

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				5. Lease Designation and Serial No. Feb. #U-3563-A																																					
1. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				6. If Indian, Allottee or Tribe Name n/a																																					
2. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>				7. Unit Agreement Name n/a																																					
				8. Farm or Lease Name Balcron Monument Federal																																					
Name of Operator Equitable Resources Energy Company, Balcron Oil Division				9. Well No. #21-17																																					
Address of Operator P.O. Box 21017; Billings, MT 59104				10. Field and Pool, or Wildcat Monument Butte/Green River																																					
Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 500' FNL 1980' FWL At proposed prod. zone				11. 00, Sec., T., R., M., or Blk. and Survey or Area NE NW Sec. 17, T9S, R17E																																					
4. Distance in miles and direction from nearest town or post office* Approximately 13 miles SW of Myton, Utah				12. County or Parrish Duchesne																																					
				13. State UTAH																																					
5. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)		16. No. of acres in lease		17. No. of acres assigned to this well																																					
1. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth 5,700'		20. Rotary or cable tools Rotary																																					
Elevations (Show whether DF, RT, GR, etc.) 5369.3' GL				22. Approx. date work will start* Upon APD approval																																					
PROPOSED CASING AND CEMENTING PROGRAM																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Size of Hole</th> <th style="width: 15%;">Size of Casing</th> <th style="width: 15%;">Weight per Foot</th> <th style="width: 15%;">Setting Depth</th> <th style="width: 15%;">Quantity of Cement</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement																															
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Operator intends to drill this well in accordance with the attached Federal APD.

RECEIVED

APR 07 1993

DIVISION OF
OIL, GAS & MINING

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.

I hereby certify that this report is true and complete to the best of my knowledge.
 Signed: Bobbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: April 5, 1993
 (This space for Federal or State office use)

API NO. _____ Approval Date _____

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE
 2. NAME OF OPERATOR
 EQUITABLE RESOURCES ENERGY COMPANY Balcron Oil 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
 500' FNL, 1980' FWL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 13 miles SW of Myton, Utah

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

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH
 5,700'

20. ROTARY OR CABLE TOOLS
 Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5369.3' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" for details				

5. LEASE DESIGNATION AND SERIAL NO.
 U-3563-A
 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.
 #21-17
 10. FIELD AND POOL, OR WILDCAT
 Monument Butte/Green River
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 NE NW Sec. 17, T9S, R17E
 12. COUNTY OR PARISH
 Duchesne
 13. STATE
 UTAH

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING/CASING PROGRAM
- "E" EVIDENCE OF BOND COVERAGE
- "F" ARCHEOLOGY REPORT
- "G" SURVEY PLAT

- "H" BOPE SCHEMATIC
- "I" RIG LAYOUT
- "J" EXISTING ROADS (MAP A)
- "K" PLANNED ACCESS (MAP B)
- "L" EXISTING WELLS (MAP C)
- "M" CUT & FILL DIAGRAM

APR 07 1993

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

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

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE April 5, 1993

(This space for Federal or State office use)
 PERMIT NO. 13-013-31387 APPROVAL DATE _____
 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

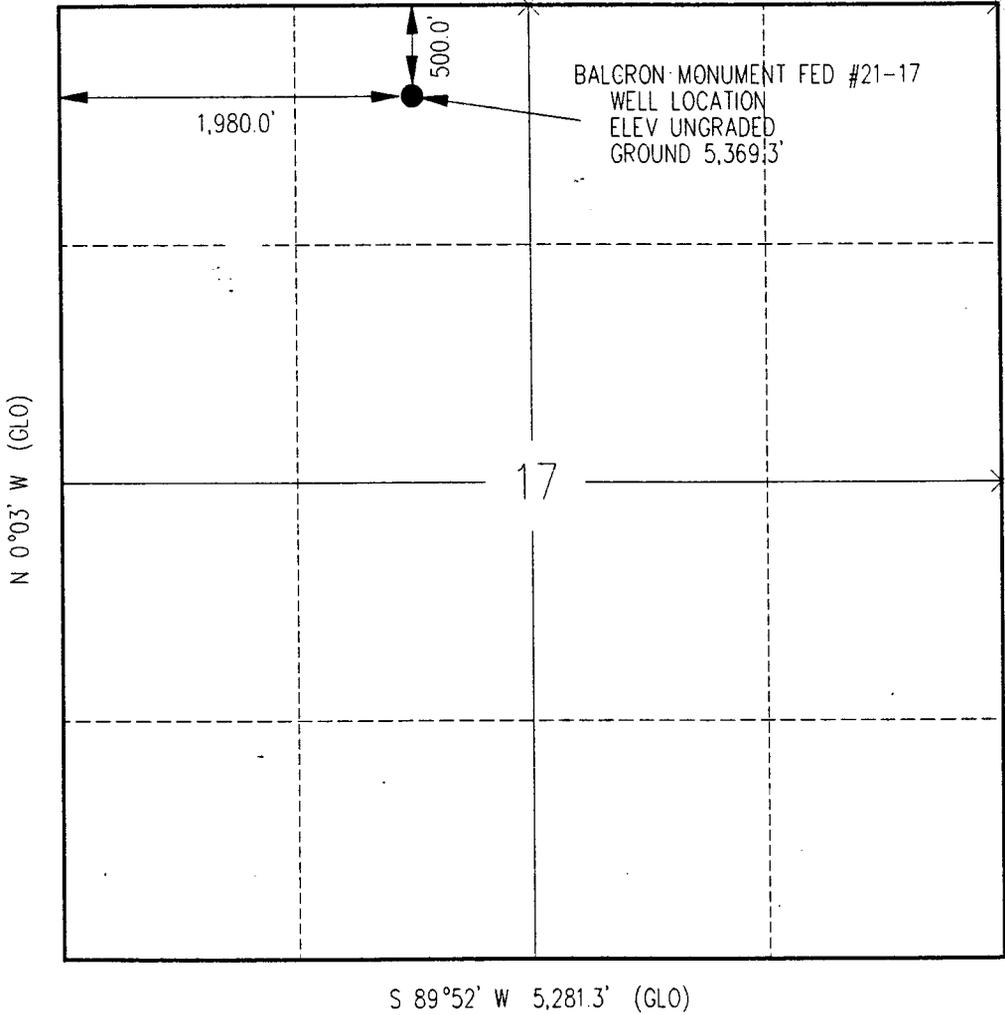
APPROVED BY _____ TITLE _____ DATE: 4-27-93
 BY: [Signature] WELL SPACING: 649-3-7

*See Instructions On Reverse Side

EXHIBIT "G"

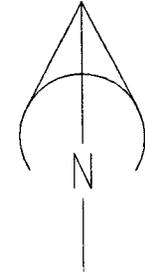
T9S, R17E, S.L.B. & M.

S 89°55' W 5,280.0' (GLO) BASIS OF BEARING



EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #21-17, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 17, T9S, R17E, S.L.B. & M, DUCHESNE COUNTY UTAH.



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

REGISTERED LAND SURVEYOR
 NO. 3154
Steve Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 3154
 STATE OF UTAH
 STEWART
 STATE OF UTAH

TRI STATE LAND SURVEYING CONSULTING
38 EAST 100 NORTH, VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: SS HH KH
DATE: 9/29/92	WEATHER: CLEAR & WARM
NOTES:	FILE # #21-17

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

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #21-17
NE NW Section 17-T9S-R17E
Duchesne County, Utah

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

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

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

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

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as 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 #21-17
 NE NW Section 17, T9S, R17E
 DUCHESNE COUNTY, UTAH

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

- A. The proposed well site is staked and four reference stakes are present. 200' & 250' S and 175' & 225' W
- B. The Monument Federal #21-17 is located approximately 13 miles Southwesterly of Myton Utah, in the NE1/4 NW1/4 Section 17, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 21-17, 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 11.4 miles to an intersection with the Pariette Bench road, turn right and continue 1.7 miles to proposed access road sign. Follow flags 400 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" (shown in GREEN)

Approximately 400 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 - 4%
- 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 - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattleguards or fence cuts - none required.

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

J. The proposed access road has been centerline flagged.

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

Please Refer to Map "C"

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

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

A. Existing

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

B. New Facilities Contemplated

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

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

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

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

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

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be

hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah.

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 ninety (90) 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. If at the time of construction it is determined to be necessary, the reserve pit will be

lined with a plastic nylon reinforced liner.

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

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

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

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to 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.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind between corner #5 and corner #6. Access will be from the North near corner #2.

The reserve pit will not be lined unless requested by the B.L.M. or unless it is deemed necessary by Equitable Resources. If a plastic-nylon reinforced liner is used, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

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

10. Plans for Reclamation of the Surface:

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

A. Production

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

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

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

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

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

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

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

Pure Live Seed (PLS)	Seed Mix
lbs./acre	
1	Forage Kochia (Kochia prostrata)
5	Ephriam Crested Wheatgrass (Agropyron cristatum Ephriam)
4	Russian Wildrye (Elymus junceus)
2	Fourwing Saltbush (Atriplex canescens)

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

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

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 12 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area.

The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

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

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

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

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

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

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

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

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 2. There are no occupied dwellings in the immediate area
 3. An archaeological report will be forwarded upon completion.

4. There are no reported restrictions or reservations noted on the oil and gas lease.
5. A silt catchment basin will be constructed according to BLM specifications approximately 100 feet NE of location corner #6 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

Mike Perius, Operations Supervisor Home (406)656-9719

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by 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.

January 27, 1993

Date

Bobbie Schuman

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

BALCRON OIL COMPANY

Geologic Prognosis

EXPLORATORY _____
DEVELOPMENT X

WELL NAME: Balcron Monument Butte Fed #21-17 PROSPECT/FIELD: Monument Butte
 LOCATION: NEW 500 FWL, 1980 FWL SECTION 17 TOWNSHIP 9S RANGE 17E
 COUNTY: Duchesne STATE: UT GL(Ung): 5369.3 EST KB: 5381 TOTAL DEPTH 5650

FORMATION	Prognosis		Sample Top		Cnll Wl.	FORMATION	Prognosis		Sample Top		Cnll
	Depth	Datum	Depth	Datum			Depth	Datum	Depth	Datum	
KB		5381			5604						
Duchesne	Surf										
Green River	1357	4024			4044						
Horseshoe Bench	2081	3300			3320						
Pay #1 Y-1	4022	1359			1379						
Pay #2 Y-2	4059	1322			1342						
Douglas Creek	4521	860			880						
Pay #3 R-5	4705	676			696						
Wasatch Tongue	5357	24			44						
Pay #5 B-1	5389	-8			12						
Pay #6 B-3	5574	-193			-173						
TD	5650										

CONTROL WELL: Private Federal Otr/Oli: NNW Section 17 Township 9S Range 17E
#11-17

SAMPLES:		LOGS:	
50	samples, 1000	to 4000	DIL from Surf csg to TD
20	samples, 4000	to TD	LDT/CNL from 3500 to TD
	samples, _____	to _____	from _____ to _____
	samples, _____	to _____	from _____ to _____
	samples, _____	to _____	from _____ to _____
	samples, _____	to _____	from _____ to _____
	samples, _____	to _____	from _____ to _____

Send Samples To:
Utah Geological Sample Library
1-Dry Out

CORES: NONE
 DRILL STEM TESTS: NONE

MUD LOGGER/HOT WIRE: Required: (Yes/No) Yes
 Type: Two Man
 WELLSITE GEOLOGIST: From 1000 to TD
 Name: _____ Tele. #: (____) _____
 Address: _____

COMMENTS:

PREPARED BY: K. K. Reinschmidt/S. W. VanDelinder DATE: 11/16/92
 R

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed 21-17
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight (9.63 ppg) : 0.500 psi/ft
 Shut in surface pressure : 2260 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	5,650	5-1/2"	15.50	J-55	ST&C	5,650	4.825

	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Load (kips)	Tension Strgth (kips)	S.F.
1	2825	4040	1.430	2825	4810	1.70	87.58	202	2.31 J

Prepared by : McCoskery, Billings, MT
 Date : 11-30-1992
 Remarks :

Minimum segment length for the 5,650 foot well is 1,500 feet.
 The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and
 2,825 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)



United States Department of the Interior



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

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

April 25, 1989

NOTICE

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

OIL AND GAS

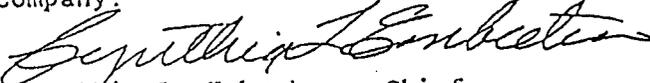
CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

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

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

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

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


Cynthia L. Embretson, Chief
Fluids Adjudication Section

1 Enclosure
1-Exhibit A

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

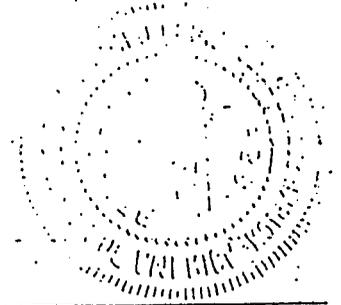
Form 3104-8
(July 1984)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Act of February 25, 1920 (30 U.S.C. Sec. 181)
Act of August 7, 1947 (30 U.S.C. Sec. 351)

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



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

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

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

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

SCHEDULE A

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

NAMES OF STATES

ALL STATES

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

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

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

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



SURETY RIDER

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

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM. Bond No. MT0576)

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

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

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

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

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

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

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

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

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

EQUITABLE RESOURCES ENERGY COMPANY
PRINCIPAL

By: _____ TITLE

SAFECO INSURANCE COMPANY OF AMERICA
SURETY

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



POWER OF ATTORNEY

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

EXHIBIT "E" Page 4 of 4
3798

No. _____

KNOW ALL BY THESE PRESENTS:

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

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

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

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

this 4th day of September, 19 87.

CERTIFICATE

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

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

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

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,
(i) The provisions of Article V, Section 13 of the By-Laws, and
(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
(iii) Certifying that said power-of-attorney appointment is in full force and effect,
the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

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

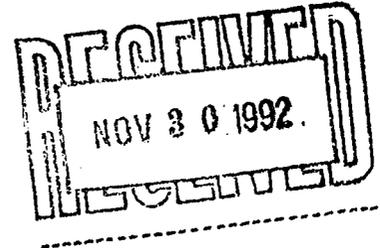
IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 10th day of April, 19 89.

ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

November 24, 1992



Subject: **CULTURAL RESOURCE EVALUATION OF 7 PROPOSED
WELL LOCATIONS IN THE CASTLE PEAK DRAW
LOCALITY OF DUCHESNE COUNTY, UTAH**

Project: **BALCRON OIL CO. -- 1992 Development
Program for the Monument Butte Lease Area
UNITS: 14-15, 32-11, 21-17, 14-5, 22-5, 23-5, & 13-8**

Project No.: **BLCR-92-8**

Permit No.: **Dept. of Interior -- UT-92-54937**

Utah Project No.: **UT-92-AF-634b**

To: **Ms. Bobbie Schuman, Balcron Oil Co., P.O. Box 21017, Billings Montana
59104**

**Mr. David Little, District Manager, Bureau of Land Management, 170
South 500 East, Vernal, Utah 84078**

Info: **Antiquities Section, Division of State History, 300 Rio Grande, Salt
Lake City, Utah 84101**

**CULTURAL RESOURCE EVALUATION
OF SEVEN PROPOSED WELL LOCATIONS IN THE
CASTLE PEAK DRAW LOCALITY
OF DUCHESNE COUNTY, UTAH**

Report Prepared for BALCRON OIL COMPANY

**Dept. of Interior Permit No.: UT-92-54937
AERC Project 1358 (BLCR-92-8)**

Utah State Project No.: UT-92-AF-634b

**Principal Investigator & Author of Report
F. Richard Hauck, Ph.D.**



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

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

November 24, 1992

ABSTRACT

Intensive cultural resource evaluations have been conducted for Balcron Oil Company of seven proposed well locations on federal lands in the Castle Peak Draw locality of Duchesne County, Utah. The examinations of these seven locations involved a total of 87.75 acres of which 15.75 acres (1.3 mile) includes five separate access routes associated with Units 14-15, 32-11, 21-17, 14-5, and 13-8. The remaining 70 acres involves ten acre parcels at all seven of the proposed Units (14-15, 32-11, 21-17, 14-5, 22-5, 23-5, and 13-8). These evaluations were conducted between November 3 and 17, 1992 by archaeologist Glade Hadden under the supervision of F. Richard Hauck. An AERC team consisting of Glade Hadden, Lance Harding, Michael Hauck, and F.R. Hauck participated in the recording and analyses of the cultural sites.

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

No diagnostic isolated artifacts were observed during the evaluations.

A paleontologically sensitive area was observed and flagged for avoidance in association with the access route into Unit 14-5.

Two newly identified cultural resource activity loci were evaluated and recorded during the examinations. These sites (42DC 765 and 42DC 766) consist of a significant open occupation and a significant lithic scatter associated respectively with proposed Units 13-8 and 23-5.

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

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LIST OF MAPS OF THE PROJECT AREA

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MAP 2: Cultural Resource Survey of Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County	3

GENERAL INFORMATION

Between November 3 and 17, 1992, archaeologist Glade Hadden acting under the supervision of F.R. Hauck conducted intensive cultural resource evaluations for Balcron Oil Company of Billings, Montana. These examinations involved seven separate well locations (14-15, 32-11, 21-17, 14-5, 22-5, 23-5, and 13-8) and five linear access route evaluations totaling 1.3 mile associated with Units 14-15, 32-11, 21-17, 14-5, and 13-8. This project area is situated in the Castle Peak Draw locality of Duchesne County, Utah.

This project is situated on federal lands administered by the Diamond Mountain Resource Area of the Vernal District of the Bureau of Land Management.

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

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management relative to the locations on public lands, and to the Antiquities Section of the Utah State Division of History. This work was done under U.S. Department of Interior Permit for Utah UT-92-54937 which expires on January 31, 1993.

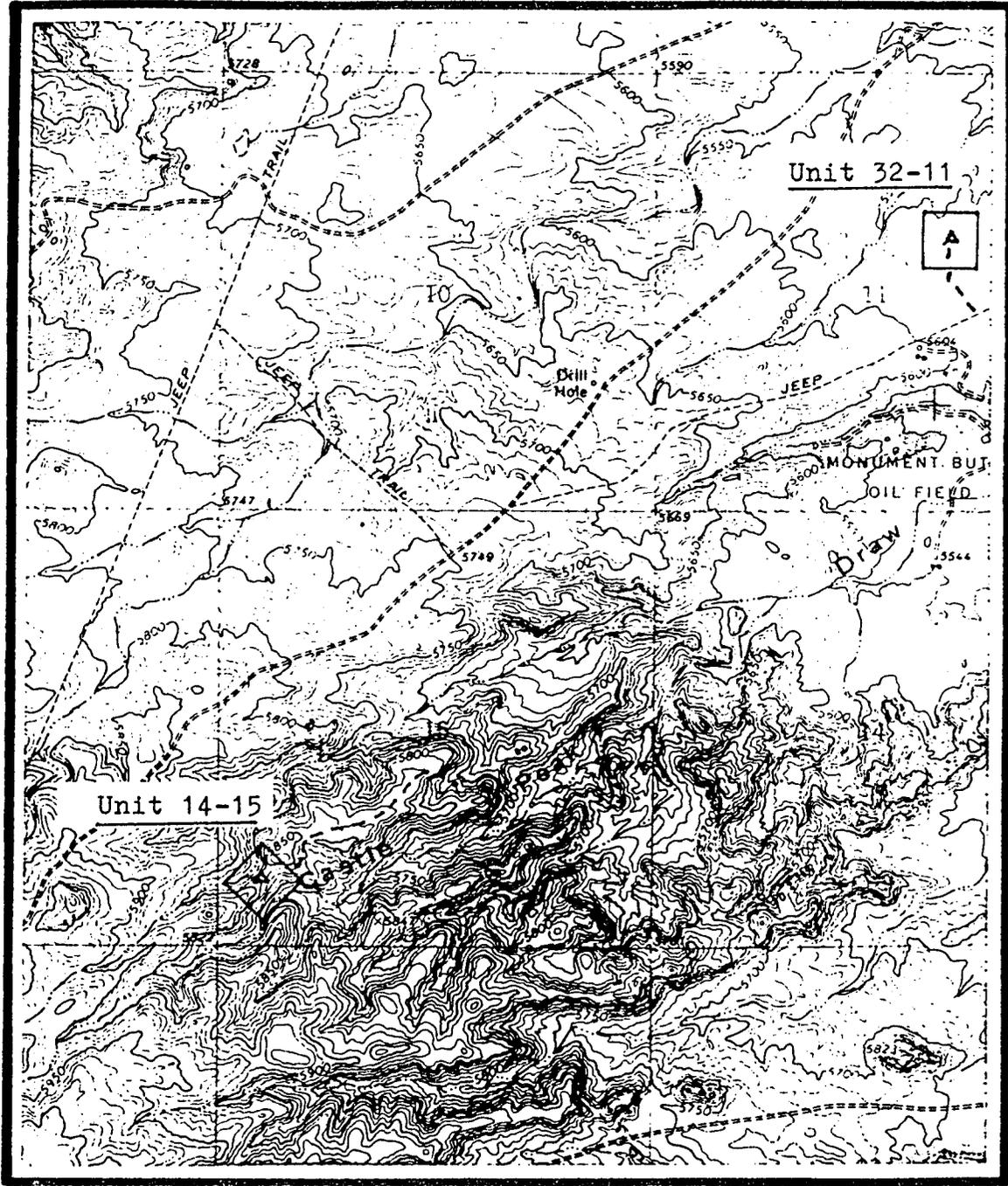
The seven evaluated well locations included seven 10 acre parcel evaluations for a total of 70 acres. A series of 15 to 20 meter-wide survey transects were walked within the 100 foot-wide corridors associated with the five access routes covering a total distance of 1.3 miles or some 15.75 acres. A total of 85.75 acres were examined during this inventory.

Project Location

The project location is in the Vernal District of the Bureau of Land Management. It is situated on the Myton SE, 7.5 minute topographic quad as shown on the attached maps.

Unit 14-15 is situated in the SW - SW quarter of Section 15, Township 9 South, Range 16 East. Its access route extends for ca. .5 mile to the northeast into the center of that section to connect with another well location (see Map 1).

AERC



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

MAP 1
 Cultural Resource Survey
 of Proposed Well Locations
 in the Castle Peak Draw
 Locality of Duchesne Co.

Legend:
 Well Location 
 Access Route 
 Ten Acre Survey Area 

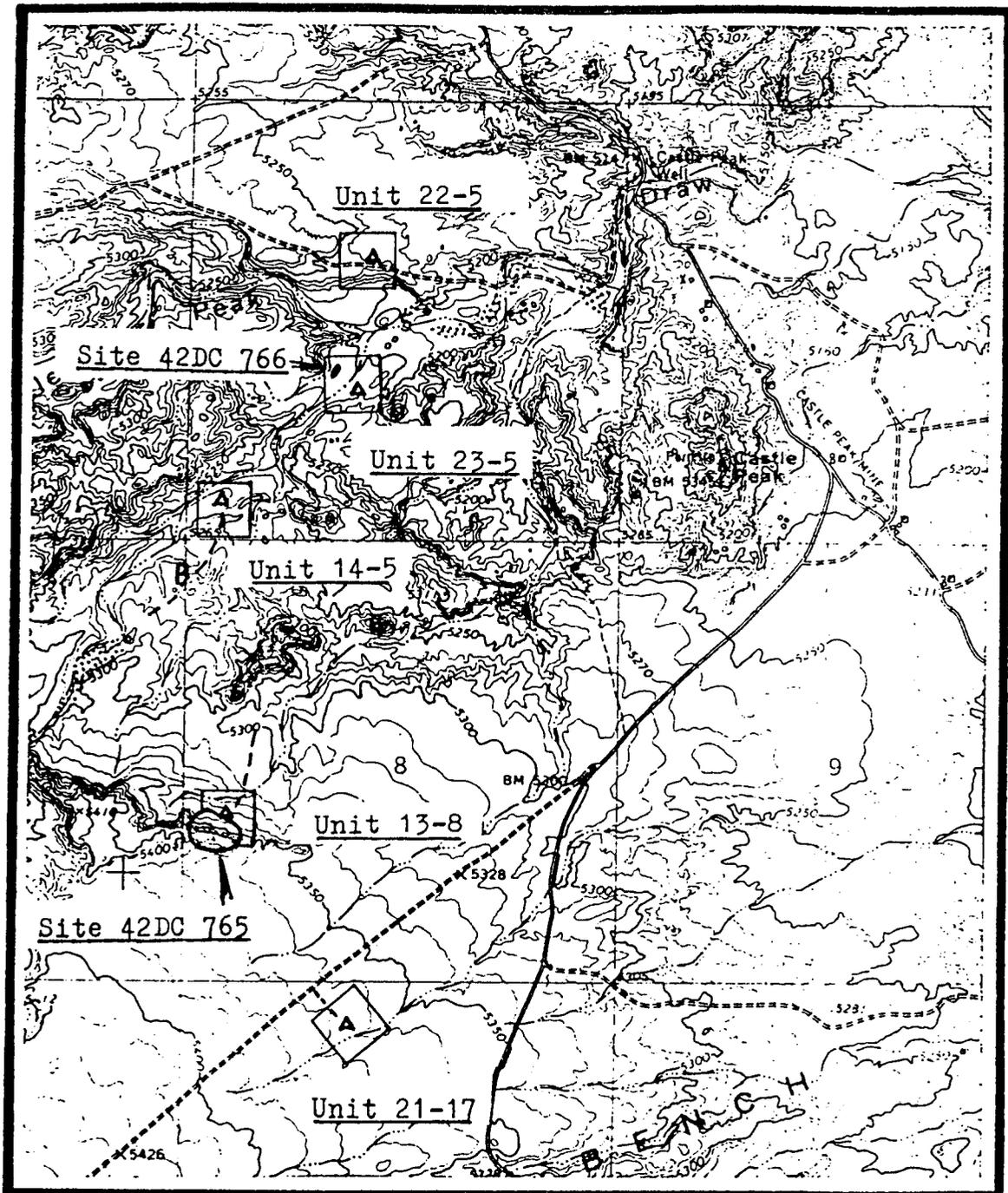
4
 N

Project: BLCR-92-8
 Series: Uinta Basin
 Date: 11-24-92

Scale: 1:24000



AERC



T. 9 South
 R. 17 East
 Meridian: SL
 Quad: Myton SE,
 Utah

MAP 2
 Cultural Resource Survey
 of Proposed Well Locations
 in the Castle Peak Draw
 Locality of Duchesne Co.

- Legend:**
- Well Location
 - Location
 - Access Route
 - Ten Acre Survey Area
 - Cultural Site
 - Paleontologically Sensitive Area



Project: BLCR-92-8
Series: Uinta Basin
Date: 11-24-92
Scale: 1:24000



Unit 32-11 is in the SW - NE quarter of Section 11 of that same township and range. An access route extends ca. .25 mile north from the existing road to the location (see Map 1).

Units 22-5, 23-5 and 14-5 are situated in Section 5, Township 9 South, Range 17 East. These three units are respectively situated in the SE - NW, NE - SW, and SW -SW quarters of that section (see Map 1). Units 22-5 and 23-5 are adjacent to the existing roadways. Unit 14-5 is accessible via a ca. .3 mile-long access that begins in the NE - NE of adjacent Section 7 and extends to the northeast to the well location.

Unit 13-8 is located in the NW - SW quarter of Section 8, Township 9 South, Range 17 East (see Map 2). Its .25 mile-long access comes in from an existing roadway to the north of the location.

Unit 21-17 is also located in Township 9 South, Range 17 East. It is situated in the NE - NW quarter of Section 17 (see Map 2). This unit has a short (ca. 500 foot-long) access route which will connect the location with the existing road to the north of the location.

Environmental Description:

The project areas range within the 5200 to 5900 foot elevation zone above sea level. Open rangeland terrain surfaces are associated with all locations.

The vegetation in the project area includes *Chrysothamnus spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Artemesia tridentata*, *Atriplex canescens*, and *Bromus tectorum*.

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

PREVIOUS RESEARCH IN THE LOCALITY

File Search

Records searches of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City were conducted on September 8, and November 3, 1992. A similar search was conducted in the Vernal District Office of the BLM on November 3, 1992. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Castle Peak Draw locality. Most of these prehistoric resources, including 42DC 349, 350, 351, 352, 353, 732, 761, and 763 have been identified and recorded by AERC during previous evaluations (Hauck 1981, 1992a, 1992b, 1992c, 1992d). Additional sites previously recorded in this locality include Sites 42DC 423, 424, and 425 which were documented by Sagebrush (Polk 1982).

Prehistory and History of the Cultural Region

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

Site Potential in the Project Development Zone

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

The majority of known sites in this project area are lithic scatters (42DC 349, 350, 353 and 763). Open occupations such as 42DC 352 are also present. Sites 42DC 351 and 761 are rock shelters. Based on the recovery of a Folsom point and a Desert Side-notch arrow point, a possible Paleoindian component and a more recent Numic component exist on Site 42DC 353. Sites in the project locality generally appear to have been occupied during the Archaic Stage and the Late Prehistoric Period.

Site density in Castle Peak Draw appears to range from six to over ten sites per section. This moderate to high density decreases substantially on the benches.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking 10 to 20 meter-wide transects within each ten acre parcel associated with a well location. In addition, double 15 to 20 meter-wide transects were walked flanking the flagged centerline. Thus, ca. 1.3 miles or 15.75 acres of public lands associated with the five access routes and another 70 acres associated with the seven well locations were examined by Glade Hadden acting under the direction of F. Richard Hauck, the Principal Investigator.

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

Site Significance Criteria

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

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

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

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

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

Results of the Inventory:

Two significant prehistoric cultural resource activity loci were observed, evaluated and recorded during the archaeological evaluations. These sites have been subsequently listed in the State and BLM files as 42DC 765 and 42DC 766.

Site 42DC 765 consists of a 220 x 150 meter lithic scatter/rock shelter complex that is predominantly associated with the southern edge and slope of an exposed sandstone ledge complex. Detritus spread extends nearly 40 meters south of the ledge and a sparse scatter of detritus exists on the north slope of the ledge within the perimeters of staked unit No.13-8. This generally dispersed distribution of primarily secondary flakes and core fragments indicates extensive prehistoric activity within the southern portion of this site. The stabilized sand deposits in the site may contain buried features. Sandstone fragments indicate presence of both deflated and buried hearths. Site contains three components: an extensive prehistoric occupation, a historic camp, and a modern sheepherder camp. The historic is primarily defined by the presence of green and purple glass and soldered-top tin cans. Site is in three units. Unit A which measures ca. 120 meters east-west is on the east side of the site and has a southern exposure. Unit A contains the three components, a large lithic scatter, and a shallow rock shelter complex. Unit B is on the western end of the site and contains an exposed ledge complex. It also has a southern exposure. A badly vandalized rock shelter marks the western end of Unit B. Unit B also contains a dispersed lithic scatter and some scattered historic and modern debris. Unit B contains fragments of a mano and metates near the shelter as well as oxidized stone. Unit C is on the north slope of the rock outcrop. The southwest corner of proposed Well No. 13-8 has been staked overlapping into Unit C. Unit C contains several isolated flakes and a collector's pile which is well outside the proposed development zone. Unit C contains low, stabilized dunes which may have potential for containing buried features and occupational surfaces. Because Unit C has a northern exposure, its potential for containing extensive occupational strata and material deposits is relatively low. Temporal and cultural associations for this site are presently unknown; no diagnostic artifacts or exposed features were observed during the survey.

This site is a significant resource. Units A and B particularly have the potential for providing pertinent and valuable information on the prehistory of the region relative to criterion d of Title 36 CFR 60.6. These two units also have excellent

to good research potential. Unit C has marginal significance due to the lack of artifact and feature contexts. Its cultural value is primarily associated to its relationship to the more intensively occupied portions of the site, i.e., Units A and B, which are to the south and above the proposed well location.

Proposed Well 13-8 will overlap into the northeastern portion of Unit C. About five isolated flakes were observed in the development zone. A collector's pile of detritus is also situated in Unit C but is well outside the construction area (ca. 130 meters to the west of the well center). The low stabilized dunes in Unit C may contain buried features and occupational strata but that potential is considered to be relatively low. AERC recommends that the development of the well pad be monitored by a qualified archaeologist in order to identify and properly mitigate any cultural strata, materials, or features that may be exposed during the construction phase. AERC does not recommend any further action relative to Units A and B since both portions of the site are well outside the development area and because previous vandalism has already seriously disturbed the primary rock shelter on the site in Unit B. The shallow shelter areas in Units A and B that may contain intact cultural strata and/or features are not readily discernible by most individuals, hence the potential for secondary impact in Units A and B is considered to be nominal and no further action is advised.

Site 42DC 766 consists of a 20 x 15 meter lithic scatter that is situated on the top of a low, stabilized dune that parallels the drainage channel on the north side of the road and the channel. The site contains a relatively sparse (32 items counted) scatter of secondary flakes which are predominantly Parachute Creek chert. The stabilized sand deposits in the site proper may possibly contain buried features. Temporal and cultural associations for this site are presently unknown; no diagnostic artifacts or exposed features were observed during the survey.

This site is a significant resource and has research potential qualifying under criterion d of Title 36 CFR 60.6.

Site 42DC 766 is situated within the ten acre survey parcel associated with Well Unit No. 23-5 but is not within the potential development zone. This site is not endangered by secondary impact, i.e. vehicle traffic or vandalism, since it is across the drainage channel from the road and the proposed well location and thus not adjacent to the development area. In addition, the site is not readily identifiable to potential collectors or vandals. For these reasons, AERC does not propose any mitigation recommendations relative to Site 42DC 766.

None of the previously recorded cultural sites in this project locality will be adversely affected by the proposed developments.

No isolated diagnostic artifacts were observed or collected during the survey.

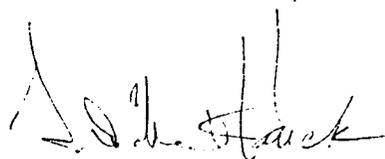
A single paleontologically sensitive locality was identified during this survey. This locality is associated with a partially exposed clay hill adjacent to the access route into Unit 14-5 (see Map 2). This low, clay mound which has the potential for containing intact turtle remains was flagged in red to facilitate avoidance during the road construction phase.

CONCLUSION AND RECOMMENDATIONS

The development and maintenance of these seven locations will not have any adverse effect on the cultural resources in this locality including Sites 42DC 765 and 42DC 766 as long as the recommendations provided below are followed.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of the seven well locations noted above based upon adherence to the following stipulations:

1. The initial development of Unit 13-8 should be monitored by a qualified archaeologist in order to insure the identification, recording, and proper mitigation of any buried cultural deposits, occupational strata, or features which could be adversely impacted during this construction phase.
2. Development of the access route into Unit 14-5 should avoid disturbing the red-flagged clay mound which may contain a sensitive paleontological deposit.
3. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
4. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
5. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the development areas.



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

REFERENCES

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation (AERC), Bountiful.

Polk, Michael

- 1982 Cultural resource inventory of NGC Well No. 12-8h. Report prepared by Sagebrush Archaeological Consultants, Ogden.

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___

Comments: _____

Summary Report of
Inspection for Cultural Resources

C A S T L E P E A K D R A W 7 W E L L U N I T S

1. Report Title

BALCRON OIL CO. (14-15, 32-11, 21-17, 14-5, 22-5, 23-5, & 13-8)
2. Development Company

3. Report Date 1 1 27 1 9 9 2 4. Antiquities Permit No. UT-92-54937

5. Responsible Institution A E R C B L C R - 9 2 - 8 Duchesne County

6. Fieldwork

7. Resource Area .D.M. Location: TWN RNG Section. . . | . . | . . | . . | . . |
0 9 S 1 6 1 1 1 5
0 9 S 1 7 0 5 0 8 1 7
TWN RNG Section. . . | . . | . . | . . | . . |

8. Description of Examination Procedures: The archeologist, Glade Hadden, acting under the direction of F.R. Hauck intensively examined seven 10 acre well parcels and associated access routes by walking a series of 10 to 20 meter-wide transects within the locations and along the flagged access centerlines.

9. Linear Miles Surveyed 1 . 3 10. Inventory Type I
and/or Definable Acres Surveyed R = Reconnaissance
and/or Legally Undefinable Acres Surveyed 8 7 . 7 5 I = Intensive
S = Statistical Sample

11. Description of Findings: Two cultural resource sites were identified during the survey. Site 42DC 765 is a rock shelter/lithic scatter complex. Site 42DC 766 is a lithic scatter. Both sites are significant resources.
12. Number Sites Found .2. (No sites = 0)
13. Collection: .N. (Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected: The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 9-8-92 & 11-3-92
Vernal District Office Records 11-3-92

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations:

1. The initial development of Unit 13-8 should be monitored by a qualified archaeologist in order to insure the identification, recording, and proper mitigation of any buried cultural deposits, occupational strata, or features which could be adversely impacted during this construction phase.

2. Development of the access route into Unit 14-5 should avoid disturbing the red-flagged clay mound which may contain a sensitive paleontological deposit.

3. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

4. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

5. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the development areas.

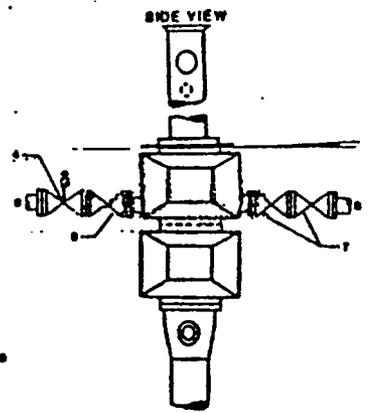
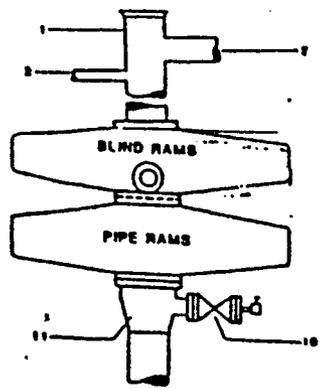
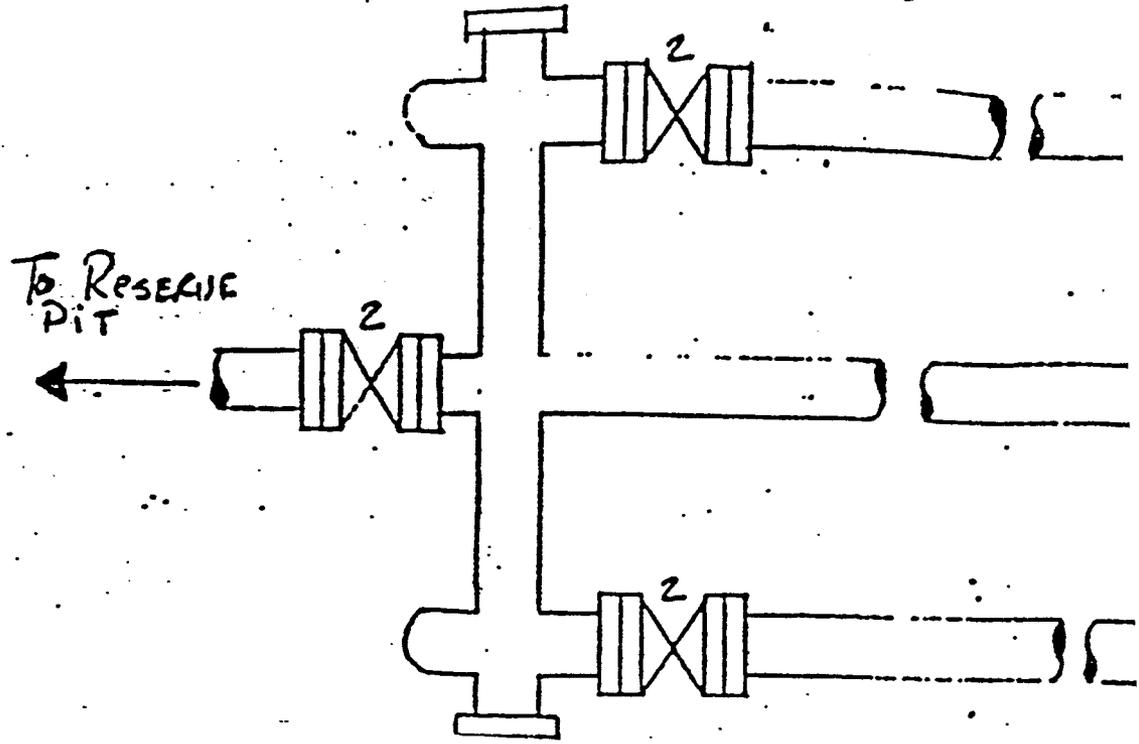
17. Signature of Administrator
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field
Supervisor

[Signature]
[Signature]

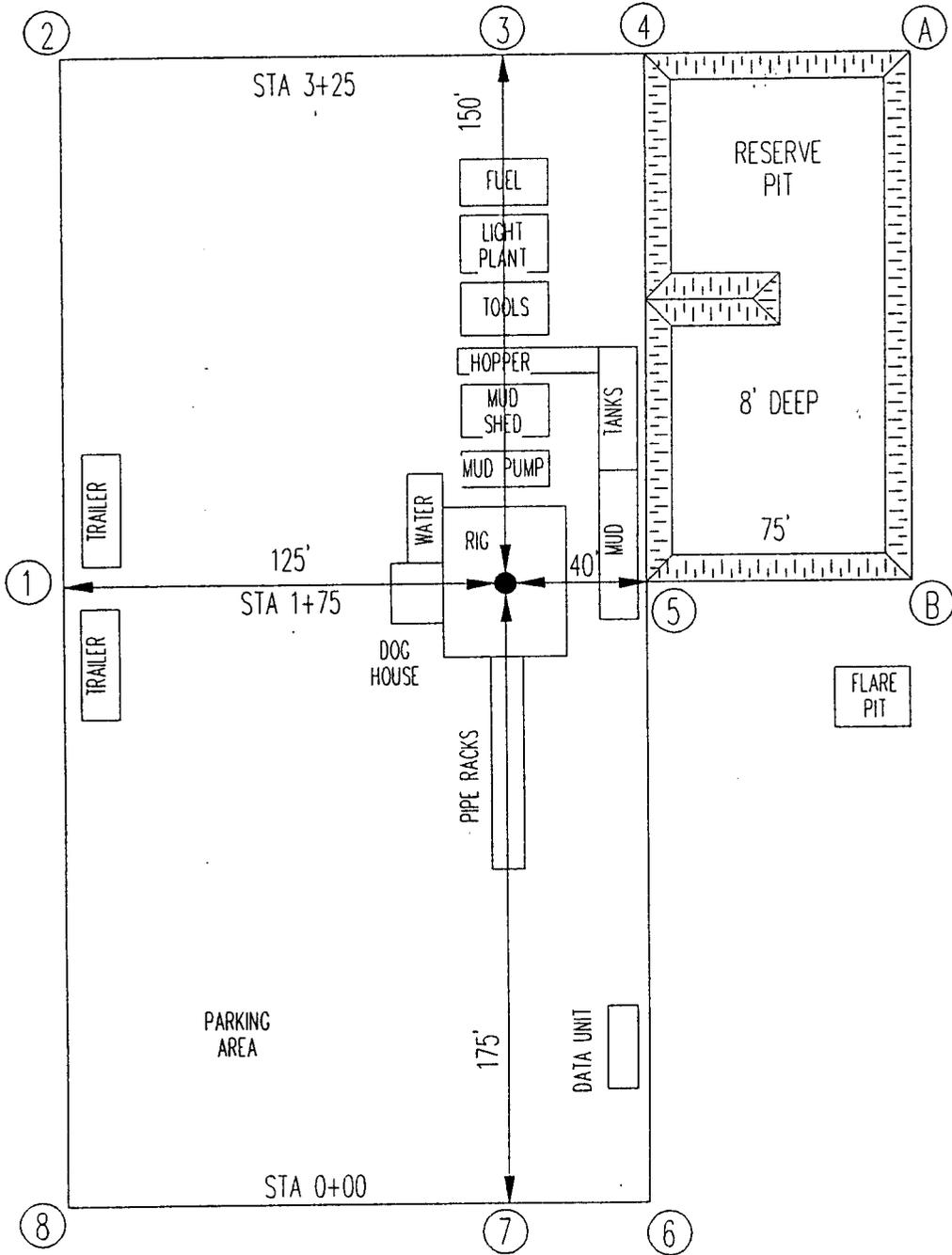


VII

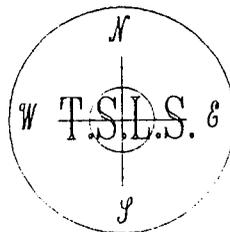
MANUAL 1-21-61

MANUAL 1-21-61

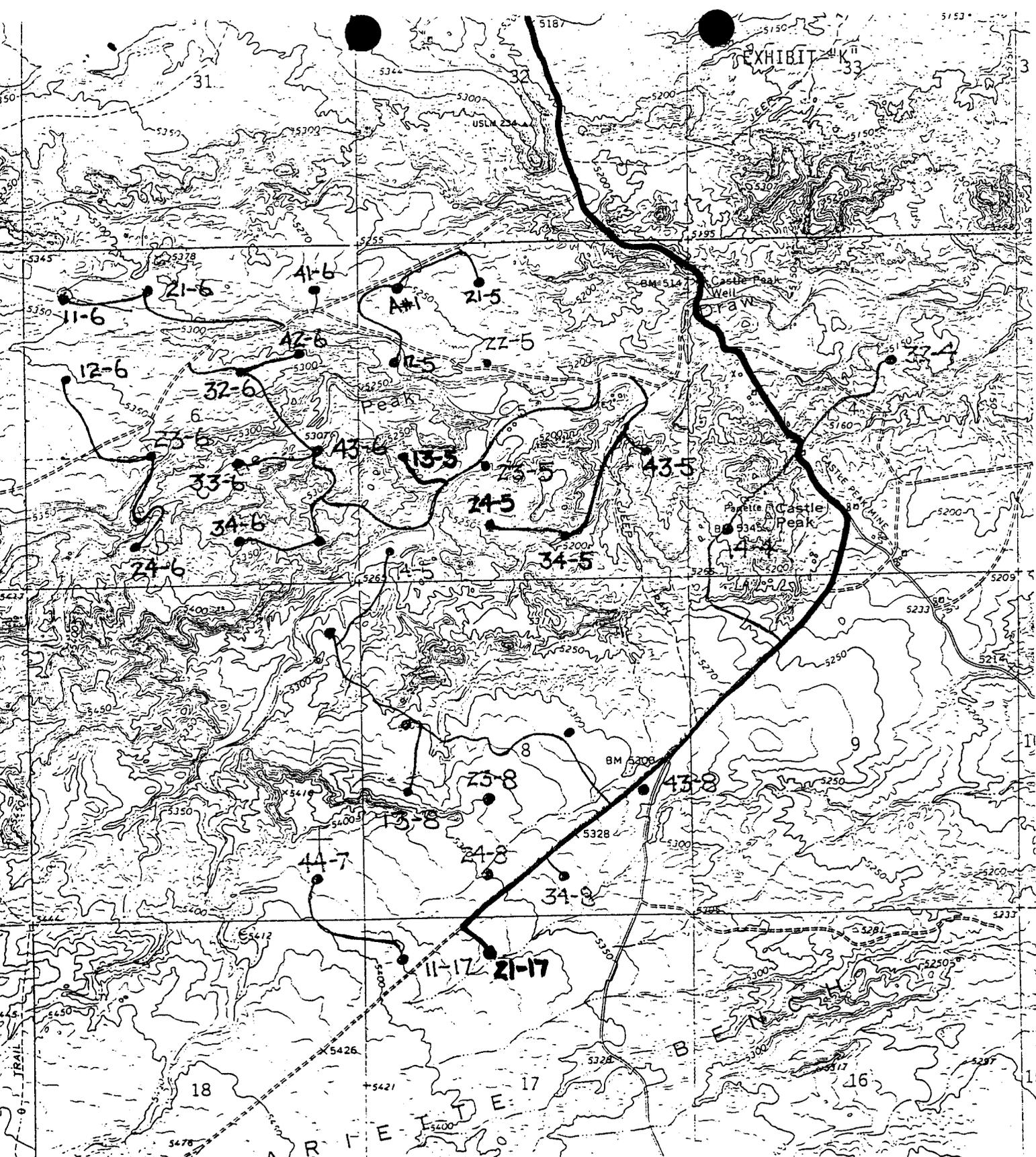
BALCRON MONUMENT FEDERAL WELL LAYOUT #21-17



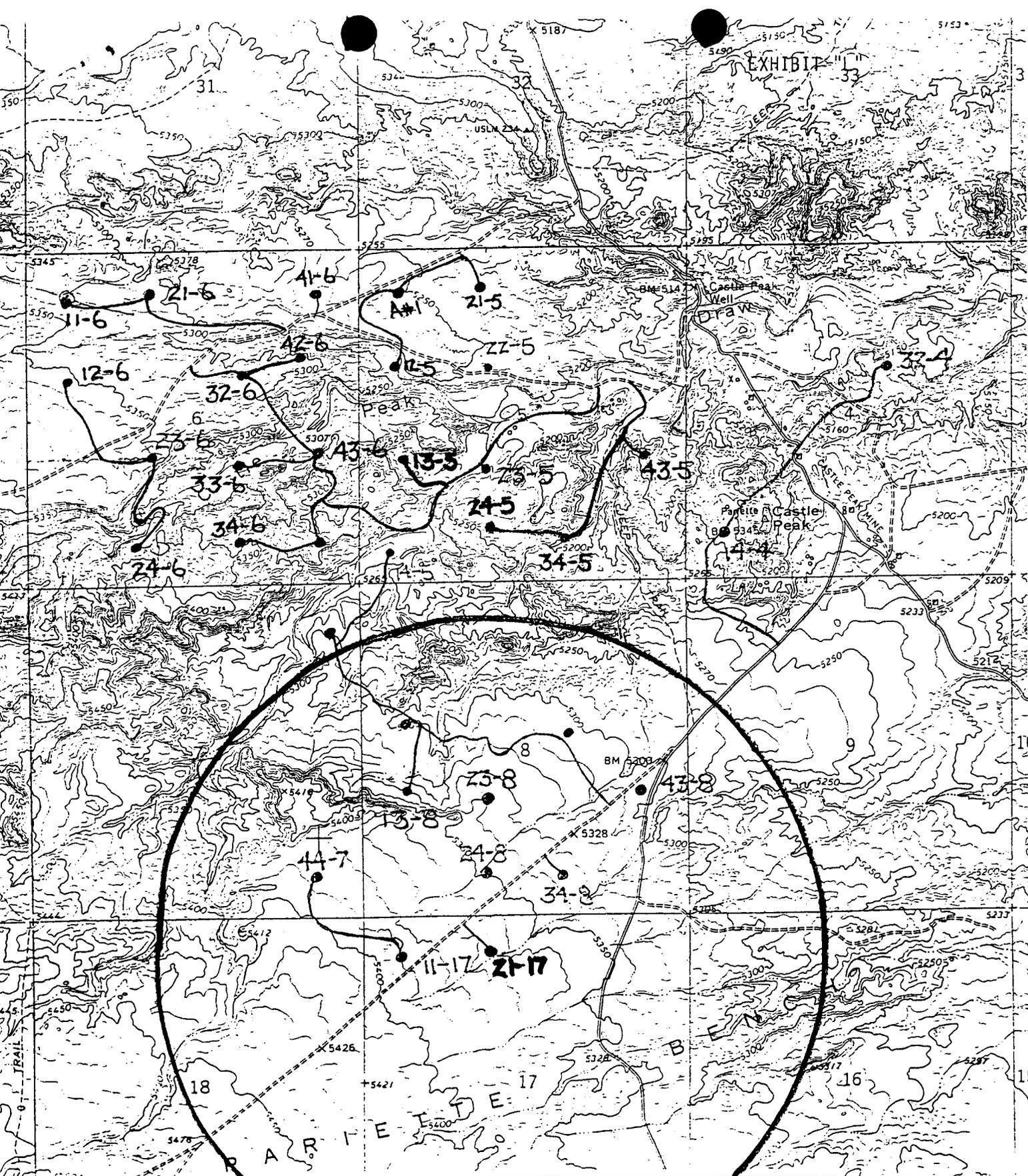
SCALE: 1" = 50'



TRI-STATE LAND SURVEYING
P.O. BOX 533 VERNAL, UT. 84078
(801)781-2501

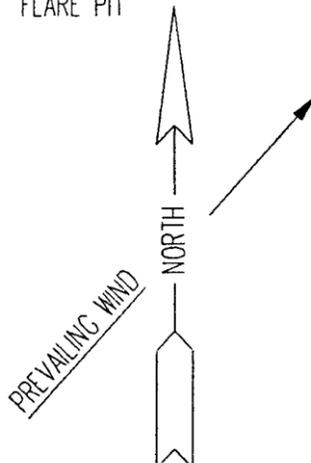
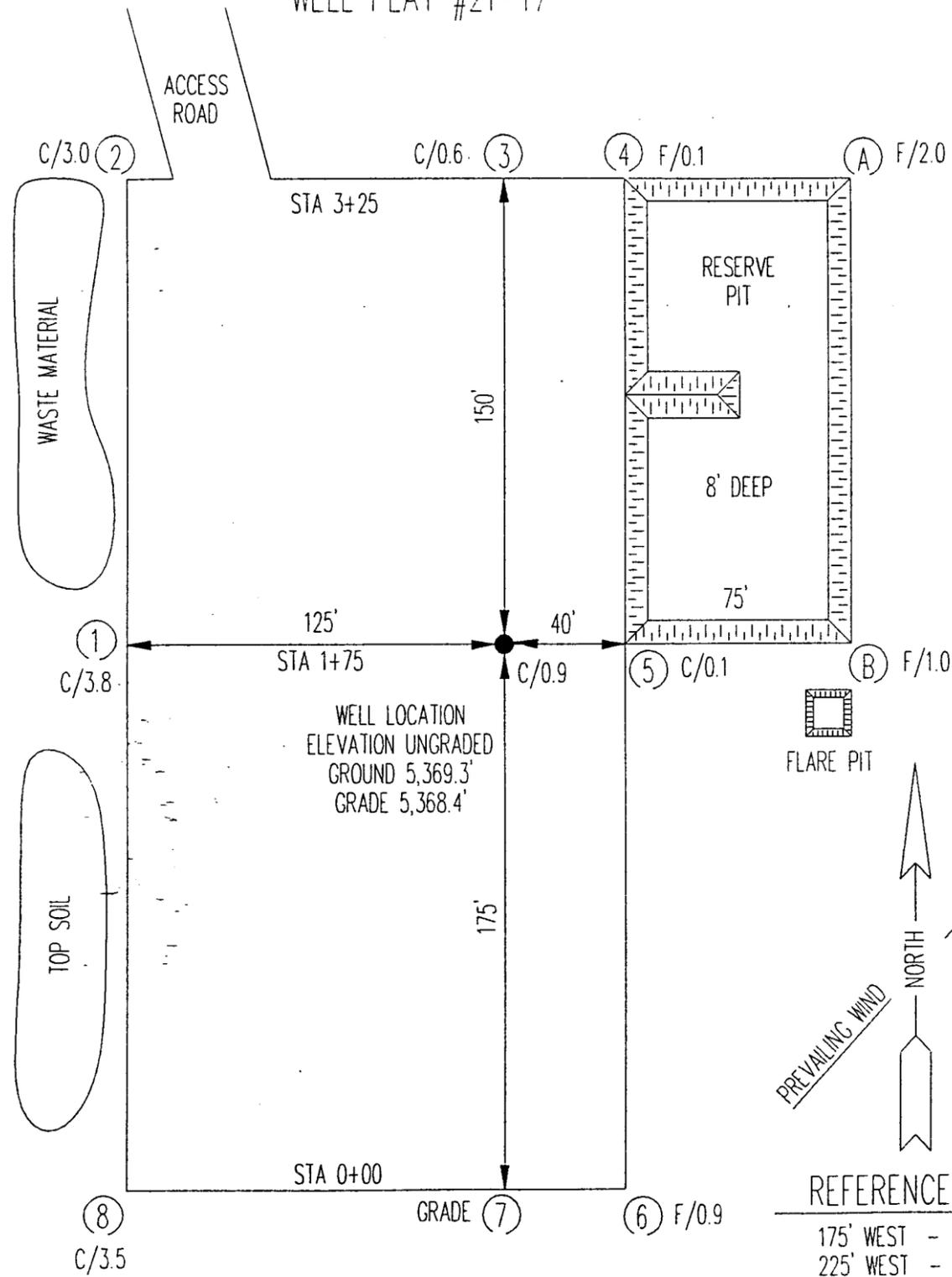


BALCRON MONUMENT FEDERAL
MAP "B"



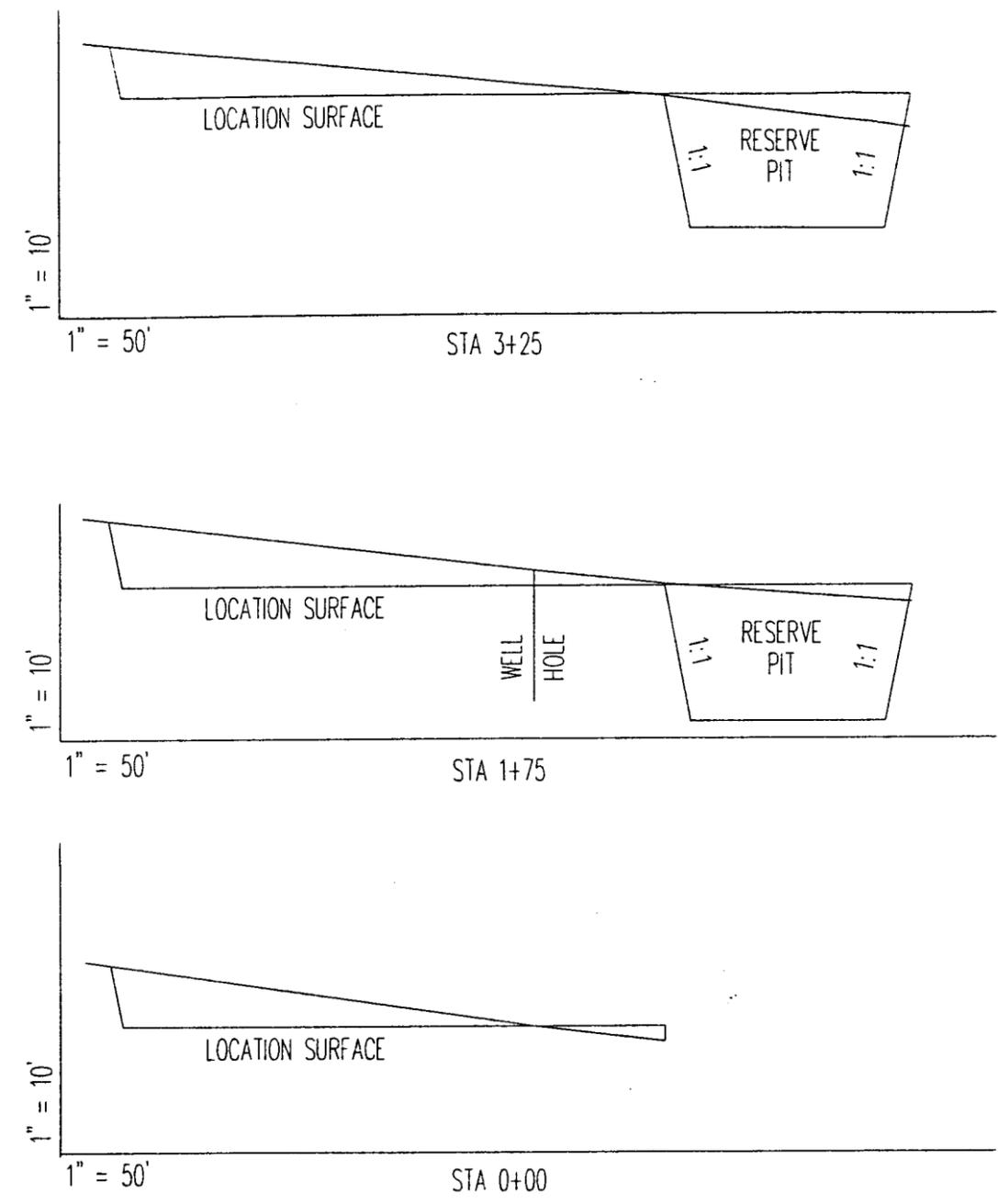
BALCRON MONUMENT FEDERAL
MAP "C"

BALCRON MONUMENT FEDERAL
WELL PLAT #21-17



REFERENCE POINTS

175' WEST	-	5,362.4'
225' WEST	-	5,361.0'
200' SOUTH	-	5,368.6'
250' SOUTH	-	5,367.8'



APPROXIMATE YARDAGE

CUT	=	3,249.7
FILL	=	152.9
PIT	=	2,977.8

TRI-STATE LAND SURVEYING
P.O. BOX 533 VERNAL, UT. 84078
(801)781-2501

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 04/07/93

OPERATOR: BALCRON OIL

OPERATOR ACCT NO: N- 9890

WELL NAME: BALCRON MONUMENT FEDERAL 21-17

API NO. ASSIGNED: 43-013-31387

LEASE TYPE: FED LEASE NO: J-3563-A
LOCATION: NENW 17 - T09S - R17E DUCHESNE COUNTY
FIELD: MONUMENT BUTTE (105) FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

- Plat
- Bond
(Number Federal)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number no permit #)
- 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:

you add wells within sec 17

STIPULATIONS:

1- Water Permit
cc Duchesne county assessor

CONFIDENTIAL
PERIOD
EXPIRES
ON 12-31-94



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

April 27, 1993

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

Gentlemen:

Re: Balcron Monument Federal #21-17 Well, 500 feet from the north line, 1980 feet from the west line, NE 1/4 NW 1/4, Section 17, Township 9 South, Range 17 East, Duchesne County, Utah

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. Submittal to the division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after drilling operations commence.
4. 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.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.



Page 2
Equitable Resources Energy Company
Balcron Monument Federal #21-17 Well
April 27, 1993

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 R.J. Firth, Associate Director, (Home) (801)571-6068.
7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31387.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Bureau of Land Management
Duchesne County Assessor
J.L. Thompson

WO11

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.
U-3563-A

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.
#21-17

10. FIELD AND POOL, OR WILDCAT
Monument Butte/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE NW Sec. 17, T9S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
EQUITABLE RESOURCES ENERGY COMPANY Balcron Oil 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 or Federal regulations)
 At surface: 500' FNL, 1980' FWL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 13 miles SW of Myton, Utah

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

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5369.3' GL

RECEIVED

43-013-31287 AUG 02 1993

DIVISION OF GAS LINES

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT	"D" for details			

RECEIVED
APR 12 1993

EXHIBITS ATTACHED

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

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. Bobbie Schuman Coordinator of Environmental and Regulatory Affairs DATE April 5, 1993

SIGNED: Bobbie Schuman

(This space for Federal or State office use)

PERMIT NO. _____

APPROVED BY: [Signature] TITLE: ASSISTANT DISTRICT MANAGER MINERALS DATE: JUL 28 1993

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

*See Instructions On Reverse Side

CONTINUING PERMIT PROGRAM ATTACHED

44080-3m-040

WELL LOCATION INFORMATION

Company/Operator: Equitable Resources Energy Company

API Number 43-013-31387

Well Name & Number: Balcron Monument Federal 21-17

Lease Number: U-3563-A

Location: NENW Sec. 17 T.9 S. R.17 E.

Surface Ownership: Federal

Date NOS Received _____

Date APD Received April 12, 1993

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

Company Equitable Resources Energy Company Well No. Monument Federal 21-17

Location NENW Section 17, T9S, R17E Lease No. U - 3563

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. As per Equitable Resources Energy Company, a double ram BOP stack will be used instead of the annular preventer as identified in the BOP diagram. 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.

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 284 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 84 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:

Gerald E. Kenczka
Petroleum Engineer

(801) 781-1190

Ed Forsman
Petroleum Engineer

(801) 789-7077

BLM FAX Machine

(801) 789-3634

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, spend 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 Operations:

"If a plastic nylon reinforced liner is used, it will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O."

Fall seeding is preferred and will be done after September 15 and before the ground freezes, spring seeding will be done prior to April 15.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. 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.

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.

The requested emergency pit is hereby approved under NTL-2B, Section VI, subject to the following Conditions of Approval:

1. If emergency use occurs, the emergency pit shall be emptied and the liquids disposed of in accordance with applicable State and/or Federal regulations within 48 hours following its use, unless such time is extended by the authorized officer.
2. As much as practicable, the emergency pit shall be located on level ground, and away from drainage patterns and unstable ground.
3. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for the drilling reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
4. Produced water drain lines shall not go to the emergency pit.
5. The pit shall be bermed or otherwise constructed and maintained to prevent entrance of surface water.
6. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.
7. The pit shall be kept free of trash.

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

MINIMUM STANDARDS FOR DAMS IMPOUNDING UNDER 10 AC. FT.

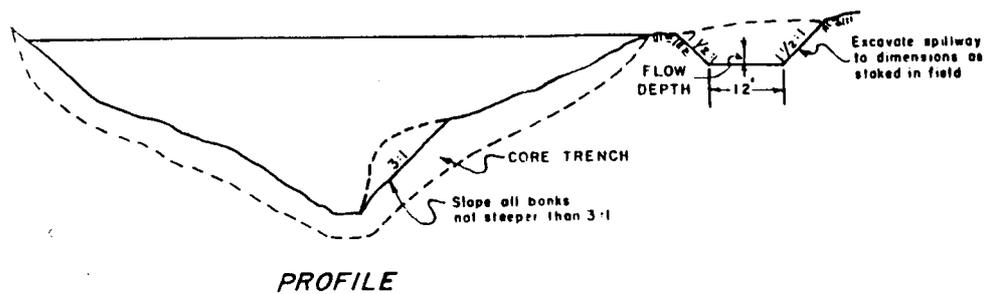
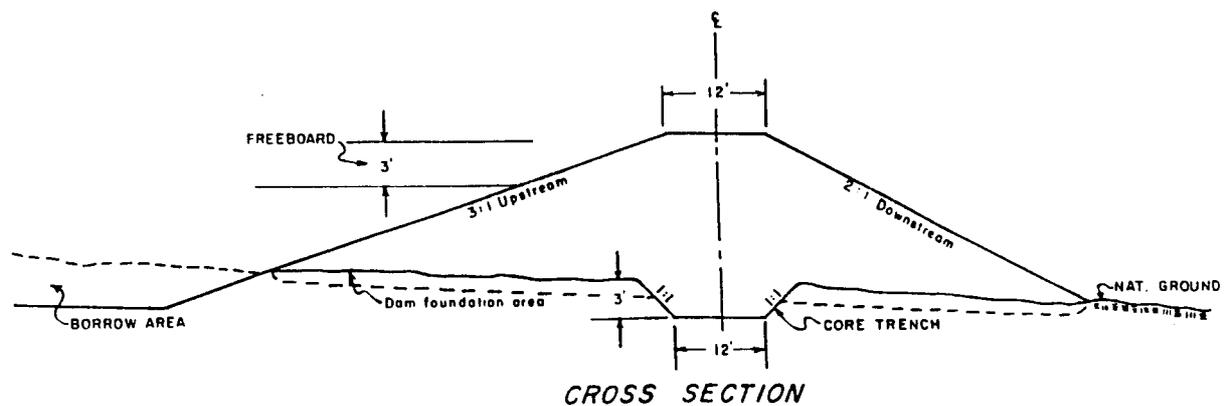
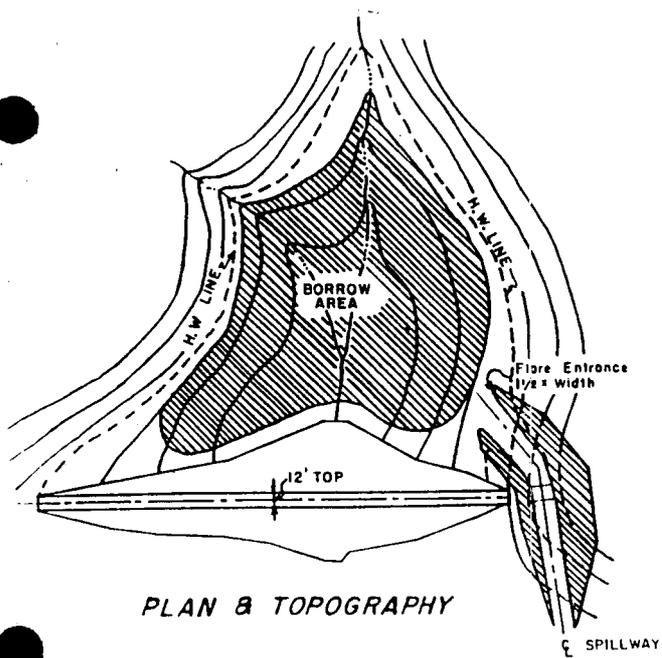
- I. Site Location and Design
 - A. Authorized BLM personnel shall approve site location, fill material, foundation material, and spillway size and location.
 - B. Construction shall be per attached diagram.

- II. Borrow Areas
 - A. Borrow material shall be taken from within the reservoir basin below high water line whenever possible.
 - B. Vegetation, debris, and topsoil shall be removed to a depth of 12 inches below natural ground line and deposited as directed.
 - C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line or spread on downstream side of dam.
 - D. Borrow areas above the high water line shall be contoured to blend into natural ground lines.

- III. Core Trench and Dam Foundation
 - A. A core trench shall be constructed 12 feet wide along the full length of the dam center line to a minimum depth of 3 feet or bedrock.
 - B. Sides of the core trench shall be no steeper than 1:1 slope.

- IV. Dam and Core Fill
 - A. Fill shall be homogenous material, preferably of high impervious, compactable soils (such as high clay content soil free of organic material, sand, or rock).
 - B. Lifts of fill shall not exceed 6 inches when compacted.
 - C. Fill shall be built up at a consistent rate the full length of the dam.
 - D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
 - E. Downstream side of the dam shall be no steeper than 2:1 slope. Upstream side of the dam shall be no steeper than 3:1 slope.
 - F. Top of the dam shall be a minimum of 12 feet wide.
 - G. Maximum water depth against the dam shall be 10 feet when constructed with crawler tractor.

- V. Spillway
 - A. Spillway shall be constructed through natural material.
 - B. Spillway shall be constructed to divert overflow away from fill material or natural material that is an integral part of the dam.
 - C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.
 - D. Construct spillway so there is a minimum of 3 feet of freeboard on the dam.



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
RETENTION DAM TYPICAL PLAN & SECTION	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ CHIEF, DIV. OF P.
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES 43-013-31387

WELL NAME: BALCRON MONUMENT FEDERAL 21-17

Section 17 Township 9S Range 17E County DUCHESNE

Drilling Contractor _____

Rig # _____

SPUDDED: Date 9/24/93

Time _____

How DRY HOLE

Drilling will commence _____

Reported by AL PLUNKETT

Telephone # 1-823-6759

Date 9/28/93 SIGNED JLT

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	11528	43-013-31387	Balcron Monument Federal #21-17	NE NW	17	9S	17E	Duchesne	9-24-93	9-24-93

WELL 1 COMMENTS:

Entity added 9-30-93. See

Spud of new well.

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.

(89)

RECEIVED

SEP 29 1993

DIVISION OF OIL, GAS & MINING

Dobbie Schuman

Signature
Coordinator of Environmental and Regulatory Affairs
Date 9-27-93

Phone No. (406) 259-7860

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 29 1993

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

SUNDRY NOTICES AND REPORTS ON WELLS

DIVISION OF
OIL, GAS & MINING

5. Lease Designation and Serial No.

U-3563-A

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 #21-17

9. API Well No.

43-013-31387

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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)
NE NW Section 17, T9S, R17E
500' FNL, 1980' FWL

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 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 at 11:30 a.m. on 9-24-93 with a dry-hole spudder (Leon Ross).

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

Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs

Date 9-27-93

(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

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 21-17

API NO. 43-013-31387

Section 17 Township 9S Range 17E County DICHESNE

Drilling Contractor MOLIN

Rig # 1

SPUDDED: Date 10/13/93

Time _____

How ROTARY

Drilling will commence _____

Reported by DENNIS INGRAM-DOGM

Telephone # _____

Date 10/21/93 SIGNED JLT

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

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 59102 (406) 259-7860

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

NE NW Section 17, T9S, R17E
500' FNL, 1980' FWL

5. Lease Designation and Serial No.
U-3563-A

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. 21-17

9. API Well No.
43-013-31387

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

11. County or Parish, State
Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>additional surface pipe</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.)*

Verbal approval was given by the Vernal BLM to run additional surface pipe in order to isolate a water zone so that the long string would not have to be cemented back to the surface. This was done on this well.

10-21-93
[Signature]

14. I hereby certify that the foregoing is true and correct
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 10-16-93
(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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

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 59102 (406) 259-7860

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

NE NW Section 17, T9S, R17E
500' FNL, 1980' FWL

5. Lease Designation and Serial No.
U-3563-A

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. 21-17

9. API Well No.
43-013-31387

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

11. County or Parish, State
Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>1st. 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 at 9:30 a.m. November 24, 1993.

14. I hereby certify that the foregoing is true and correct
Signed *Bobbie Schuman* Title Coordinator of Environmental and Regulatory Affairs Date 11/24/93
(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

GEOLOGIC AND DRILLING REPORT
43-013-31387
BALCRON OIL
MONUMENT BUTTE FEDERAL NO. 21-17
NENW SECTION 17-T9S-R17E
DUCHESNE COUNTY, UTAH

BALCRON OIL
P.O. BOX 21017
Billings, Montana 59104

Table of Contents

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Strip Log-----	Pocket

Prepared by:

M.K. Jones
P.O. Box 21194
Billings, MT 59104
(406) 652-4505

Well Summary

OPERATOR: Balcron Oil
LEASE AND WELL NAME: Monument Butte Federal No. 21-17
LOCATION: NENW (500' fn, 1980' fw), Section 17-T9S-R17E
Duchesne County, Utah
ELEVATION: 5369 Ground, 5382 K.B.
SPUD DATE: 11:30 AM, September 24, 1993
COMPLETION DATE: Ran 5 1/2" Casing October 22, 1993
CASING POINT, DATE: October 21, 1993
TOTAL DEPTH: 5650' Driller Depth, 5657' Logger Depth
WELL STATUS: Awaiting Completion as Oil Well
DRILLING CONTRACTOR: Molen Drilling Co., Inc. (Rig up October 14, 1993)
RIG NO.: One
HOLE SIZE: Surface; 12 1/4" to 327'
Main Hole; 7 7/8" to 5650'
SURFACE CASING: 7 Joints (315.45') 8 5/8" @ 327 K.B. w/ 175 sx "G"
+ 2% CaCl, 1/4# sk Cello Seal; Plug Down
@ 1:15 PM September 28, 1993
LOGS: Haliburton Logging Services; DLL Microguard &
Spectral Density Dual Space Neutron
CORES: None
DRILL STEM TESTS: None
SAMPLE QUALITY: Good
SAMPLE DISPOSITION: Utah Geological Sample Library
PRODUCTION CASING: 5 1/2", 15.5# @ Total Depth

DRILLING EQUIPMENT: RIG: Draw Works Emsco GB 250 T
Mast Make LCM Height 106'
Power Twin 671N, GMC Diesels
BLOW OUT PREVENTER: Make Schaeffer, Model 10" - 900
Type Hydraulic Dbl Ram
Drill Pipe Size 4 1/2" Thread XH 16.6#
Drill Collars: NO.18, Length 528.64'
Thread XH, ID 2 1/2", OD 6"

PUMPS: NO. 1 Make EMSCO, Model D-375,
Stroke Length 14"
Liner ID 6".

Penetration Record

DAILY DEPTH AT 6:00 A.M.

Monument Butte Federal 21-17

	PENETRATION		TIME DISTRIBUTION				REMARKS
	DATE	DEPTH	FOOTAGE	DRILLING	REPAIRS	OTHER	
9/24/93	180	180	-	-	-	-	Spud @ 11:30 AM
9/28/93	327	147	-	-	-	-	Run & Cmt 8 5/8" Csg.
10/14/93	760	433	9 1/4	-	14 3/4	-	Move on Molen #1
10/15/93	2066	1306	23	-	1	-	-
10/16/93	2838	772	23	-	1	-	-
10/17/93	3555	717	23	-	1	-	-
10/18/93	4140	585	23 1/4	-	3/4	-	-
10/19/93	4646	506	23 1/4	-	3/4	-	-
10/20/93	5020	374	14 1/2	-	9 1/2	-	Trip f/Bit & Hole in DP
10/21/93	5558	538	19 1/2	-	4 1/2	-	Trip f/Hole in DP
10/22/93	5650	92	4 1/2	-	19 1/2	15 1/2	Trip f/Hole in DP Logging; Lay Down DP; Run and
10/23/93	5650	-	-	-	13	11	Cmt 5 1/2" Prod Csg Rig Down Rig Released @ 7:00 PM

TIME DISTRIBUTION SUMMARY

Rotating Hours----- 158 3/4 Hours
 Days on Location----- 10 Days
 Rig Repair----- - Hours
 Day Work----- 26 1/2 Hours

Mud Check



Monument Butte Federal No. 21-17

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>PH</u>	<u>WL</u>	<u>CAKE</u>	<u>SALT</u>	<u>KCI</u>
10/14/93	760	8.4	26	10.5	-	-	10,500	1.4%
10/15/93	2066	8.4	26	10.5	-	-	10,000	1%
10/16/93	2838	8.4	27	10.5	-	-	11,000	1.5%
10/17/93	3555	8.4	26	10.5	-	-	10,500	1.4%
10/18/93	4140	8.4	26	10.5	-	-	11,000	1.7%
10/19/93	4646	8.4	26	10.5	-	-	11,000	1.4%
10/20/93	5020	8.4	26	10.5	-	-	10,500	1.4%
10/21/93	5558	8.4	26	10.5	-	-	11,000	1.7%
10/22/93	5650	8.4	26	10.5	-	-	10,500	1.7%

Mud Additives

KCI----- 300 sx

DrilAid Polymer----- 8 cans

Bit Record



Monument Butte Federal No. 21-17

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>JETS</u>	<u>OUT</u>	<u>FEET</u>	<u>HRS.</u>	<u>WEIGHT</u>	<u>RPM</u>	<u>SPM</u>	<u>PRESS</u>	<u>DEV</u>
1	7 7/8"	HTC	ATJ-44	15	4817	4480	133 1/4	20-30	75	53	600	2°
2	7 7/8"	STC	F4H	15	5650	833	32	40	75	53	700	2 1/4°

Deviation Record

<u>DEPTH</u>	<u>ANGLE</u>	<u>DEPTH</u>	<u>ANGLE</u>
300	1/4°	2500	1 3/4°
810	1/2°	3019	1°
1300	1/2°	3510	1°
1826	1 3/4°	4000	1 1/4°
2006	3 3/4°	4522	2°
2100	3 3/4°	5009	1 1/2°
2189	3°	5650	2 1/4°

Show Report

Monument Butte Federal 21-17

No.	Depth From-To	Drill Rate, Min/ft			Total Gas			Chromatograph %			
		Before	During	After	Before	Peak	After	C1	C2	C3	C4
1	2500-10	1.2	0.8	0.8	200	800	300	6.5	2.2	1.4	0.5
D-2	2570-90	1	1.8	1.8	400	1100	300	8.5	1.5	0.8	0.5
3	2690-715	2.8	1.2	2.8	80	930	120	7.0	2.0	0.5	0.25
4	2730-2800	2.2	1.2	2.2	150	840	95	7.5	2.0	1.0	0.5
5	2890-2950	2.6	0.8	1.8	100	1100	100	9.75	1.0	1.5	0.1
6	3595-3615	1.8	1.4	2.0	600	1660	200	13.5	0.8	0.7	0.1
D-7	3790-96	2.2	1.2	2.0	100	1350	200	11.02	0.8	0.7	0.1
A-8	4008-18	2.0	0.5	2.0	100	2160	150	17.5	2.5	1.5	0.3
C-9	4032-48	2.0	1.4	2.5	400	1500	290	12.2	1.0	0.7	0.3
B-10	4064-72	2.0	0.5	2.5	180	1850	300	16.0	2.0	1.0	0.3
C-11	4086-92	2.0	1.5	2.0	120	1320	300	10.7	0.8	0.6	0.2
12	4356-60	2.0	0.5	2.5	80	800	120	7.0	0.56	0.36	0.16
13	4540-48	3.0	2.0	3.5	80	850	80	7.5	1.0	0.08	-
14	4554-70	3.5	2.0	3	100	560	120	6.5	0.8	0.65	.01
C-15	4604-10	3.0	2.5	3	60	480	160	4.5	0.45	0.4	.02
C-16	4618-26	2.5	2.0	3	40	600	60	5.8	0.56	0.32	.06
D-17	4702-08	2.5	2.3	2.5	60	240	60	2.2	0.32	0.24	-
18	4870-94	2.5	1.0	2.0	40	400	140	4.11	0.4	0.36	0.16
19	4982-88	2.5	1.5	2.0	60	610	150	0.52	0.8	0.72	-
B-20	5116-20	1.5	2.0	1.5	200	2000	200	18.0	1.7	1.2	0.5
21	5134-90	2.0	1.0	2.5	150	1300	200	8.5	1.3	0.7	0.5
22	5304-44	1.5	0.8	1.5	300	1750	300	13.0	1.06	1.0	0.5
A-23	5392-5420	2.5	1.5	2.5	150	1200	250	10.4	2.0	1.04	0.6
B-24	5576-88	2.5	1.0	3	150	1620	250	11.4	1.8	1.5	0.6

Remarks

1. Oil Shale, Dull Gold Fluor, strmg cut when dried
- D- 2. SS - lt gy, lt brn, vfg, sb-rnd, tite, brown oil stn, no fluor, fr strmg ct, some dark brown oil on pits
3. Oil Shale, (Marl) dull gold fluor, strmg ct when dry
4. Oil Shale, (Marl) trace dull gold fluor, strmg ct when dry
5. Oil Shale, (Marl) dull gold fluor, strmg ct when dry
6. SS - wh, clr, vf-fg, calc, tite, no visible show
- D- 7. SS - lt gy, vfg, fri, pr por, spotty brn oil stn, dull gold fluor, fair strmg ct
- A- 8. SS clr-lt brn, vf-fg, calc, pr-fr por, brn oil stn, dull gold fluor, instant strong strmg ct, brown oil on pits
- C- 9. SS - as above, show as above, more brown oil on pits
- B-10. SS - as above, show as above, more oil on pits
- C-11. SS - as above, show as above, still oil on pits
12. Oil Shale - marly, dk gold fluor, med strmg ct

- 13. SS - lt gy, vf-fg, sb rnd, calc, pr por, faint gold fluor, inst strong streamer, no visible stain
- 14. SS - as above, show as above
- C-15. SS - lt brn, faint brn oil stn, tite, gold fluor, strong strmg ct, trace of oil on pits
- C-16. SS - as above, show as above, brown oil on pits
- D-17. SS - lt gy, tan, vfg, fri, lt brn oil stn, yellow gold fluor, quick strong streaming cut, trace brown oil on pits
- 18. Oil Shale - milky yellow cut when dry
- 19. SS - wh, lt brn, vf-fg, sb-ang, sb-rnd, calc, tight, sctd lt brn oil stain, lt gold fluor, fast strmg ct
- B-20. SS - brn, vfg, slty, ang, calc, fri, pr por, brn oil sat, yellow gold fluor, instant streamer cut
- 21. Oil Sh - dol, slow strmr cut when dry
- 22. Oil Sh - no fluor, slo strming cut
- A.23. SS - lt gy, brn, vf-fg, slty, ang-sb rnd, tite to fr por, brn oil sat, strmg blush gold fluor, instant strong strmg ct
- B-24. SS - wh, lt gy, sli S&P, ang-sb rnd, calc-cly fld, tite to fr por, brilliant white fluorescence in wet sample, slow strong steamer cut, very slight light brn oil stain, dry sample has less fluor, instant strong strmg ct, "Light Oil Show"

A,B,C,D denotes relative strength of show

Formation Data



Monument Butte Federal 21-17

Sample Tops

<u>ELEVATIONS</u>	<u>5369 GL</u>	<u>5382 K.B.</u>		<u>STRUCTURAL</u>
<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>	<u>THICKNESS</u>	<u>RELATIONSHIP</u>
<u>TERTIARY</u>				<u>HIGH/LOW</u>
Duchesne Fm.	Surface	5369	1428	23' Low
Green River Fm.	1441	3941	652	23' Low
Horseshoe Bench	2093	3289	641	31' Low
2nd Garden Gulch	3734	1648	273	17' Low
Pay No. 1, Y1 SS	4007	1375	58	7' Low
Pay No. 2, Y2 SS	4065	1317	298	17' Low
Yellow Marker	4363	1019	163	25' Low
Douglas Creek	4526	856	173	23' Low
Pay No. 3, R5 SS	4699	683	61	15' Low
2nd Douglas Creek	4760	622	138	18' Low
Green Marker	4898	484	467	12' Low
Wasatch Tongue	5365	17	28	27' Low
Pay No. 5, B-1 SS	5393	-11	185	23' Low
Pay No. 6, B-3 SS	5578	-196	79	23' Low
TOTAL DEPTH	5657'			

REFERENCE WELL : Diamond Shamrock
 Paiute Federal No. 11-17
 (1320' West)

Sample Description

Balcron Oil
Monument Butte Federal No. 21-17
Duchesne County, Utah
NENW Section 17-T9S-R17E

Sample descriptions begin at 1500' in Tertiary Green River Formation: Samples caught from Shale Shaker; Lagged; At 50 foot intervals

LOG TOP, GREEN RIVER FM. 1441' (+3941')

1500 - 1550	Marl - tan to brown, petroliferous "Oil Shale", hard; Shale - tan, light gray, fissile.
1550 - 1600	No change.
1600 - 1650	No change.
1650 - 1700	No change.
1700 - 1750	Marl - light gray, hard; Marl - tan, brown, hard, petroliferous.
1750 - 1800	Marl - light gray, hard; Marl - tan, slightly petroliferous.
1800 - 1850	No change.
1850 - 1900	Marl - brown, hard, petroliferous "Oil Shale".
1900 - 1950	Marl - buff, tan, brown, as above.
1950 - 2000	Marl - tan, brown, as above.
2000 - 2050	No change.
2050 - 2100	No change.

LOG TOP, HORSESHOE BENCH 2093' (+3289')

2100 - 2150	No change.
2150 - 2200	No change.
2200 - 2250	Marl - light gray, silty, hard.
2250 - 2300	Marl - buff; Marl - dark brown, petroliferous.
2300 - 2350	No change.
2350 - 2450	No change.
2450 - 2500	Marl - light to dark brown, firm, fissile, very petroliferous "Oil Shale".
2500 - 2550	Oil Shale - as above; Marl - light gray, hard.
2550 - 2600	As above; Siltstone - light gray, sandy; Some Sandstone - light gray, very fine grained, <u>spotty oil stain</u> .
2600 - 2650	Marl - brown, petroliferous, "Oil Shale"; Some Siltstone - as above.
2650 - 2700	Marl - tan, brown, firm "Oil Shale".
2700 - 2800	No change.
2800 - 2850	Shale - light gray, hard, gritty to sandy; Sandstone - white, light gray, very fine to medium grained, angular, silty, quartzose, hard, tight; Clay - white.
2850 - 2900	Marl - brown, tan, petroliferous, "Oil Shale", fissile.
2900 - 2950	Oil Shale - black, brown, tan, marly.
2950 - 3000	Shale - light gray, fissile, silty, limey, hard.
3000 - 3050	Sandstone - light gray, very fine grained, silty, angular, clay filled to shaley, slightly calcareous, tight.
3050 - 3100	Marl - tan, light brown, petroliferous "Oil Shale".

- 3100 - 3150 Shale - light gray, firm, fissile, gritty to silty, slightly calcareous; Trace of Limestone - tan, micritic.
- 3150 - 3200 Shale - light gray, blocky to fissile, calcareous, firm.
- 3200 - 3250 Shale - medium gray, hard, blocky, limey; Some Limestone - brown, sparry.
- 3250 - 3300 No change.
- 3300 - 3350 No change.
- 3350 - 3400 Limestone - buff to tan, very fine crystalline to fragmental.
- 3400 - 3450 Limestone - buff, tan, brown, fragmental to very fine crystalline.
- 3450 - 3500 Sandstone - light gray, very fine to fine grained, angular, silty to shaley, tight; Shale - light gray, silty, calcareous, hard, blocky.
- 3500 - 3550 Limestone - tan, brown, argillaceous, micritic; Marl - brown, petroliferous "Oil Shale".
- 3550 - 3600 Shale - light gray, hard, silty; Siltstone - light gray, shaley, sandy; Clay - white.
- 3600 - 3650 Limestone - buff, tan, brown, micritic, argillaceous.
- 3650 - 3700 Shale - light greenish gray, hard, fissile to blocky, limey.

LOG TOP, 2nd GARDEN GULCH 3734' (+1648')

- 3700 - 3750 Limestone - buff, tan, brown, micritic.
- 3750 - 3800 Sandstone - light gray, very fine grained grading to siltstone, angular, friable, calcareous, poor porosity, streaked and speckled with dark brown residual oil stain, brownish yellow fluorescence and very slight slow cut in wet sample, dry sample has bright yellow gold fluorescence, instant strong yellow streamer cut.
- 3800 - 3850 Limestone - buff, chalky, micritic.

- 3850 - 3900 Sandstone - white, very fine to fine grained, silty, angular, calcareous, tight, no visible show; Limestone - as above.
- 3900 - 3950 Shale - light gray, lumpy to blocky, calcareous, hard; Limestone - buff, tan, brown, micritic, argillaceous, hard.
- 3950 - 4000 Sandstone - white, very fine grained, silty, angular, calcareous, grades to siltstone; Shale and Limestone - as above.

Begin 20 Foot Samples at 4000'

LOG TOP, YELLOWSTONE 1 SANDSTONE 4007' (+1375')

- 4000 - 4020 Sandstone - light brown, very fine to fine grained, silty, angular, poor to fair porosity, dark brown oil saturation, golden yellow fluorescence, instant strong streamer cut in wet and dry samples. Good show of live oil in fair reservoir rock. Limestone - tan, brown, micritic.
- 4020 - 4040 Sandstone - as above with shows as above; Shale - light gray, bentonitic, fissile.
- 4040 - 4060 Shale - light gray, soft bentonitic, fissile.

LOG TOP, YELLOW 2 SANDSTONE 4065' (+1317')

- 4060 - 4080 Sandstone - as in 4000' - 4020' with slightly stronger oil show, fair porosity.
- 4080 - 4100 Sandstone - as above; Clay - white; Shale - light gray, fissile.
- 4100 - 4120 Oil Shale - brown; Siltstone - light gray; Shale - as above; Limestone - brown.
- 4120 - 4140 Sandstone - light gray, very fine to fine grained, grades to siltstone, limey, tight; Limestone - brown, petroliferous; Shale - light gray, hard, limey.
- 4140 - 4160 Shale - as above; some Siltstone and Limestone - as above.
- 4160 - 4180 Limestone - buff, brown, micritic, argillaceous; Shale and Siltstone - as before.
- 4180 - 4200 No change.
- 4200 - 4220 Marl - tan, brown, petroliferous.

- 4220 - 4240 No change.
- 4240 - 4260 Shale - gray, firm, calcareous, gritty to silty; Clay -white.
- 4260 - 4280 Siltstone - white, light gray, sandy; Limestone - buff, tan, micritic; Shale - as above; Clay - white.
- 4280 - 4300 No change.
- 4300 - 4320 Shale - light gray, fissile, limey, firm; Limestone and Siltstone - as above.
- 4320 - 4340 No change.
- 4340 - 4360 Limestone - tan, finely fragmental; Shale - dark brown, flakey, carbonaceous.

LOG TOP, YELLOW MARKER 4363' (+1019)

- 4360 - 4380 Shale - light gray, fissile to lumpy, calcareous, firm, gritty; Limestone - as above.
- 4380 - 4400 Shale - as above; Clay - white; Limestone - tan, brown, micritic.
- 4400 - 4420 Shale - as above; Siltstone - light gray; Limestone - tan, brown; clay - white.
- 4420 - 4440 Siltstone - light gray; Shale - Limestone - Clay - as above.
- 4440 - 4460 Claystone - white, micaceous, slightly calcareous; Shale - Siltstone and Limestone - as above.
- 4460 - 4480 No change.
- 4480 - 4500 Shale - light to medium gray, firm, fissile, calcareous, gritty; Limestone - as above.
- 4500 - 4520 No change.

LOG TOP, DOUGLAS CREEK 4526' (+856')

- 4520 - 4540 Sandstone - tan, white, very fine to fine grained, silty, angular, limey, tight to poor porosity, faint golden fluorescence, instant white streaming cut, no visible stain.

- 4540 - 4560 Limestone - tan, micritic; Sandstone - with oil show as above;
Shale - light gray.
- 4560 - 4580 Shale - light gray, fissile, firm; Clay - white; Siltstone - white,
light gray, very sandy; Some Sandstone - as above with oil
show as above.
- 4580 - 4600 Siltstone - as above; Shale - as above; Limestone - tan, brown,
micritic.
- 4600 - 4620 Sandstone - tan, very fine grained, silty angular, slightly
calcareous, tight to poor porosity, faint brown oil stain. light
golden fluorescence in dry sample only. slow white streaming
cut. poor show of live oil in poor reservoir rock; Oil Shale - tan,
brown, blocky, calcareous.
- 4620 - 4640 Oil Shale - as above; Sandstone - as above with show, as above;
Shale - medium gray fissile; Limestone - tan, brown,
argillaceous, micritic.
- 4640 - 4660 Shale - medium gray, firm, fissile, calcareous; Limestone - dark
brown, petroliferous, argillaceous, micritic; Sandstone - light
gray, very fine grained, silty, limey, hard, tight.
- 4660 - 4680 Shale - as above; Limestone - tan, brown, micritic, argillaceous;
Sandstone - very fine to fine grained, grades to siltstone, angular,
calcareous, hard, tight.
- 4680 - 4700 Shale - as above, gritty to silty; Some Limestone - as above.

LOG TOP, RED 5 SANDSTONE 4699' (+683')

- 4700 - 4720 Sandstone - light gray, very fine grained, silty, angular,
calcareous, tight to poor porosity, scattered brown oil stain, only
dry sample has spotty golden fluorescence and quick strong
white streamer cut. Shale and Limestone - as above.
- 4720 - 4740 Shale - medium gray, firm, limey, fissile; Marl - tan, brown,
blocky, petroliferous, "Oil Shale".
- 4740 - 4760 Limestone - buff, tan, micritic, argillaceous.

LOG TOP, SECOND DOUGLAS CREEK 4760' (+622')

- 4760 - 4780 Shale - light to medium gray, firm, fissile, calcareous;
Claystone - white; Some Limestone - as above.

- 4780 - 4800 No change.
- 4800 - 4820 Siltstone - white, light gray, sandy, calcareous; Marl - brown, petroliferous; Claystone - as above.
- 4820 - 4840 Shale - light to medium gray, fissile, calcareous, hard; Some Marl - tan, brown, petroliferous.
- 4840 - 4860 No change.
- 4860 - 4880 Marl - dark brown, petroliferous, "Oil Shale".
- 4880 - 4900 No change.

LOG TOP, GREEN MARKER 4898' (+484')

- 4900 - 4920 Shale - light gray, blocky, calcareous, gritty to silty, hard.
- 4920 - 4940 Shale - as above; Siltstone - light gray, shaley, calcareous; Marl - tan, brown, petroliferous.
- 4940 - 4960 Shale - as above; Siltstone - light gray, shaley, calcareous; Marl - tan, brown, petroliferous.
- 4960 - 4980 Shale - medium gray, hard, calcareous, blocky to fissile.
- 4980 - 5000 As above; Sandstone - tan, very fine to fine grained, silty, angular, calcareous to siliceous cement, poor porosity, *brown live oil stain, golden yellow fluorescence, instant bright streamer cut, fair show of live oil.*
- 5000 - 5020 Shale - medium gray, fissile, firm, calcareous; Marl - tan, brown, petroliferous "Oil Shale"; Siltstone - light gray, sandy, calcareous.
- 5020 - 5040 Shale - as above; Limestone - tan, brown, micritic, argillaceous.
- 5040 - 5060 Siltstone - light gray, calcareous, hard, locally sandy; Shale and Limestone - as above.
- 5060 - 5080 Shale - black, fissile, petroliferous, "Oil Shale".

- 5080 - 5100 Siltstone - light gray, sandy, hard, calcareous; Marl - dark brown, tan, petroliferous, "Oil Shale".
- 5100 - 5120 Sandstone - brown, very fine grained, silty, angular, calcareous, friable, poor porosity, brown oil saturation, bright yellow gold fluorescence, instant strong streamer cut, (both wet and dry samples). Good show of live oil in fair reservoir rock.
- 5120 - 5140 Shale - dark brown, to black, fissile, petroliferous, "Oil Shale".
- 5140 - 5160 No change.
- 5160 - 5180 Shale - black, blocky to fissile, petroliferous; "Oil Shale".
- 5180 - 5200 Sandstone - light gray, very fine grained, silty, angular, calcareous, shaley, tight, no show.
- 5200 - 5220 Shale - light gray, hard, gritty to silty, calcareous, hard; Shale - black, fissile, petroliferous, "Oil Shale".
- 5220 - 5240 Shale - as above; Siltstone - light gray, shaley; Limestone - tan, brown, micritic.
- 5240 - 5260 No change.
- 5260 - 5280 Shale - light gray, soft, fissile; Some Limestone and Siltstone - as above.
- 5280 - 5300 Shale - medium gray, fissile to blocky, hard.
- 5300 - 5320 Shale - dark brown to black, fissile to lumpy, petroliferous, "Oil Shale".
- 5320 - 5340 No change.
- 5340 - 5360 No change.

LOG TOP, WASATCH TONGUE 5365' (+17")

- 5360 - 5380 No change.

LOG TOP, BLUE 1 SANDSTONE 5393' (-11')

- 5380 - 5400 Sandstone - light gray to brown, very fine to fine grained, silty, angular to sub-rounded, friable, tight to poor porosity some fair porosity, light brown oil saturated, wet sample has yellowish gold fluorescence, slow strong streaming cut, dry sample has strong bluish gold fluorescence, instant strong white streaming cut; good show of oil in fair reservoir rock.
- 5400 - 5420 Sandstone - light gray, very fine to fine grained, silty, sub-rounded to angular, clay and calcareous cement, tight, no show; Some Sandstone - as above, with oil show as above.
Limestone - brown, micritic, argillaceous.
- 5420 - 5440 Claystone - light gray, soft; Limestone - tan, brown, micritic.
- 5440 - 5460 Shale - dark brown, black, blocky to fissile, petroliferous, "Oil Shale".
- 5460 - 5480 As above; Shale - light to medium gray, fissile, calcareous, firm; Limestone - tan, micritic.
- 5480 - 5500 No change.
- 5500 - 5520 Shale - light gray, firm, calcareous, gritty; Limestone - tan, brown, micritic.
- 5520 - 5540 As above; Siltstone - light gray, calcareous, sandy, shaley.
- 5540 - 5560 No change.

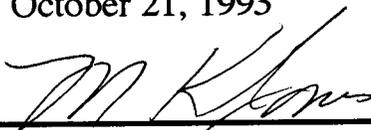
LOG TOP, BLUE 3 SANDSTONE 5578' (-196')

- 5560 - 5580 Sandstone - white, light gray, slightly salt and pepper, angular to sub-rounded, calcareous to clay-filled, tight to fair porosity, bright white fluorescence in wet sample with slow strong streamer cut, slight very light brown oil stain, dry sample has less fluorescence, instant strong streamer cut. Appears to be good show of light crude oil.
- 5580 - 5600 Shale - light gray, fissile; Siltstone - light gray, calcareous, sandy; Limestone - tan, brown, micritic, argillaceous; Sandstone - as above.

- 5600 - 5620 Shale - dark brown, black, blocky to fissile, petroliferous, "Oil Shale"; Shale - light gray, fissile to blocky; Siltstone and Limestone - as above.
- 5620 - 5640 Sandstone - light gray, very fine grained, angular, very calcareous, clay filled, tight; Siltstone - as above; Some Shale and Limestone; Claystone - white, limey.
- 5640 - 5650 Shale - dark gray, hard, blocky, limey, petroliferous, "Oil Shale".

Driller's Total Depth 5650'
Logger's Total Depth 5657'

October 21, 1993



M.K. Jones
Petroleum Geologist

BALCRON OIL

Balcron Monument Federal #12-17

SW NW Section 17, T9S, R17E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

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

DECEMBER 8, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #12-17

Description of Geology and Topography-

This well is located 11 miles south of Myton, Utah. It sits toward the west end of Pariette Bench. The immediate area is flat and covered with sandy alluvium and small rock fragments.

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.

The only exposures of bed rock (Uinta Formation) in the area of the wellpad and proposed access road were northwest of the proposed pit.

Paleontological material found -

No fossils were found on the wellpad location or access road.

Recommendations-

No other recommendations are made for this location.

Alfred B. Humblin

Date December 9, 1993

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

Operator: EQUITABLE RESOURCES COMPANY Lease: State: _____ Federal: Y
Indian: _____ Fee: _____

Well Name: BALCRON MONUMENT FED #21-17 API Number: 43-013-31387
Section: 17 Township: 09S Range: 17E County: DUCHESNE Field:
MONUMEDNT BUTTES
Well Status: POW Well Type: Oil: Y Gas: _____

PRODUCTION LEASE EQUIPMENT: Y CENTRAL BATTERY: _____

Y Well head _____ Boiler(s) _____ Compressor _____ Separator(s)
_____ Dehydrator(s) _____ Shed(s) _____ Line Heater(s) _____ Heated
Separator
_____ VRU _____ Heater Treater(s)

PUMPS:
_____ Triplex _____ Chemical _____ (1) Centrifugal

LIFT METHOD:
Y Pumpjack _____ Hydraulic _____ Submersible _____ Flowing

GAS EQUIPMENT:
N Gas Meters N Purchase Meter N Sales Meter

TANKS:	NUMBER	SIZE
	<u>YES</u> Oil Storage Tank(s)	<u>2-400 OIL W/BURNERS</u> BBLs
	<u>YES</u> Water Tank(s)	<u>1-130 BARREL OPEN TOP PIT TANK.</u> BBLs
	_____ Power Water Tank	_____ BBLs
	_____ Condensate Tank(s)	_____ BBLs
	<u>(1)</u> Propane Tank	_____ BBLs

REMARKS: EQUIPMENT RUNNING ON CASING GAS WITH PROPANE BACKUP. GAS FLARING @
40 PSI ON VISIT. GLYCOL FOR TRACE IS HEATED BY MUFFLER ON PUMP JACK.

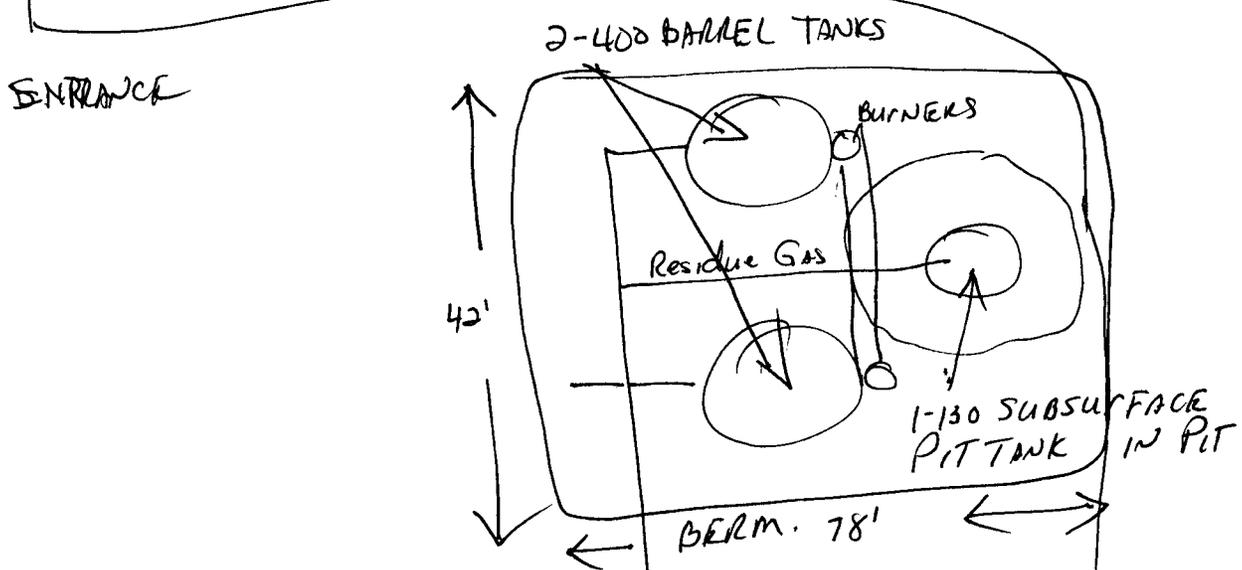
Location central battery: Qtr/Qtr: _____ Section: _____ Township: _____
Range: _____

Inspector: DENNIS INGRAM Date: 12/21/93

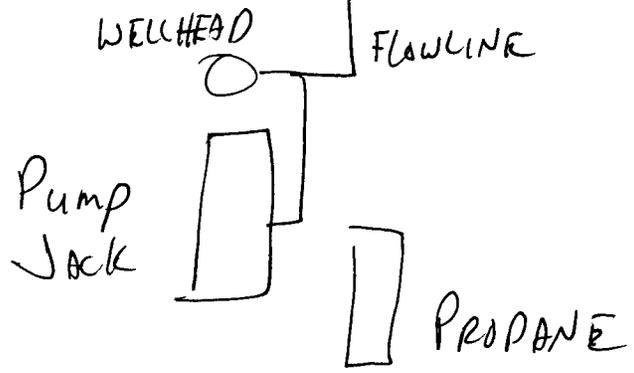
EQUABLE RESOURCES Co
BALCON MONUMENT FED # 21-17
43-013-31387
Sec 17 T95 RME

12/21/93
DJD

↑ NORTH



SURFACE
SOIL
PILES



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DATE*

Other Instructions on reverse side

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

UUU-72106

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

7. TRIT AGREEMENT NAME

n/a

8. FARM OR LEASE NAME

Balcon Monument Federal #21-17

9. WELL NO.

#21-17

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC. T., R., N., OR BLOCK AND SURVEY OR AREA

NE NW Section 17, T9S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESRV. Other _____

CONFIDENTIAL

2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcron Oil Division

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 500' FNL, 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.
43-013-31387

DATE ISSUED
4-22-93

15. DATE SPUDDED
9-24-93

16. DATE T.D. REACHED
10-23-93

17. DATE COMPL. (Ready to prod.)
11-24-93

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5369.3' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
5650'

21. PLUG BACK T.D., MD & TVD
5629'

22. IF MULTIPLE COMPL., HOW MANY*
n/a

23. INTERVALS DRILLED BY

ROTARY TOOLS
Sfc - TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4018'-5424' Green River

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL - SDL - DSN - GR MUD LOG, CBL/GRKLL 11-93

27. WAS WELL CORED
No

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#	327'	12-1/4"	175 sxs "G" + additives	n/a
5-1/2"	15.5#	5648'	7-7/8"	148 sxs Thrifty-Lite and tail 241 sxs 50-50 FOZ	n/a

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5488.73'	n/a

31. PERFORATION RECORD (Interval, size and number)

5422'-24' (2 SPF)
5411'-16' (2 SPF)
5398'-5404' (2 SPF)
4018'-4097' (17 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5398'-5424'	a: 500 gallons 15% HCL t: 19,300# 20/40 sand & 13,000# 16/30 sand w/378 bbls gelled 2% KCL wtr.
4018'-4097'	61,500# 16/30 sand in 603 bbls gelled 2% KCL wtr.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
11-24-93	1-1/2" Insert Pump	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-30-93	24	n/a	→	60	600	40	10
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
r/a	n/a	→	60	600	40	34	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for fuel.

TEST WITNESSED BY

Dale Griffin

35. LIST OF ATTACHMENTS

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

SIGNED

TITLE Operations Manager

DATE 12-20-93

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

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

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	See Geologic Report submitted	separately.	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

UIU-72106

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 #21-17,

9. API Well No.

43-013-31387

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE NW Section 17, T9S, R17E
500' FNL, 1980' FWL

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Onshore Order #7
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

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

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 is 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 disposal 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 Vernal Bureau of Land Management.

DEC 2 1993

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

Signed [Signature]

Title Operations Manager

Date 12-20-93

(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

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. UU-72106
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 n/a
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NW Section 17, T9S, R17E 500' FNL, 1980' FWL	8. Well Name and No. Balcron Monument Federal #21-17,
	9. API Well No. 43-013-31387
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

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

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

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

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

Attached is the Site Security Diagram for this well.

DEC 25 1993

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

Signed [Signature] Title Operations Manager Date 12-20-93

(This space for Federal or State office use)

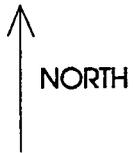
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

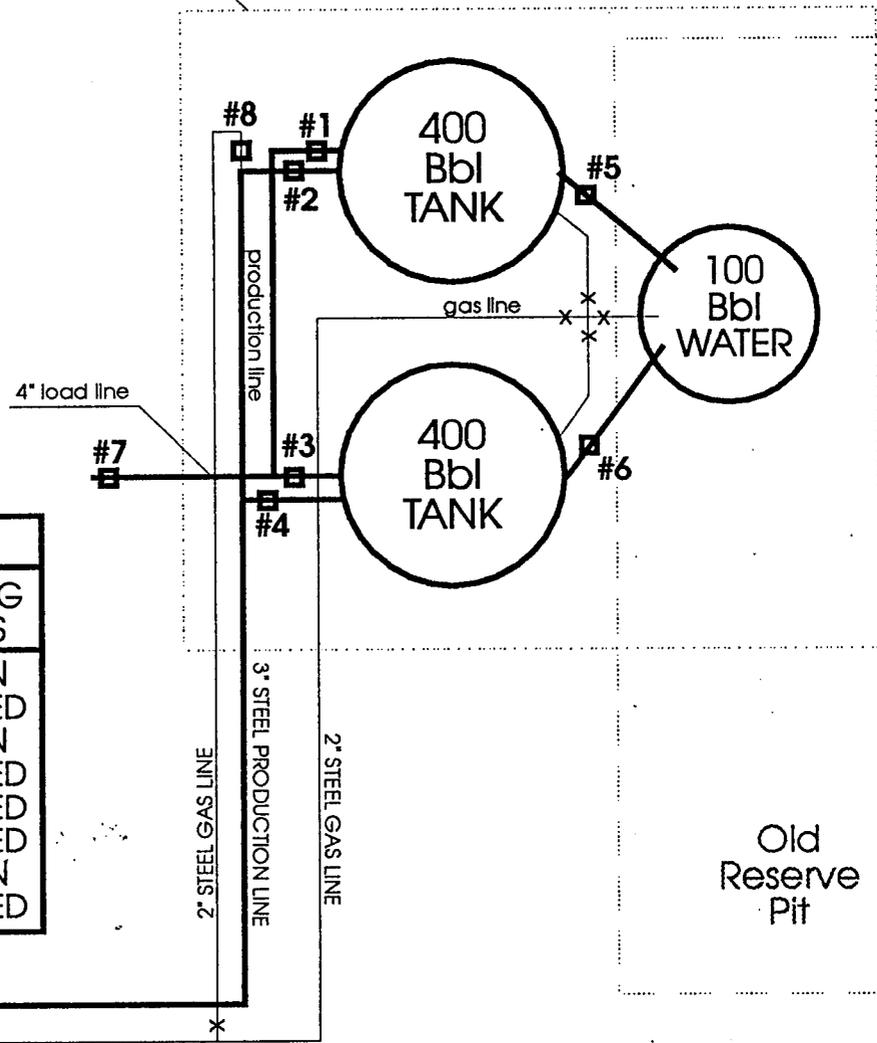
*See Instruction on Reverse Side

**Equitable Resources Energy Company
Balcron Monument Federal 21-17
Production Facility Diagram**

Balcron Monument Federal 21-17
NE NW Sec. 17, T9S, R17E
Duchesne County, Utah
Federal Lease #U-3563-A
500' FNL, 1980' FWL

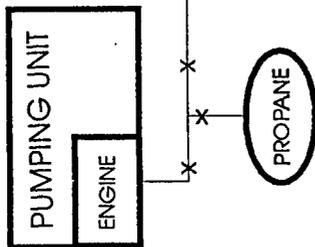


DIKE

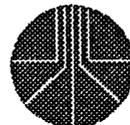


VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN
VALVE #8	CLOSED	CLOSED

WELL HEAD



Old Reserve Pit



**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

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: Balcron Monument Federal #21-17
 API number: 43-013-31387
2. Well location: QQ NE NW section 17 township 9S range 17E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division
 Address: P.O. Box 21017, phone: 406-259-7860
Billings, MT 59104
4. Drilling contractor: MolenDrilling
 Address: P.O. Box 2222 phone: 406-252-2591
Billings, MT 59103

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water reported during drilling operations.	

6. Formation tops: See Geological Report sent separately.

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

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

Name Dave McCoskery Signature *Dave McCoskery*
 Title Operations Manager Date 12-20-93

Comments:

FILE: WELLLISTSARAMSTR.WQ1

01/25/94

Revised 12/17/93

BALCRON-OPERATED WELL LIST

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	STATE	STATUS	ZONE	ST = State	API NUMBER	FOOTAGES	BLM OFFICE	UNIT OR WELL FILE NO.
										FED. OR STATE LEASE NO.				
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	U-007978	43-013-31382	2060.2' FSL, 693.5' FWL	Vernal	
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	U-007978	43-013-31398	660' FSL, 660' FWL	Vernal	
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	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

See attached

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

See attached

9. API Well No.

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

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

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

See attached

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> 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>hookup to gas gathering system</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.)*

Operator proposes to hook up wells in the Monument Butte Field in accordance with the attached proposal.

RECEIVED

JAN 28 1994

DIVISION OF
OIL, GAS & MINING

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

Signed Robbie Schuman

Coordinator of Environmental
and Regulatory Affairs

Date January 25, 1994

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Tide _____

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

Monument Butte Field
Duchesne County, Utah

Attachment to sundry Notice for hooking up new Monument Butte wells to the gas gathering system.

Equitable Resources Energy Company, Balcron Oil Division is proposing to hook up their newly-drilled oil wells in the Monument Butte Field to the existing gas gathering system. The proposed hookup will allow revenues to be earned from sales of excess gas. The new wells will be connected to the existing system by laying two-inch and one-inch polyurethane pipe on the surface from the well to the nearest gas gathering line. The two-inch line will be used for gathering the produced gas and transporting it to the Monument Butte gas plant where it is processed for sale. The one-inch line will be used for distribution of dry fuel gas from the gas plant to the wells. All proposed lines are within lease boundaries and are connecting lease wells only. Each well's gas production will be metered through existing gas meters and allocated back to each well according to oil production. All gas will be gathered, transported, allocated, and sold using the same past procedures.

1. The following wells will be connected to the Monument Butte gas plant and gas measured through the Paiute Federal Section 8 (#U-7978) gas meter.

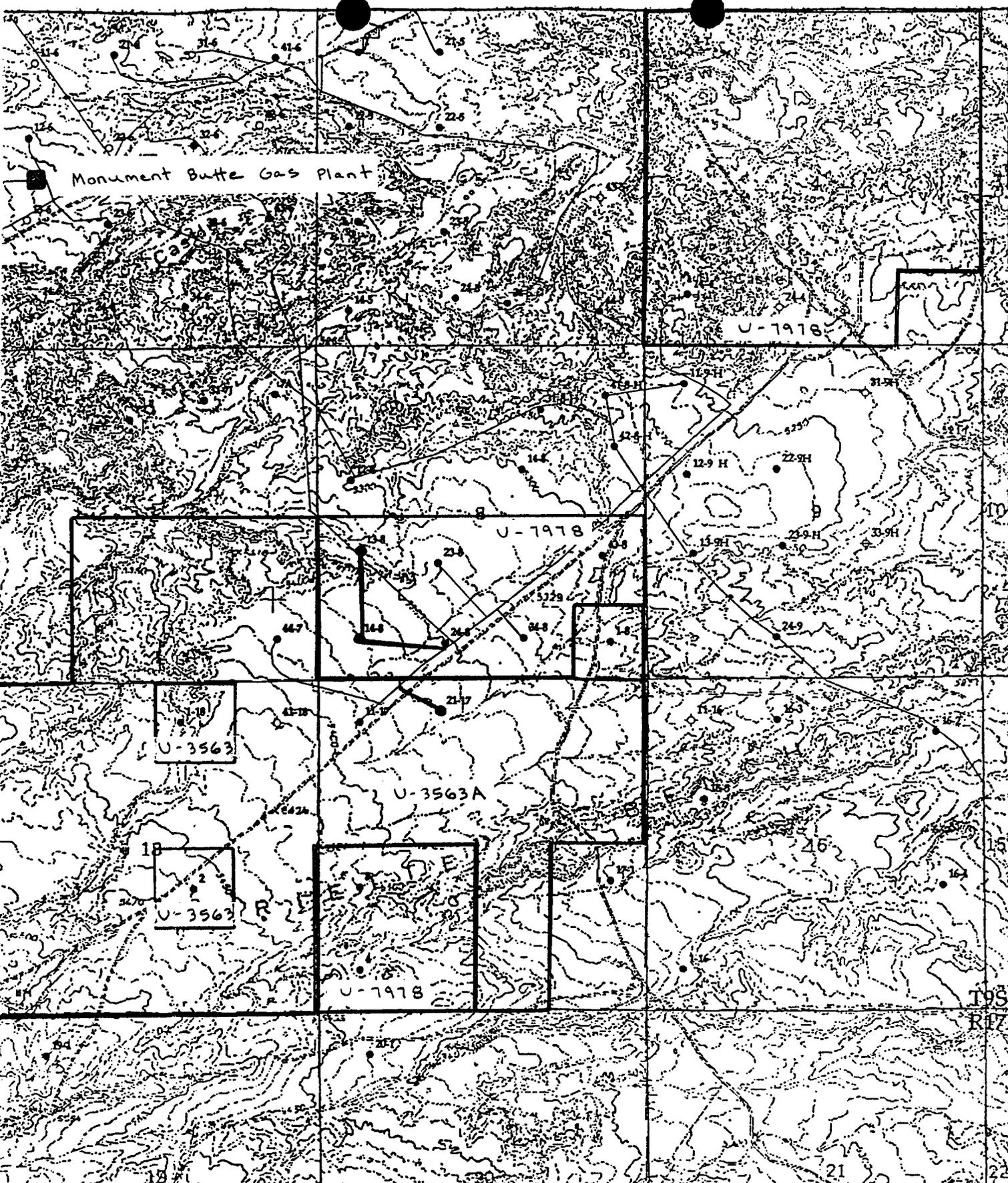
Balcron Federal #13-8	NW SW Sec. 8, T9S, R17E	1500 Feet
Balcron Federal #14-8	SW SW Sec. 8, T9S, R17E	1500 Feet

2. The following well will be connected to the Monument Butte gas plant and gas measured through the Mocon Federal (#U-3563A) gas meter.

Balcron Federal #21-17	NE NW Sec. 17, T9S, R17E	800 Feet
------------------------	--------------------------	----------

Please refer to the enclosed topographic map which shows proposed routes for each gas line. All proposed routes follow lease roads whenever possible to minimize disturbance and the gas lines will be placed on the surface which will eliminate trenching.

1/25/94
JZ/rs



Monument Butte Gas Plant

U-7978

U-7978

U-3563

U-3563A

U-3563

U-7978

T9S
R17E

● Well Proposed For Gas Hook up.
 — Existing Gas Gathering System
 — Proposed Gas lines

Two gas meters located at Mocon #24-8 SE SW Sec.8
 for the lease #U-3563A and #U-7978

Equitable Resources Energy Co.
 Balcon Oil Division
 Monument Butte Gas Gathering
 Proposed New Well Hook Ups
 Sec. 8 & 17, T9S, R17E
 Duchesne County, Utah

OPERATOR EQUITABLE RESOURCES ENERGY

OPERATOR ACCT. NO. H9890

ADDRESS BALCRON OIL DIVISION

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
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.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

2-22-96

Title

Date

Phone No. ()



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION

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

★FAX TRANSMITTAL★

FAX NO.: (406) 245-1365

TO: NAME: Leesha
COMPANY: Utah, Division of Oil, Gas, & Mining
DATE: 02-21-96
FAX #:

FROM: Molly Conrad
Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
Billings, MT 59102
Phone: (406) 259-7860 ext 236

TOTAL # OF PAGES 2
(including this cover sheet)

If you do not receive all pages, please call back as soon as possible at (406) 259-7860.

TELECOMMUNICATOR: mmc

SPECIAL INSTRUCTIONS:

Here is a list of the Beluga Unit wells that you requested yesterday. Please let me know when you come up with an Entity Action number for them. The unit was effective 2-1-96, so I will have to change all of my records before reporting February production.
Thanks for your help!!

NOTE: The information contained in this facsimile message is privileged and confidential, and is intended only for the use of the individual(a) or entity name above who have been specifically authorized to receive it. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return all pages to the address shown above. THANK YOU.

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): 12 / 95

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
BOLL WEEVIL FED 26-13			GRRV					
4301330770	00035	08S 16E 26						
CASTLE PK ST 43-16			GRRV					
4301330594	01181	09S 16E 16						
WPAIUTEFED 01200 09S 17E 8			GRRV					
4301330778	01200	09S 17E 8						
MOCON FED 01205 09S 17E 7			GRRV					
4301330666	01205	09S 17E 7						
WPAIUTEFED 01210 09S 17E 17			GRRV					
4301330516	01210	09S 17E 17						
WPAIUTEFED 01220 09S 17E 8			GRRV					
4301330675	01220	09S 17E 8						
JOURNEY FED 1-9			GRRV					
4304730070	01260	09S 19E 9						
CASTLE PK FED 24-10A			GRRV					
4301330555	01281	09S 16E 10						
HENDEL FED 1-17			GRRV					
4304730059	01305	09S 19E 17						
HENDEL FED 3-17			GRRV					
4304730074	01305	09S 19E 17						
HENDEL FED. 1-9			GRRV					
4304720011	01310	09S 19E 9						
PARIETTE BENCH FED 14-5			GRRV					
4304731123	01335	09S 19E 5						
PARIETTE BENCH UNIT 2			GRRV					
4304715680	01345	09S 19E 7						
TOTALS								

REMARKS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

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): 12 / 95

AMENDED REPORT (Highlight Changes)

Well Name	API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
							OIL(BBL)	GAS(MCF)	WATER(BBL)
PARIETTE BENCH FED 41-7	4304731584	01346	09S 19E 7	GRRV					
SUE MORRIS 16-3									
4301330562	01450	09S 17E 16	GRRV						
STATE 16-2									
4301330552	01451	09S 17E 16	GRRV						
K JORGENSON ST 16-4									
4301330572	01452	09S 17E 16	GRRV						
W DUNCAN ST 16-5									
4301330570	01453	09S 17E 16	GRRV						
TRAILITE FEDERAL 43-8									
01330777	02042	09S 17E 8	GRRV						
FEDERAL 1-18									
4301330332	08100	09S 17E 18	DGCRK						
POMCO #2									
4301330505	08101	09S 17E 18	GR-WS						
POMCO #4									
4301330506	08102	09S 17E 17	GRRV						
POMCO #5									
4301330499	08104	09S 17E 17	GRRV						
PARIETTE BENCH FED 32-6									
4304731554	09885	09S 19E 6	GRRV						
PARIETTE BENCH FED 43-6									
4304731616	10280	09S 19E 6	GRRV						
MAXUS FEDERAL 23-8									
4301331196	10800	09S 17E 8	GRRV						
TOTALS									

REMARKS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

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): 12 / 95

AMENDED REPORT (Highlight Changes)

Well Name PI Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
COYOTE FEDERAL 21-5 4304732260 11500 08S 25E 5	GRRV					
COYOTE FEDERAL 13-5 4304732261 11500 08S 25E 5	GRRV					
FEDERAL 22-10Y 4301331395 11501 09S 17E 10	GRRV					
FEDERAL 41-21Y 4301331392 11505 09S 16E 21	GRRV					
FEDERAL 44-14Y 4304732438 11506 09S 17E 14	GRRV					
FEDERAL 21-13Y 4301331400 11510 09S 16E 13	GRRV					
FEDERAL 21-9Y 4301331396 11513 09S 16E 9	GRRV					
MONUMENT FEDERAL 21-17 4301331387 11528 09S 17E 17	GRRV					
FEDERAL 21-8 4301331398 11529 09S 17E 8	GRRV					
FEDERAL 21-25Y 4301331394 11530 09S 16E 25	GRRV					
MONUMENT FEDERAL 21-8 4301331382 11574 09S 17E 8	GRRV					
MONUMENT FEDERAL 21-8 4301331427 11613 09S 17E 8	GRRV					
MONUMENT FEDERAL 21-7 4301331432 11616 09S 17E 7	GRRV					
TOTALS						

REMARKS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84110 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): 12 / 95

AMENDED REPORT (Highlight Changes)

Well Name	API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
							OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 11-25	4304732455	11625	08S 17E 25	GRRV					
MONUMENT FEDERAL 31-17	4301331428	11635	09S 17E 17	GRRV					
MONUMENT FEDERAL 22-17A	4301331429	11638	09S 17E 17	GRRV					
BALCRON MONUMENT FEDERAL 12-17	4301331431	11640	09S 17E 17	GRRV					
ALLEN FEDERAL 31-6G	4301331442	11642	09S 17E 6	GRRV					
BALCRON FEDERAL 41-19Y	94732504	11651	09S 18E 19	GRRV					
BALCRON MONUMENT STATE 14-2	4301331425	11656	09S 17E 2	GRRV					
FEDERAL 44-4Y	4301331452	11679	09S 17E 4	GRRV					
FEDERAL 31-5Y	4304732503	11680	09S 18E 5	GRRV					
BALCRON MONUMENT FEDERAL 21-25	4304732528	11683	08S 17E 25	GRRV					
MONUMENT FEDERAL 41-17	4301331466	11692	09S 17E 17	GRRV					
MONUMENT FEDERAL 12-25	4304732526	11694	08S 17E 25	GRRV					
MONUMENT FEDERAL 24-17	4301331467	11698	09S 17E 17	GRRV					
TOTALS									

REMARKS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

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): 12 / 95

AMENDED REPORT (Highlight Changes)

Well Name PI Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 32-17								
4301331465	11704	09S 17E 17	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								
4301331476	11717	08S 17E 22	GRRV					
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					
BALCRON FEDERAL 42-19Y								
4304732616	11756	09S 18E 19	GRRV					
BALCRON FEDERAL 12-20Y								
4304732617	11758	09S 18E 20	GRRV					
TOTALS								

REMARKS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

ENTITY ACTION FORM - FORM 6

ADDRESS BALCRON OIL DIVISION

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
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.

(3/89)

L. CORDOVA (DOGM)
Signature
ADMIN. ANALYST 2-22-96
Title Date
Phone No. ()

**EQUITABLE RESOURCES
ENERGY COMPANY****BALCRON OIL DIVISION**1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860**★FAX TRANSMITTAL★****FAX NO.: (406) 245-1365**

TO: NAME: Leesha
COMPANY: Utah, Division of Oil, Gas, & Mining
DATE: 02-21-96
FAX #:

FROM: Molly Conrad
Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
Billings, MT 59102
Phone: (406) 259-7860 ext 236

TOTAL # OF PAGES 2
(including this cover sheet)

If you do not receive all pages, please call back as soon as possible at (406) 259-7860.

TELECOMMUNICATOR: mmc

SPECIAL INSTRUCTIONS:

Here is a list of the Beluga Unit wells that you requested yesterday. Please let me know when you come up with an Entity Action number for them. The unit was effective 2-1-96, so I will have to change all of my records before reporting February production.

Thanks for your help!!

NOTE: The information contained in this facsimile message is privileged and confidential, and is intended only for the use of the individual(s) or entity name above who have been specifically authorized to receive it. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return all pages to the address shown above. **THANK YOU.**

P.2/2

✓ A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (Sl)	Green River	ML-3453	43-013-15582	660' FSL, 560' FWL		Beluga
✓ Balcon Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 680' FWL	Vernal	Beluga
✓ Balcon Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
✓ Balcon Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31388	660' FSL, 660' FWL	Vernal	Beluga
✓ Balcon 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
✓ Balcon 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
✓ Balcon 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
✓ Balcon Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31485	1650' FNL, 1980' FEL	Vernal	Beluga
✓ Balcon Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
✓ Balcon Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
✓ Balcon Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
✓ Balcon Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
✓ D. Duncan State #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 885' FWL		Beluga
✓ DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (Sl)	Green River	U-44430	43-013-30689	2059' FSL, 0584' FEL	Vernal	Beluga
✓ Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	OSI	Green River	U-3563	43-013-30332	636' FNL, 2185' FEL	Vernal	Beluga
✓ Maus Federal #23-8	Monument Butte	NE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31196	1847' FSL, 1947' FWL	Vernal	Beluga
✓ Mocon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-30666	670' FSL, 683' FEL	Vernal	Beluga
✓ Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	PND	Green River	UTU-74108		2217' FSL, 2187' FWL	Vernal	Beluga
✓ Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	PND	Green River	U-72106		1926' FSL, 2000' FEL	Vernal	Beluga
✓ Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL		Beluga
✓ Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL		Beluga
✓ Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578	1980' FSL, 1980' FWL		Beluga
✓ Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516	661' FNL, 664' FWL	Vernal	Beluga
✓ Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Vernal	Beluga
✓ Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778	660' FSL, 1860' FEL	Vernal	Beluga
✓ Paiute Federal #43-8	Monument Butte	NE SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30777	1958' FSL, 711' FEL	Vernal	Beluga
✓ POMCO #2	Monument Butte	NW SE	18	9S	17E	Duchesne	UT	OTA	Green River	U-3563	43-013-30505	1980' FSL, 1980' FEL	Vernal	Beluga
✓ POMCO #4	Monument Butte	SW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-103-30506	660' FSL, 660' FWL	Vernal	Beluga
✓ POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499	1980' FSL, 660' FWL	Vernal	Beluga
✓ Sue Morris #16-3	Monument Butte	NE NW	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30562	660' FNL, 1980' FWL		Beluga

N4990-Enserch Explor. Inc.
(Oper. Chg. in Progress)

N8395-Prod. Recovery Corp.
(Oper. Chg. in Progress)

FEB 21 '96 03:42PM BALCRON OIL DIV



EQUITABLE **RESOURCES**
ENERGY COMPANY

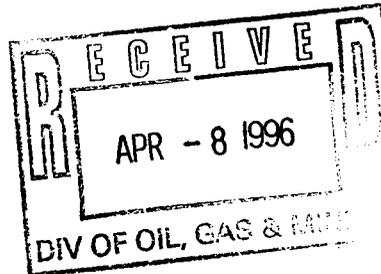
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

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

March 22, 1996

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



Gentlemen:

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

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

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

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

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

	5. Lease Designation and Serial Number: See attached listing
	6. If Indian, Allottee or Tribe Name: n/a
	7. Unit Agreement Name: See attached listing
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: See attached listing	8. Well Name and Number: See attached listing
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division	9. API Well Number: See attached listing
3. Address and Telephone Number: 1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860	10. Field and Pool, or Wildcat: See attached listing
4. Location of Well Footages: See attached listing	County: See attached list
OQ, Sec., T., R., M.:	State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

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	LEC 7-SJ
2	DES 8-FILE
3	VLD (GIL)
4	RJR
5	LEC
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>	<u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
phone (406)	<u>259-7860</u>	phone (406)
account no.	<u>N9890</u>	account no.
		<u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-31387</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.
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

- RDR 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

9/20/10 BLM/BIA "Formal approval not necessary".

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓	MAXUS FEDERAL 23-8		GRRV					
4301331196	11880	09S 17E 8						
✓	MONUMENT FEDERAL 13-8		GRRV					
4301331382	11880	09S 17E 8						
✓	MONUMENT FEDERAL 21-17		GRRV					
4301331387	11880	09S 17E 17						
✓	FEDERAL 14-8		GRRV					
4301331398	11880	09S 17E 8						
✓	MONUMENT FEDERAL 33-8		GRRV					
4301331427	11880	09S 17E 8						
✓	MONUMENT FEDERAL 31-17		GRRV					
01331428	11880	09S 17E 17						
✓	MONUMENT FEDERAL 22-17		GRRV					
4301331429	11880	09S 17E 17						
✓	BALCRON MONUMENT FEDERAL 12-17		GRRV					
4301331431	11880	09S 17E 17						
✓	MONUMENT FEDERAL 43-7		GRRV					
4301331432	11880	09S 17E 7						
✓	MONUMENT FEDERAL 32-17		GRRV					
4301331465	11880	09S 17E 17						
✓	MONUMENT FEDERAL 41-17		GRRV					
4301331466	11880	09S 17E 17						
✓	BALCRON MONUMENT FEDERAL 42-17		GRRV					
4301331467	11880	09S 17E 17						
TOTALS								

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. #22-10-9-18Y	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



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

March 2, 1998

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

Re: Beluga (Green River) Unit
Duchesne County, Utah

Gentlemen:

On February 26, 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 Beluga (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective March 2, 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 the Beluga (Green River) Unit Agreement.

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

UT931:TAThompson:tt:3/2/98

Well Status Report
Utah State Office
Bureau of Land Management

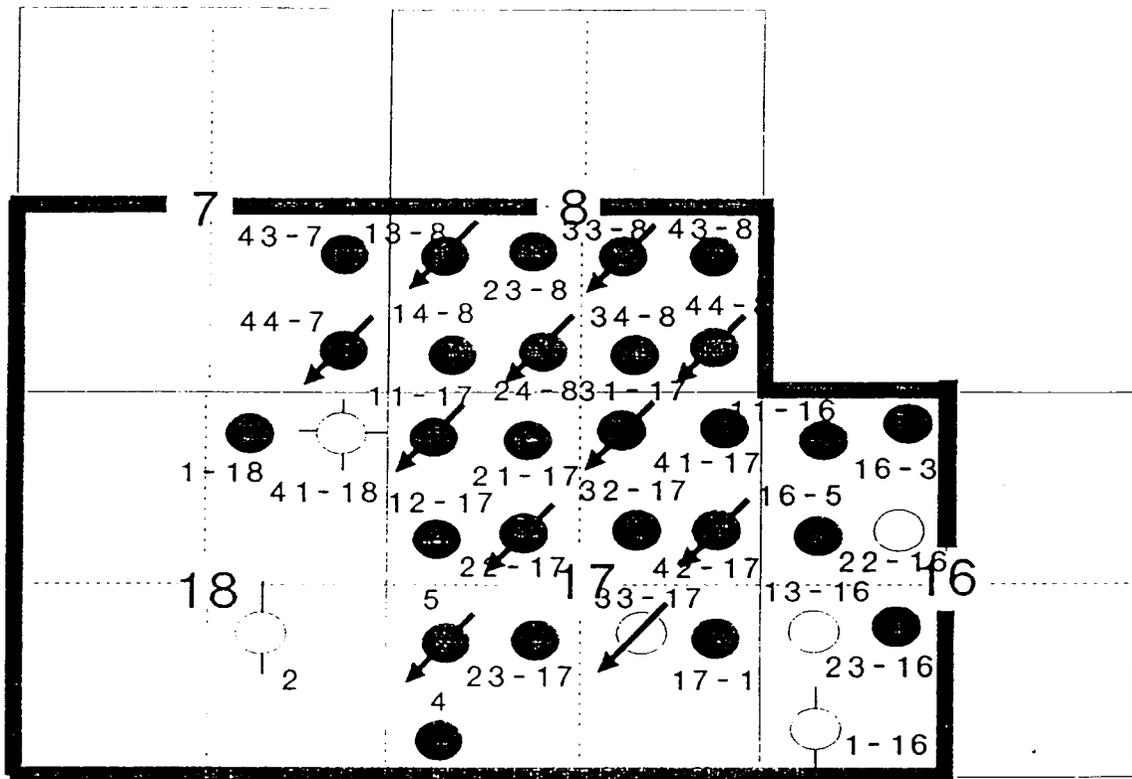
Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU75023X								
STATE	4301315582	1-16 SHELL-STATE	SWSW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330332	1-18 FEDERAL	NWNE	18	T 9S	R17E	TA	EQUITABLE RESOURCES ENERGY CO
STATE	4301330616	11-16 STATE-NGC	NWNW	16	T 9S	R17E	ABD (wiw)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330516	11-17 PIUTE-FEDERAL	NWNW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331431	12-17	SWNW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331580	13-16-9-17B	NWSW	16	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331382	13-8 MONUMENT FED	NWSW	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331398	14-8 MONUMENT FED	SWSW	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330562	16-3 MORRIS SUE	NENW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330570	16-5 DUNCAN-STATE	SWNW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU44430	4301330689	17-1 FEDERAL-DMD	NESE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330505	2 POMCO	NWSE	18	T 9S	R17E	TA	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331387	21-17 MONUMENT FED	NENW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331145	22-16-9-17B	SENW	16	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331429	22-17 MONUMENT FED	SENW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331578	23-16-9-17B	NESW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331582	23-179-17B	NESW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331196	23-8 MAXUS-FEDERAL	NESW	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330675	24-8 PIUTE-FEDERAL	SESW	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331428	31-17 MONUMENT BUTTE	NWNE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331465	32-17	SWNE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331581	33-17-9-17B	NWSE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331427	33-8 MONUMENT FED	NWSE	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330778	34-8 PAIUTE	SWSE	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330506	4 POMCO	SWSW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331466	41-17	NENE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331399	41-18 BALCROW FED	NENE	18	T 9S	R17E	ABD (PA)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331467	42-17	SENE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331432	43-7 MONUMENT BUTTE	NESE	7	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330777	43-8 PAIUTE	NESE	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330666	44-7 MOCOW-FEDERAL	SESE	7	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74398	4301330643	44-8-9-17	SESE	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330499	5 POMCO	NWSW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO

11250

BELUGA (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: FEBRUARY 1, 1996



17E

— UNIT OUTLINE (UTU75023X)

2,223.13 ACRES

SECONDARY ALLOCATION	
FEDERAL	89.74%
STATE	10.26%

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: _____	5. Lease Designation and Serial Number: See Attached
2. Name of Operator: Inland Production Company	6. If Indian, Allottee or Tribe Name: n/a
3. Address and Telephone Number: 475 - 17th Street, Suite 1500, Denver, CO 80202	7. Unit Agreement Name: See Attached
4. Location of Well Footages: See Attached Exhibit	8. Well Name and Number: See Attached
OO, Sec., T., R., M.: _____	9. API Well Number: See Attached
	10. Field and Pool, or Wildcat: See Attached
	County: _____ State: _____

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OCT 13 1997

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other <u>Change of Operator</u>	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Change of Operator</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion <u>9-30-97</u>
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13. Name & Signature: Chris A. Potter **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
BALCRON FEDERAL #22-20Y	SE NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32711-00	UTU64917	
BALCRON FEDERAL #41-19Y	NENE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32504-00	UTU65635	
MONUMENT FEDERAL #43-19Y	NE SE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32730-00	UTU65635	
MONUMENT FEDERAL #14-21Y	SW SW 219S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32726-00	UTU68105	
A. ANDERSON STATE #1-16	SW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-15582-00		UTU75023X
D. DUNCAN STATE #16-5	SWNW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30570-00		UTU75023X
DMD FEDERAL #17-1	NE SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30689-00		UTU75023X
FEDERAL #1-18	NWNE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30332-00		UTU75023X
MAXUS FEDERAL #23-8	NESW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31196-00		UTU75023X
MONUMENT BUTTE FED. #12-17	SWNW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31431-00		UTU75023X
MONUMENT BUTTE FED. #14-8	SWSW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31398-00		UTU75023X
MONUMENT BUTTE FED. #21-17	NENW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31387-00		UTU75023X
MONUMENT BUTTE FED. #32-17	SWNE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31465-00		UTU75023X
MONUMENT BUTTE FED. #41-17	NENE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31466-00		UTU75023X
MONUMENT BUTTE FED. #43-7	NESE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31432-00		UTU75023X
MONUMENT FEDERAL #23-17B	NE SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31582-00	UTU74108	UTU75023X
MONUMENT STATE #23-16B	NE SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31578-00		UTU75023X
PAIUTE FEDERAL #34-8	SWSE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30778-00		UTU75023X
PAIUTE FEDERAL #43-8	NESE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30777-00		UTU75023X
POMCO #2	NWSE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30505-00		UTU75023X
POMCO #4	NWSW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30506-00		UTU75023X
SUE MORRIS #16-3	NENW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30562-00		UTU75023X
MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844 Beluga	UTU75023X
MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145	UTU75023X
MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
BALCRON FEDERAL #12-10Y	SW NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31536-00	UTU65210	
BALCRON FEDERAL #21-10Y	NE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31537-00	UTU65210	
BALCRON FEDERAL #22-10Y	SE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31395-00	UTU65210	

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OCT 10 1997



October 7, 1997

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



RE: Change of Operator
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

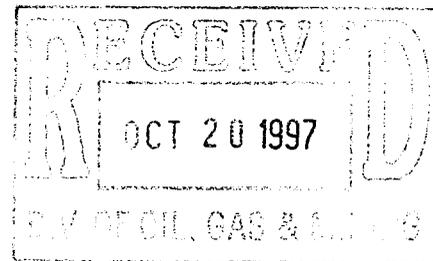
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY


Patsy Barreau

/pb
encls.





**EQUITABLE RESOURCES
ENERGY COMPANY**

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



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

TO: *Lisha*
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.
Call if you need anything
further.*

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-LEC ✓
2-GLH ✓	7-KAS ✓
3-FPS ✓	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

TO: (new operator) <u>INLAND PRODUCTION CO.</u>	FROM: (old operator) <u>EQUITABLE RESOURCES ENERGY</u>
(address) <u>PO BOX 1446</u>	(address) <u>C/O CRAZY MTN O&G SVS'S</u>
<u>ROOSEVELT UT 84066</u>	<u>PO BOX 577</u>
	<u>LAUREL MT 59044</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: ***BELUGA (GREEN RIVER) UNIT**

Name: <u>**SEE ATTACHED**</u>	API: <u>A3-013-31387</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: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 3-10-97)
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-20-97)
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: _____
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.
5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (3-11-98) * Quattro Pro & DBASE (WIC) 3-11-98.
6. **Cardex** file has been updated for each well listed above. (3-11-98)
7. Well **file labels** have been updated for each well listed above. (3-11-98)
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. (3-11-98)
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.

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): 1 / 98

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
SUE MORRIS 16-3			GRRV			ML3453B	Beluga (GP) unit	
4301330562	11880	09S 17E 16						
D. DUNCAN ST 16-5								
4301330570	11880	09S 17E 16						
FEDERAL D M D 17-1								
4301330689	11880	09S 17E 17						
PAIUTE FEDERAL 43-8								
4301330777	11880	09S 17E 8						
PAIUTE FEDERAL 34-8								
4301330778	11880	09S 17E 8						
MAXUS FEDERAL 23-8								
4301331196	11880	09S 17E 8						
MONUMENT FEDERAL 21-17								
4301331387	11880	09S 17E 17						
FEDERAL 14-8								
4301331398	11880	09S 17E 8						
BALCRON MONUMENT FEDERAL 12-17								
4301331431	11880	09S 17E 17						
MONUMENT FEDERAL 43-7								
4301331432	11880	09S 17E 7						
MONUMENT FEDERAL 32-17								
4301331465	11880	09S 17E 17						
MONUMENT FEDERAL 41-17								
4301331466	11880	09S 17E 17						
MONUMENT STATE 23-16-9-17B								
4301331578	11880	09S 17E 16						
TOTALS								

COMMENTS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697



Geoffrey S. Connor
Secretary of State

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 1st 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		

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **9/1/2004**

FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

CA No. **Unit:** **BELUGA (GREEN RIVER)**

WELL(S)								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MOCON FED 44-7	07	090S	170E	4301330666	11880	Federal	WI	A
MON FED 44-8-9-17B	08	090S	170E	4301330643	11880	Federal	WI	A
PAIUTE FED 24-8	08	090S	170E	4301330675	11880	Federal	WI	A
PAIUTE FEDERAL 43-8	08	090S	170E	4301330777	11880	Federal	OW	P
PAIUTE FEDERAL 34-8	08	090S	170E	4301330778	11880	Federal	OW	P
MAXUS FEDERAL 23-8	08	090S	170E	4301331196	11880	Federal	OW	P
MON FED 13-8	08	090S	170E	4301331382	11880	Federal	WI	A
FEDERAL 14-8	08	090S	170E	4301331398	11880	Federal	OW	P
A ANDERSON ST 1-16	16	090S	170E	4301315582	11880	State	OW	P
SUE MORRIS 16-3	16	090S	170E	4301330562	11880	State	OW	P
D DUNCAN ST 16-5	16	090S	170E	4301330570	11880	State	OW	P
MON ST 11-16-9-17B	16	090S	170E	4301330616	11880	State	WI	A
MON ST 22-16-9-17B	16	090S	170E	4301331145	11880	State	WI	A
POMCO 5	17	090S	170E	4301330499	11880	Federal	WI	A
POMCO 4	17	090S	170E	4301330506	11880	Federal	OW	P
PAIUTE FED 11-17	17	090S	170E	4301330516	11880	Federal	WI	A
FEDERAL D M D 17-1	17	090S	170E	4301330689	11880	Federal	OW	S
MONUMENT FED 21-17	17	090S	170E	4301331387	11880	Federal	OW	P
FEDERAL 1-18	18	090S	170E	4301330332	11880	Federal	OW	TA
POMCO 2	18	090S	170E	4301330505	11880	Federal	WI	A

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

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

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

AUG 06 2009

RE: Additional Well Monument Butte
Beluga Unit Permit
UIC Permit No. UT20798-00000
Well ID: UT20798-08423
Monument Federal 21-17-9-17
500' FNL & 1980' FWL
NE NW Sec. 17-T9S-R17E
Duchesne County, Utah
API # 43-013-31387

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Monument Federal 21-17-9-17 to an enhanced recovery injection well in the Monument Federal, Beluga Unit 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 the Monument Butte, Beluga Unit Area, Permit No. UT20798-00000, 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 the 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 3,539 feet and the estimated top of the Wasatch Formation at 5,903 feet.

RECEIVED

AUG 13 2009

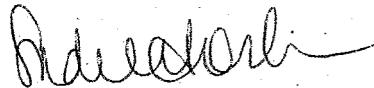
DIV. OF OIL, GAS & MINING

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a Part 1 (Internal) Mechanical Integrity Test (MIT), (2) a pore pressure calculation of the injection interval, (3) a complete EPA Form No.7520-12 (Well Rework Record) with a new schematic diagram, (4) a successful Radioactive Tracer Survey at the end of the 180 day limited authorization to inject.

The initial Maximum Allowable Injection Pressure (MAIP) for the Monument Federal 21-17-9-17 was determined to be 1,765 psig. UIC Area Permit UT20798-00000 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 Mr. Bob Near at (303) 312-6278 or 1-(800) 227-8917 (Ext. 312-6278). Please submit the required data to ATTENTION: Bob Near, at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,



 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 Wellbore and P&A Wellbore
Schematics for Monument Federal 21-17-9-17

cc: Letter Only

Curtis Cesspooch, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Irene Cuch, Vice Chairwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ronald Groves, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Steven Cesspooch, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Frances Poowegup, Councilwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

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

All enclosures:

Ferron Secakuku, Director
Natural Resources
Ute Indian Tribe

Larry Love, Director
Energy and Minerals Department
Ute Indian Tribe

Michael Guinn, District Manager
Newfield Production Company
Myton, Utah

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

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal Office



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: UT20798-00000

The Monument Butte Beluga Unit Final UIC Area Permit No. UT20798-00000, effective October 25, 1996, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On May 19, 2009, the Permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

Well Name: Monument Federal 21-17-9-17
EPA Well ID Number: UT 20798-08423
Location: 500'FNL & 1980'FWL
NE NW Sec. 17-T9S-R17E
Duchesne County, Utah.
API # 43-013-31387

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20798-00000 authorizes the Permittee to construct and operate, 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. UT20798-00000, as modified and as specified in the 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.

RECEIVED

AUG 13 2009

AUG 06 2009

Date: _____

DIV. OF OIL, GAS & MINING

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 21-17-9-17

EPA Well ID Number: UT 20798-08423

For well conversion, Operator must submit:

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

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, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. 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
- e) If the Director requests that a RTS be run for any reason

A submitted RTS which indicates the movement of fluid behind casing out of 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.

Approved Injection Zone: The approved Injection interval is from the top of the Garden Gulch Member [3,539' (KB)] to the estimated top of the Wasatch Formation [5,903' (KB)].

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1,765 psig**, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.88 \text{ psi/foot} \quad \text{SG} = 1.015 \quad \text{D} = \mathbf{4,017 \text{ feet}} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \mathbf{1,765 \text{ psig}} \end{aligned}$$

UIC Area Permit No. UT20798-00000 also provides the opportunity for the Permittee to request a change of the MAIP based upon 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). The cement record and cement bond log (CBL) were evaluated and failed to demonstrate the presence of adequate cement to prevent the possible migration of injection fluids from behind the casing from the injection zone.

Well Construction: Tubing and Packer: 2-7/8" 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:

- (1) 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 every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement, in the Confining Zone (3,507-3,598'), to prevent migration of injection fluid behind the casing from the injection zone, a RTS above the injection zone is required to confirm the presence of adequate cement. 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 permittee has demonstrated financial responsibility by an annual Financial Statement with a Plugging and Abandonment estimated cost of \$59,344 that has been approved by EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates 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 ft. 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 20 foot cement plug on top of the CIBP.

PLUG NO. 2: Perforate and Squeeze a cement plug on the backside of the 5-1/2" casing across the Trona and the Mahogany Bench zone between approximately 2,698' (KB) to 2,864' (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 166 foot balanced cement plug inside the 5-1/2" casing from approximately 2,698' (KB) to 2,864 (KB).

PLUG NO. 3: Perforate and Squeeze a cement plug on the backside of the 5-1/2" casing across the top of the Green River Formation between approximately 1,302' (KB) and 1,422 (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120 foot plug inside the 5-1/2" casing from approximately 1,302' (KB) to 1,422' (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing from 377' and up the 5 1/2" X 8-5/8" casing annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Monument Federal 21-17-9-17**

EPA Well ID Number: **UT20798-08423**

Underground Sources of Drinking Water (USDWs): USDWs in the Beluga Unit 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 169 feet below ground surface in the Monument Federal 21-17-9-17.

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 Douglas Creek Member – Green River Formation Water: 16,002 mg/l.

- TDS of Beluga Injection Facility System source water: 8,822 mg/l.

The **injectate** is water from the Beluga Facility Injection System blended with produced Green River Formation Water resulting in TDS < 10,000 mg/l.

Aquifer Exemption: An Aquifer Exemption is not required because the TDS of the produced water from the proposed injection well is greater than 10,000 mg/l.

Confining Zone: The Confining Zone is the established zone (3,507-3,539') above the Garden Gulch Member of the Green River Formation, with no 80%, or greater, cement bond.

Injection Zone: The Injection Zone is approximately 2,364' of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,539' to the estimated top of the Wasatch Formation at 5,903'. All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) type log.

Well Construction:

Surface Casing: 8-5/8" casing is set at 327' (KB) in a 12-1/4" hole, using 175 sacks Class G cement, circulated to the surface.

Longstring Casing: 5-1/2" casing is set at 5,648' (KB) in a 7-7/8" hole secured with 389 sacks of 50-50 POZ cement. Total driller depth is 5,650'. Plugged back total depth is 5,629'. EPA calculates top of cement at 3,129'. CBL top of cement is 2,512'.

Perforations: Top perforation: **4,017'** (KB) Bottom perforation: **5,424'** (KB)

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following six (6) wells that penetrate the Confining Zone within or proximate to a ¼ mile radius around the Monument Federal 21-17-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Beluga Fed. X-8-9-17 Directionally Drilled	API: 43-013-33572 (Bottom hole location)	NE NW Sec.17-T9S-R17E SE SW Sec. 8-T9S-R17E
---	---	--

Well: Paiute Fed. 24-8	API: 43-013-30675	SE SW Sec. 8-T9S-R17E
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Well: Paiute Fed. 11-17-9-17	API: 43-013-30516	NW NW Sec.17-T9S-R17E
------------------------------	-------------------	-----------------------

*Authorization for Additional Well: UIC Area Permit UT20798-00000
Well Monument Federal 21-17-9-17 EPA Well ID: UT20798-08423*

Well: Beluga Fed. C-17-9-17 Directionally Drilled	API: 43-013-33713 (Bottom hole location)	NW NE Sec. 17-T9S-R17E NWNW Sec. 17-T9S-R17E
Well: Balcron Mon. Fed. 22-17	API: 43-013-31429	SE NW Sec. 17-T9S-R17E
Well: Balcron Mon. Fed. 31-17	API: 43-013-31428	NW NE Sec. 17-T9S-R17E

Corrective Action NOT REQUIRED on four AOR Wells:

Well: Beluga Fed. X-8-9-17 The CBL shows 35' of 80% or greater cement bond.	API: 43-013-33572	SE SW Sec. 8-T9S-R17E TOC 46' CBL.
Well: Paiute Fed. 24-8 The CBL shows 33" of 100% cement bond.	API: 43-013-30675	SE SW Sec. 8-T9S-R17E TOC 620' CBL
Well: Paiute Fed. 11-17 The CBL shows 34' of 80% or greater cement bond.	API: 43-013-30516	NW NW Sec. 17-T9S-R17E TOC 740' CBL
Well: Beluga Fed. C-17-9-17 The CBL shows 28' of 80% or greater cement bond.	API: 43-013-33713	NW NE Sec. 17-T9S-R17E TOC 30'

Corrective Action REQUIRED on two AOR Wells:

Well: Balcron Mon. Fed. 22-17 CBL shows only 8' of 80% or greater cement bond.	API: 43-013-31429	SE SW Sec. 17-T9S-R17E TOC 2,735' CBL
Well: Balcron Mon. Fed 31-17 CBL shows 0' 80% or greater cement bond.	API: 43-013-31428	NW NE Sec. 17-T9S-R17E TOC 2,410' CBL

AOR Well Corrective Action Plan:

The Balcron Mon. Fed. 22-17 and 31-17 will be monitored weekly at the surface for evidence of fluid movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "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."

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure, described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, the Permittee will shut in the Monument Federal 21-17-9-17 well immediately and notify the Director: No injection into the Monument Federal 21-17-9-17 well will be permitted until the 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 re-commence injection.

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.

Monument Federal #21-17-9-17

Spud Date: 9/24/93
 Completion Date: 11/24/93
 GL: 5369.3' KB: 5382.3' KB (13' KB)

Proposed Injection
 Wellbore Diagram

Initial Production: 60 BO,
 600 MCF, 40 BW

SURFACE CASING

STRING: 1
 CSG SIZE: 8-5/8"
 GRADE: J-55 *Base USDW 1169'*
 WEIGHT: 24#
 LENGTH: 315.45' (7 jts)
 DEPTH LANDED: 327' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: By Western w/175 sxs "G" w/
 2% CCL & 1/4#sxs Celo-Seal.

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5653' (129 jts)
 DEPTH LANDED: 5648' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: By Western w/148 sxs Thrifty-
 Lite & tail w/241 sxs
 50-50 POZ.

CEMENT TOP AT: 2512' KB per CBL *TOC/EPA 3129'*

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 130 jts (3990.25')
 TUBING ANCHOR: 2.75' (8" tension)
 NO. OF JOINTS: 47 jts (1446.77')
 SEATING NIPPLE: 2 7/8" x 1.1'
 PERFORATED SUB: 2 7/8" x 4.1'
 MUD ANCHOR: 2 7/8" x 30.76'
 TOTAL STRING LENGTH: 4996.80'
 SN LANDED AT: 4976.17'

No 80% Cement Bond

FRAC JOB

5398' - 5404' 11/2/93 by Western w/19,300# 20/40 &
 & 5411' - 5416' -13,000# 16/30 w/ 10,500 gal 2%
 & 5422' - 5424' KCL gel. ATP-1700#, Max-2070#,
 ATR-20 bpm, Max-20 bpm. ISIP -
 1530 psi, 5min-1350, 10min-1200
 15 min-1130 psi.
 4018' - 4097' 11/5/93 by Western w/61,500# 16/30
 w/ 22,490 gals 2% KCl gel
 ATP 2460 psi, max 2700 psi.
 ATR-29.7bpm, Max-30.1. ISIP-
 1930 psi, 5min-1730, 10 min-1630
 psi, 15 min-1570 psi.

ACID JOB / BREAKDOWN JOB

5398' - 5404' 11/1/93 500 gals 15% HCl w/ 52 balls. Balled
 & 5411' - 5416' out. ATP-1000 psi, Max-4000 psi.
 & 5422' - 5424' ATR-4 bpm, Max-4 bpm. ISIP 1000 psi.
 4818' - 4851' 11/4/93 2772 gal 2% KCl w/ ball sealers.
 Ball out. ATP-1700 psi, Max 4000
 psi. ATR-4.6 bpm. ISIP-1200 psi.
 4069' - 4084' 11/4/93 1267 gals 2% KCl w/ 18 ball sealers
 Ball off. ATP-1800 psi, Max-4300 psi,
 ATR-4.6 bpm, Max-4.6 bpm ISIP - 1100 psi.

Cement Top 2512'

-2748' Trona
-2794-2814 Mahogany B.

PERFORATION RECORD

Interval	Date	Notes
4017' - 4023'	Y2	
4040' - 4052'	Y2	
4069' - 4076'	Y3	
4081' - 4084'	Y3	
4094' - 4098'	Y3	
5398' - 5404'	11/1/93	B1 (2 SPF)
5411' - 5416'	11/1/93	B1 (2 SPF)
5422' - 5424'	11/1/93	B1 (2 SPF)

-4524' Douglas Crk.
-5364' Castle Peak

-5773' Est. Basal Carb.

Sand Top @ 4017'
 PBTD @ 5629'
 TD @ 5650'

Est. Wasatch 5903'

NEWFIELD

Monument Federal #21-17-9-17
 500' FNL 1980' FWL
 NE/NW Section 17-T9S-R17E
 Duchesne Co, Utah
 API #43-013-31387; Lease #UTU-72106

Monument Federal #21-17-9-17

Spud Date: 9/24/93
 Completion Date: 11/24/93
 GL: 5369.3' KB: 5382.3' KB (13' KB)

Proposed P & A
 Wellbore Diagram

Initial Production: 60 BO,
 600 MCF; 40 BW

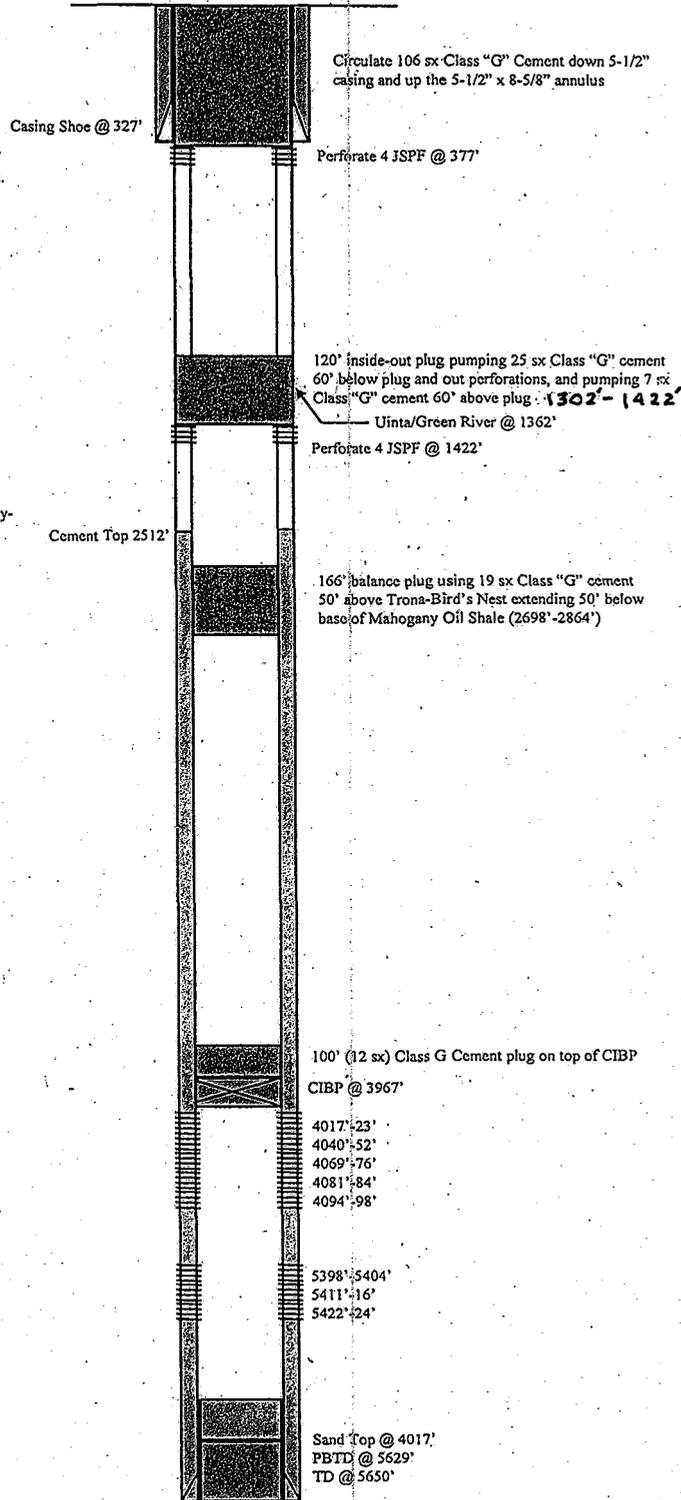
SURFACE CASING

STRING: 1
 CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 315.45' (7 jts)
 DEPTH LANDED: 327' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: By Western w/175 sxs "G" w/
 2% CCL & 1/4#/sx Celo-Seal.

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5653' (129 jts)
 DEPTH LANDED: 5648' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: By Western w/148 sxs Thrifty-
 Lite & tail w/241 sxs
 50-50 POZ.

CEMENT TOP AT: 2512' KB per CBL



Monument Federal #21-17-9-17
 500' FNL 1980' FWL
 NE/NW Section 17-T9S-R17E
 Duchesne Co, Utah
 API #43-013-31387; Lease #UTU-72106

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-72106

SUNDRY NOTICES AND REPORTS ON WELLS

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
MONUMENT FED 21-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331387

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 500 FNL 1980 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 17, T9S, R17E

STATE: UT

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 (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>04/05/2010</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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 03/23/2010. On 3/22/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/05/2010 the casing was pressured up to 1149 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# UT20798-08423 API# 43-013-31387

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE  DATE 04/06/2010

(This space for State use only)

**RECEIVED
APR 08 2010
DIV. OF OIL, GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

5. Lease Serial No.
USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GMBU

8. Well Name and No.
MONUMENT FED 21-17

9. API Well No.
4301331387

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include are code)
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500 FNL 1980 FWL
NENW Section 17 T9S R17E

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

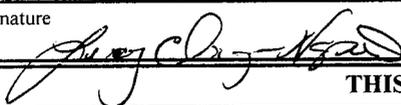
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate 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 recompleation 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.)

The subject well has been converted from a producing oil well to an injection well on 03/23/2010. On 3/22/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/05/2010 the casing was pressured up to 1149 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# UT20798-08423 API# 43-013-31387

I hereby certify that the foregoing is true and correct (Printed/ Typed)
Lucy Chavez-Naupoto

Signature 

Title
Administrative Assistant

Date
04/06/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED
APR 08 2010

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 04/05/2010
 Test conducted by: Lynn Monson
 Others present: _____

Well Name: <u>Monument Federal 21-17-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>NE/NW</u> Sec: <u>17</u> T <u>9</u> N <u>15</u> R <u>17</u> <u>W</u> County: <u>Duchesne</u> State: <u>Ut</u>		
Operator: <u>New Field</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: 0 psig

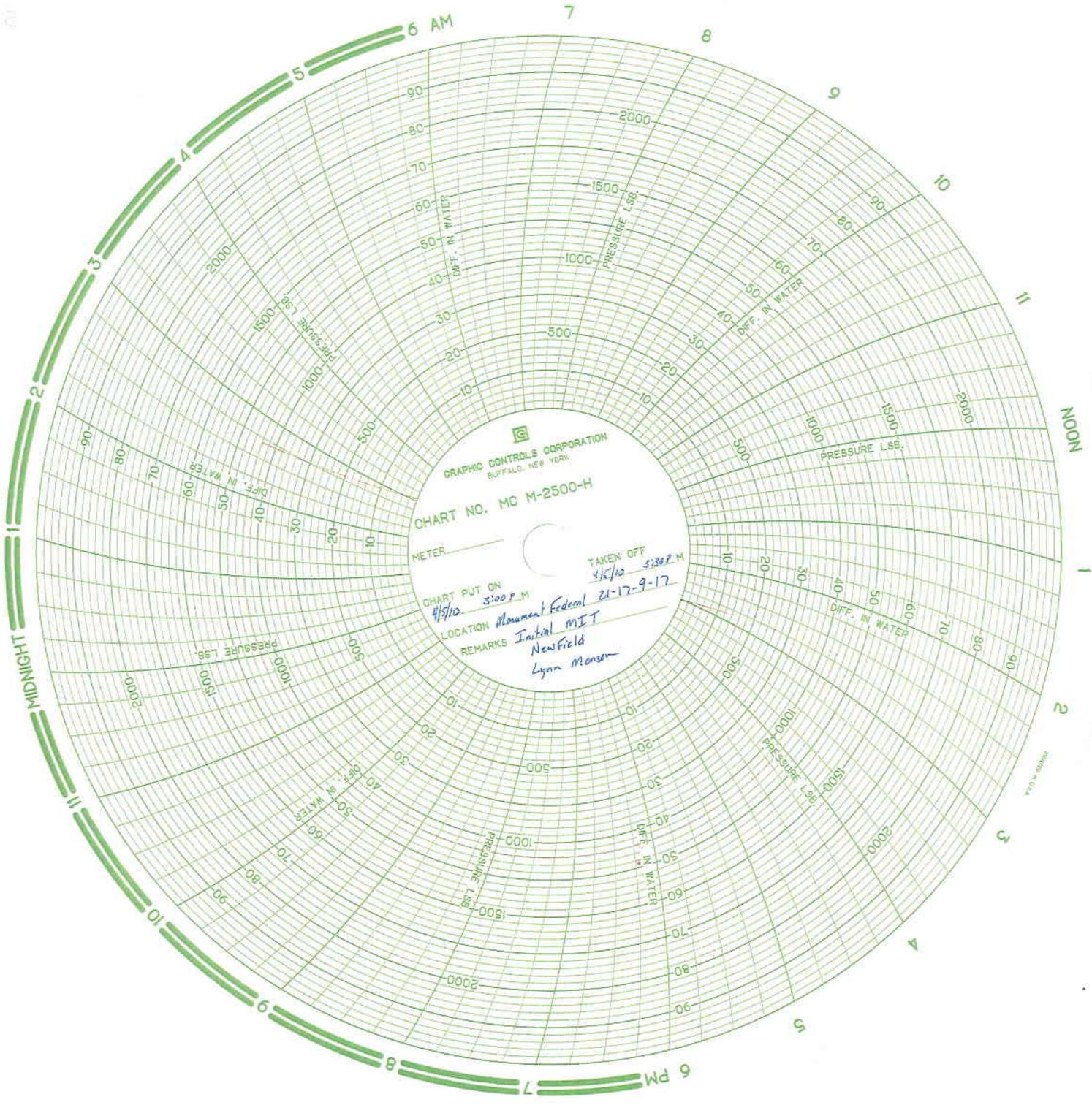
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1149</u> psig	psig	psig
5 minutes	<u>1149</u> psig	psig	psig
10 minutes	<u>1149</u> psig	psig	psig
15 minutes	<u>1149</u> psig	psig	psig
20 minutes	<u>1149</u> psig	psig	psig
25 minutes	<u>1149</u> psig	psig	psig
30 minutes	<u>1149</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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: _____



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER _____
CHART PUT ON 4/5/10 3:00 P.M.
TAKEN OFF 4/5/10 3:30 P.M.
LOCATION Monument Federal 21-17-9-17
REMARKS Initial MIT
Newfield
Lynn Manson

710-00000

Daily Activity Report

Format For Sundry

MON 21-17-9-17**1/1/2010 To 5/30/2010****3/22/2010 Day: 1****Conversion**

WWS #7 on 3/22/2010 - LD rod string & pump. Start TOH W/ production tbg. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH. ND wellhead & release TA @ 4003'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 60 jts. SIFN.

Daily Cost: \$0**Cumulative Cost:** \$41,402

3/23/2010 Day: 2**Conversion**

WWS #7 on 3/23/2010 - Finish TOH w/ tbg. TIH w/ pkr. Pressure test tbg. Pump pkr fluid. Set pkr & pressure test annulus & pkr. RDMOSU. Ready for MIT - Flush tbg w/ 30 BW. Continue TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. 129 jts out. LD remaining tbg & BHA. Flush tbg 2 times on the way out, Total of 60 BW. PU & RIH w/ re-entry guided, 5 1/2" AS1 pkr, SN & 129 jts of tbg. Pumped 20 BW down tbg. Drop SV. Fill tbg w/ 10 BW. Pressure test tbg to 3000 psi. Fish SV. Pumped 50 bbls of fresh wtr w/ pkr fluid down csg. ND BOP. Set pkr w/ 15,000#'s of tension @ 3977'. NU WH. Pressure test pkr & annulus to 1500 psi. RDMO. READY FOR MIT!!!

Daily Cost: \$0**Cumulative Cost:** \$47,150

4/6/2010 Day: 3**Conversion**

Rigless on 4/6/2010 - MIT on Well - On 3/22/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Monument 21-17-9-17). On 4/5/2010 the csg was pressured up to 1149 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. Final Report EPA# UT20798-08423 API# 43-013-31387 **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$47,450

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>

APR 23 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, UT 84052

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

RECEIVED

MAY 06 2010

DIV. OF OIL, GAS & MINING

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT20798-08423
Monument Federal 21-17-9-17
NE NW Sec. 17-T9S-R17E
Duchesne County, Utah
API No.: 43-013-31387

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) April 6, 2010, 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 EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20798-08423.

As of the date of this letter, Newfield is authorized to commence injection into the Monument Federal 21-17-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,765 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required.

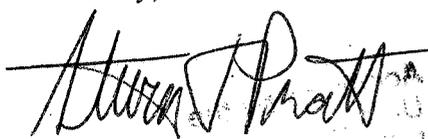
The RTS is required to demonstrate no significant upward migration of injection fluids behind the casing from the injection zone because the cement bond log for the Monument Federal 21-17-9-17 well shows an insufficient interval of 80% cement bond index, or greater, through the confining zone. It is intended that the 180-day period will allow the injection zone pressure to increase prior to conducting the RTS, which is necessary because it may be under pressured due to previous oil production.

If Newfield seeks a higher MAIP than 1,765 psig, it may be advantageous to run a Step Rate Test (SRT) prior to conducting the RTS. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test. Should Newfield apply for a MAIP increase, a RTS conducted at the higher MAIP will be required.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20798-08423.

If you have questions regarding the above action, please call Bob Near at 303-312-6278 or 1-800-227-8917, ext. 312-6278. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-GW.

Sincerely,



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

FOR RECORD ONLY

cc: Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

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

Eric Sundberg, Regulatory Analyst
Newfield Production Company

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-72106

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
MONUMENT FED 21-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331387

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 500 FNL 1980 FWL
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 17, T9S, R17E

COUNTY: DUCHESNE
STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>09/28/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Put on Injection
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The above reference well was put on injection at 12:00 PM on 09-28-2010.

EPA # UT20798-08423 API # 43-013-31387

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 09/28/2010

(This space for State use only)

RECEIVED
SEP 30 2010
DIV. OF OIL, GAS & MINING



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

FEB 03 2011

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

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

RE: Underground Injection Control (UIC)
Authorization to Continue Injection
EPA UIC Permit UT20798-08423
Well: Monument Federal 21-17-9-17
NE NW Sec. 17-T9S-R17E
Duchesne County, UT
API No.: 43-013-31387

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, received the results of the December 15, 2010, Radioactive Tracer Survey (RTS) for the Monument Federal well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,765 psig. able

As of the date of this letter, EPA hereby authorizes continued injection in the Monument Federal 21-17-9-17 well under the terms and conditions of UIC Permit UT20798-08423.

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 (SRT) that measures fracture opening pressure and determines the fracture gradient at this depth and location. The information received from the SRT must be submitted to the Director in order to receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of EPA guidelines for running SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required. P, a

RECEIVED

FEB 09 2011

DIV. OF OIL, GAS & MINING

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

Mr. Nathan Wiser
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20798-08423.

If you have questions regarding the above action, please call Bob Near at 312-6278 or 1-800-227-8917, ext. 312-6278.

Sincerely,

for 
FOR RECORD ONLY
Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

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

Daniel Picard
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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-3563A
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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: MONUMENT FED 21-17	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013313870000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0500 FNL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 17 Township: 09.0S Range: 17.0E Meridian: S	COUNTY: DUCHESNE	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/5/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <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"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
5 YR MIT performed on the above listed well. On 03/05/2015 the casing was pressured up to 1173 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 523 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08423		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 09, 2015
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 3/6/2015	

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 3 13 15
 Test conducted by: PETE MONTAGUE
 Others present: _____

Well Name: <u>MONUMENT FED. 21-17-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>MONUMENT BUTTE</u>		
Location: <u>21</u> Sec: <u>17</u> T <u>9</u> N <u>15</u> R <u>17</u> <u>EW</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>NEWFIELD</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1729</u>	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: 0 / 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	1526 psig	psig	psig
End of test pressure	1523 psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
0 minutes	1174 psig	psig	psig
5 minutes	1175 psig	psig	psig
10 minutes	1174 psig	psig	psig
15 minutes	1174 psig	psig	psig
20 minutes	1174 psig	psig	psig
25 minutes	1174 psig	psig	psig
30 minutes	1173 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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

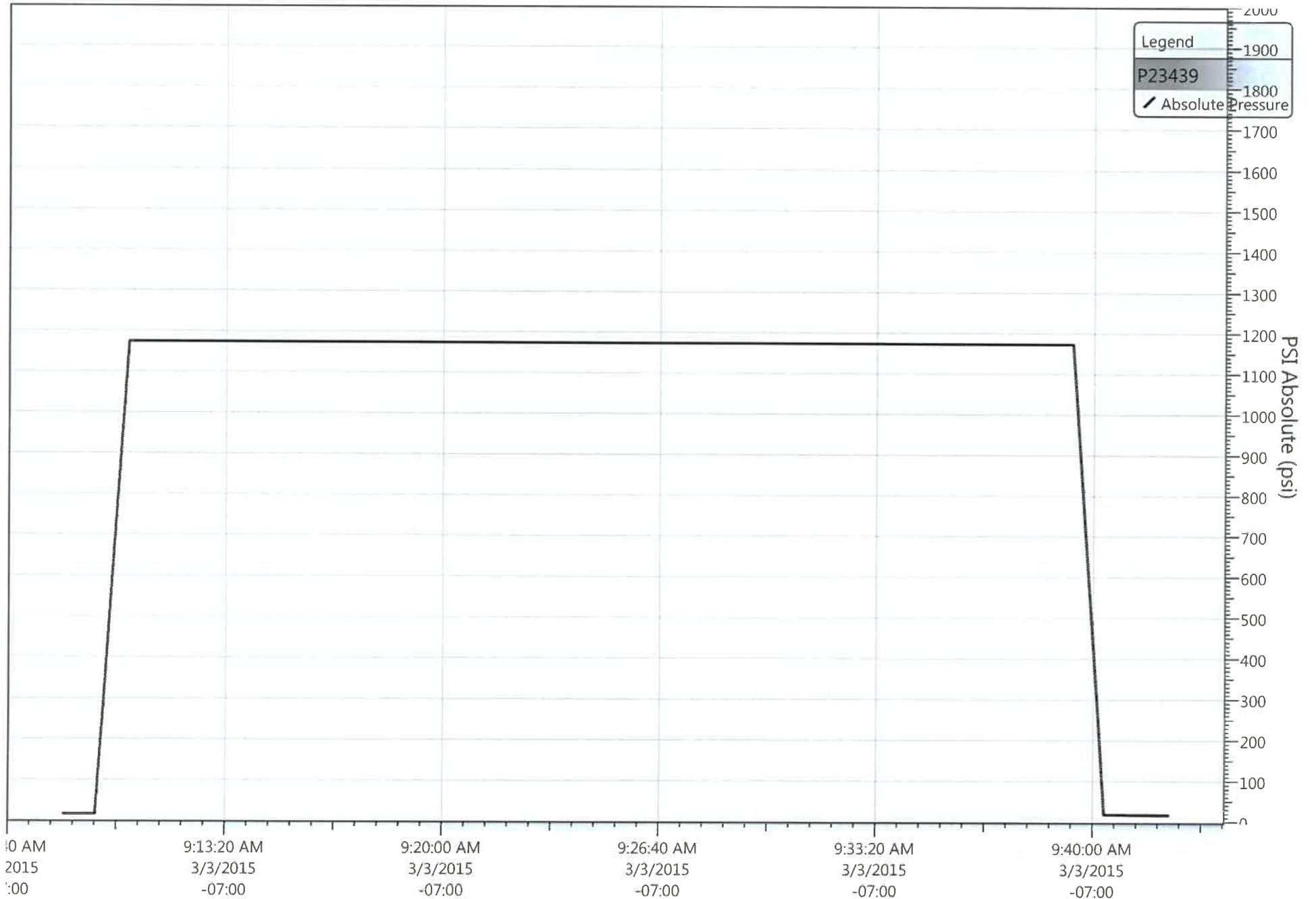
MECHANICAL INTEGRITY PRESSURE TEST

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: _____

Monument Federal 21-17-9-17, 5-Year MIT (3-3-15)

3/3/2015 9:08:10 AM



Monument Federal 21-17-9-17

Spud Date: 9/24/93
 Completion Date: 11/24/93
 GL: 5369.3' KB: 5382.3' KB (13' KB)

Initial Production:
 60 BO, 600 MCF, 40 BW

SURFACE CASING

STRING: 1
 CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 315.45' (7 jts)
 DEPTH LANDED: 327' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: By Western w/175 sxs "G" w/
 2% CCL & 1-4#sx Celo-Seal.

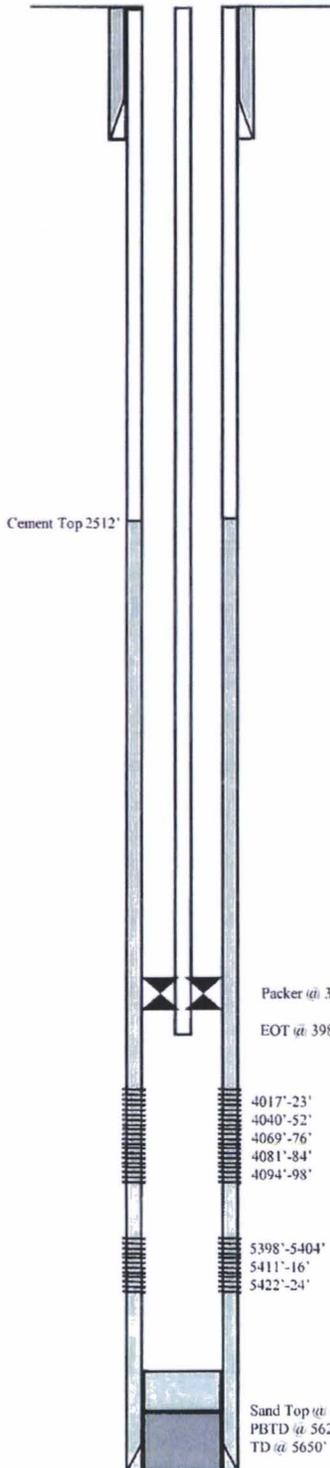
PRODUCTION CASING

STRING: 1
 CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 565.3' (129 jts)
 DEPTH LANDED: 5648' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: By Western w/148 sxs Thrifty-
 Lite & tail w/241 sxs
 50-50 POZ.
 CEMENT TOP AT: 2512' KB per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" J-55 6.5#
 NO. OF JOINTS: 129 jts (3960.1')
 SEATING NIPPLE: 2 7/8" x 1.1"
 SN LANDED AT: 3973.1
 CE @ 3977'
 TOTAL STRING LENGTH: 3982'

Injection Wellbore Diagram



FRAC JOB

5398' - 5404' 11/2/93 by Western w/19,300# 20/40 &
 & 5411' - 5416' 13,000# 16/30 w/ 10,500 gal 2%
 & 5422' - 5424' KCl gel. ATP-1700#, Max-2070#,
 ATR-20 bpm, Max-20 bpm. ISIP -
 1530 psi, 5min-1350, 10min-1200
 15 min-1130 psi.
 4018' - 4097' 11/5/93 by Western w/61,500# 16/30
 w/ 22,490 gals 2% KCl gel
 ATP 2460 psi, max 2700 psi.
 ATR-29.7bpm, Max-30.1, ISIP-
 1930 psi, 5min-1730, 10 min- 1630
 psi, 15 min-1570 psi.

ACID JOB / BREAKDOWN JOB

5398' - 5404' 11/1/93 500 gals 15% HCl w/ 52 balls. Balled
 & 5411' - 5416' out. ATP-1000 psi, Max-4000 psi.
 & 5422' - 5424' ATR-4 bpm, Max-4 bpm. ISIP 1000 psi.
 4818' - 4851' 11/4/93 2772 gal 2% KCl w/ ball sealers.
 Ball out. ATP-1700 psi, Max 4000
 psi. ATR-4.6 bpm. ISIP-1200 psi.
 4069' - 4084' 11/4/93 1267 gals 2% KCl w/ 18 ball sealers
 Ball off. ATP-1800 psi, Max-4300 psi,
 ATR-4.6 bpm, Max-4.6 bpm ISIP - 1100 psi.
 03-23-10 Convert to Injection well
 04-05-10 MIT Completed - tbg detail updated

PERFORATION RECORD

4017' - 4023'	Y2
4040' - 4052'	Y2
4069' - 4076'	Y3
4081' - 4084'	Y3
4094' - 4098'	Y3
5398' - 5404'	11/1/93 B1 (2 SPF)
5411' - 5416'	11/1/93 B1 (2 SPF)
5422' - 5424'	11/1/93 B1 (2 SPF)

NEWFIELD

Monument Federal #21-17-9-17

500' FNL 1980' FWL

NE/NW Section 17-T9S-R17E

Duchesne Co, Utah

API #43-013-31387; Lease #UTU-72106

WELL NAME: **BALCRON MONUMENT FED #21-17**

FIELD: Monument Butte (Beluga Unit)

FEDERAL LEASE NO.: U-3563-A

LOCATION: NE NW Sec.17, T9S, R17E

FOOTAGE: 500' FNL, 1980' FWL

COUNTY/STATE: Duchesne County, Utah

WORKING INTEREST: 0.91491728

PRODUCING FORMATION: Green River

COMPLETION DATE: 11-24-93

INITIAL PRODUCTION: 60 BO, 600 MCF, 40 BW

OIL/GAS PURCHASER: Amoco

PRESENT PROD STATUS: Pumping Oil Well

ELEVATIONS - GROUND: 5369.3' GL

TOTAL DEPTH: 5650' KB

DATE : 11/9/95 vk

API NO.: 43-013-31387

NET REVENUE INTEREST: 0.80471769 Oil
 0.73108274 Gas

SPUD DATE: 9-24-93

OIL GRAVITY: 34 Deg.

BHT: 142 Deg.

KB: 5382.3' KB (13' KB)

PLUG BACK TD: 5629' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 315.45' (7 jts)
 DEPTH LANDED: 327' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: By Western w/175 sxs "G" w/
 2% CCL & 1/4#/sx Celo-Seal.

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 130 jts (3990.25')
 TUBING ANCHOR: 2.75' (8" tension)
 NO. OF JOINTS: 47 jts (1446.77')
 SEATING NIPPLE: 2 7/8" x 1.1'
 PERFORATED SUB: 2 7/8" x 4.1'
 MUD ANCHOR: 2 7/8" x 30.76'
 TOTAL STRING LENGTH: 4996.80'
 SN LANDED AT: 4976.17'

SUCKER ROD RECORD

POLISHED ROD: 1-1/4" X 22' SM
 SUCKER RODS: 1 - 3/4" x 4' Pony
 217 - 3/4" x 25' Plain

TOTAL ROD STRING LENGTH: 5445.5'

PUMP NUMBER: #1012 (Trico)
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC
 w/ PA plunger
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 6 SPM
 PUMPING UNIT SIZE:
 PRIME MOVER:

LOGS:

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5653' (129 jts)
 DEPTH LANDED: 5648' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: By Western w/148 sxs Thrifty-
 Lite & tail w/241 sxs
 50-50 POZ.

CEMENT TOP AT: 2512' KB per CBL

PERFORATION RECORD

4017' - 4023' Y2
 4040' - 4052' Y2
 4069' - 4076' Y3
 4081' - 4084' Y
 4094' - 4098' Y3
 5398' - 5404' 11/1/93 B1 (2 SPF)
 5411' - 5416' 11/1/93 B1 (2 SPF)
 5422' - 5424' 11/1/93 B1 (2 SPF)

ACID JOB / BREAKDOWN JOB

5398' - 5404' 11/1/93 500 gals 15% HCl w/ 52 balls. Balled
 & 5411' - 5416' out. ATP-1000 psi, Max-4000 psi.
 & 5422' - 5424' ATR-4 bpm, Max-4 bpm. ISIP 1000 psi.

4818' - 4851' 11/4/93 2772 gal 2% KCl w/ ball sealers.
 Ball out. ATP-1700 psi, Max 4000
 psi. ATR-4.6 bpm. ISIP-1200 psi.

4069' - 4084' 11/4/93 1267 gals 2% KCl w/ 18 ball sealers
 Ball off. ATP-1800 psi, Max-4300 psi,
 ATR-4.6 bpm, Max-4.6 bpm
 ISIP - 1100 psi.

FRAC JOB

5398' - 5404' 11/2/93 by Western w/19,300# 20/40 &
 & 5411' - 5416' 13,000# 16/30 w/ 10,500 gal 2%
 & 5422' - 5424' KCL gel. ATP-1700#, Max-2070#,
 ATR-20 bpm, Max-20 bpm. ISIP -
 1530 psi, 5min-1350, 10min-1200
 15 min-1130 psi.

4018' - 4097' 11/5/93 by Western w/61,500# 16/30
 w/ 22,490 gals 2% KCl gel
 ATP 2460 psi, max 2700 psi.
 ATR-29.7bpm, Max-30.1, ISIP-
 1930 psi, 5min-1730, 10 min-
 1630 psi, 15 min-1570 psi.

Elev.GR - 5369.3' GL
Elev.KB - 5382.3' KB (13' KB)

WELLBORE DIAGRAM

DATE : 11/9/95 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 315.45' (7 jts)
DEPTH LANDED: 327' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/175 sxs "G" w/
2% CCL & 1/4#/sx Celo-Seal.

327' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5653' (129 jts)
DEPTH LANDED: 5648' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/148 sxs Thrifty-
Lite & tail w/241 sxs
50-50 POZ.

CEMENT TOP AT: 2512' KB per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 130 jts (3990.25')
TUBING ANCHOR: 2.75' (8" tension)
NO. OF JOINTS: 47 jts (1446.77')
SEATING NIPPLE: 2 7/8" x 1.1'
PERFORATED SUB: 2 7/8" x 4.1'
MUD ANCHOR: 2 7/8" x 30.76'
STRING LENGTH: 4996.80'
SN LANDED AT: 4976.17'

SUCKER RODS

POLISHED ROD: 1-1/4" X 22' SM
SUCKER RODS: 1 - 3/4" x 4' Pony
217 - 3/4" x 25' Plain

STRING LENGTH: 5445.5'

PUMP NUMBER: #1012 (Trico)
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC
w/ PA plunger

STROKE LENGTH: 74"
PUMP SPEED, SPM: 6 SPM
PUMPING UNIT:
PRIME MOVER:

LOGS:

ACID JOB /BREAKDOWN

5398' - 5404' & 5411' - 5416' & 5422' - 5424'	11/1/93	500 gals 15% HCl w/ 52 balls. Balled out. ATP-1000 psi, Max-4000 psi. ATR-4 bpm, Max-4 bpm. ISIP 1000 psi.
4818' - 4851'	11/4/93	2772 gal 2% KCl w/ ball sealers. Ball out. ATP-1700 psi, Max 4000 psi. ATR-4.6 bpm. ISIP-1200 psi.
4069' - 4084'	11/4/93	1267 gals 2% KCl w/ 18 ball sealers. Ball off. ATP-1800 psi, Max-4300 psi, ATR-4.6 bpm, Max-4.6 bpm ISIP - 1100 psi

FRAC JOB

5398' - 5404' & 5411' - 5416' & 5422' - 5424'	11/2/93	by Western w/19,300# 20/40 & 13,000# 16/30 w/ 10,500 gal 2% KCL gel. ATP-1700#, Max-2070#, ATR-20 bpm, Max-20 bpm. ISIP - 1530 psi, 5min-1350, 10min-1200 15 min-1130 psi.
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TOC @ 2512' KB

4018' - 4097'	11/5/93	by Western w/61,500# 16/30 w/ 22,490 gals 2% KCl gel. ATP 2460 psi, max 2700 psi. ATR-29.7 bpm, Max-30.1, ISIP-1930 psi, 5min-1730, 10 min-1630 psi, 15 min-1570 psi.
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PERFORATION RECORD

4017' - 4023'	Y2
4040' - 4052'	Y2
4069' - 4076'	Y3
4081' - 4084'	Y3
4094' - 4098'	Y3
5398' - 5404'	11/1/93 B1 (2 SPF)
5411' - 5416'	11/1/93 B1 (2 SPF)
5422' - 5424'	11/1/93 B1 (2 SPF)

4018' - 4097'
SN LANDED @ 4976' KB
EOT LANDED @ 5010' KB

5398' - 5404'

5411' - 5416'
5422' - 5424'

PBTD @ 5629' KB
TD @ 5650' KB