd Valv W/ Sandline, Filled Tbg W/ 30 BW, PT Tbg To 3000psi For 30 Min, No Pressure Loss, ND Injection Tree, Unset PKR, NU Weatherford BOP, RU Workfloor, POOH W/ 166 Jts & XN PKR, LD PKR, TIH W/ 30 Jts Open Holed...SWIFN..6:00PM

To 6:30PM C/ Travl

**Daily Cost:** \$0

**Cumulative Cost:** \$60,244

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**10/4/2012 Day: 5**

**Conversion**

NC #2 on 10/4/2012 - TIH W/ PKR, PT Tbg, ND BOP, NU Injection Tree, PT Csg - 5:30AM To 6:00AM C/ Travl; POOH W/ 30 Jts, MU & RIH W/ XN Arrow PKR, TIH W/ 166 Jts, PU 10' Tbg Sub, PU 1- Jt, Seat Stnd Valv W/ Sandline, H/ Oiler Filled Tbg W/ 30 BW, PT Tbg To 3000psi, 130psi Loss In 30 Min, Repressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrived Stnd Valv, RD Work Floor, ND BOP, Set PKR CE @ 5174', NU Injection Tree, H/ Oiler Pumped 60 BW, Not Able To Fill Csg....SWIFN...5:30PM To 6:00PM C/ Travl

**Daily Cost:** \$0

**Cumulative Cost:** \$67,686

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**10/5/2012 Day: 6**

**Conversion**

NC #2 on 10/5/2012 - Unset PKR, Reset PKR, PT Csg - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, Csg 0psi, Tbg 150psi, NU Down Injection Tree, Unset PKR, Reset PKR CE @ 5174' W/ 1500# Of Tension, NU B-1 Adaptor, H/ Oiler Filled Csg W/ 10 BW, PT Csg @ 1500psi For 30 Min, No Pressure Loss, NU Injection Tree, Repressured Csg To 1500psi For 60 Min, No Pressure Loss, GOOD TEST, X- Over For Rods, RDMOSU....FINAL REPORT!.....READY FOR MIT!!!

**Daily Cost:** \$0

**Cumulative Cost:** \$71,191

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**10/8/2012 Day: 7**

**Conversion**

Rigless on 10/8/2012 - Conduct initial MIT - On 009/20/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 10/05/2012 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-08503 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$138,025

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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>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> U-67845
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection 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 31-25
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43047325300000
<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> 0660 FNL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 25 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<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: 10/30/2012	<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 2:00 PM on  
10/30/2012. EPA # UT20852-08503

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
November 01, 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> 11/1/2012	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

OCT 22 2012

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah

RECEIVED  
NOV 01 2012  
DIV. OF OIL, GAS & MINING

Accepted by the  
Utah Division of  
Oil, Gas and Mining

FOR RECORD ONLY

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20852-08503  
Well: Monument Federal 31-25-8-17  
NWNE Sec. 25-T8S-R17E  
Uintah, County, Utah  
API No.: 43-047-32530

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) October 8, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20852-08503.

As of the date of this letter, Newfield is authorized to commence injection into the Monument Federal 31-25-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,040 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Sarah Roberts at the following address, referencing the well name and UIC Permit number on all correspondence:

Ms. Sarah Roberts  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

Or, you may reach Ms. Roberts by telephone at (303) 312-6211 or (800) 227-8927, extension 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20852-08503.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174.

Sincerely,



for Howard M. Cantor, for  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairwoman  
Richard Jenks, Jr., Councilman  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman

Johnna Blackhair  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company



<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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-67845
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 31-25
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 25 Township: 08.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43047325300000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<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 type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/6/2012	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Packer Release"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>The above subject well had workover procedures performed (packer release), attached is a daily status report. On 12/05/2012 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 12/06/2012 the csg was pressured up to 2050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT20852-08503</p>		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          January 07, 2013</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> 12/14/2012	

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 12 / 6 / 12  
 Test conducted by: EVERETT UNRAH  
 Others present: \_\_\_\_\_

Well Name: <u>Monument Fed 31-25-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NW NE</u> Sec: <u>25</u> T: <u>8</u> N: <u>(S)</u> R: <u>17</u> E/W: _____ County: <u>WYOMING</u> State: <u>WY</u>		
Operator: <u>DALE GILES</u>		
Last MIT: <u>1 / 1</u>		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 2050 psig

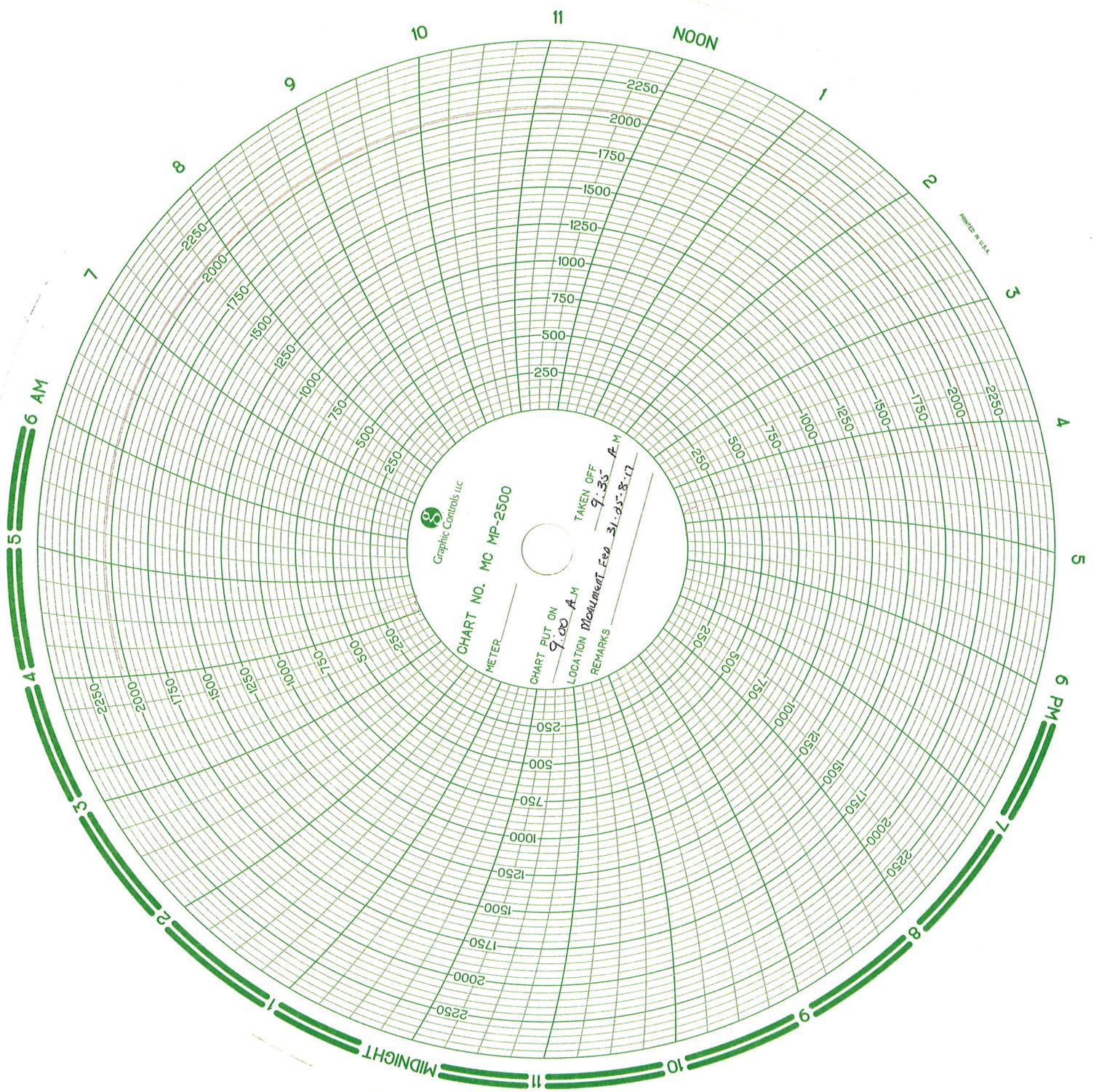
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>2050</u> psig	psig	psig
5 minutes	<u>2050</u> psig	psig	psig
10 minutes	<u>2050</u> psig	psig	psig
15 minutes	<u>2050</u> psig	psig	psig
20 minutes	<u>2050</u> psig	psig	psig
25 minutes	<u>2050</u> psig	psig	psig
30 minutes	<u>2050</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



## Daily Activity Report

Format For Sundry

MON 31-25-8-17

9/1/2012 To 1/30/2013

9/28/2012 Day: 1

Conversion

NC #2 on 9/28/2012 - MIRUSU, LD rods. - MIRUSU. RD pumping unit. Pump 60 bbls water @ 250 down csg. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Soft seat rods. Fill tbg w/ 25 bbls water & pressure test tbg to 3000 psi. Good test. LD 1 1/2" x 22' polish rod, 4' & 6' 3/4 ponys, 92- 3/4 guided rods. Flush tbg & rods w/ 30 bbls water @ 250. Cont. LD 106- 3/4 plain rods, 38- 3/4 guided rods, 6- wt bars. RD rod eq. RU tbg eq. Unset TA. NU BOPs. RU rig floor. SDFD . - MIRUSU. RD pumping unit. Pump 60 bbls water @ 250 down csg. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Soft seat rods. Fill tbg w/ 25 bbls water & pressure test tbg to 3000 psi. Good test. LD 1 1/2" x 22' polish rod, 4' & 6' 3/4 ponys, 92- 3/4 guided rods. Flush tbg & rods w/ 30 bbls water @ 250. Cont. LD 106- 3/4 plain rods, 38- 3/4 guided rods, 6- wt bars. RD rod eq. RU tbg eq. Unset TA. NU BOPs. RU rig floor. SDFD .

Daily Cost: \$0

Cumulative Cost: \$31,990

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10/2/2012 Day: 2

Conversion

NC #2 on 10/2/2012 - POOH W/ Tbg Breaking Callors - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, PU 3 Jts, Tag Fill @6186', LD 3 Jts, POOH W/ 102 Jts Breaking Inspecting & Redoping Pins, LD 8 Jts Due To Guilding, H/ Oiler Pumped 100 BW Total Down Tbg, SWIFN...6:00PM To 6:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, PU 3 Jts, Tag Fill @6186', LD 3 Jts, POOH W/ 102 Jts Breaking Inspecting & Redoping Pins, LD 8 Jts Due To Guilding, H/ Oiler Pumped 100 BW Total Down Tbg, SWIFN...6:00PM To 6:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, H/ Oiler Pumped 40 BW Down Tbg, POOH W/ 65 Jts Breaking & Inspecting Collars, Applied Liquid O-Ring To Each Pin & Retourqed, LD 30- Jts & BHA, MU & RIH W/ 167 Jts W/ XN Arrow Set PKR, H/ Oiler Pumped 40 BW Down Tbg, Seated Stnd Valv W/ Sandline, MU Isolation T, Filled Tbg W/ 10 BW, PT Tbg @ 3000psi For 30 Min, 75psi Loss In 30 Min, Re pressured Tbg To 3000psi For 30 Min, No Pressure Loss, GOOD TEST, Retrieved Stnd Valv, RD Work Floor, ND BOP, MU Injection Tree, RU H/ Oiler To Csg Cirulate Well W/ 70 BW & PKR Fluid, Set PKR CE @ 5166.38' W/ 1500# Tension, NU Injection Tree, Filled Csg W/ 10 BW, PT Csg To 1500psi, 175psi Loss In 20 Min, Re pressured Csg To 1500psi...SWIFN...7:00PM To 7:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, H/ Oiler Pumped 40 BW Down Tbg, POOH W/ 65 Jts Breaking & Inspecting Collars, Applied Liquid O-Ring To Each Pin & Retourqed, LD 30- Jts & BHA, MU & RIH W/ 167 Jts W/ XN Arrow Set PKR, H/ Oiler Pumped 40 BW Down Tbg, Seated Stnd Valv W/ Sandline, MU Isolation T, Filled Tbg W/ 10 BW, PT Tbg @ 3000psi For 30 Min, 75psi Loss In 30 Min, Re pressured Tbg To 3000psi For 30 Min, No Pressure Loss, GOOD TEST, Retrieved Stnd Valv, RD Work Floor, ND BOP, MU Injection Tree, RU H/ Oiler To Csg Cirulate Well W/ 70 BW & PKR Fluid, Set PKR CE @ 5166.38' W/ 1500# Tension, NU Injection Tree, Filled Csg W/ 10 BW, PT Csg To 1500psi, 175psi Loss In 20 Min, Re pressured Csg To 1500psi...SWIFN...7:00PM To 7:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, PU 3 Jts, Tag Fill @6186', LD 3 Jts, POOH W/ 102 Jts Breaking Inspecting & Redoping Pins, LD 8 Jts Due To Guilding, H/ Oiler Pumped 100 BW Total Down Tbg, SWIFN...6:00PM To 6:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, H/ Oiler Pumped 40 BW Down Tbg, POOH W/ 65 Jts Breaking & Inspecting Collars, Applied Liquid O-Ring To Each Pin & Retourqed, LD 30- Jts & BHA, MU & RIH W/ 167 Jts W/ XN Arrow Set PKR, H/ Oiler Pumped 40 BW Down Tbg, Seated Stnd Valv W/ Sandline, MU

Isolation T, Filled Tbg W/ 10 BW, PT Tbg @ 3000psi For 30 Min, 75psi Loss In 30 Min, Re pressured Tbg To 3000psi For 30 Min, No Pressure Loss, GOOD TEST, Retrieved Stnd Valv, RD Work Floor, ND BOP, MU Injection Tree, RU H/ Oiler To Csg Cirulate Well W/ 70 BW & PKR Fluid, Set PKR CE @ 5166.38' W/ 1500# Tension, NU Injection Tree, Filled Csg W/ 10 BW, PT Csg To 1500psi, 175psi Loss In 20 Min, Re pressured Csg To 1500psi...SWIFN...7:00PM To 7:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; OWU @ 6:00AM, H/ Oiler Pumped 40 BW Down Tbg, POOH W/ 65 Jts Breaking & Inspecting Collars, Applied Liquid O-Ring To Each Pin & Retourqed, LD 30- Jts & BHA, MU & RIH W/ 167 Jts W/ XN Arrow Set PKR, H/ Oiler Pumped 40 BW Down Tbg, Seated Stnd Valv W/ Sandline, MU Isolation T, Filled Tbg W/ 10 BW, PT Tbg @ 3000psi For 30 Min, 75psi Loss In 30 Min, Re pressured Tbg To 3000psi For 30 Min, No Pressure Loss, GOOD TEST, Retrieved Stnd Valv, RD Work Floor, ND BOP, MU Injection Tree, RU H/ Oiler To Csg Cirulate Well W/ 70 BW & PKR Fluid, Set PKR CE @ 5166.38' W/ 1500# Tension, NU Injection Tree, Filled Csg W/ 10 BW, PT Csg To 1500psi, 175psi Loss In 20 Min, Re pressured Csg To 1500psi...SWIFN...7:00PM To 7:30PM C/ Travl

**Daily Cost:** \$0

**Cumulative Cost:** \$43,840

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**10/3/2012 Day: 4**

**Conversion**

NC #2 on 10/3/2012 - Atempt Csg Test, NU BOP, POOH W/ PKR, Run Kill String - 5:30AM To 6:00AM C/ Travl; Check Csg Pressure, 1400psi Loss Over Night, ND Injection Tree, Unset PKR, LD 1- Jt (30.42'), Reset PKR CE @ 5135.96', Refilled Csg W/ 30BW, Pressured Csg To 1500psi, 1400psi Loss In 15 Min, Seated Stnd Valv W/ Sandline, Filled Tbg W/ 30 BW, PT Tbg To 3000psi For 30 Min, No Pressure Loss, ND Injection Tree, Unset PKR, NU Weatherford BOP, RU Workfloor, POOH W/ 166 Jts & XN PKR, LD PKR, TIH W/ 30 Jts Open Holed...SWIFN..6:00PM To 6:30PM C/ Travl - 5:30AM To 6:00AM C/ Travl; Check Csg Pressure, 1400psi Loss Over Night, ND Injection Tree, Unset PKR, LD 1- Jt (30.42'), Reset PKR CE @ 5135.96', Refilled Csg W/ 30BW, Pressured Csg To 1500psi, 1400psi Loss In 15 Min, Seated Stnd Valv W/ Sandline, Filled Tbg W/ 30 BW, PT Tbg To 3000psi For 30 Min, No Pressure Loss, ND Injection Tree, Unset PKR, NU Weatherford BOP, RU Workfloor, POOH W/ 166 Jts & XN PKR, LD PKR, TIH W/ 30 Jts Open Holed...SWIFN..6:00PM To 6:30PM C/ Travl

**Daily Cost:** \$0

**Cumulative Cost:** \$60,244

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**10/4/2012 Day: 5**

**Conversion**

NC #2 on 10/4/2012 - TIH W/ PKR, PT Tbg, ND BOP, NU Injection Tree, PT Csg - 5:30AM To 6:00AM C/ Travl; POOH W/ 30 Jts, MU & RIH W/ XN Arrow PKR, TIH W/ 166 Jts, PU 10' Tbg Sub, PU 1- Jt, Seat Stnd Valv W/ Sandline, H/ Oiler Filled Tbg W/ 30 BW, PT Tbg To 3000psi, 130psi Loss In 30 Min, Re pressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrived Stnd Valv, RD Work Floor, ND BOP, Set PKR CE @ 5174', NU Injection Tree, H/ Oiler Pumped 60 BW, Not Able To Fill Csg....SWIFN...5:30PM To 6:00PM C/ Travl - 5:30AM To 6:00AM C/ Travl; POOH W/ 30 Jts, MU & RIH W/ XN Arrow PKR, TIH W/ 166 Jts, PU 10' Tbg Sub, PU 1- Jt, Seat Stnd Valv W/ Sandline, H/ Oiler Filled Tbg W/ 30 BW, PT Tbg To 3000psi, 130psi Loss In 30 Min, Re pressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrived Stnd Valv, RD Work Floor, ND BOP, Set PKR CE @ 5174', NU Injection Tree, H/ Oiler Pumped 60 BW, Not Able To Fill Csg....SWIFN...5:30PM To 6:00PM C/ Travl

**Daily Cost:** \$0

**Cumulative Cost:** \$67,686

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**10/5/2012 Day: 6**

**Conversion**

NC #2 on 10/5/2012 - Unset PKR, Reset PKR, PT Csg - 5:30AM To 6:00AM C/ Travl; OWU @

6:00AM, Csg Opsi, Tbg 150psi, NU Down Injection Tree, Unset PKR, Reset PKR CE @ 5174' W/ 1500# Of Tension, NU B-1 Adaptor, H/ Oiler Filled Csg W/ 10 BW, PT Csg @ 1500psi For 30 Min, No Pressure Loss, NU Injection Tree, Repressured Csg To 1500psi For 60 Min, No Pressure Loss, GOOD TEST, X- Over For Rods, RDMOSU....FINAL REPORT!.....READY FOR MIT!!! - 5:30AM To 6:00AM C/ Trvl; OWU @ 6:00AM, Csg Opsi, Tbg 150psi, NU Down Injection Tree, Unset PKR, Reset PKR CE @ 5174' W/ 1500# Of Tension, NU B-1 Adaptor, H/ Oiler Filled Csg W/ 10 BW, PT Csg @ 1500psi For 30 Min, No Pressure Loss, NU Injection Tree, Repressured Csg To 1500psi For 60 Min, No Pressure Loss, GOOD TEST, X- Over For Rods, RDMOSU....FINAL REPORT!.....READY FOR MIT!!!

**Daily Cost:** \$0

**Cumulative Cost:** \$71,191

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**10/8/2012 Day: 7****Conversion**

Rigless on 10/8/2012 - Conduct initial MIT - On 009/20/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 10/05/2012 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-08503 - On 009/20/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 10/05/2012 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-08503

**Daily Cost:** \$0

**Cumulative Cost:** \$138,025

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**11/29/2012 Day: 1****pkr was released csg on vaccume**

NC #1 on 11/29/2012 - r/u nc#1,n/u bop,pkr was rel csg on vaccume,pooH w/pkr,chnge out pkr,rih w/tbg prod,drpe sv,p/tst tbg,good tst.n/d bop,n/u w/hd, - 5:30AM -6:00AM C/Trvl, 6:00AM R/U NC#1. OWU W/-10 Psi On Tbg, Csg On Vaccume. N/D W/-HD, N/U BOP, R/U R/Flr, Pkr Was Not Set ( Released ). POOH W/-1 Jt Tbg, 8' Tbg Sub, 166 Jts Tbg, S/N, On Off Tool, Pkr, & Pkr Assembly.( Note ) Found Pkr Was Safetyed. BMW H/Oiler Flushed Tbg W/-30 BW On TOOH.RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, New 5 1/2" Arrow #1 Pkr, X Nipple, On Off Tool, 2 7/8 S/N, 166 Jts Tbg ,2 7/8X8' Tbg Sub, 1 Jt Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test.R/U S/Line Ovrshot RIH & Fish SV, R/D R/Flr, N/D BOP, N/U W/-HD, SWI. 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 5:30AM -6:00AM C/Trvl, 6:00AM R/U NC#1. OWU W/-10 Psi On Tbg, Csg On Vaccume. N/D W/-HD, N/U BOP, R/U R/Flr, Pkr Was Not Set ( Released ). POOH W/-1 Jt Tbg, 8' Tbg Sub, 166 Jts Tbg, S/N, On Off Tool, Pkr, & Pkr Assembly.( Note ) Found Pkr Was Safetyed. BMW H/Oiler Flushed Tbg W/-30 BW On TOOH.RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, New 5 1/2" Arrow #1 Pkr, X Nipple, On Off Tool, 2 7/8 S/N, 166 Jts Tbg ,2 7/8X8' Tbg Sub, 1 Jt Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test.R/U S/Line Ovrshot RIH & Fish SV, R/D R/Flr, N/D BOP, N/U W/-HD, SWI. 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$22,707

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**11/30/2012 Day: 2****pkr was released csg on vaccume**

NC #1 on 11/30/2012 - owu,pmp pkr fluid,set pkr,n/u w/hd,p/tst csg & pkr to 1,500 psi,Good

tst,R/D Rig,ready for MIT ( Final Report ) - 5:30AM -6:00AM C/Trvl, 6:00AM OWU, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D Csg, Set Pkr In 15,000 Tension, N/U W/-HD, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig @ 11:30AM, Ready For MIT ( Final Rig Report ). - 5:30AM -6:00AM C/Trvl, 6:00AM OWU, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D Csg, Set Pkr In 15,000 Tension, N/U W/-HD, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig @ 11:30AM, Ready For MIT ( Final Rig Report ).

**Daily Cost:** \$0

**Cumulative Cost:** \$29,122

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**12/10/2012 Day: 3**

**pkr was released csg on vaccume**

Rigless on 12/10/2012 - Conduct MIT - On12/05/2012 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 12/06/2012 the csg was pressured up to 2050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT20852-08503 - On12/05/2012 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 12/06/2012 the csg was pressured up to 2050 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT20852-08503 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$30,022

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**Pertinent Files: [Go to File List](#)**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

DEC 21 2012

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2599-7624  
RETURN RECEIPT REQUESTED

RECEIVED

DEC 28 2012

DIV. OF OIL, GAS & MINING

Mr. J D Horrocks  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Monument Federal 31-25-8-17 Well  
EPA ID# UT20852-08503  
API # 43-047-32530  
Uintah County, UT 8S 17E 25

Accepted by the  
Utah Division of  
Oil, Gas and Mining

FOR RECORD ONLY

Dear Mr. Horrocks:

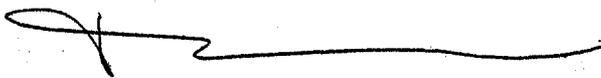
On December, 19, 2012, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced well concerning the workover and the followup mechanical integrity test (MIT) conducted on December 6, 2012. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before December 6, 2017.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENE-UFO.

Sincerely,



Darcy O'Connor, Acting Director  
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Irene Cuch, Jr., Chairwoman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
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Ute Indian Tribe  
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Mike Natchees, Environmental  
Coordinator  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

John Rogers  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114



# Monument Federal 31-25-8-17

Spud Date: 12/8/94  
 Put on Production: 1/20/95  
 GL: 5020' KB: 5030'

Initial Production: 149.8 BOPD,  
 Gas Not Measured, 0 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

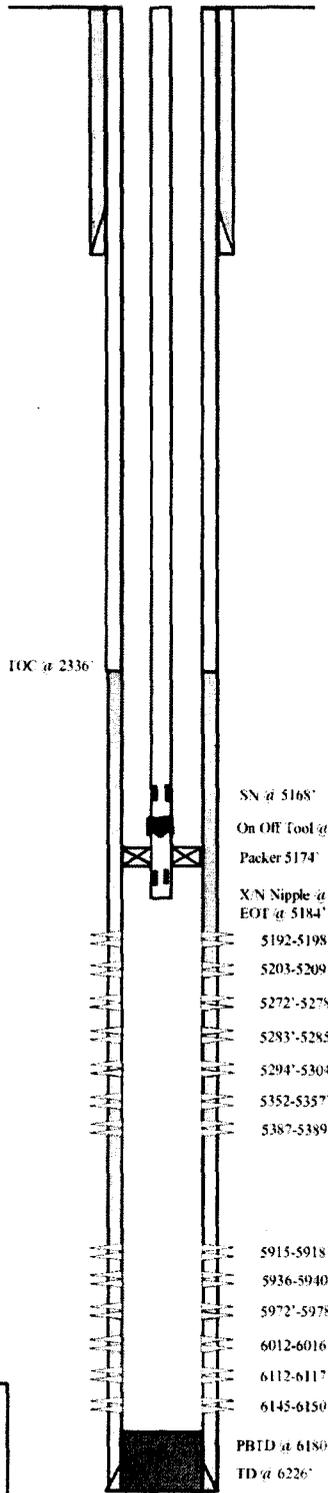
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304')  
 DEPTH LANDED: 314'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (6224.50')  
 DEPTH LANDED: 6221.00'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 175 sxs Super "G" cmt. & 426 sxs 50/50 POZ.  
 CEMENT TOP AT: 2336' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#  
 NO. OF JOINTS: 1 jt (30.4')  
 TBG SUB 2-7/8 N-80 AT: 40.4'  
 NO. OF JOINTS: 166 jts (5119.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5167.9' KB  
 ON/OFF TOOL AT: 5169.0'  
 SEAL NIPPLE AT: 5170.5'  
 ARROW #1 PACKER CE AT: 5174.08'  
 XO 2-3/8 x 2-7/8 J-55 AT: 5177.7'  
 TBG PUP 2-3/8 N-80 AT: 5178.2'  
 X/N NIPPLE AT: 5182.2'  
 TOTAL STRING LENGTH: EOT @ 5184'



**FRAC JOB**

1/5/95 5972-5978' **Frac as follows:**  
 22,700# 20/40 sand in 766 bbls KCL frac fluid. Treated @ avg press of 1550 psi w/avg rate of 33.5 BPM. ISIP 1530 psi

1/10/95 5272-5304' **Frac as follows:**  
 55,540# 20/40 sand + 57,380# 16/30 sand in 696 bbls KCL frac fluid. Treated @ avg press of 1500 psi w/avg rate of 30.5 BPM. ISIP 1550 psi.

9-19-01 **Pump change:** Update rod and tubing details

10/06/04 6112-6150' **Frac CP4 sands as follows:**  
 45,020# 20/40 sand in 390 bbls Lighting 17 frac fluid. Treated @ avg press of 3498 psi w/avg rate of 14.5 BPM. ISIP 1600 psi. Calc flush 1578 gal. Actual flush: 1487 gal

10/06/04 5972-6016' **Frac CP1 & CP2 sands as follows:**  
 44,590# 20/40 sand in 389 bbls Lighting 17 frac fluid. Treated @ avg press of 3003 psi w/avg rate of 14.6 BPM. ISIP 1240 psi. Calc flush: 1511 gal. Actual flush: 1423 gal.

10/07/04 5915-5940' **Frac CP.5 sands as follows:**  
 24,931# 20/40 sand in 235 bbls Lighting 17 frac fluid. Treated @ avg press of 3453 psi w/avg rate of 14.5 BPM. ISIP 1500 psi. Calc flush 1525 gal. Actual flush: 1404 gal.

10/07/04 5352-5389' **Frac B 0.5 sands as follows:**  
 24,949# 20/40 sand in 240 bbls Lighting 17 frac fluid. Treated @ avg press of 3344 psi w/avg rate of 14.5 BPM. ISIP 1850 psi. Calc flush: 1367 gal. Actual flush: 1249 gal.

10/07/04 5192-5209' **Frac D3 sands as follows:**  
 34,169# 20/40 sand in 325 bbls Lighting 17 frac fluid. Treated @ avg press of 1396 psi w/avg rate of 24.9 BPM. Screened out.

08/12/05 **Tubing Leak.** Update tubing and rod details

10/05/12 **Convert to Injection Well**

10/05/12 **Conversion MIT Finalized** - update the detail

12/06/12 **Workover MIT Finalized** - packer release - update the detail

**PERFORATION RECORD**

Date	Depth Range	Holes
01/05/95	5972-5978'	48 holes
01/09/95	5294-5304'	40 holes
01/09/95	5283-5285'	8 holes
01/09/95	5272-5278'	24 holes
10/05/04	6145-6150'	20 holes
10/05/04	6112-6117'	20 holes
10/05/04	6012-6016'	16 holes
10/05/04	5972-5978'	48 holes (re-perf)
10/06/04	5936-5940'	16 holes
10/06/04	5915-5915'	12 holes
10/06/04	5387-5389'	5 holes
10/06/04	5352-5357'	20 holes
10/06/04	5203-5209'	24 holes
10/06/04	5192-5198'	24 holes



**Monument Federal 31-25-8-17**  
 660' FNL & 1980' FEL  
 NW/NE Section 25-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-32530, Lease #UTU-67845