



EQUITABLE RESOURCES  
ENERGY COMPANY

**BALCRON OIL DIVISION**

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

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

December 19, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list.

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

Archeology and palentology surveys have been ordered and reports will be sent to you as soon as they are complete.

Sincerely,

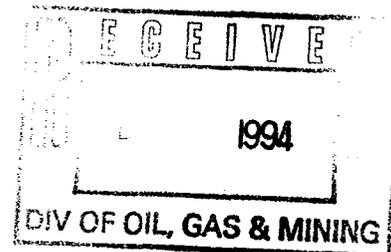
*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

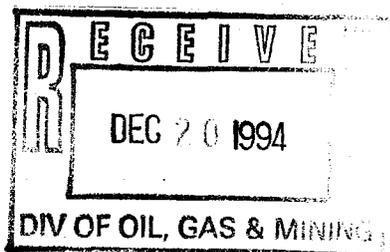
**CONFIDENTIAL**

<b>APPLICATION FOR PERMIT TO DRILL OR DEEPEN</b>		5. Lease Designation and Serial Number: Federal #U-44426
1A. Type of Work:    DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: n/a
B. Type of Well:    OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:                      SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name: Jonah Unit
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division		8. Farm or Lease Name: Balcron Monument Federal
3. Address and Telephone Number: P.O. Box 21017; Billings, MT 59104                      (406) 259-7860		9. Well Number: #41-12J
4. Location of Well (Footages) At Surface:    NE NE Section 12, T9S, R16E <sup>209'</sup> 395' FNL, <sup>431'</sup> 476' FEL At Proposed Producing Zone:		10. Field and Pool, or Wildcat: Monument Butte/Green River
14. Distance in miles and direction from nearest town or post office: Approximately 13 miles southwest of Myton, Utah		11. Qtr/Clr, Section, Township, Range, Meridian: NE NE 12, T9S, R16E
15. Distance to nearest property or lease line (feet):	16. Number of acres in lease:	12. County: Duchesne
17. Number of acres assigned to this well:	18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):	13. State: UTAH
19. Proposed Depth: 5,750'	20. Rotary or cable tools: Rotary	
21. Elevations (show whether DF, RT, GR, etc.): GL 5457.6'	22. Approximate date work will start: 3/1/95	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

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



24. Name & Signature: <u>Bobbie Schuman</u> Bobbie Schuman	Regulatory and Environmental Specialist Title: <u>APPROVED BY THE STATE</u> Date: <u>12-19-94</u>
API Number Assigned: <u>43-013-31482</u>	Approval: DATE: <u>4/14/95</u> BY: <u>[Signature]</u> WELL SPACING: <u>PL 9-2-3</u>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER

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  
 NE NE Section 12, T9S, R16E  
 At proposed prod. zone

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
 5,750'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GL 5457.6'

22. APPROX. DATE WORK WILL START\*  
 3/1/95

5. LEASE DESIGNATION AND SERIAL NO.  
 U-44426

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

7. UNIT AGREEMENT NAME  
 Jonah Unit

8. FARM OR LEASE NAME  
 Balcron Monument Federal

9. WELL NO.  
 #41-12J

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

11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA  
 Sec. 12, T9S, R16E

12. COUNTY OR PARISH  
 Duchesne

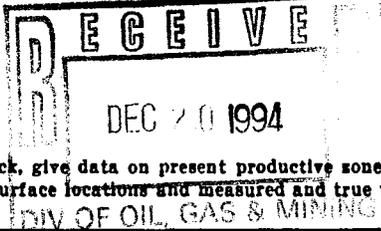
13. STATE  
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

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

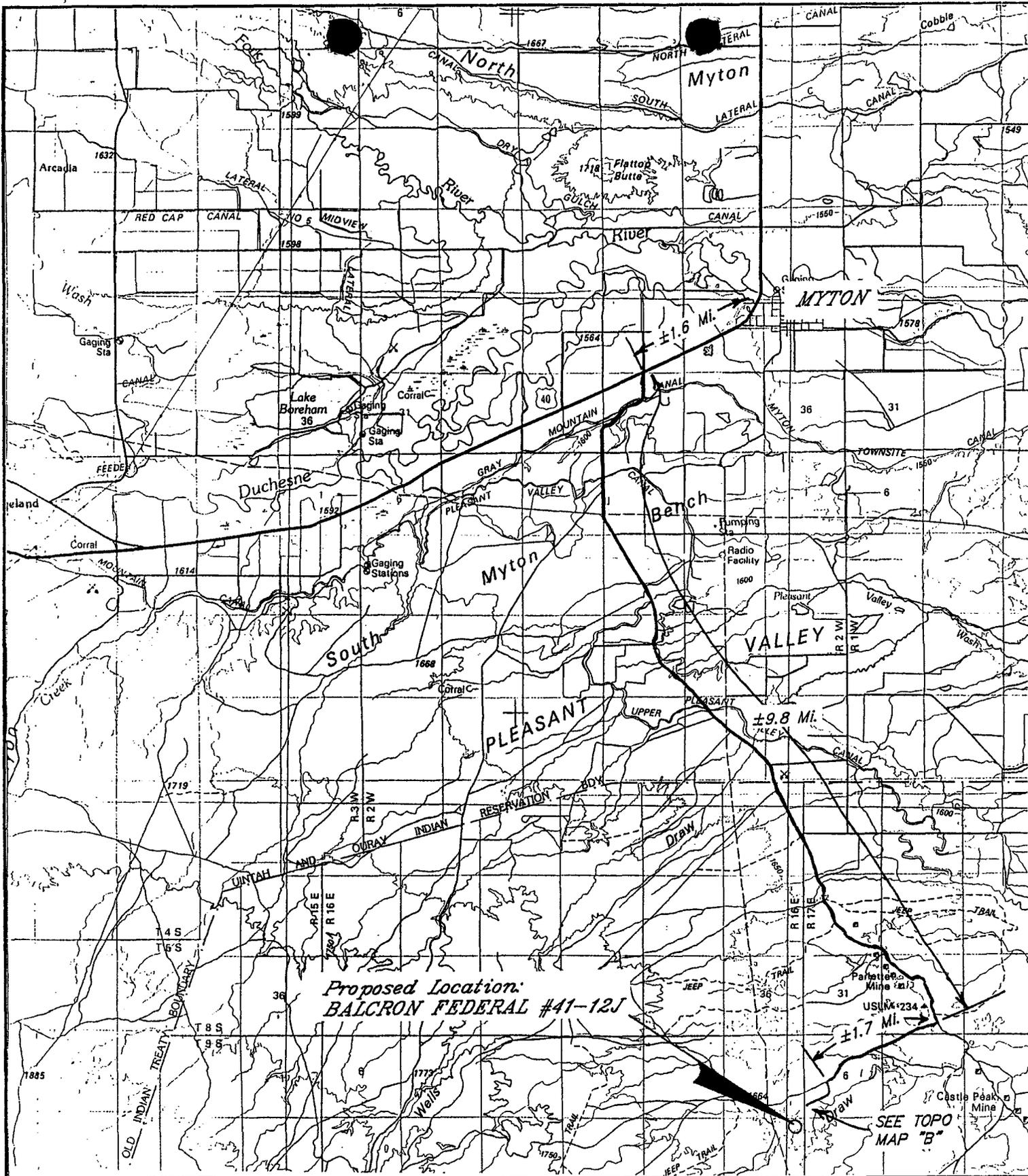


IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 12-19-94  
 (This space for Federal or State office use)

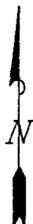
PERMIT NO. 43-013-31487 APPROVAL DATE \_\_\_\_\_ APPROVED BY THE STATE  
J. Matthews TITLE Petroleum Engineer OF UTAH DIVISION OF OIL, GAS, AND MINING  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

\*See Instructions On Reverse Side WELL SPACING: \_\_\_\_\_

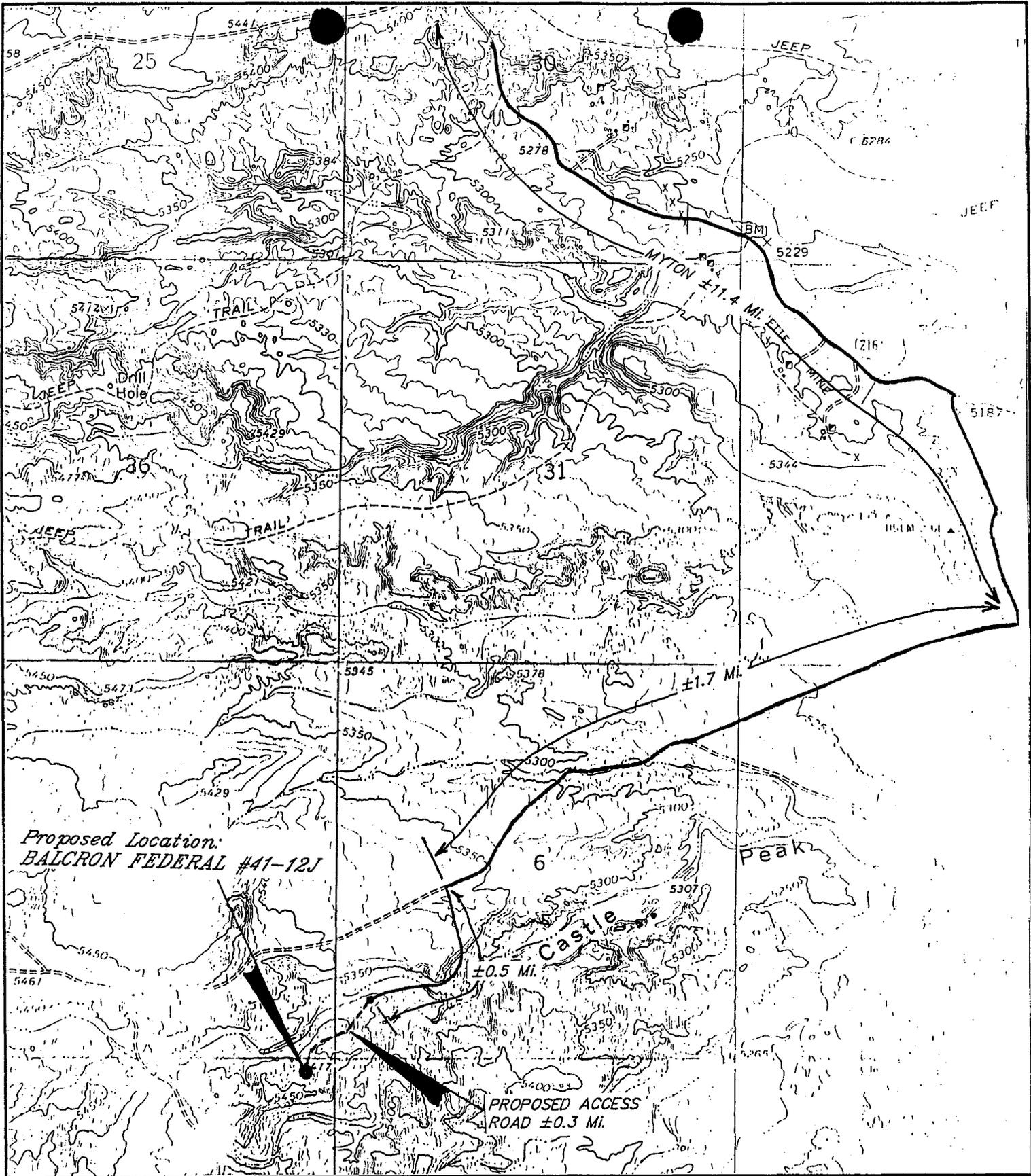


**EQUITABLE RESOURCES CO.**

BALCRON FEDERAL #41-12J  
 SECTION 12, T9S, R16E, S.L.B.&M.  
 TOPO "A"



**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501  
 38 WEST 100 NORTH CANAL, UTAH 84078



**EQUITABLE RESOURCES CO.**

BALCRON FEDERAL #41-12J  
 SECTION 12, T9S, R16E, S.L.B.&M.  
 TOPO "B"

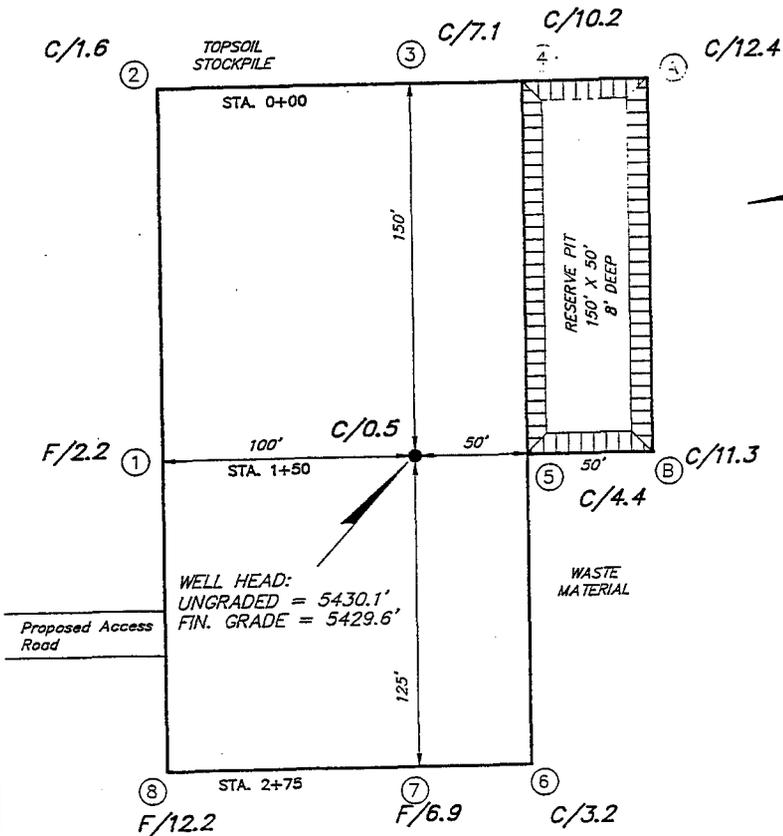


SCALE: 1" = 2000'

**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078

# EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5430.1'  
FIN. GRADE = 5429.6'



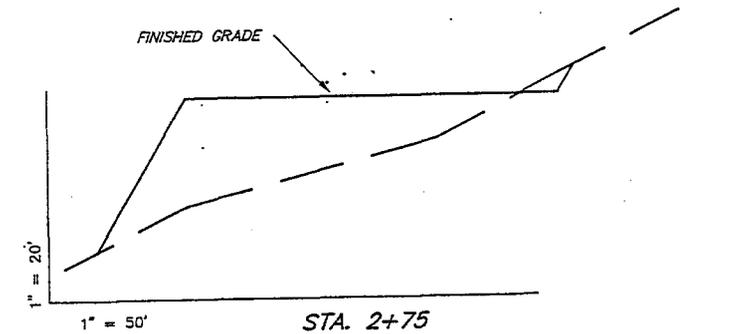
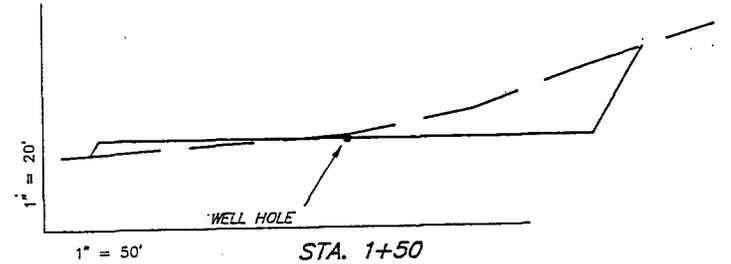
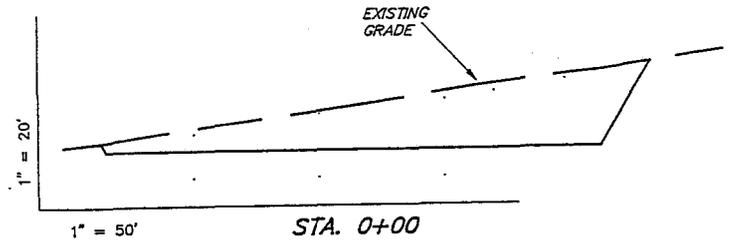
SCALE: 1" = 50'

### REFERENCE POINTS

150' NORTH 5424.9'  
200' NORTH 5420.1'  
175' EAST 5446.4'  
225' EAST 5450.3'

### APPROXIMATE YARDAGES

CUT = 6527 Cu. Yds.  
FILL = 4526 Cu. Yds.  
PIT = 2,710 Cu. Yds.  
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. J.S.

DRAWN BY: S.S.

DATE: 3-1-95

SCALE: 1" = 50'

FILE: 41-12J ALT

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

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

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, BALCRON MONUMENT FEDERAL #41-12J, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

N89°58'W (G.L.O.) Basis of Bearings  
2633.16' - Measured

WELL LOCATION:  
BALCRON MONUMENT  
FEDERAL #41-12J

ELEV. UNGRADED GROUND = 5457.6'

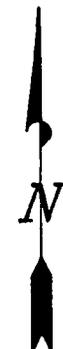
395'  
476'

S0°02'E - 2642.82' (Meas.)

N0°01'W (G.L.O.)

12

N89°56'W - 80.00 (G.L.O.)



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.

GENE STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 144102  
STATE OF UTAH



= SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. DATED 1909  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: S.S. J.S.
DATE: 11-8-94	WEATHER: COLD
NOTES:	FILE #41-12J

EXHIBIT "K"

Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah  
395' FNL, 476' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-44426  
PTD: 5,750' (Green River formation)  
GL: 5457.6'

Balcron Monument Federal #42-12J  
SE NE Section 12, T9S, R16E  
Duchesne County, Utah  
2550' FNL, 391' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-035521  
PTD: 5,700' (Green River formation)  
GL: 5474.4'

Balcron Monument Federal #12-14J  
SW NW Section 14, T9S, R16E  
Duchesne County, Utah  
2004' FNL, 658' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5605.2'

Balcron Monument Federal #22-14J  
SE NW Section 14, T9S, R16E  
Duchesne County, Utah  
2134' FNL, 2198' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5594.3'

Balcron Monument Federal #32-14J  
SW NE Section 14, T9S, R16E  
Duchesne County, Utah  
1980' FNL, 1980' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5572'

Balcron Monument Federal #42-14J  
SE NE Section 14, T9S, R16E  
Duchesne County, Utah  
1882' FNL, 773' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096550  
PTD: 5,650' (Green River formation)  
GL: 5604.9'

Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah  
681' FNL, 447' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-44426  
PTD: 5,700' (Green River formation)  
GL: 5343.2'

Balcron Monument Federal #12-7J  
SW NW Section 7, T9S, R17E  
Duchesne County, Utah  
1965' FNL, 620' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-44426  
PTD: 5,600' (Green River formation)  
GL: 5338.2'

**NOTE: This location has already been built. It was formerly the Alta #7E location, built but not drilled.**

## EXHIBITS

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

11/2/94

# **CONFIDENTIAL**

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

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

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Jonah Unit  
Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.

- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

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

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Jonah Unit  
Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for approximately 9.8 miles to an intersection with the Monument Butte Gas Plant/Jonah Unit road. Turn right and continue 2.5 miles to road intersection. Turn left and proceed 0.4 miles to existing #31-12 well. Follow flags 0.4 mile to location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "F" Maps A & B

- a. Length: Approximately 0.4 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: < 8%
- d. Turnouts: None
- e. Drainage design: Low water crossing if necessary.
- f. No culverts or bridges are necessary.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.

- i. All travel will be confined to location and access routes.
- j. All access roads and surface disturbing activities will 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 shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. This shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. If necessary prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Road drainage crossings will be of the typical dry creek draining crossing type. Crossings, if necessary, will be designed so they will not cause siltation or 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 will not be done during muddy conditions. Should mud holes develop, they will be filled in and detours around them will be avoided.

- k. If a right-of-way is needed for access, please consider this Application for Permit to Drill as the application for right-of-way.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.
- c. See EXHIBIT "J" for the Proposed Production Facility Diagram.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields.
- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".

- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
  - c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
  - d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
  - e. The reserve pit will be located on the South side of the location.
  - f. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.
  - g. Stockpiled topsoil (first 6 inches) will be stored on the West side between corners 7 and 8.
  - h. Access to the wellpad will be from the West between corners 6 and 7.
  - i. All pits will be fenced according to the following minimum standards:
    - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
    - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.
    - c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16'.
    - d. All wire will be stretched before it is attached to the corner posts.
- The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.
- j. The reserve pit will be constructed long and narrow for topographic reasons.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all trash will be removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

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

12. OTHER INFORMATION:

- a. An Archeology Survey will be provided as soon as it is completed.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil division will suspend operations in the vicinity of the discovery and immediately report the finding to the BLM District Office.
- c. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- d. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.

e. If needed, instructions regarding a silt catchment dam being constructed will be provided for in the Conditions of Approval.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division  
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, Operations Manager      Home: (406) 248-3864  
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor      Mobile: (801) 828-7291  
Home: (801) 781-1018

14. CERTIFICATION:

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

December 19, 1994  
Date

Bobbie Schuman  
Bobbie Schuman  
Regulatory and Environmental  
Specialist  
Equitable Resources Energy  
Company, Balcron Oil Division

/rs





BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed.41-12J
Project ID:	Location: Duchesne/Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2054 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	5,750	5-1/2"	15.50	K-55	ST&C	5,750	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2629	4040	1.537	2629	4810	1.83	89.13	222	2.49 J

Prepared by : McCoskery, Billings, MT  
 Date : 12-16-1994  
 Remarks :

Minimum segment length for the 5,750 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and  
 2,629 psi, respectively.

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

EXHIBIT E

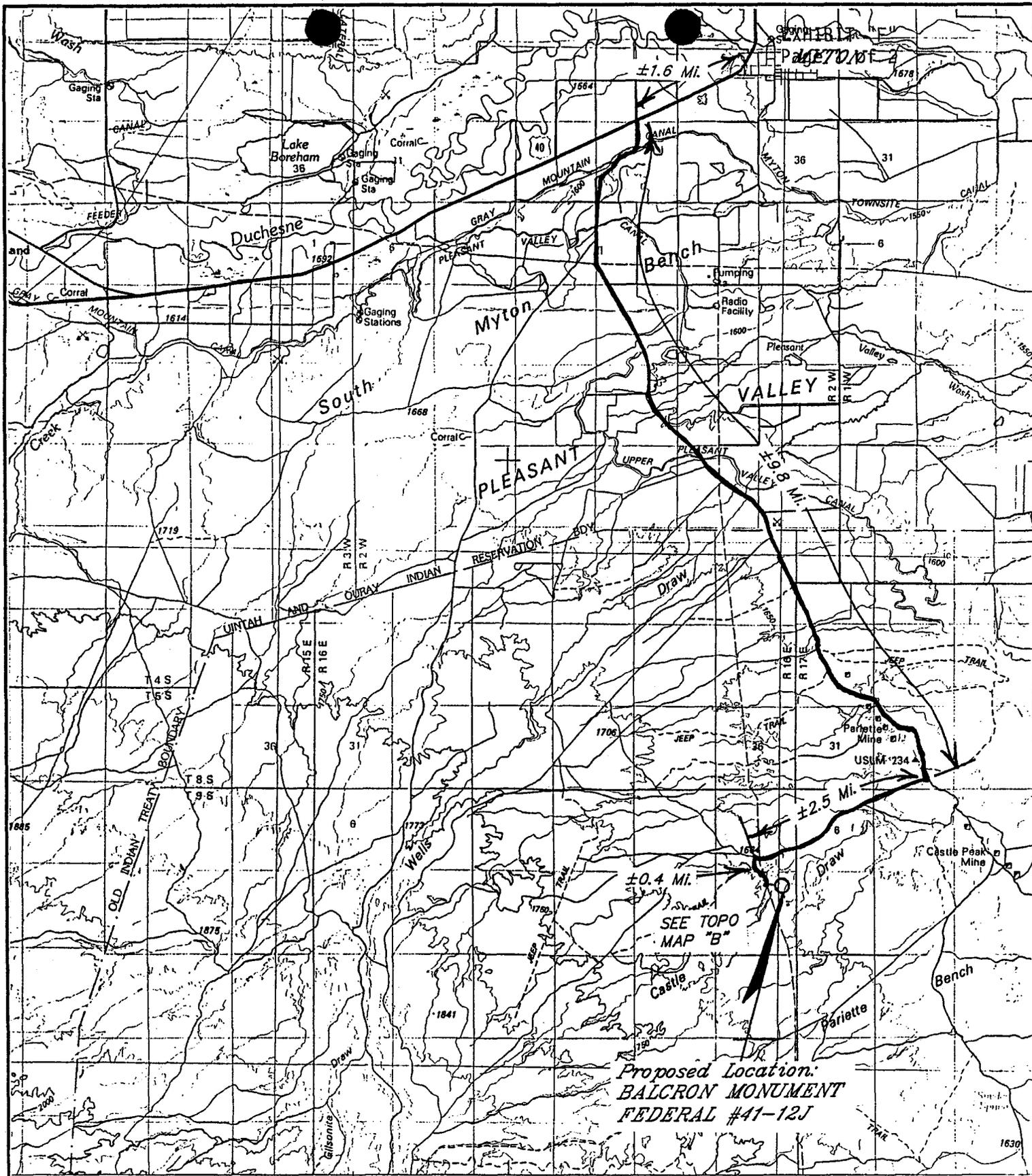
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

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

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

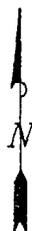
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93  
Revised 12/7/93  
/rs



**EQUITABLE RESOURCES CO.**

BALCRON MONUMENT FEDERAL #41-12J  
 SECTION 12, T9S, R16E, S.L.B.&M.  
 TOPO "A"

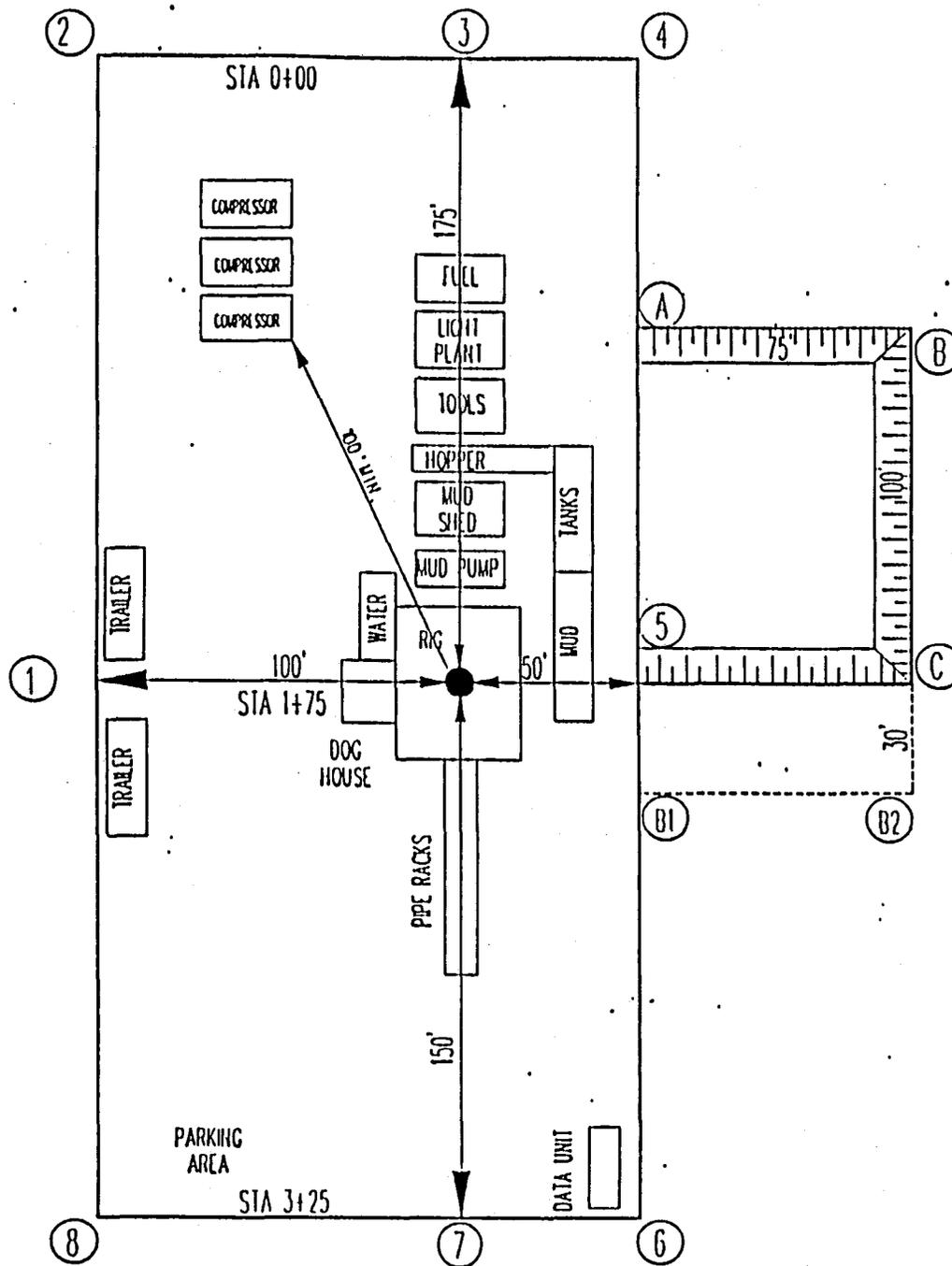


**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



UNION DRILLING RIG #17

Hex Kelly

ROTATING HEAD

ADJ. CHOKE

AIR BOWL

7" FLOWLINE

#3000  
BLIND RAM-PIPE RAM

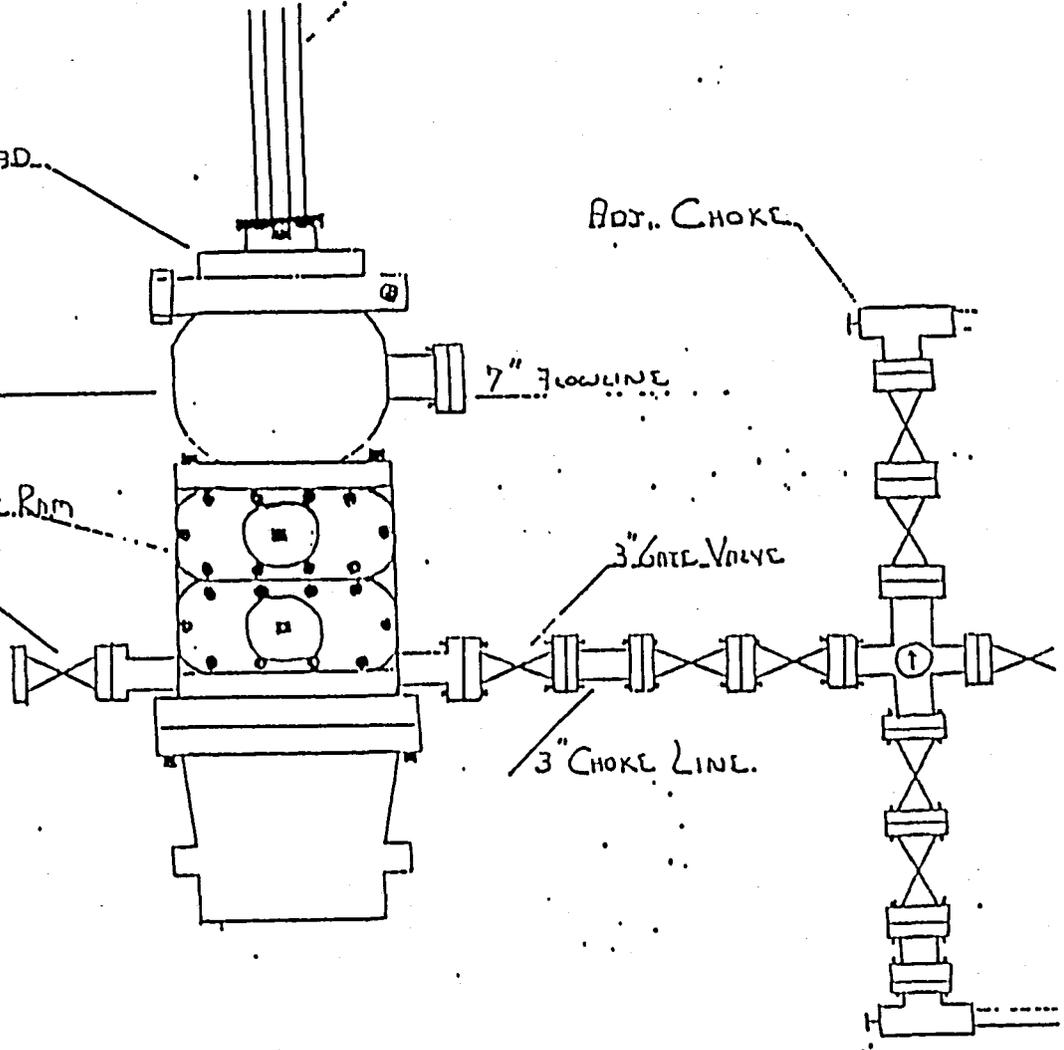
3" GATE VALVE

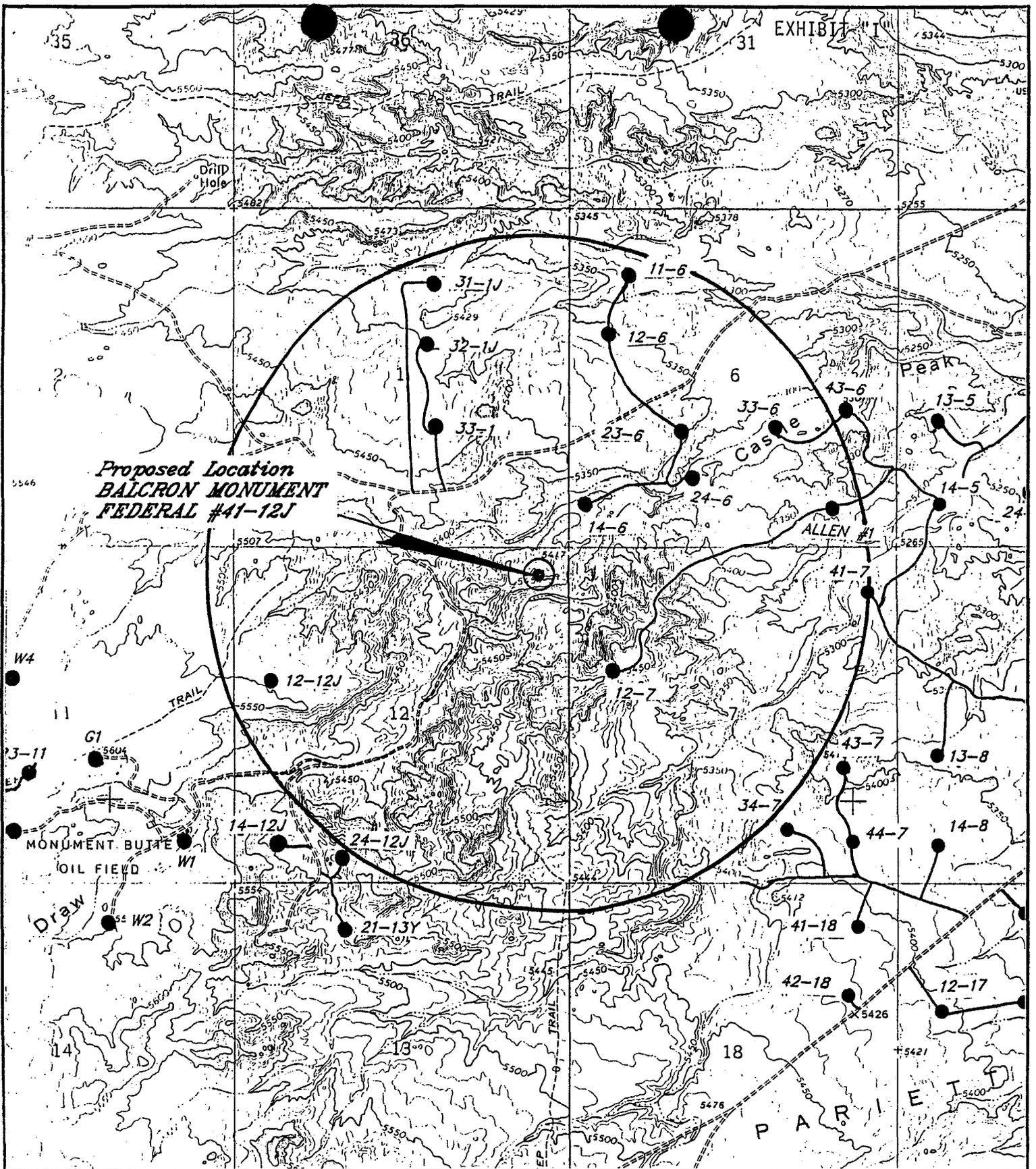
3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

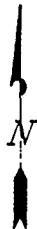
#3000 STACK





***EQUITABLE RESOURCES ENERGY CO.***

BALCRON MONUMENT FEDERAL #41-12J  
 SECTION 12, T9S, R16E, S.L.B.&M.  
 TOPO "C"



***Tri State***  
*Land Surveying, Inc.*  
 (801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

SCALE: 1" = 2000'

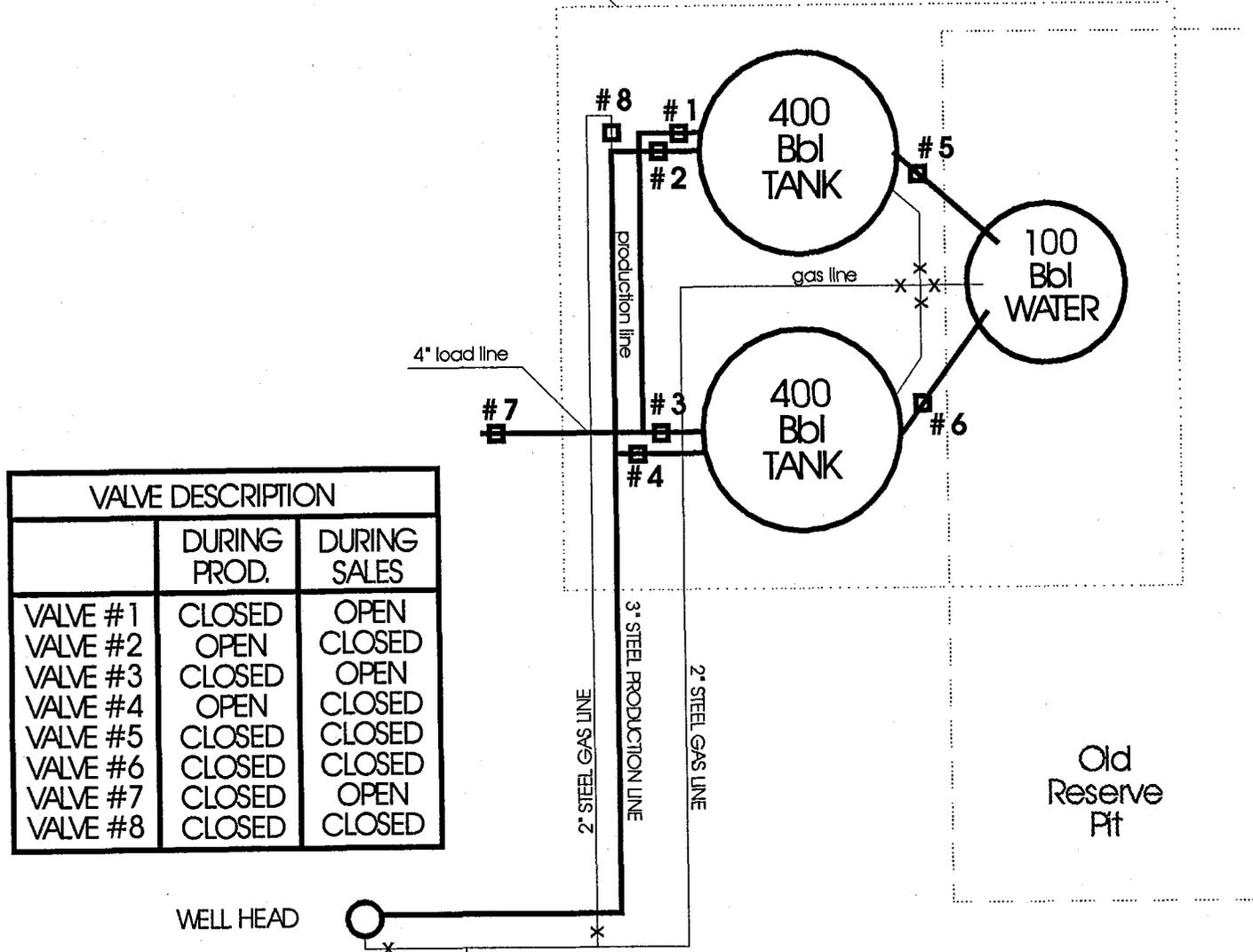
Equitable Resources Energy Company  
 Balcron Monument Federal 41-12J  
 Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 41-12J  
 NE NE Sec. 12, T9S, R16E  
 Duchesne County, Utah  
 Federal Lease #U-44426  
 395' FNL, 476' FEL



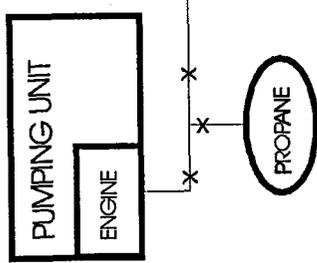
DIKE



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

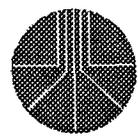
Old Reserve Pit

WELL HEAD



ACCESS ROAD

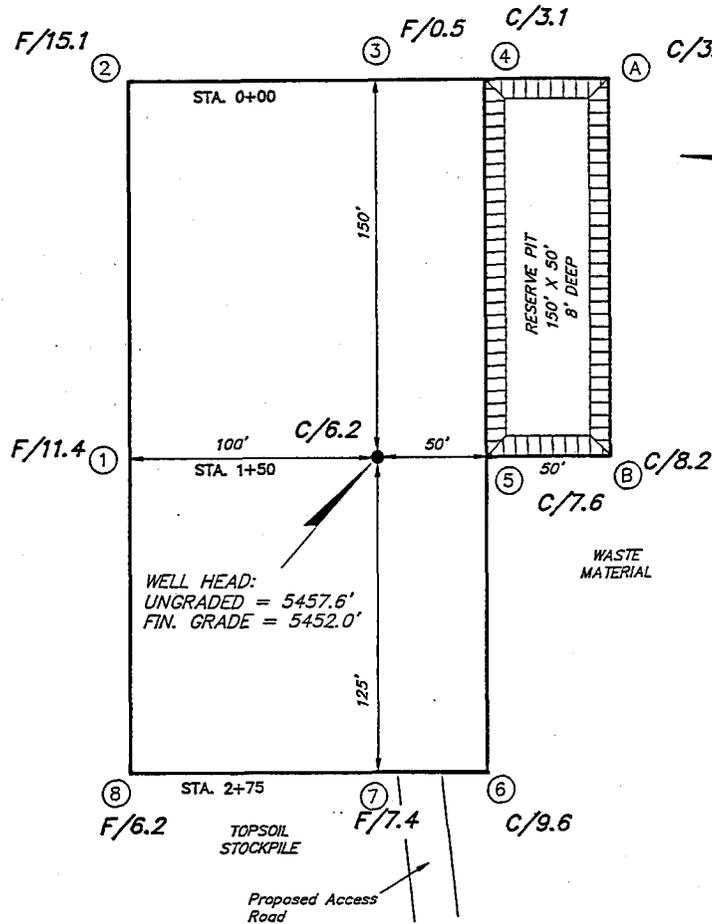
DIAGRAM NOT TO SCALE



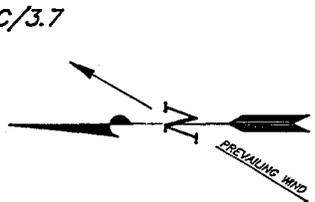
**EQUITABLE RESOURCES ENERGY COMPANY**  
 BALCRON OIL DIVISION  
 1601 Lewis Avenue  
 P.O. Box 21017  
 Billings, MT 59104-1017  
 (406) 259-7860

**EQUITABLE RESOURCES ENERGY CO.**

**BALCRON MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.**



WELL HEAD:  
UNGRADED = 5457.6'  
FIN. GRADE = 5452.0'

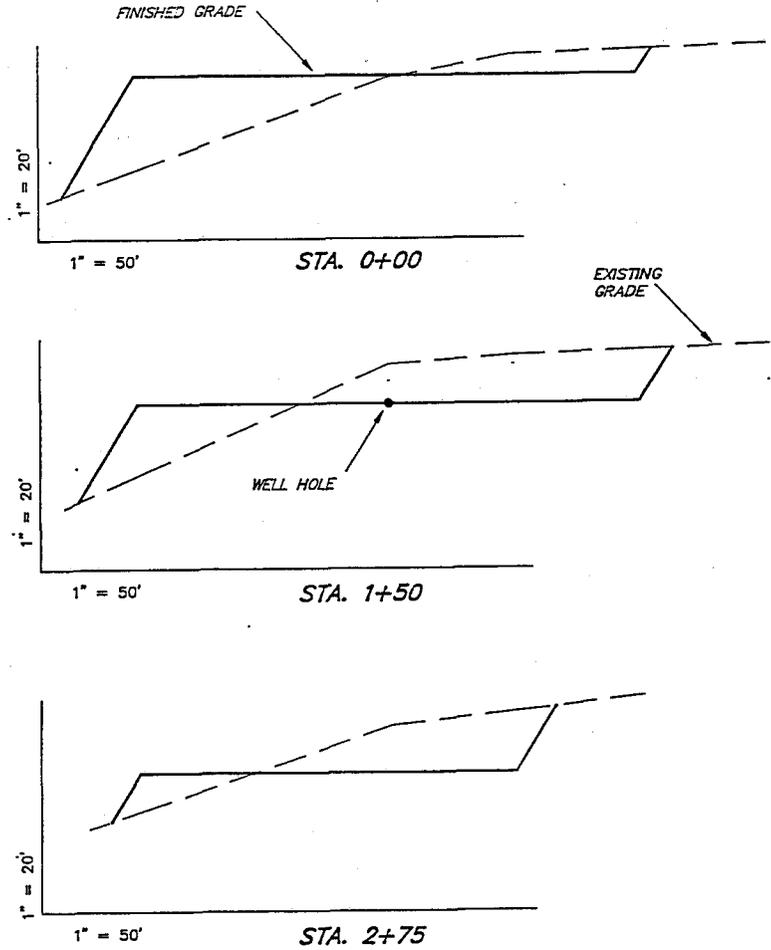


SCALE: 1" = 50'

**REFERENCE POINTS**  
150' NORTHEAST 5469.86'  
190' NORTHEAST 5471.54'

**APPROXIMATE YARDAGES**

CUT = 6020 Cu. Yds.  
FILL = 5998 Cu. Yds.  
PIT = 2,710 Cu. Yds.  
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. J.S.
DRAWN BY: R.E.H.
DATE: 11-8-94
SCALE: 1" = 50'
FILE: 41-12J

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

EXHIBIT "L"

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/20/94

API NO. ASSIGNED: 43-013-31487

WELL NAME: BALCRON MONUMENT FED 41-12J  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
NENE 12 - T09S - R16E  
SURFACE: 0395-FNL-0476-FEL  
BOTTOM: 0395-FNL-0476-FEL  
DUCHESNE COUNTY <sup>709 437</sup>  
MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
LEASE NUMBER: U-44426

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat  
 Bond: Federal  State  Fee   
 (Number 5547188)  
 Potash (Y/N)  
 Oil shale (Y/N)  
 Water permit  
 (Number PRIVATE WELL)  
 RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

R649-2-3. Unit: UTU72086A  
 R649-3-2. General.  
 R649-3-3. Exception.  
 Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 8-28-96

T 8 S

T 9 S

ABLE RESOURCES ENERGY  
ON MONUMENT BUTTE  
H UNIT WATERFLOOD  
ESNE COUNTY T9S, R 16 & 17 E

41-12J

• 11-7J

42-12J

• 12-7J

• 12-14J

• 22-14J

• 32-14J

• 42-14J

R 16 E

R 17 E

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

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

Well Name: MONUMENT FEDERAL #41-12J API Number: 43-013-31487

Section: 12 Township: 9S Range: 16E County: DUCHESNE Field: MON BUTTE

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

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

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

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

Heater Treater(s): (1)

**PUMPS:**

Triplex:      Chemical:      Centrifugal: (1)

**LIFT METHOD:**

Pumpjack: YES Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter: NO Sales Meter: NO

**TANKS:**

NUMBER

SIZE

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

Water Tank(s):           BBLs

Power Water Tank:           BBLs

Condensate Tank(s):           BBLs

Propane Tank: (1)

**Central Battery Location: (IF APPLICABLE)**

Qtr/Qtr:      Section:      Township:      Range:     

REMARKS: CENTRIFUGAL IS FOR HEAT TRACE SYSTEM. GLYCOL IS HEATED BY ENGINE  
MUFFLER. NO GAS LINES OR METERS AT PRESENT TIME. NO WATER TANK YET.

Inspector: DENNIS L. INGRAM Date: 8/15/95

# EQUITABLE RESOURCES ENERGY

BALCRON Mon. FED. # 41-12J

NE/NE Sec. 12; T95; R16E

POW

U-44426

8/15/95

D. Ingram

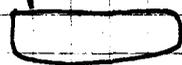
↑ North West

ENTER  
HERE

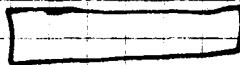
Reserve

Pit

Propane



treater

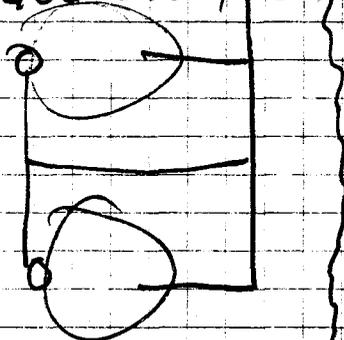


WELL HEAD



Pump  
Jack

2-400 oil w/ Burners



Berm AREA

BALCRON OIL

43-013-31487

Balcron Monument Federal #41-12J

NE NE Section 12, T9S, R16E, SLB&M

Duchesne County, Utah

**CONFIDENTIAL**

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

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

DECEMBER 29, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #41-12J, NE, NE,  
Section 12, T9S, R16E, SLB&R, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography-

This well location is approximately 10 miles south of Myton, Utah. It is located on a ridge about 1/8 mile south of Castle Peak Draw. The proposed access road leaves an existing location and runs east along the north side of the ridge, then southeast up a small draw to a saddle on the ridge. It then travels east along the south side to the ridge top and wellpad. The ridge is composed of interbedded layers mudstone and sandstone. The ridge is capped in places with a rusty colored sandy limestone present as a cap stone at other places in the area. The lighter colored sandstone lenses are ancient stream channels. The mudstones are possibly delta or mudflat deposits. The sandy limestone is likely lake sediments.

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

Paleontological material found -

No vertebrate fossils were found on the proposed road or wellpad.

Recommendations-

No recommendations are made for this location.

Alden H. Humble

Date December 29, 1994



ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of ten proposed well locations and access routes (Balcron Monument Federal wells #42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 34-25, 43-26 and 14-26). These evaluated locations are situated on federally administered lands located in the Monument Buttes and Pleasant Valley localities of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 135.15 acres, of which 100 acres are associated with the well pads and an additional 35.15 acres are associated with access road rights-of-way. One additional well included in this report, (Monument Federal 12-7J) was previously inventoried in a forty acre intensive zone (inventory #013-163, Vernal BLM). The well pad and access road for that location have already been constructed. These evaluations were conducted by F.R. Hauck and Glade Hadden of AERC on December 15 and 20, 1994.

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

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

Two isolated artifacts were noted during the investigations. An isolated Rose Spring style projectile point (Isolate 1461G/X1, see Figure 1) was recovered from the disturbance zone of well # 43-26 (see Map 3). A non-diagnostic biface chopping tool was discovered but not collected near the well pad for well # 42-12J. This tool is similar in appearance to others found in the area (Hauck and Hadden 1994d).

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

**CULTURAL RESOURCE EVALUATION  
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES  
IN THE MONUMENT BUTTES AND  
PLEASANT VALLEY LOCALITIES  
OF DUCHESNE & UINTAH COUNTIES, UTAH**

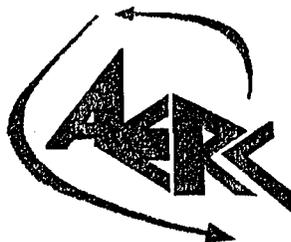
**Report Prepared for Balcron Oil Company**

**Dept. of Interior Permit No.: UT-94-54937  
AERC Project 1461 (BLCR-94-11)**

**Utah State Project No.: UT-94-AF-775b**

**Principal Investigator  
F. Richard Hauck, Ph.D.**

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



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

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

**December 30, 1994**

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## GENERAL INFORMATION

On December 15 and 20, 1994, AERC archaeologists F.R. Hauck and Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved ten proposed well locations and associated access roads (Balcron Monument Federal Units 42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 14-26, 34-25, 43-26 and 14-26), and an additional well (Balcron Monument Federal 12-7J which has been constructed and previously inventoried in a forty acre intensive survey zone (inventory 013-163, Vernal BLM). The project area is in the Monument Buttes and Pleasant Valley localities south east of Myton, Utah (see Map 1). Some 135.15 acres were examined which include 100 acres associated with the well pads and some 35.15 acres associated with the access routes, all of which are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

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 and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Monument Buttes locality of Duchesne County, and the Pleasant Valley locality of Uintah County. All of the evaluated wells and access routes are situated on the Myton SE and Pariette Draw SW 7.5 minute topographic quads (see Maps).

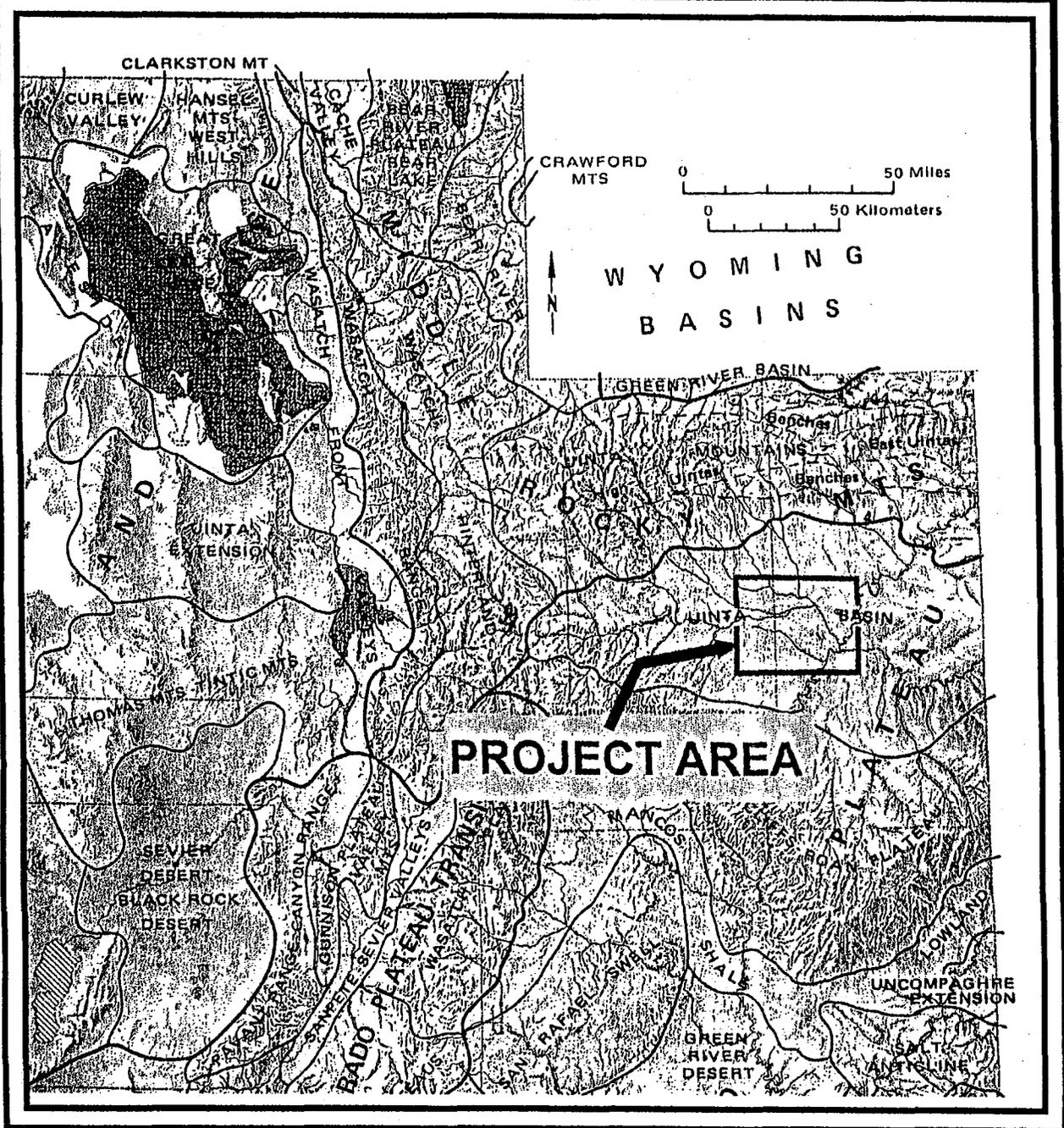
Balcron Monument Federal #11-7J is situated in the NW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #12-7J is situated in the SW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM (see Map 2).

Balcron Monument Federal #41-12J is situated in the NE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.4 miles of access route (see Map 2).

**MAP 1: GENERAL BALCRON PROJECT  
LOCALITY IN DUCHESNE AND UINTAH  
COUNTIES OF NORTHWESTERN UTAH**

**PROJECT: BLCR-94 - 11**  
**SCALE: see below**  
**QUAD: UG & MS Map 43**  
**DATE: 12-30-94**



**UTAH**

**T. multiple**

**R. multiple**

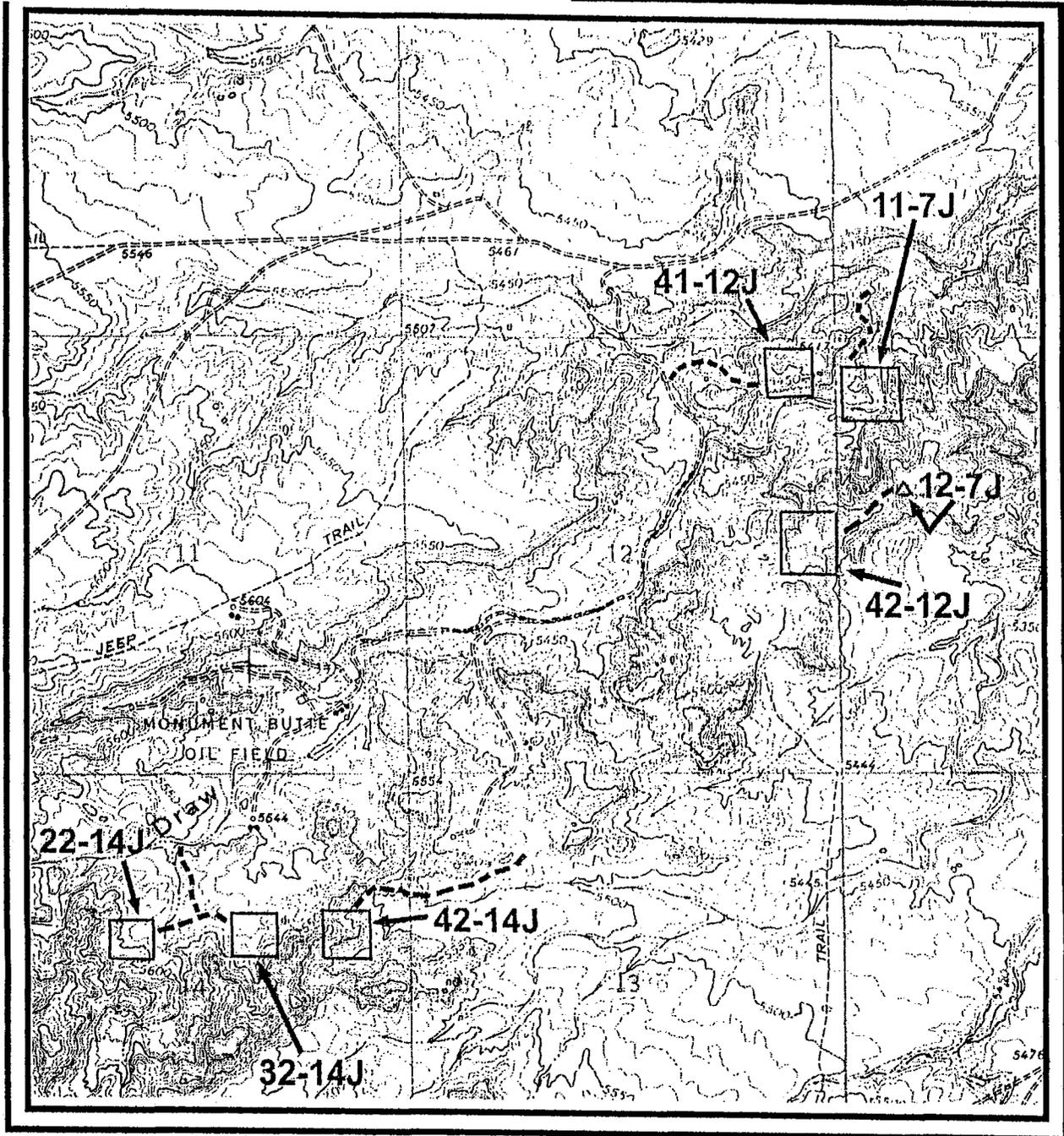
**Meridian: Salt Lake B & M**

**(After PHYSIOGRAPHIC SUBDIVISIONS  
OF UTAH by W.L. Stokes)**

**MAP 2: CULTURAL RESOURCE SURVEY  
 OF BALCRON UNITS 11-7J, 12-7J,  
 22-14J, 32-14J, 41-12J, 42-12J, and  
 42-14J IN THE  
 MONUMENT BUTTES LOCALITY OF  
 DUCHESNE COUNTY, UTAH**



**PROJECT: BLCR - 94 - 11**  
**SCALE: 1: 24,000**  
**QUAD: Myton SE, Utah**  
**DATE: 12 - 30 - 94**

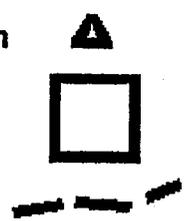


**LEGEND:**



**T. 9 South**  
**R. 16 East**  
**Meridian: Salt Lake B & M**

**Existing Well Location**  
**Survey Plot**  
**Access Route**

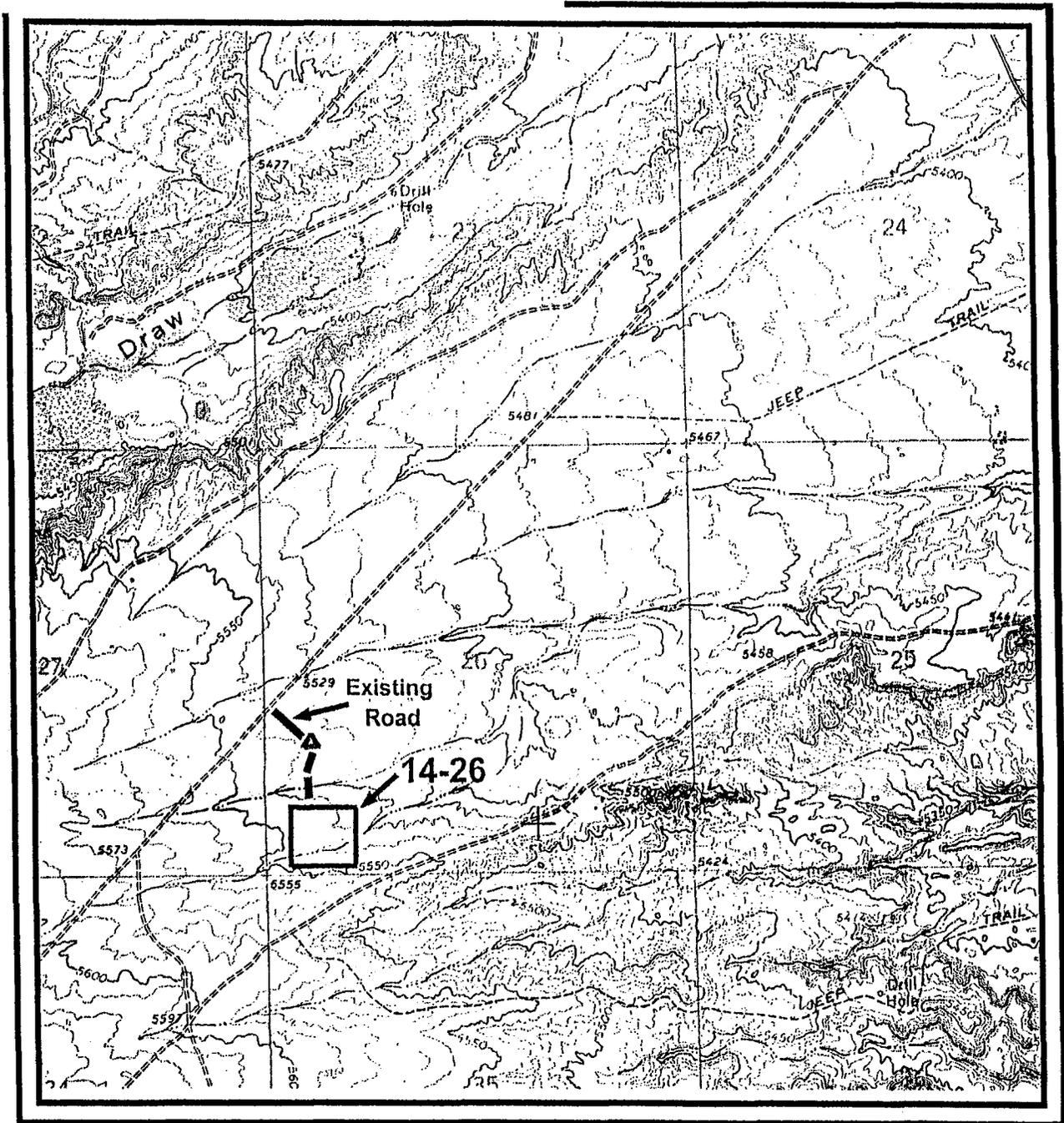




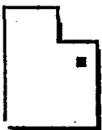
**MAP 4: CULTURAL RESOURCE SURVEY  
OF BALCRON UNIT 14-26 IN THE  
MONUMENT BUTTES LOCALITY OF  
DUCHESNE COUNTY, UTAH**



**PROJECT: BLCR-94 - 11**  
**SCALE: 1:24,000**  
**QUAD: Myton SE, Utah**  
**DATE: 12 - 30 - 94**



**LEGEND:**



**UTAH**

**T. 8 South**

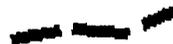
**R. 16 East**

**Meridian: Salt Lake B & M**

**Existing Well Location**

**Survey Plot**

**Access Route**



Balcron Monument Federal #42-12J is situated in the SE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #22-14J is situated in the SE quarter of the NW quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.1 miles of access route (see Map 2).

Balcron Monument Federal #32-14J is situated in the SW quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. .03 miles of access route (see Map 2).

Balcron Monument Federal #42-14J is situated in the SE quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.6 miles of access route (see Map 2).

Balcron Monument Federal #24-25 is situated in the SE quarter of the SW quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.1 miles of access route (see Map 3).

Balcron Monument Federal #34-25 is situated in the SW quarter of the SE quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.4 miles of access route (see Map 3).

Balcron Monument Federal #43-26 is situated in the NE quarter of the SE quarter of Section 26, Township 8 South, Range 17 East SLBM, together with ca. 0.2 miles of access route (see Map 3).

Balcron Monument Federal #14-26 is situated in the SW quarter of the SW quarter of Section 26, Township 8 South, Range 16 East SLBM, together with ca. 0.2 miles of access route (see Map 4).

#### Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

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

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

## PREVIOUS RESEARCH IN THE LOCALITY

### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on December 19, 1994. A similar search was conducted in the Vernal District Office of the BLM on December 15, 1994. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw/ Eight Mile Flat/ Pariette Draw localities. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989).

### Prehistory and History of the Cultural Region

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

### Site Potential in the Project Development Zone

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

horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. Access routes are evaluated by the archaeologists walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 35.15 acres) was examined for the various proposed access roads, in addition to the 100 acres inventoried on the well pads.

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.

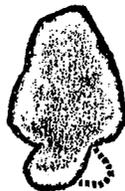
In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

### Results of the Inventory

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

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

One diagnostic isolated artifact was collected during the evaluation. Isolate 1461G/x1 is a Rose Spring style projectile point (see Figure 1) collected from the disturbance zone of well # 43-26 (see Map 3). A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus. A single non-diagnostic tool was noted in the area of well 42-12J. This tool was a simple chopper constructed by bifacially removing several flakes from one end of a hand-sized cobble. The occurrence of this tool fits a previously noted pattern (Hauck and Hadden 1994d), and may be related to the ambush hunting and subsequent butchering of large game animals, possibly during the Archaic period. A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus.



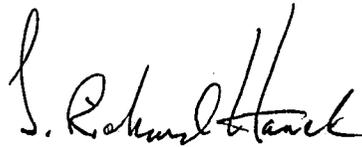
**FIGURE 1**  
**Isolate 1461G/x1**  
**(Actual Size)**

## CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

1. 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;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



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

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- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
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- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

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

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil

Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.

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1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.

1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.

1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eightmile Flat Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.

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BALCRON OIL  
Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E, SLB&M  
Duchesne County, Utah

PALEONTOLOGY REPORT  
SECOND WELLPAD LOCATION AND ACCESS ROAD

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

MARCH 4, 1995

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #41-12J, (SECOND LOCATION AND ROAD) NE, NE, Section 12, T9S, R16E, SLB&R, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography-

This well location is approximately 10 miles south of Myton, Utah. It is located on a ridge about 1/8 mile south of Castle Peak Draw. The proposed new access road follows the same route as the proposed access road to #11-7J and then branches off to the west to the new location for #41-12J. The new location sits on a small terrace on the north side of the ridge. The ridge is composed of interbedded layers mudstone and sandstone and is capped in places with a rusty colored sandy limestone. Lighter colored sandstone lenses are ancient stream channels. The mudstones are possibly delta or mudflat deposits. The sandy limestone is likely lake sediments.

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

Paleontological material found -

The first part of the new access road had been surveyed earlier with the survey for #11-7J. Only the new portion of the road was surveyed. The new wellpad location was also surveyed.

No vertebrate fossils were found on the proposed road or wellpad.

Recommendations-

No recommendations are made for this location.

Allen H. Hamblin Date March 5, 1995

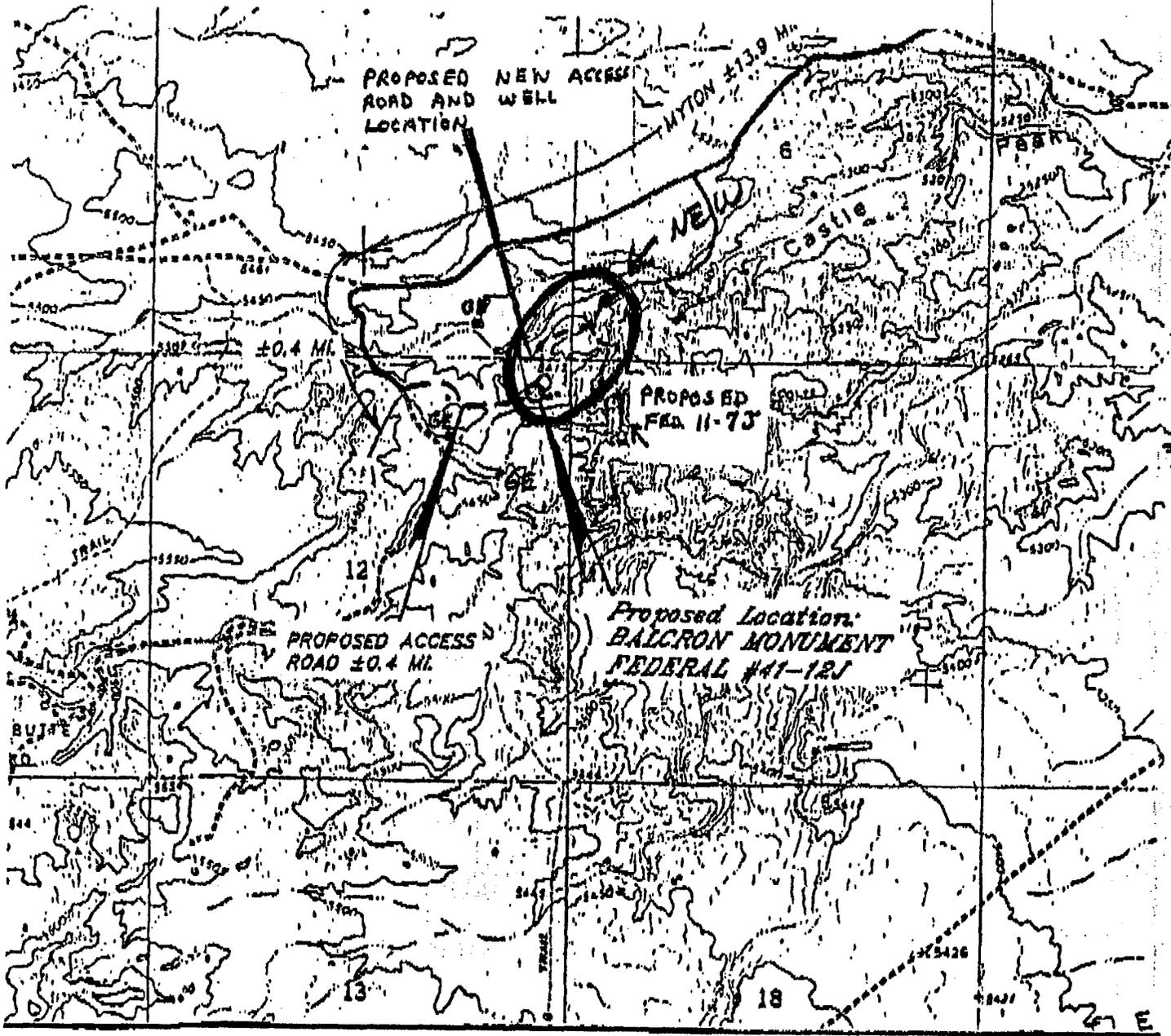
Based on the field inspections, adoption of the COA's, UDWR and Mariah Assoc. Inc surveys, and review of existing District files, it is my opinion that a no affect situation exists. Therefore, the proposed action as shown on the attached map, would be cleared from a special status animal species perspective.

Tom Dabbs

Tom Dabbs, Wildlife Biologist  
Bureau of Land Management  
Diamond Mountain Resource Area

2-6-95

Date



EQUITABLE RESOURCES CO.

MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.  
TOPO "B"

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501

**CULTURAL RESOURCE EVALUATION  
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES  
IN THE MONUMENT BUTTES LOCALITY  
OF DUCHESNE COUNTY, UTAH**

**Report Prepared for Balcron Oil Company**

**Dept. of Interior Permit No.: UT-95-54937  
AERC Project 1465 & 1471 (BLCR-95-1 & 2)**

**Utah State Project No.: UT-95-AF-065b**

**Principal Investigator  
F. Richard Hauck, Ph.D.**

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



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

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

**March 6, 1995**

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of two proposed well locations and three access routes (Balcron Monument Federal Units 42-14J and 12-14J and a new access into Unit 41-12J). These evaluated locations are situated on federally administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 32 acres, of which 20 acres are associated with the two ten acre well locations and an additional 12 acres are associated with three access road rights-of-way. These evaluations were conducted by Glade Hadden of AERC on March 2, 1995.

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

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

No isolated artifacts were noted during the investigation.

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

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## GENERAL INFORMATION

On March 2, 1995, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved two proposed well locations and their associated access roads (Balcron Monument Federal Units 12-14J and 42-14J), and an additional newly flagged access route into Balcron Monument Federal 41-12J. The project area is in the Monument Buttes locality south east of Myton, Utah (see Map 1). Some 32 acres were examined which include 20 acres associated with the two 10 acre well pads and some 12 acres associated with the three access routes, all of which are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

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 and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Monument Buttes locality of Duchesne County. All of the evaluated wells and access routes are situated on the Myton SE 7.5 minute topographic quad (see Map 2).

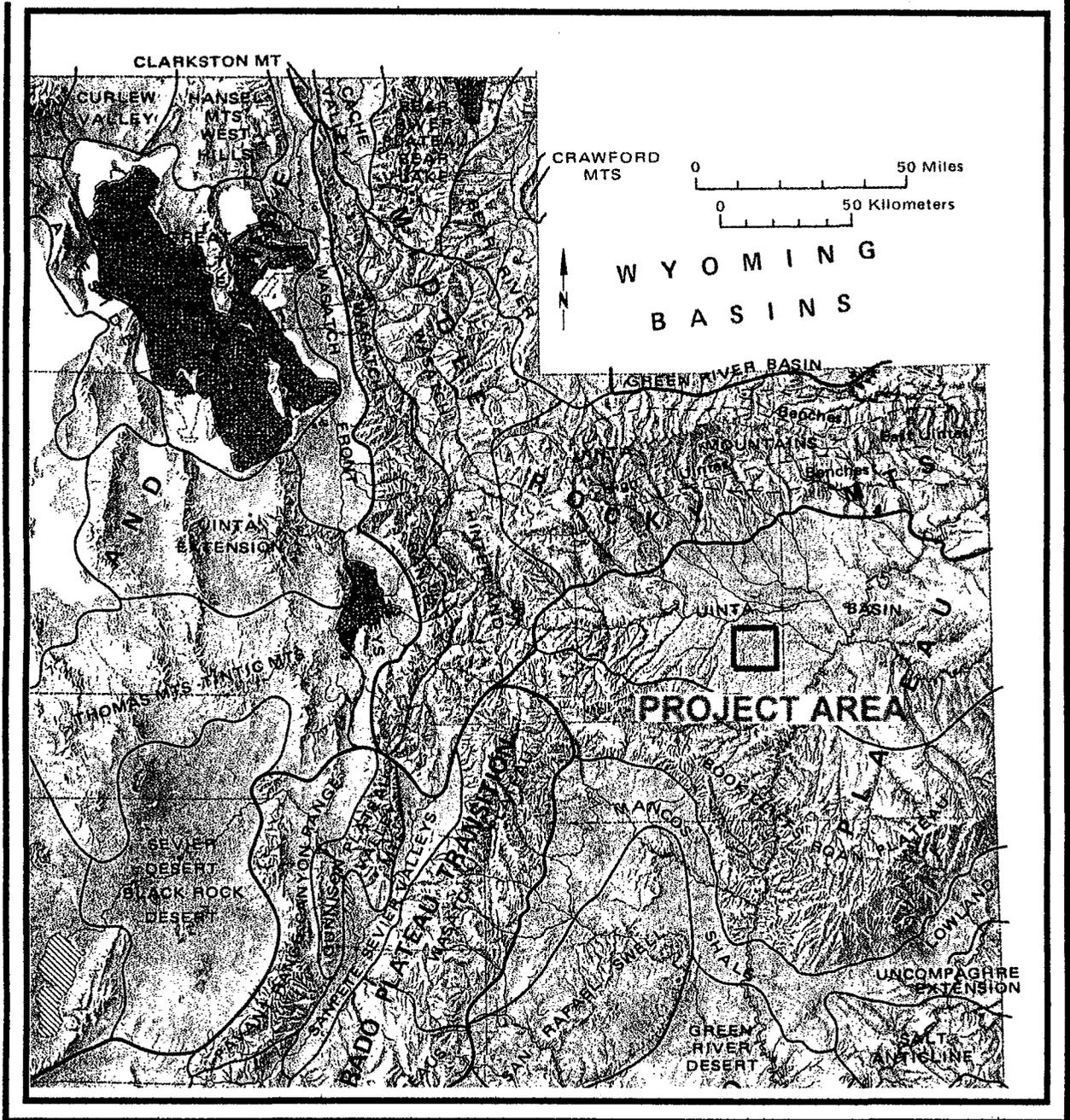
Balcron Monument Federal 12-14J is situated in the SW quarter of the NW quarter of Section 14 Township 9 South, Range 16 East SLBM, together with ca. .20 miles of access route (see Map 2).

Balcron Monument Federal 42-14J is situated in the SE quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM (see Map 2). The ten acre survey plot extends to the east into adjacent Section 13. Its .10 mile-long access route originates in the NW quarter of Section 13 in association with a previously evaluated access corridor into the original location for Unit 42-14J (Hauck and Hadden 1994e).

The .20 mile-long newly evaluated access route into Balcron Monument Federal Unit 41-12J is situated in the NE quarter of the NE quarter of Section 12 and in the SE of the SE

**MAP 1: GENERAL PROJECT  
LOCALITY IN DUCHESNE COUNTY,  
UTAH**

**PROJECT: BLCR - 95 - 1 & 2**  
**SCALE: see below**  
**QUAD: UG & MS Map 43**  
**DATE: 3 - 6 - 95**



**UTAH**

**T. multiple**

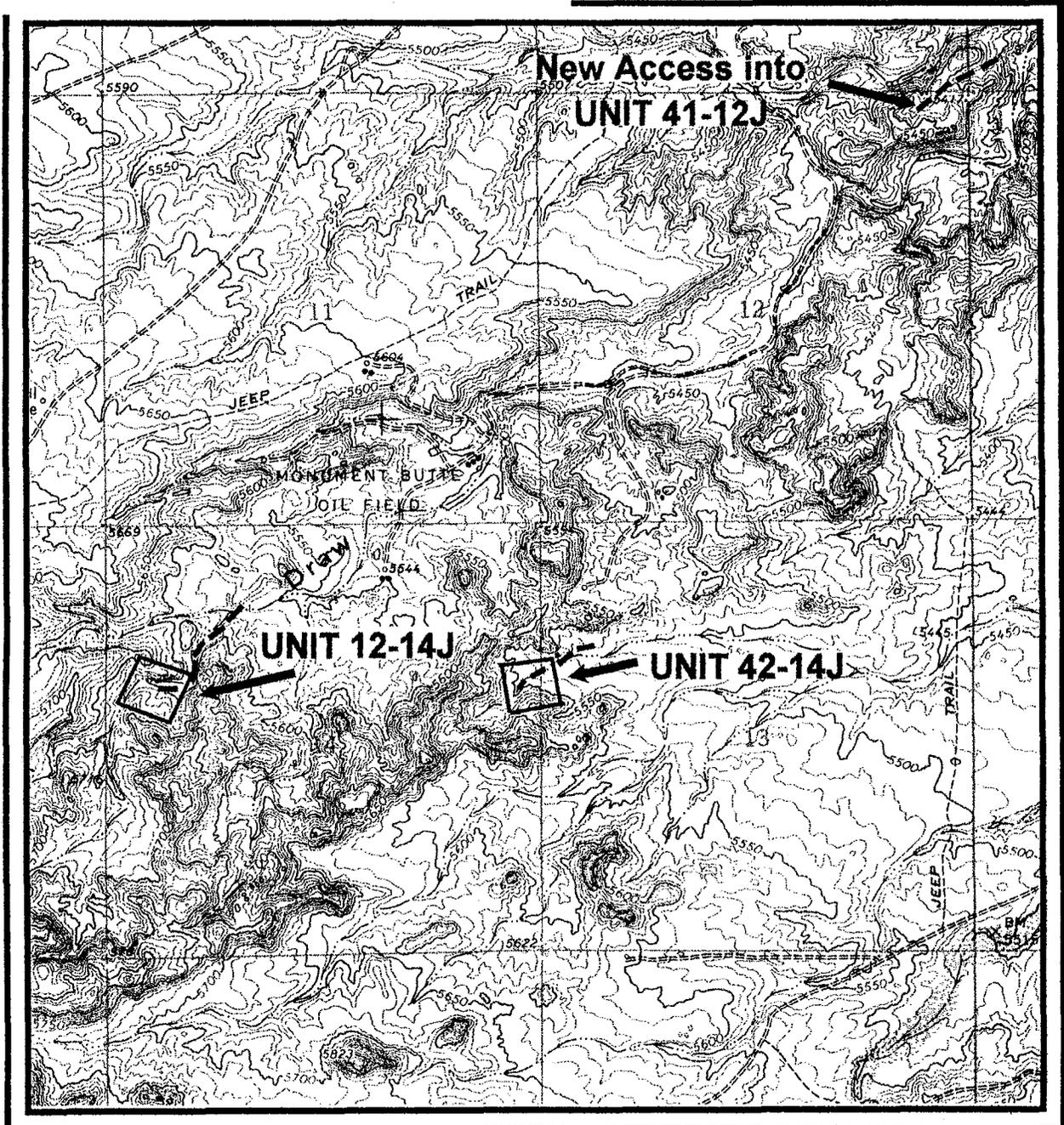
**R. multiple**

**Meridian: Salt Lake B & M**

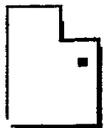
**(After PHYSIOGRAPHIC SUBDIVISIONS  
OF UTAH by W.L. Stokes)**

**MAP 2: CULTURAL RESOURCE SURVEY  
 OF PROPOSED BALCRON UNITS 12-14J,  
 42-14J & NEW ACCESS INTO 41-12J IN  
 THE CASTLE PEAK DRAW  
 LOCALITY OF DUCHESNE COUNTY, UTAH**

**PROJECT: BLCR - 95 - 1 & 2  
 SCALE: 1:24,000  
 QUAD: Myton SE, Utah  
 DATE: 3 - 6 - 95**



**LEGEND:**



**UTAH**

**T. 9 South**

**R. 16 & 17 East**

**Meridian: Salt Lake B & M**

**Ten Acre Survey Area**

**Access Route**



quarter of Section 1, Township 9 South, Range 16 East, and also in the SW of the SW quarter of adjacent Section 6, Township 9 South, Range 17 East SLBM (see Map 2). This location and its original access were originally evaluated by AERC in December 1994 (Hauck and Hadden 1994e).

### Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

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

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

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on February 23, 1995. A similar search was conducted in the Vernal District Office of the BLM on March 2, 1995. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes/Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989).

#### Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late

Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### Site Potential in the Project Development Zone

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

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. Access routes are evaluated by the archaeologist walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 12 acres) was examined for the various proposed access roads, in addition to the 20 acres inventoried in association with the two well locations.

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

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

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

No diagnostic isolated artifact were observed or collected during the evaluation.

## CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

1. 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;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



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

## REFERENCES

Fike, Richard E. and H. Blaine Phillips II

- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, ( Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade V Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil

Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eightmile Flat Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Norman, V. Garth

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

Hauck, F. Richard and Dennis Weder

1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archeological-Environmental Research Corporation, Bountiful.

Stokes, W. L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake.



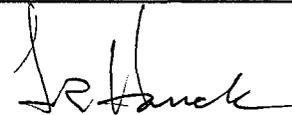
1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing roadways and/or evaluated corridor.

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

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

---

17. Signature of Administrator & Field Supervisor  
Administrator:



UT 8100-3 (2/85)

Field  
Supervisor:



EQUITABLE RESOURCES  
ENERGY COMPANY

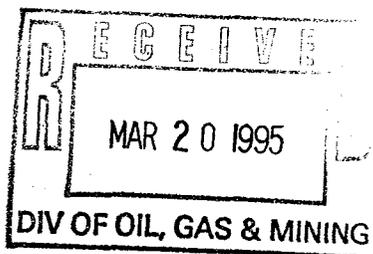
BALCRON OIL DIVISION

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361



March 17, 1995

**CONFIDENTIAL**

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

Gentlemen:

*43-013-31487  
Sec 12 T95, R 16E*

Enclosed are copies of the archeological report for the surveys that were done on the Balcron Monument Federal #12-14J, Balcron Monument Federal #42-14J, and Balcron Monument Federal #41-12J.

Also enclosed are copies of the paleontological report for the Balcron Monument Federal #42-14J and Balcron Monument Federal #41-12J as well as a copy of the paleontologist's letter regarding the new access to the Balcron Monument Federal #31-14Y.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas, and Mining

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 22 1995

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

OIL, GAS & MINING

5. Lease Designation and Serial No.  
4426

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation  
Jonah Unit

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
Balcron Monument Fed. #41-12J

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

9. API Well No.  
43-013-31487

3. Address and Telephone No.  
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE NE Section 12, T9S, R16E  
209' FNL, 437' FEL

11. County or Parish, State  
Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>change in location</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 a survey plat, topo maps, and cut and fill diagram for this well. The location was changed at the request of the Vernal District Bureau of Land Management due to the proximity of an eagle nest. Please consider this to be part of our Application for Permit to Drill.

ORIGINAL: Bureau of Land Management, Vernal District  
COPY: Utah Division of Oil, Gas and Mining

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date March 20, 1994

(This space for Federal or State office use)

Approved by [Signature] Title Petroleum Engineer Date 4/14/95

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.

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

N89°58'W (G.L.O.) Basis of Bearings  
2633.16' - Measured

**WELL LOCATION:**  
**BALCRON MONUMENT**  
**FEDERAL #41-12J**  
ELEV. UNGRADED GROUND = 5430.1'



S0°02'E - 2642.82' (Meas.)

NORTH (G.L.O.)

12

WEST (G.L.O.)



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

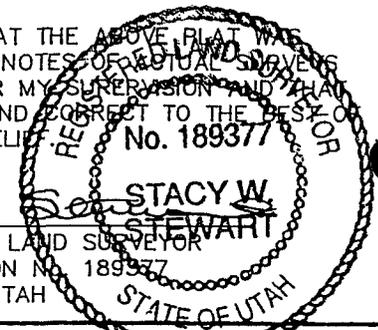
***EQUITABLE RESOURCES ENERGY CO.***

WELL LOCATION, BALCRON MONUMENT FEDERAL #41-12J, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

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



**TRI STATE LAND SURVEYING & CONSULTING**

38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: S.S. G.S.

DATE: 3-1-95

WEATHER: COLD

NOTES: ALT LOC

FILE #42-12J



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 14, 1995

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102

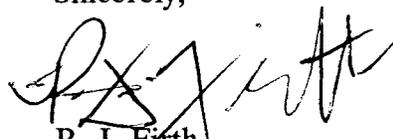
Re: Balcron Monument Federal #41-12J Well, 209' FNL, 437' FEL, NE NE, Sec. 12,  
T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31487.

Sincerely,



R. J. Firth  
Associate Director

ldc

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WAPD



Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal #41-12J

API Number: 43-013-31487

Lease: Federal U-44426

Location: NE NE Sec. 12 T. 9 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

5. LEASE DESIGNATION AND SERIAL NO.  
U-44426

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

7. UNIT AGREEMENT NAME  
Jonah Unit

8. FARM OR LEASE NAME  
Balcron Monument Federal

9. WELL NO.  
#41-12J

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

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 12, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
Equitable Resources Energy Company, Balcron Oil 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  
NE NE Section 12, T9S, R16E 395' FNL, 476' FEL  
At proposed prod. zone

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

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

19. PROPOSED DEPTH  
5,750'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 5457.6'

22. APPROX. DATE WORK WILL START\*  
3/1/95

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

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

**RECEIVED**  
JUN 01 1995  
DIV. OF OIL, GAS & MINING

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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 12-19-94  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE MAY 30 1995

NOTICE OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

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

Div O&G&M

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAR 22 1995

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.

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

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

NE NE Section 12, T9S, R16E  
209' FNL, 437' FEL

5. Lease Designation and Serial No.

U-44426

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #41-12J

9. API Well No.

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

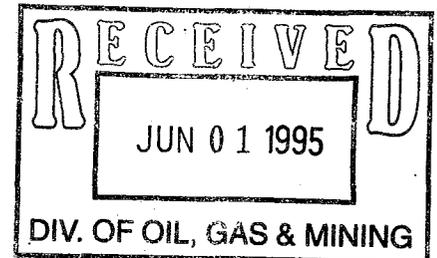
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>change in location</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 a survey plat, topo maps, and cut and fill diagram for this well. The location was changed at the request of the Vernal District Bureau of Land Management due to the proximity of an eagle nest. Please consider this to be part of our Application for Permit to Drill.

ORIGINAL: Bureau of Land Management, Vernal District  
COPY: Utah Division of Oil, Gas and Mining



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

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date March 20, 1994

(This space for Federal or State Office Use)

Approved by [Signature]  
Conditions of approval, if any:

Title Acting Area Manager

Date 5/26/95

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

MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

- A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
- B. Dam layout and location shall be with surveying instruments by qualified personnel.

II. Borrow Areas

- A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
- B. Vegetation, debris, and topsoil shall be removed to a depth of 12" 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 as directed.
- D. Vegetation, debris and topsoil moved below the dam shall be contoured, smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
- E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.

III. Core Trench and Dam Foundation

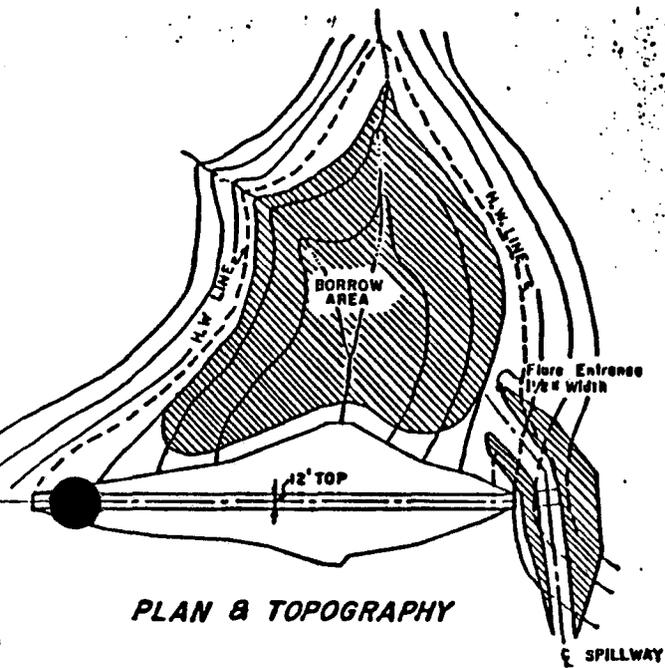
- A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
- B. Sides of the core trench shall not be steeper than 1:1 slopes.
- C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.

IV. Dam and Core Fill

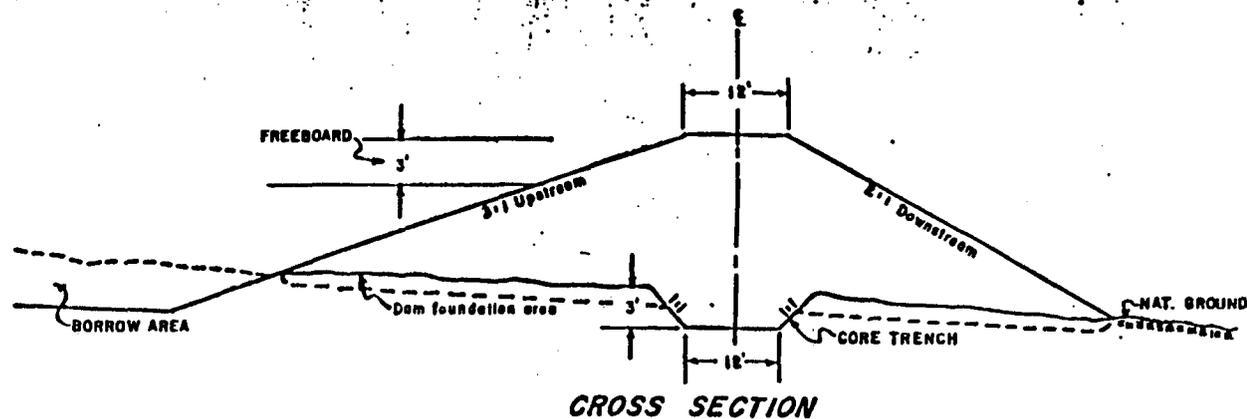
- A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
- B. Lifts of fill shall not exceed 6" when compacted.
- C. Fill shall be built up at a consistent rate the full length of the dam.
- D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
- E. Fill shall be smoothed, maintaining specified slopes.

V. Spillway

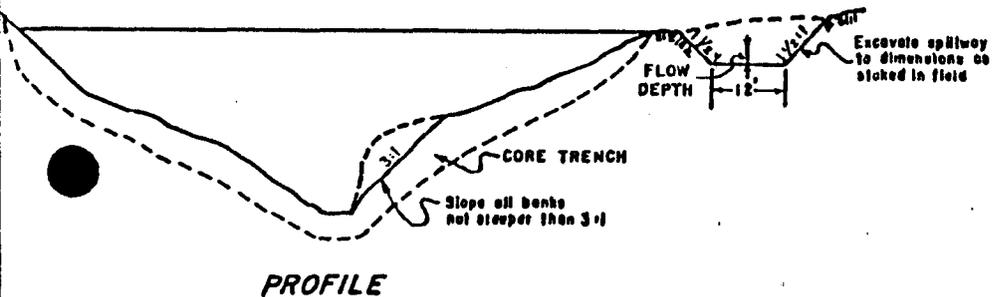
- A. Spillway shall be constructed through natural material.
- B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
- C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.



PLAN & TOPOGRAPHY



CROSS SECTION



PROFILE

**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. BLM-PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILLWAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.

U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ <small>CHIEF, DIV. OF ENG.</small>
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**ALWAYS THINK SAFETY** GPO 530-170

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 41-12J

API Number: 43-013-31487

Lease Number: U-44426

Location: NENE Sec. 12 T. 9S R. 16E

**NOTIFICATION REQUIREMENTS**

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

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

3. Casing Program and Auxiliary Equipment

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

The surface casing will need to be cemented with neat cement.

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  $\pm 822$  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  $\pm 622$  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 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) 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 3162.7-5 (b. 4).

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

7. Other Information

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

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

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

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation 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:

Wayne P. Bankert      (801) 789-4170  
Petroleum Engineer

Ed Forsman            (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

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

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

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

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

Planned Access Road

The operator must follow the access approach as described in the revised plan of the Sundry Notice received in the BLM office March 22, 1995. This plan of access is a revision of the original proposal with the APD and is a change in the description for the existing roads and planned access roads as described in the Surface Use Program.

Wellsite Layout

The operator must follow the plan of development as described in the revised plan in the Sundry Notice received in the BLM office March 22, 1995. This plan of development is a revision of the original proposal with the APD and is a change in the description for the location site layout as described in the Surface Use Program.

The **required** plastic reinforced liner to line the reserve pit will be a minimum of 12 mil thickness with sufficient bedding to cover any rocks to prevent puncturing. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold in place. No trash, scrap pipe, etc..., that could puncture the liner will be disposed of in the pit.

Plans for Reclamation of Location

At time of abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area, the stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the Authorized Officer of the BLM.

Other Information

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 including installation of the pit liner.

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

To reduce soil erosion due to the development of this location a silt catchment basin will be constructed. Construct the basin in the NWNE Section 12, T9S, R16E. The location is flagged in a drainage southwest of Equitable Resources Energy Company's Well No. Getty 12-1 in the same quarter quarter. Attached are **minimum standards for dams impounding under 10 acre feet.**

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON MONUMENT FEDERAL 41-12J

Api No. 43-013-31487

Section 12 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 6/23/95

Time \_\_\_\_\_

How ROTARY

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

Reported by ODALE WILLIAMS

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

Date: 6/29/95 Signed: JLT

6-29-95



**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

**CONFIDENTIAL**

**June 26, 1995**



**Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078-2799**

**Gentlemen:**

**RE: Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah**

*43-013-31487*

**This letter is notice that the subject well was spud on 6-23-95 at  
4:00 p.m.**

**Please feel free to contact me if you have any questions.**

**Sincerely,**

*Molly Conrad*

**Molly Conrad  
Operations Secretary**

**/mc**

**cc: State of Utah, Division of Oil, Gas & Mining - also enclosed is  
our Entity Action Form 6  
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX  
Bobbie Schuman  
Dawn Schindler  
Lou Ann Carlson**

OPERATOR Equitable Resources Energy Company  
Balcron Oil Division  
ADDRESS 1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

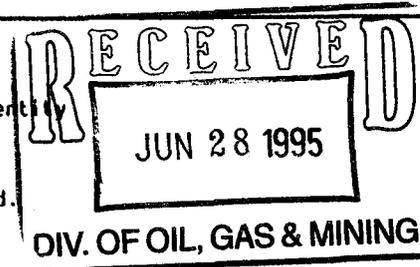
OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492	→	43-013-31487	Balcron Monument Federal #41-12J	NENE	12	9S	16E	Duchesne	6-23-95	6-23-95
WELL 1 COMMENTS: <i>Entity added 6-29-95. Jec</i>											
Spud of a new well, please add to current Jonah Unit Entity.											
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.



*Molly Conrad*  
Signature  
Operations Secretary 6-26-95  
Title Date  
Phone No. (406) 25907860



**EQUITABLE RESOURCES  
ENERGY COMPANY**

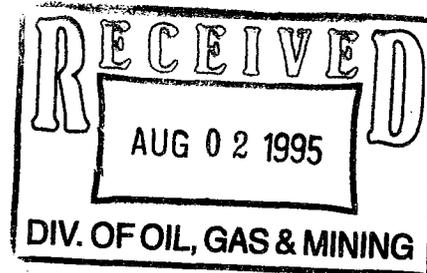
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

**CONFIDENTIAL**

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

July 31, 1995



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

**Gentlemen:**

**RE: Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah**

**This letter will serve as notice that first production on the subject well was on 7-28-95 at 11:50 p.m.**

**Please feel free to contact me if you need any additional information.**

**Sincerely,**

*Molly Conrad*

**Molly Conrad  
Operations Secretary**

**/mc**

**cc: State of Utah, Division of Oil, Gas, & Mining  
Lou Ann Carlson  
Bobbie Schuman**



# 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

### TELECOPIER TRANSMITTAL SHEET

Our telecopier number is: (406) 245-1361

DATE: 8-22-95  
TO: Heesha  
COMPANY: State of Utah  
FROM: Mary Conrad

Total Number 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: \_\_\_\_\_

SPECIAL INSTRUCTIONS: \_\_\_\_\_

I overlooked this. I apologize.

**NOTE: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL, AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUALS OR ENTITY NAMED 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.**

OPERATOR Equitable Resources Energy Company  
Balconron Oil Division

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

OPERATOR ACCT. NO. N 9890

P.2/2

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492	→	43-013-31486	Balconron Monument Fed. #42-12J	SE NE	12	96	16E	Duchesne	6-12-95	6-12-95
WELL 1 COMMENTS: Spud of a new well, please add to current Jonah Unit Entity. Entity added 8-29-95. <i>lee</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

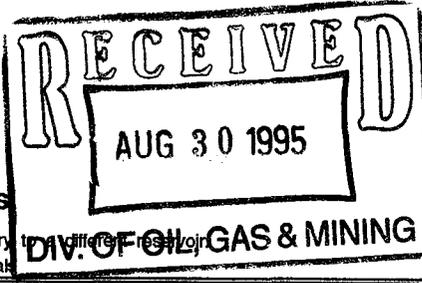
**ACTION CODES** (See instructions on back of form)

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

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

*Molly Conrad*  
Signature  
Operations Secretary 8-22-95  
Title Date  
Phone No. (406) 259-7860

1 406 245 1361  
AUG 22 '95 08:35AM BALCRON OIL DIV



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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: NE NE Section 12, T9S, R16E  
 TD: 395' FNL & 476' FEL

5. Lease Designation and Serial No.  
 U-44426

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

7. If Unit or CA, Agreement Designation  
 Jonah Unit

8. Well Name and No.  
 Balcron Monument Fed. #41-12J

9. API Well No.  
 43-013-31487

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

11. County or Parish, State  
 Duchesne County, Utah

**22. 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
	Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

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

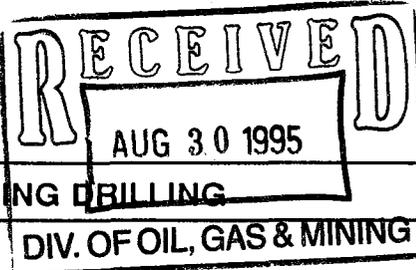
14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad Title Regulatory and Environmental Specialist Date 1-30-95  
 (This space for Federal or State office use)

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

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

**\*See Instruction on Reverse Side**



**REPORT OF WATER ENCOUNTERED DURING DRILLING**

1. Well name and number: Balcron Monument Federal #41-12J

API number: 43-013-31487

2. Well Location: QQ NE NE Section 12 Township 9S Range 16E County Duchesne

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

Address: 1601 Lewis Avenue

Billings, MT 59102

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

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

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

6. Formation tops: Please see back side of completion report.

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

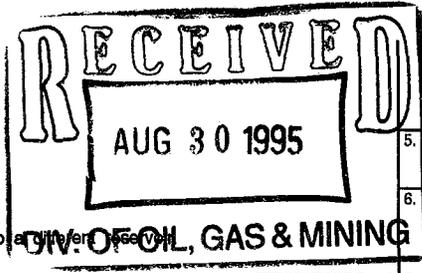
If an analysis has been made of the water encountered, please attach a copy of the report to this form.

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

Date: 8-25-95

Name & Signature: Molly Conrad, *Molly Conrad*

Title: Operations Secretary



FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993  
 5. Lease Designation and Serial No. U-44426  
 6. If Indian, Allottee or Tribe Name n/a

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a well. Use Form 3160-5  
 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.  
1601 Lewis Avenue; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: NE NE Section 12, T9S, R16E  
 TD: 209' FNL & 437' FEL

7. If Unit or CA, Agreement Designation  
Jonah Unit

8. Well Name and No.  
Balcron Monument Fed. #41-12J

9. API Well No.  
43-013-31487

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>Site Security Diagram</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Attached is the Site Security Diagram for this well.

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

Signed Molly Conrad Title Operator's Secretary Date 8-25-95

(This space for Federal or State Office use)

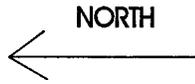
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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

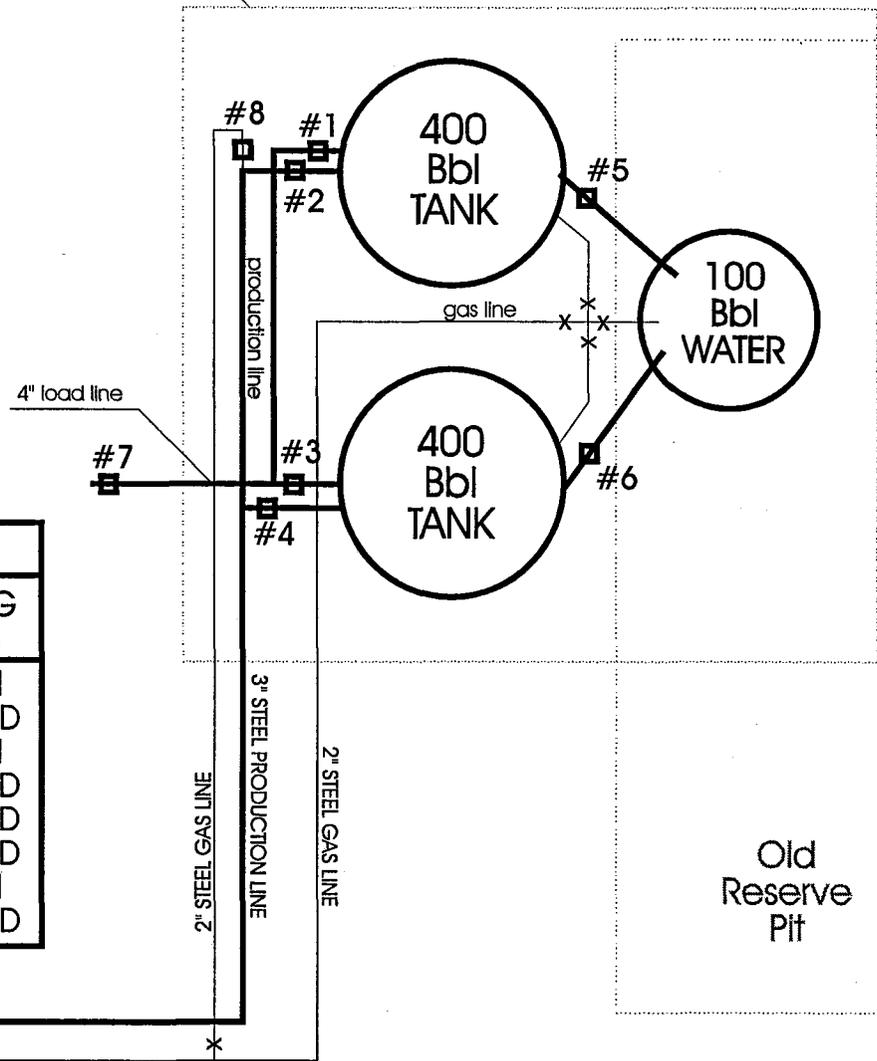
\*See instruction on Reverse Side

**Equitable Resources Energy Company**  
**Balcron Monument Federal 41-12J**  
**Production Facility Diagram**

Balcron Monument Federal 41-12J  
 NE NE Sec. 12, T9S, R16E  
 Duchesne County, Utah  
 Federal Lease #U-44426  
 395' FNL, 476' FEL

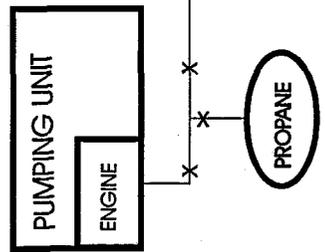


DIKE



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

WELL HEAD



ACCESS ROAD

Old Reserve Pit

DIAGRAM NOT TO SCALE

*8-25-95/mc.*



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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

RECEIVED  
AUG 30 1995  
DIV. OF OIL, GAS & MINING  
CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

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

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

3. ADDRESS OF OPERATOR  
1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 395' FINL & 476' FEL Change in Loc. Per BLM  
At top prod. interval reported below 437'  
At total depth

14. PERMIT NO. 43-013-31487 DATE ISSUED 4-14-95

5. LEASE DESIGNATION AND SERIAL NO. 44426

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

7. LEASE AGREEMENT NAME n/a

8. FARM OR LEASE NAME Balclron Monument Federal

9. WELL NO. #41-12J

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NE NE Section 12, 19S, R16E

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDDED 6-23-95 16. DATE T.D. REACHED 7-2-95 17. DATE COMPL. (Ready to prod.) 7-28-95 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5457.6' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5750' 21. PLUG BACK T.D., MD & TVD 5695' KB 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY SFC - ID ROTARY TOOLS SFC - ID CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4173' - 4896' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN 1-17-95 DLL/LDT/CNT/GR/CAL MUD LOG 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	274' KB	12-1/4"	160 sxs Class "G" w/additives	None
5-1/2"	15.5#	5748.82'	7-7/8"	500 sxs Super "G" w/additives	None
				325 sxs 50-50 FOZ w/additives	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4970.81' KB	n/a

31. PERFORATION RECORD (Interval, size and number)

4173' - 4186' (4 SPF)	
4188' - 4192' (4 SPF)	
4880' - 4884' (4 SPF)	
4886' - 4890' (4 SPF)	
4894' - 4896' (4 SPF)	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4880' - 4896'	2,226 gals 2% KCL wtr. Frac w/32,180# 16/30 mesh sand w/13,440 gals 2% KCL gelled wtr.
4173' - 4192'	2,898 gals 2% KCL wtr. Frac w/54,060# 16/30 mesh sand w/16,590 gals 2% KCL gelled wtr.

33.\* PRODUCTION

DATE FIRST PRODUCTION 7-28-95 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-2C-95	24	n/a	→	51.62	N.M.	6.66	N.M.

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	51.62	N.M.	6.66	34

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

35. LIST OF ATTACHMENTS None

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

SIGNED Molly Conrad TITLE Operations Secretary DATE 8-25-95

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
			No DST's run.	Green River	1543'	1543'
				Horse Bench	2248'	2248'
				2nd Garden Gulch	3899'	3899'
				Yellow Marker	4527'	4527'
				Douglas Creek	4690'	4690'
				2nd Douglas Creek	4933'	4933'
				Green Marker	5077'	5077'
				Black Shale Facies	5361'	5361'
				Carbonate Marker	5533'	5533'

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-12J

Location: NE NE Section 12, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

395' FNL & 476 FEL

PTD: 5,750' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5457.6' GL

Contractor: Union Drilling

Operator: Balcron/EREC

Spud: 6-23-95 @ 4 p.m.

Casing: 8-5/8", 24#, J-55 @ 274' KB

5-1/2", 15.5#, J-55 @ 5748.82'

Tubing: 2-7/8", 6.5#, J-55 @ 4970.81'

6-9/22-95 Build location & install pit liner.

DC: \$23,886

CC: \$23,886

6-24-95 TD: 296' (296') Day 1

Formation: Surface

MW air & foam

Present Operation: WOC

MIRU rotary tools. Spud @ 4 p.m. on 6-23-95. Drill conductor hole to 27' & set conductor. Drill rat hole, NU & cond flowline. Drill 12-1/4" hole to 296', circ hole clean, TOOH & pull conductor pipe. RU & run 6 jts 8-5/8" J-55 24# csg as follows:

1 shoe	.80'
1 - jt 8-5/8 csg	44.00'
1 - baffle plate	---
5 - jts 8-5/8" csg	219.66'
1 - Landing jt	13.00'
Total string length	277.46'
Csg landed @	274.00'

Cmt by BJ W 160 sxs "G" w/2% CaCl<sub>2</sub> & 1/4#/sx Cello-Seal. Circ 4 bbls to pit.

Plug down @ 5:45 a.m. 6-24-95.

DC: \$9,719

CC: \$33,605

6-25-95 TD: 910' (614') Day 2

MW air & foam

Present Operation: Drilling

WOC, cut off 8-5/8" csg, weld on wellhead & test to 1000#. NU & test BOP & all related equipment to 2000# 10 min - OK. Test 8-5/8" csg to 1500# for 30 min - OK. TIH drilling baffle plate, cmt & shoe. Drilling 7-7/8", rig service & survey.

DC: \$9,370

CC: \$42,975

6-26-95 TD: 2,142' (1,232') Day 3

Formation: Green River

MW air & foam

Present Operation: Drilling

Drill, rig service, & survey.

DC: \$15,700

CC: \$58,675

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-12J

Location: NE NE Section 12, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

6-27-95	TD: 3,120' (978') Day 4 Formation: Green River MW air & foam Present Operation: Drilling Drill, rig service, & survey. DC: \$14,772	CC: \$73,447
6-28-95	TD: 3,844' (724') Day 5 Formation: Garden Gulch MW air & foam Present Operation: Drilling Drill, rig service, & survey. DC: \$7,090	CC: \$80,537
6-29-95	TD: 4,248' (404') Day 6 Formation: Yellow Zone MW 8.5 pH 10 Present Operation: Drilling Drill, load hole w/fluid & circ btms up, & trip for bit #4. Drill, rig service & survey. DC: \$5,958	CC: \$86,505
6-30-95	TD: 4,730' (482') Day 7 Formation: Red Zone MW 8.5 pH 10 Present Operation: Drilling Drill, rig service, & survey. DC: \$6,852	CC: \$93,357
7-1-95	TD: 5,285' (555') Day 8 Formation: Blue Zone MW 8.6 pH 10 Present Operation: Drilling Drill, rig service, & survey. DC: \$8,564	CC: \$102,011
7-2-95	TD: 5,750' (465') Day 9 Formation: Blue Zone MW 8.6 pH 10 Present Operation: TOO H for logs. Drill, rig service, circ, & TOO H for logs. DC: \$7,278	CC: \$109,289

**DAILY OPERATING REPORT**

**BALCRON MONUMENT FEDERAL #41-12J**

**Location: NE NE Section 12, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

- 7-3-94 TD: 5,750' (0') Day 10  
TOOH for logs. RU schlumberger & log: DLL/LDT/CNT/GR/CAL. TIH. LD drill pipe & collars. RU csg crew. Change pipe rams & test to 2000 psi. Run 128 jts 5-1/2" J-55 15.5# csg. RU BJ. Cmt csg w/30 bbls mud flush ahead of 500 sxs Super G, 47#/sx "G", 20#/sx POZ-A, 17#/sx CSL, 3% salt, 2% gel, 2#/sx Hiseal#2, 1/4#/sx Cello-Seal. Wt - 11 ppg, Y - 2.76. Tail w/325 sxs 50/50 POZ, 2% gel, 1/4#/sx Cellowseal, 2#/sx Hi-Seal2. Wt - 14.3 Y - 1.24. Bump plug to 2000# for 10 min. Float held. PD @ 12:00 midnight 7-3-95. ND BOP. Circ 50 bbls cmt to pit. Set 5-1/2" csg slips w/90K down. Clean pits. Release rig @ 4 a.m. 7-3-95.  
DC: \$62,805 CC: \$172,094
- 7-5-95 WO Completion
- 7-6-95 WO Completion
- 7-7-95 Completion  
Dress up location, set rig anchors, set tanks & rig pump. MIRU Cannon Well Service Rig #2. NU 5M wellhead, NU BOP. SWI.  
DC: \$1,707 CC: \$173,801
- 7-10-95 Completion  
TIH w/4-3/4" bit, 5-1/2" csg scraper & 184 jts 2-7/8" tbg. Tag fill @ 5695' KB. L Circ clean w/330 bbls of 2% KCL wtr. Pressure test csg to 1000 psi for 10 min- OK. TOOH w/tbg & tools. RU Cutter to run CBL & perf. Run CBL from 5680' KB to 30' KB w/1000 psi, TOC @ 60' KB. Perf 4880'-84', 4886'-90, & 4894'-96' (4 SPF). RD Cutter Wireline. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & 159 jts 2-7/8" tbg. Set BP @ 4947' KB, EOT @ 4851' KB, set packer @ 4844' KB. SWIFN. 130 BLWTR.  
DC: \$7,215 CC: \$181,016
- 7-11-95 Completion  
BP @ 4947' KB. RU BJ Services to break down 4880'-96' w/2,226 gals 2% KCL wtr. L ATP 1910 psi, ATR 3.6 bpm. ISIP 1300 psi. Pump 4 balls/bbl. TOOH w/tbg & packer. RU BJ Service to frac 4880'-96' w/32,180# 16/30 mesh sand w/13,440 gals 2% KCL gelled wtr. ATP 2200 psi, ATR 33.6 bpm. ISIP 2100 psi, 5 min 1840 psi, 10 min 1730 psi, & 15 min 1680 psi. SWIFN. 308 BLWTR.  
DC: \$28,381 CC: \$209,397

**DAILY OPERATING REPORT**

**BALCRON MONUMENT FEDERAL #41-12J**

**Location: NE NE Section 12, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

**7-12-95**

**Completion**

BP @ 4947' KB. Bleed well down, flow back 35 BW. TIH w/retrieving tools, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN, & 155 jts 2-7/8" tbg. Tag sand @ 4791' KB, circ down to BP @ 4947'KB & set packer @ 4844' KB. Made 30 swab runs, recovered 1 BO & 148 BW. Last 16 runs trace of oil, last 5 runs no sand. Release packer & tag sand @ 4940' KB. Circ down to BP @ 4947' KB, release BP & reset @ 4269' KB. SWIFN.

DC: \$2,191

CC: \$211,588

**7-13-95**

**Completion**

BP @ 4269' KB. TOOH w/tbg & packer. RU Cutter & perf 4173'-86' & 4188'-92' (4 SPF). RD Cutters. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/7" x 2-7/8" crossover, SN & 133 jts 2-7/8" tbg. Set packer @ 4133', EOT @ 4140'. RU BJ Services to break down 4173'-92' w/2,898 gals 2% KCL wtr. ATP 2350 psi, ATR 5.7 bpm. ISIP 1450 psi. TOOH w/tbg & packer. RU BJ Services to frac 4173'-92' w/54,060# 16/30 mesh sand w/16,590 gals 2% KCL gelled wtr. ATP 2350 psi, ATR 32 bpm. ISIP 2850 psi, 5 min 1620 psi, 10 min 1530 psi, 15 min 1510 psi, & 30 min 1420 psi. Bleed well down. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & 129 jts tbg. Flow back 90 BW. Tag sand @ 4029' KB. Circ down to BP @ 4269' KB. Set packer @ 4133' KB. SWIFN. 294 BLWTR.

DC: \$29,779

CC: \$241,387

**7-14-95**

**Completion**

Bleed well down, flow back 20 BW. Made 30 swab runs, recovered 9 BO & 139 BW. Last 3 runs 20% oil & FL @ 2200'. Last 9 runs no sand, last 15 runs good gas. Release packer, circ well w/30 BW to kill, tag sand @ 4256' KB. Circ down to BP @ 4269' KB. Release BP, TOOH w/tbg, packer & BP. TIH w/tbg production string as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - jt 2-7/8" J-55 6.5# tbg	31.02'	4970.81'
1 - Perf Sub 2-7/8" x 4'	4.02'	4939.79'
1 - SN 2-7/8"	1.10'	4935.59'
26 - jts 2-7/8" J-55 6.5#	803.02'	4934.49'
1 - Tbg Anchor 2-1/2" x 5-1/2"	2.35'	4131.37'
133 - jts 2-7/8" J-55 6.5#	4120.12'	4129.12'

Set tbg anchor w/11" tension. SWIFN. 165 BLWTR.

DC: \$2,612

CC: \$243,999

**7-17-95**

**Completion**

ND BOP, ND 5M well head, NU 3M wellhead. TIH w/rod production string as follows:

1 - DHP 2-1/2" x 1-1/2" x 16' RWAC w/pa plunger

196 - 3/4" x 25' D-61 Plain Rods

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

Pressure test DHP & tbg to 1000 psi - OK. RDMO. 165 BLWTR.

**DC: \$19,760**

**CC: \$ 263,759**

**7-28-95**

**Completion**

**Started well pumping @ 11:50 p.m. Newell Richens will be the pumper.**

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓	MONUMENT FEDERAL 14-5							
4301331385	11492 09S 17E	5	GRRV					
✓	MONUMENT FEDERAL 24-12J							
4301331409	11492 09S 16E	12	GRRV					
✓	BALCRON MONUMENT FEDERAL 31-1J							
4301331413	11492 09S 16E	1	GRRV					
✓	MONUMENT FEDERAL 32-1J							
4301331414	11492 09S 16E	1	GRRV					
✓	BALCRON MONUMENT FEDERAL 33-11J							
4301331451	11492 09S 16E	11	GRRV					
✓	BALCRON MONUMENT FEDERAL 42-12J							
01331486	11492 09S 16E	12	GRRV					
✓	BALCRON MONUMENT FEDERAL 41-12J							
4301331487	11492 09S 16E	12	GRRV					
✓	BALCRON MONUMENT FEDERAL 12-7J							
4301331493	11492 09S 17E	7	GRRV					
✓	FEDERAL 24-3Y							
4301331397	11493 09S 17E	3	GRRV					
✓	FEDERAL 14-4							
4304715678	11500 08S 25E	4	GRRV					
✓	E. RED WASH 1-5							
4304720174	11500 08S 25E	5	GRRV					
✓	E. RED WASH FED 1-12							
4304720207	11500 08S 24E	12	GRRV					
✓	E. RED WASH FED 1-6							
4304720208	11500 08S 25E	6	GRRV					
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_

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

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		



**EQUITABLE RESOURCES  
ENERGY COMPANY**

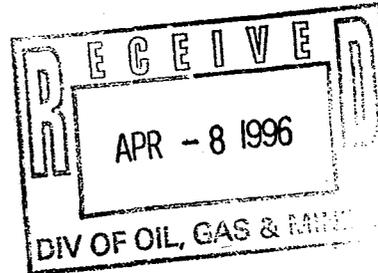
**BALCRON OIL DIVISION**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

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

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <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.

APR - 8 1996

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:	
1	LEP 7-SJ ✓
2	DES 58-FILE ✓
3	VLD (GIL) ✓
4	RJE ✓
5	IEC ✓
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>phone (406) 259-7860</u>	<u>BILLINGS MT 59102-4126</u>
	<u>account no. N9890</u>	<u>phone (406) 259-7860</u>
		<u>account no. N9890</u>

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

Name: <b>**SEE ATTACHED**</b>	API: <u>D13-31487</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: _____

**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) Schae 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**

- VSR 1. All attachments to this form have been microfilmed. Date: May 20 1996  
*refilmed 9.12.96 w/ file.*

**FILING**

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

**COMMENTS**

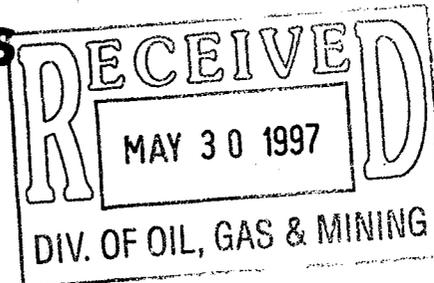
9/6/10 Blm/BIA "Formal approval not necessary"



EQUITABLE RESOURCES  
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue  
Billings, MT 59102



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

May 27, 1997

Utah Board Of Oil, Gas, & Mining  
1594 West North Temple  
Suite-1220  
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit  
Beluga Secondary Recovery Unit  
Coyote Basin Secondary Recovery Unit  
Castle Draw (State Section-2) Pilot Waterflood  
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti  
District Production Engineer



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

Telephone (801) 789-4327

## Water Analysis Report

**Customer :** EREC - Western Oil Company

**Address :** 1601 Lewis Avenue

**City :** Billings

**State :** MT      **Postal Code :** 59104-

**Attention :** John Zellitti

**cc1 :** Dan Farnsworth

**cc2 :** Joe Ivey

**cc3 :**

*Sonah Unit*  
**Field :** Monument Butte Field

**Lease :** Monument Federal Lease

**Location :** Well No. 41-12J

**Sample Point :** wellhead

**Date Sampled :** 23-Jan-97

**Date Received :** 23-Jan-97

**Date Reported :** 08-Feb-97

**Salesman :** Lee Gardiner

**Analyst :** Karen Hawkins Allen

### CATIONS

**Calcium :** 80 mg/l  
**Magnesium :** 53 mg/l  
**Barium :** 0 mg/l  
**Strontium :** 0 mg/l  
**Iron :** 3.0 mg/l  
**Sodium :** 1125 mg/l  
  
**pH (field) :** 7.82  
**Temperature :** 85 degrees F  
**Ionic Strength :** 0.06  
  
**Resistivity :** ohm/meters  
  
**Ammonia :** ppm  
  
**Comments :**

### ANIONS

**Chloride :** 1,420 mg/l  
**Carbonate :** 0 mg/l  
**Bicarbonate :** 915 mg/l  
**Sulfate :** 108 mg/l  
  
**Specific Gravity :** 1.005 grams/ml  
**Total Dissolved Solids :** 3,704 ppm  
**CO2 in Water :** 97 mg/l  
**CO2 in Gas :** 0.03 mole %  
**H2S in Water :** 0.0 mg/l  
**O2 in Water :** 0.000 ppm

### SI calculations based on Tomson-Oddo

<b>Calcite (CaCO3) SI :</b>	-0.02	<b>Calcite PTB :</b>	N/A
<b>Gypsum (CaSO4) SI :</b>	-2.40	<b>Gypsum PTB :</b>	N/A
<b>Barite (BaSO4) SI :</b>	N/A	<b>Barite PTB :</b>	N/A
<b>Celestite (SrSO4) SI :</b>	N/A	<b>Celestite PTB :</b>	N/A

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ BALCRON MONUMENT FEDERAL 31-1J 4301331413	11492	09S 16E 1	GRRV			433992	9mch (62) Unit	
✓ MONUMENT FEDERAL 32-1J 4301331414	11492	09S 16E 1	GRRV			"	↓	
✓ BALCRON MONUMENT FEDERAL 33-11J 4301331451	11492	09S 16E 11	GRRV			4096550		
✓ BALCRON MONUMENT FEDERAL 42-12J 4301331486	11492	09S 16E 12	GRRV			4035521		
✓ BALCRON MONUMENT FEDERAL 41-12J 4301331487	11492	09S 16E 12	GRRV			444426		
✓ BALCRON MONUMENT FEDERAL 12-7J 4301331493	11492	09S 17E 7	GRRV			"		
✓ JERAL 24-3Y 4301331397	11493	09S 17E 3	GRRV			464381		
FEDERAL 14-4 4304715678	11500	08S 25E 4	GRRV			441376		
E. RED WASH 1-5 4304720174	11500	08S 25E 5	GRRV			4063597		
E. RED WASH FED 1-12 4304720207	11500	08S 24E 12	GRRV			4038797		
E. RED WASH FED 1-6 4304720208	11500	08S 25E 6	GRRV			407439B		
COYOTE 1-12 4304720221	11500	08S 24E 12	GRRV			458226		
E. RED WASH FED 1-13 4304720222	11500	08S 24E 13	GRRV			4018073		
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_  
 Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

County:

State:

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

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

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

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

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

OCT 10 1997

13.

Name & Signature:

**CHRIS A. POTTER, ATTORNEY-IN-FACT**

Date:

9/30/97

(This space for State use only)



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

**(406) 259-7860 Telephone**

**(406) 245-1361 Fax**

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



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

TO: *Lisha*  
*St of Utah.*

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

Pages Attached - Including Cover Sheet *2.*

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

INLAND

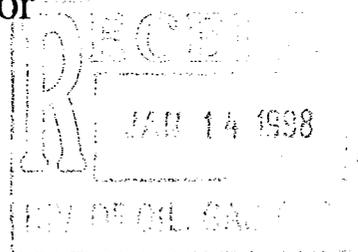
Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
MONUMENT BUTTE #22-12J	SENW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15796-00	UTU096550	UTU72086A
MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #13-11J	NWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15790-00	UTU096547	UTU72086A
MONUMENT BUTTE FED #31-1J	NW NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31413-00	UTU33992	UTU72086A
MONUMENT BUTTE FED #33-11J	NWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31451-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #41-12J	NE NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31487-00	UTU44426	UTU72086A
MONUMENT BUTTE FED #42-11J	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30066-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #42-12J	SENE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31486-00	UTU035521	UTU72086A
MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
MONUMENT BUTTE FED. #14-5	SWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31385-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
MONUMENT BUTTE FED. #23-5	NESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31383-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #24-12J	SESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31409-00	UTU035521A	UTU72086A
MONUMENT BUTTE FED. #32-1J	SWNE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31414-00	UTU33992	UTU72086A
MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
MONUMENT FEDERAL #12-7J	SWNW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31493-00	U-44426	UTU72086A



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

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

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

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

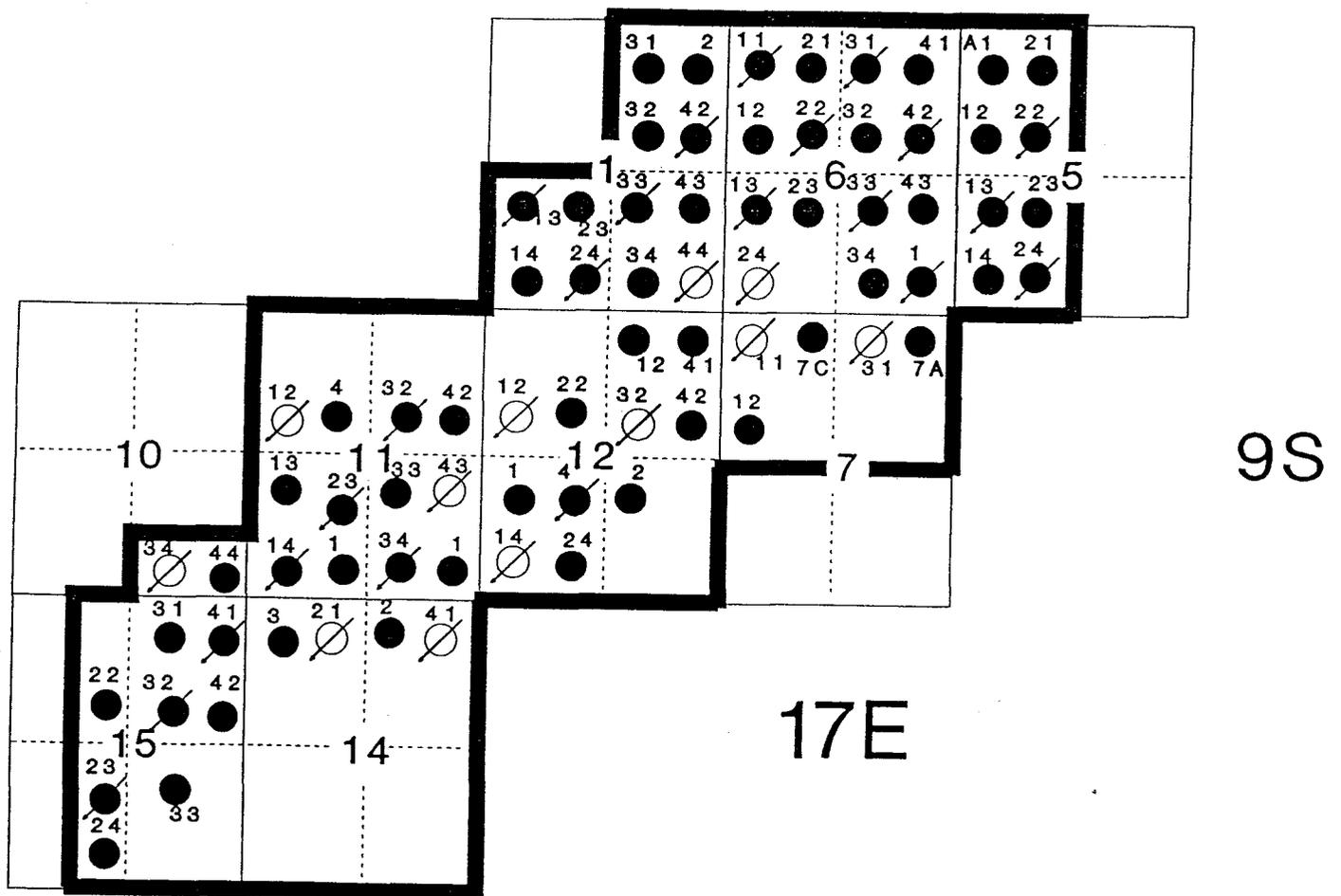
WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



16E

17E

9S

— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

**OPERATOR CHANGE WORKSHEET**

Routing	
1-JEC <i>[initials]</i>	6-M <i>[initials]</i>
2-CEH <i>[initials]</i>	7-KAS <i>[initials]</i>
3-DTS <i>[initials]</i>	8-SI <i>[initials]</i>
4-VLD <i>[initials]</i>	9-FILE <i>[initials]</i>
5-IRB <i>[initials]</i>	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION COMPANY</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS</u>
	Phone: <u>(801)722-5103</u>		Phone: <u>(406)628-4164</u>
	Account no. <u>N5160</u>		Account no. <u>N9890</u>

**WELL(S)** attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31487</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**

- [initials]* 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- [initials]* 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A* 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- [initials]* 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.
- [initials]* 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) \* UIC/Qual Pro 1-14-98 & UIC/DBase 1-14-98.*
- [initials]* 6. **Cardex** file has been updated for each well listed above.
- [initials]* 7. Well **file labels** have been updated for each well listed above.
- [initials]* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- [initials]* 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- yc 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (OP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A/yc 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A/yc 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- NA 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- yc 1. All attachments to this form have been **microfilmed**. Today's date: 2.3.98.

**FILING**

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

**COMMENTS**

980114 btm/SY Aprv. eff. 1-13-98.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-44426**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**JONAH**

8. Well Name and No.  
**BALCRON MONUMENT FEDERAL 41-125**

9. API Well No.  
**43-013-31487**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**0209 FNL 0437 FEL                      NE/NE Section 12, T09S R16E**

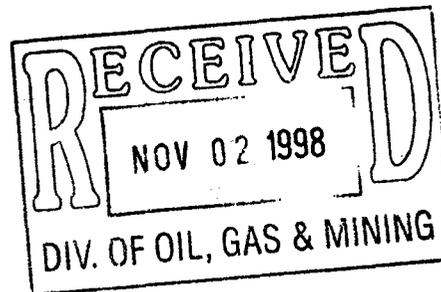
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct  
Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)  
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:  
**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

Monument Federal 41-12J

NE/NE Sec. 12, T9S, 16E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

**Production Phase:**

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

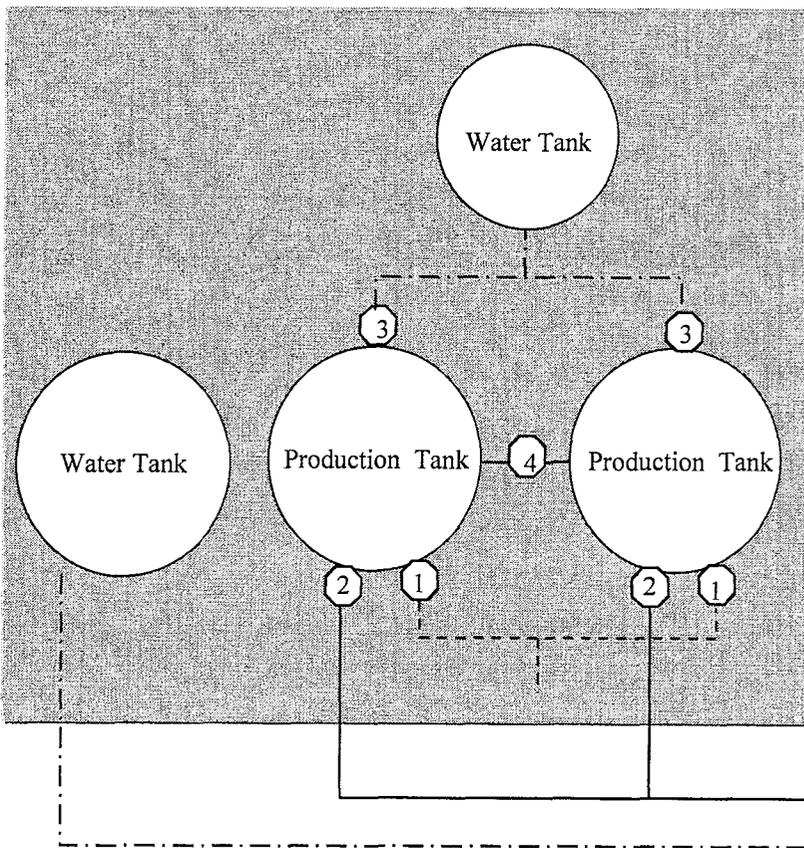
**Sales Phase:**

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

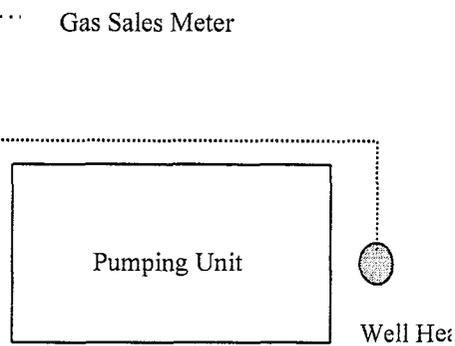
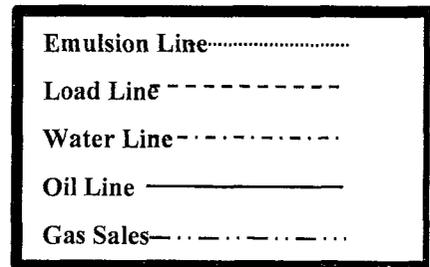
**Draining Phase:**

- 1) Valve 3 open

Diked Section



**Legend**





# 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

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 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

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

**CA No.**

**Unit:**

**JONAH (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487*	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-44426
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: MONUMENT FED 41-12J
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0209 FNL 0437 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 12 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013314870000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
9. API NUMBER: 43013314870000	STATE: UTAH

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

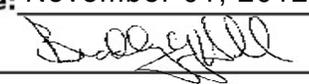
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 10/22/2012. One interval was perforated, D2 sands - 4770-4777' 3 JSPF. On 10/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/30/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 575 psig during the test. There was not a State representative available to witness the test.

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

**Date:** November 01, 2012

**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/1/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 10/30/12 Time 9:00 am pm  
Test Conducted by: Don Trane  
Others Present: \_\_\_\_\_

Well: <u>Monument 41-125-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>41-125-9-16</u>	API No: <u>4301331487</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1350</u>	psig
5	<u>1350</u>	psig
10	<u>1350</u>	psig
15	<u>1350</u>	psig
20	<u>1350</u>	psig
25	<u>1350</u>	psig
30 min	<u>1350</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 575 psig

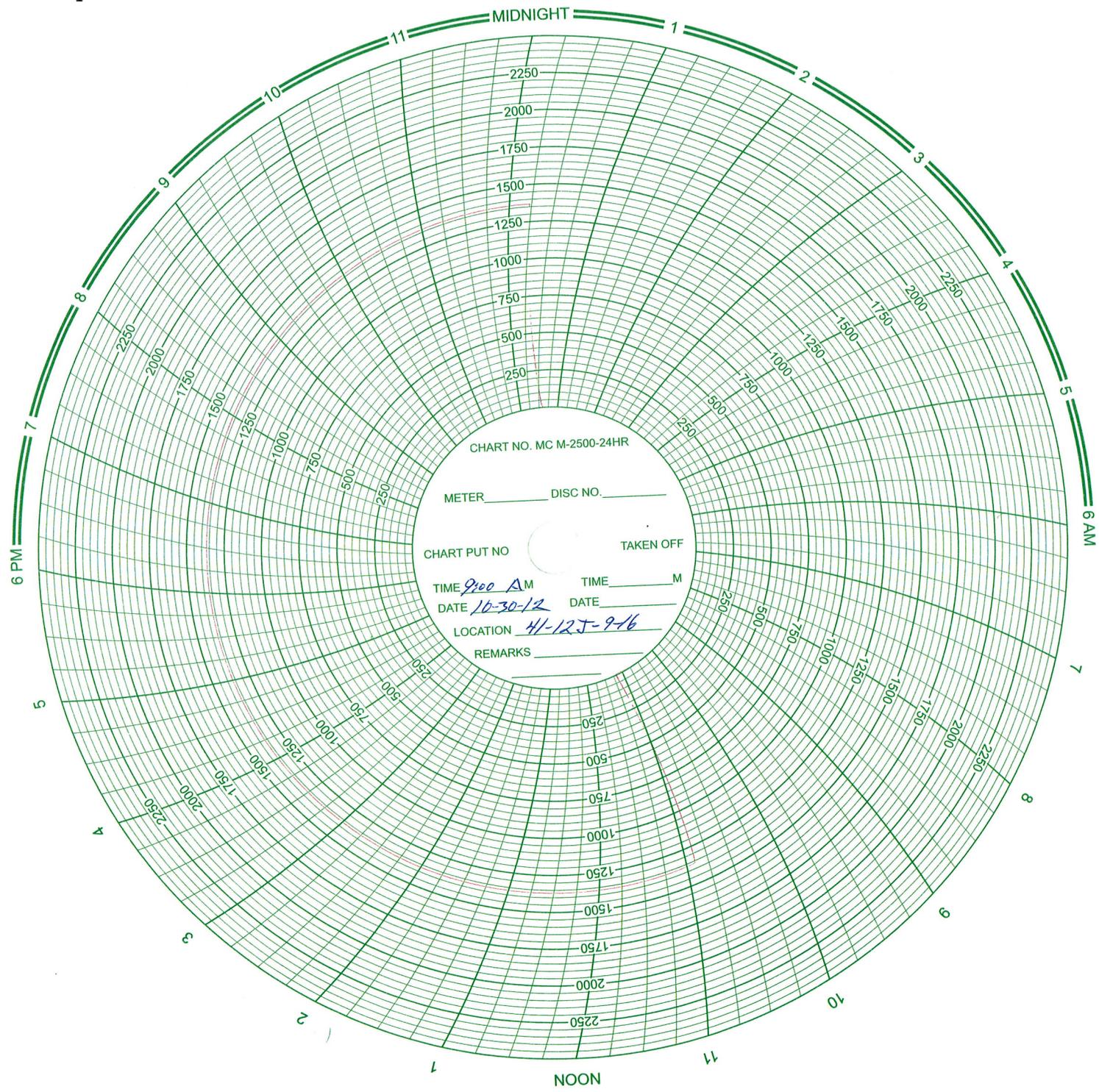
Result:

Pass

Fail

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

Signature of Person Conducting Test: Don Trane





@ 4770-77' w/ 3 spf for total of 21 shots. RD WLT. - Wait on runners w/ tbg trailer. - TALLY AND PICK UP RBP RH, 2 3/8 X 6 FT SUB PKR, 1 JT 2 7/8, S/N AND 26 JTS OF 2 7/8 N80 TBG. SIFN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$29,696

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**10/18/2012 Day: 4**

**Conversion**

Nabors #1416 on 10/18/2012 - PU TIH w/ work string. Test tools. Break down zone. - Move pkr to 4714'. Break down D2 sds @ psi back to psi w/ 2 bbls fluid. Release pkr. Well ready for frac. SIFN. - Set RBP @ 4821'. Set pkr @ 4783'. Took 1 bbl to find on test to 4000 psi. - Move tools & set RBP @ 4853'. Set pkr @ 4821'. Test to 4000 psi. - Held safety meeting & discussed JSA's & location Hazards. Continue PU TIH w/ work string. - Shut down for safety meeting on rigging & lifting equipment. - Set RBP @ 4821'. Set pkr @ 4783'. Took 1 bbl to find on test to 4000 psi. - Shut down for safety meeting on rigging & lifting equipment. - Move tools & set RBP @ 4853'. Set pkr @ 4821'. Test to 4000 psi. - Move pkr to 4714'. Break down D2 sds @ psi back to psi w/ 2 bbls fluid. Release pkr. Well ready for frac. SIFN. - Held safety meeting & discussed JSA's & location Hazards. Continue PU TIH w/ work string. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$37,207

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**10/19/2012 Day: 5**

**Conversion**

Nabors #1416 on 10/19/2012 - RU Baker Hughes & frac well. Flow well back. - Held safety meeting & discussed JSA's & location hazards. RU Baker Hughes frac crew. Set pkr @ 4733'. - TOO H w/ 28 jts & leave tools hang above above perfs for weekend. SIFN. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 30' of sand. Release RBP @ 4856'. - Test lines to 8400 psi. Break zone down. Had pad on perfs & Baker Hughes broke down. - Open well w/ 1940 psi on casing. Flow well back on 26/64 choke then 30/64 choke for a total of 90 bbls rec'd w/ 1000#'s of sand. - Test lines to 8400 psi. Open well w/ 1853 psi on casing. Perfs broke @ 2135 psi back to 2120 psi w/ 1.5 bbls @ 2 bpm. Pump 250 gal of 15% HCL acid @ 3714 psi @ 10 bpm. Lost 500 psi when acid hit perfs. Frac @ ave pressure of 5256 psi @ 20 bpm. Frac w/ 20,240#'s of 20/40 sds in 397 bbls of Lightning 17 frac fluid. ISIP was 2444 psi w/ .95FG. Max pressure was 5581 @ 20 bpm. RD Baker Hughes. - Open well w/ 1940 psi on casing. Flow well back on 26/64 choke then 30/64 choke for a total of 90 bbls rec'd w/ 1000#'s of sand. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 30' of sand. Release RBP @ 4856'. - TOO H w/ 28 jts & leave tools hang above above perfs for weekend. SIFN. - Held safety meeting & discussed JSA's & location hazards. RU Baker Hughes frac crew. Set pkr @ 4733'. - Test lines to 8400 psi. Break zone down. Had pad on perfs & Baker Hughes broke down. - Wait on water to start frac over. - Test lines to 8400 psi. Open well w/ 1853 psi on casing. Perfs broke @ 2135 psi back to 2120 psi w/ 1.5 bbls @ 2 bpm. Pump 250 gal of 15% HCL acid @ 3714 psi @ 10 bpm. Lost 500 psi when acid hit perfs. Frac @ ave pressure of 5256 psi @ 20 bpm. Frac w/ 20,240#'s of 20/40 sds in 397 bbls of Lightning 17 frac fluid. ISIP was 2444 psi w/ .95FG. Max pressure was 5581 @ 20 bpm. RD Baker Hughes. - Wait on water to start frac over.

**Daily Cost:** \$0

**Cumulative Cost:** \$106,411

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**10/22/2012 Day: 6**

**Conversion**

Nabors #1416 on 10/22/2012 - LD work string. TiH w/ pkr. Test tbg. Pump pkr fluid. Test casing. RDMOSU. - Drop std valve & test tbg to 3000 psi for 30 min. Fish std valve. RD tbg equipment. - TIH w/ 133 jts of J-55 tbg. - LD tools. RU Guide, XN nipple, 2-3/8" x 4' pup, X-

over (2-3/8" to 2-7/8"), Arrow Set 1 pkr, On/Off tool , X nipple, SN. - Held safety meeting & dicussed JSA's & location hazards. Open well w/ 400 psi on casing. RU hot oiler & flush tbg w/ 45 bbls hot water. TOOH w/ tbg laying down on trailer. - Held safety meeting & dicussed JSA's & location hazards. Open well w/ 400 psi on casing. RU hot oiler & flush tbg w/ 45 bbls hot water. TOOH w/ tbg laying down on trailer. - Pump 68 bbls of pkr fluid. Set pkr @ 4132' CE, 4136' EOT in 15,000#'s tension. Pressure casing to 1400 psi w/ 3 bbls pkr fluid. Check pressure. RDMOSU. - TIH w/ 133 jts of J-55 tbg. - Drop std valve & test tbg to 3000 psi for 30 min. Fish std valve. RD tbg equipment. - Pump 68 bbls of pkr fluid. Set pkr @ 4132' CE, 4136' EOT in 15,000#'s tension. Pressure casing to 1400 psi w/ 3 bbls pkr fluid. Check pressure. RDMOSU. - LD tools. RU Guide, XN nipple, 2-3/8" x 4' pup, X-over (2-3/8" to 2-7/8"), Arrow Set 1 pkr, On/Off tool , X nipple, SN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$136,080

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**10/31/2012 Day: 7**

**Conversion**

Rigless on 10/31/2012 - Conduct initial MIT - On 10/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/30/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 575 psig during the test. There was not a State representative available to witness the test. - On 10/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/30/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 575 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$209,414

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-44426
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 41-12J
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013314870000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0209 FNL 0437 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 12 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/7/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Put on Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 1:15 PM on  
12/07/2012.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
December 10, 2012**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/10/2012	



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

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

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

December 19, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list.

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

Archeology and parentology surveys have been ordered and reports will be sent to you as soon as they are complete.

Sincerely,

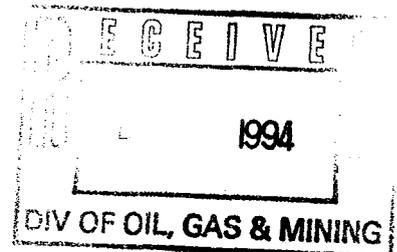
*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

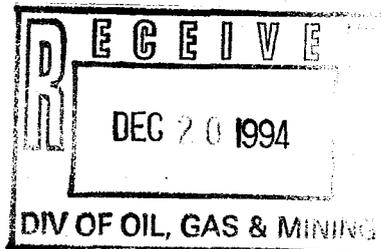
1A. Type of Work: <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. Lease Designation and Serial Number: Federal #U-44426
B. Type of Well: <b>OIL</b> <input checked="" type="checkbox"/> <b>GAS</b> <input type="checkbox"/> <b>OTHER:</b> _____ <b>SINGLE ZONE</b> <input type="checkbox"/> <b>MULTIPLE ZONE</b> <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: n/a
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division		7. Unit Agreement Name: Jonah Unit
3. Address and Telephone Number: P.O. Box 21017; Billings, MT 59104 (406) 259-7860		8. Farm or Lease Name: Balcron Monument Federal
4. Location of Well (Footages) At Surface: NE NE Section 12, T9S, R16E <sup>209'</sup> <sup>431'</sup> At Proposed Producing Zone: 395' FNL, 476' FEL		9. Well Number: #41-12J
14. Distance in miles and direction from nearest town or post office: Approximately 13 miles southwest of Myton, Utah		10. Field and Pool, or Wildcat: Monument Butte/Green River
15. Distance to nearest property or lease line (feet):	16. Number of acres in lease:	11. Qtr/Qtr, Section, Township, Range, Meridian: NE NE 12, T9S, R16E
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):	19. Proposed Depth: 5,750'	12. County: Duchesne
21. Elevations (show whether DF, RT, GR, etc.): GL 5457.6'	17. Number of acres assigned to this well:	13. State: UTAH
20. Rotary or cable tools: Rotary	22. Approximate date work will start: 3/1/95	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT	"D" Drilling Program/Casing Design			

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

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



24. Name & Signature: <u>Bobbie Schuman</u> Bobbie Schuman	Regulatory and Environmental Specialist Title: <u>APPROVED BY THE STATE</u> Date: <u>12-19-94</u>
API Number Assigned: <u>43-013-31487</u>	Approval: DATE: <u>4/14/95</u> BY: <u>[Signature]</u> WELL SPACING: <u>PLU 9-2-3</u>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 NE NE Section 12, T9S, R16E      209' 395' FNL, 431' FEL  
 At proposed prod. zone

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
 5,750'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GL 5457.6'

22. APPROX. DATE WORK WILL START\*  
 3/1/95

5. LEASE DESIGNATION AND SERIAL NO.  
 U-44426

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

7. UNIT AGREEMENT NAME  
 Jonah Unit

8. FARM OR LEASE NAME  
 Balcron Monument Federal

9. WELL NO.  
 #41-12J

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 12, T9S, R16E

12. COUNTY OR PARISH  
 Duchesne

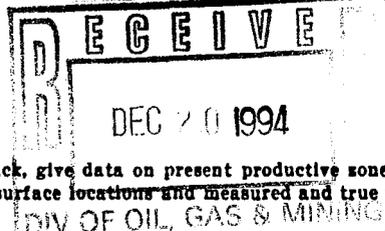
13. STATE  
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

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

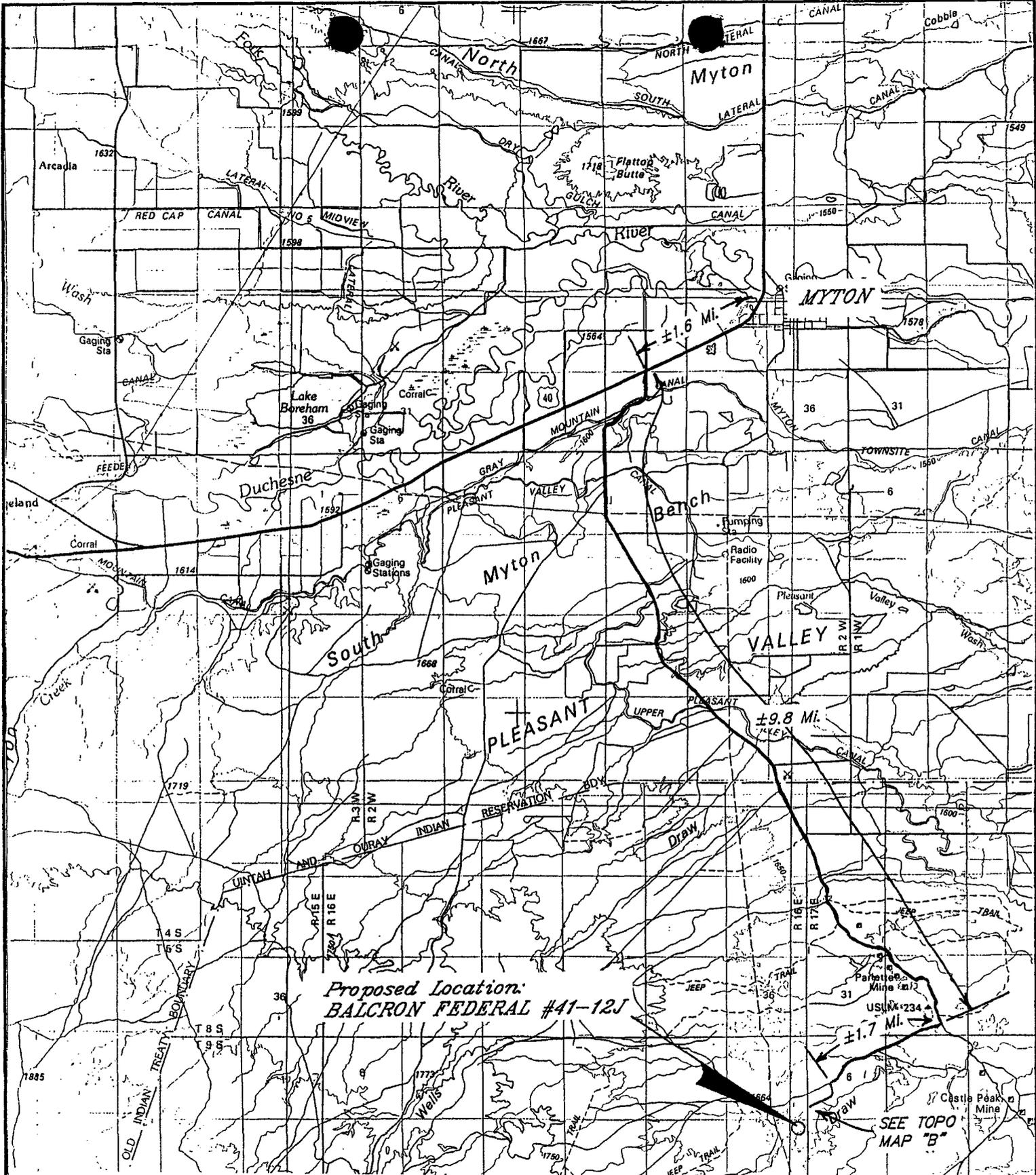


IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 12-19-94  
 (This space for Federal or State office use)

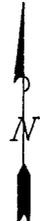
PERMIT NO. 43-013-31487 APPROVAL DATE \_\_\_\_\_ APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 APPROVED BY J. M. Matthews TITLE Petroleum Engineer DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side WELL SPACING: \_\_\_\_\_

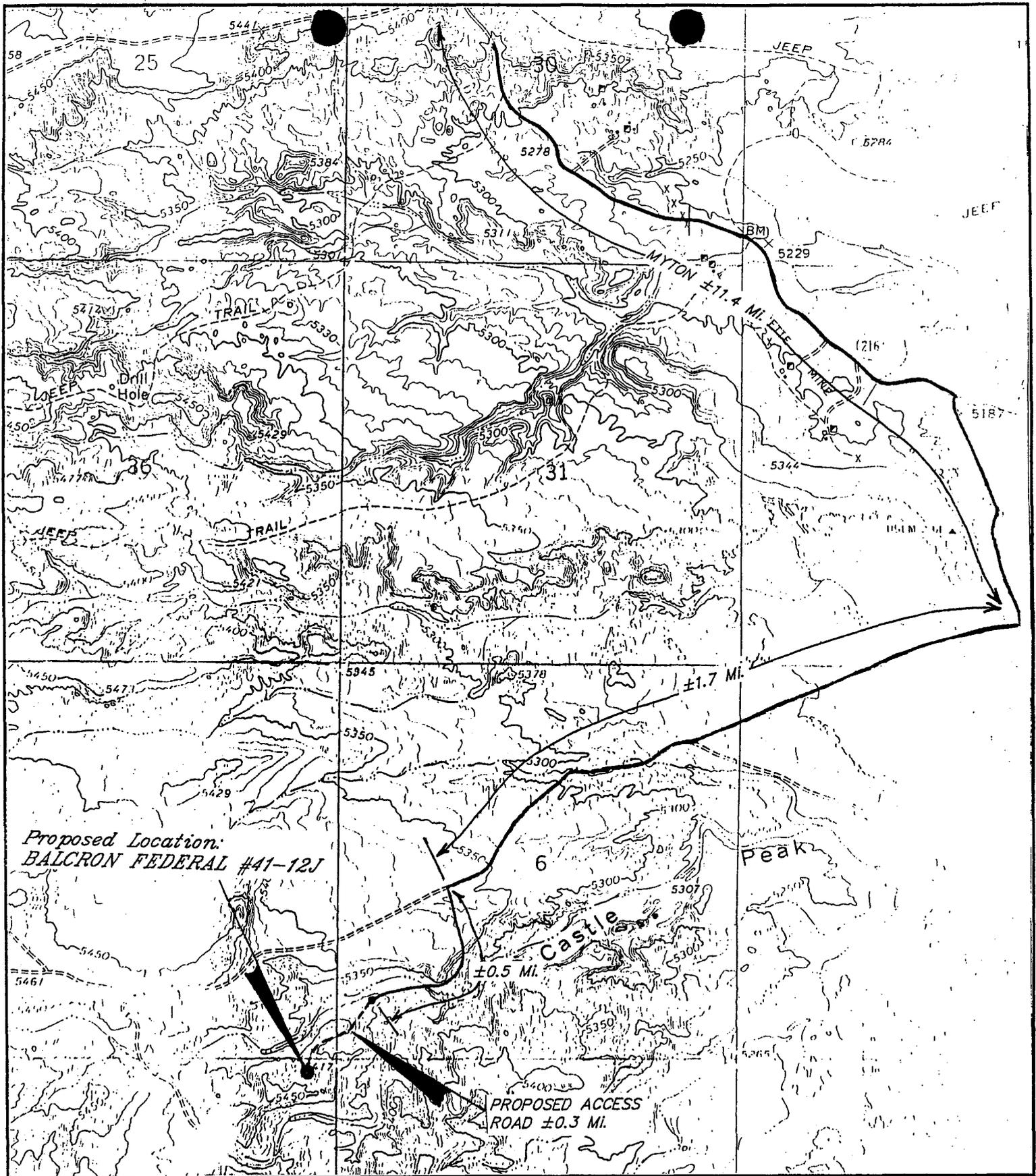


**EQUITABLE RESOURCES CO.**

BALCRON FEDERAL #41-12J  
 SECTION 12, T9S, R16E, S.L.B.&M.  
 TOPO "A"



**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501  
 38 WEST 100 NORTH CANAL, UTAH 84078

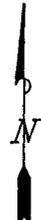


*Proposed Location.  
BALCRON FEDERAL #41-12J*

*PROPOSED ACCESS  
ROAD ±0.3 MI.*

***EQUITABLE RESOURCES CO.***

*BALCRON FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.  
TOPO "B"*



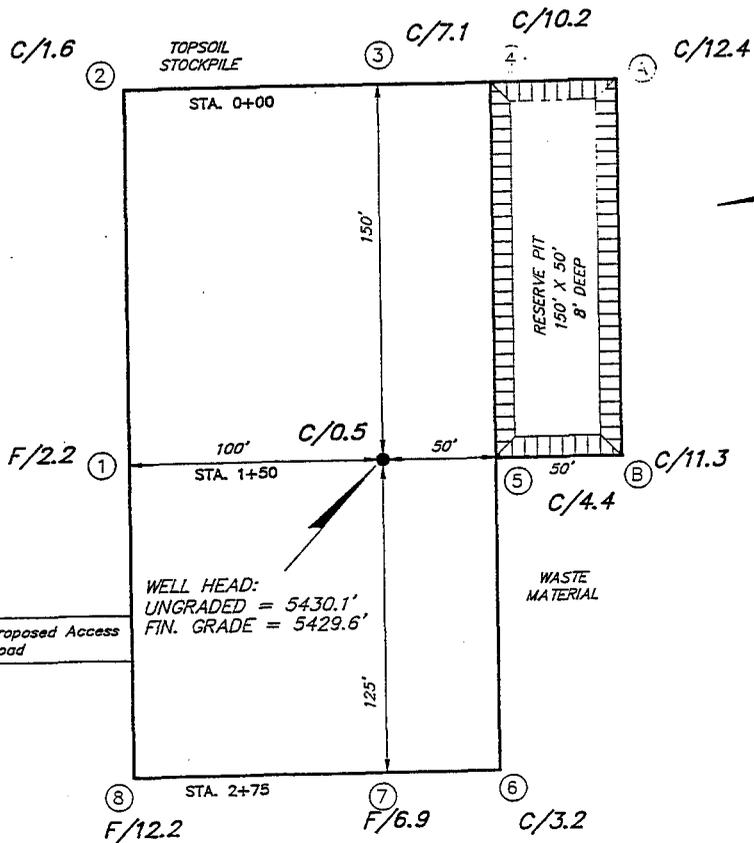
SCALE: 1" = 2000'

***Tri State***  
*Land Surveying, Inc.*  
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.



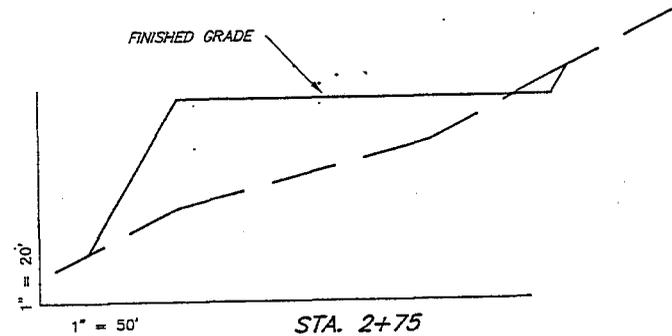
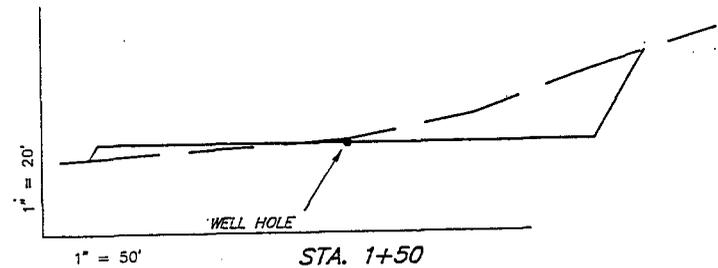
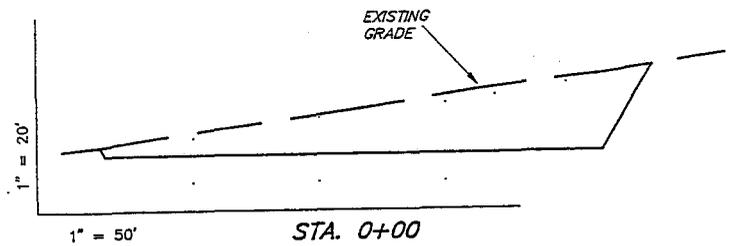
SCALE: 1" = 50'

### REFERENCE POINTS

150' NORTH 5424.9'  
200' NORTH 5420.1'  
175' EAST 5446.4'  
225' EAST 5450.3'

### APPROXIMATE YARDAGES

CUT = 6527 Cu. Yds.  
FILL = 4526 Cu. Yds.  
PIT = 2,710 Cu. Yds.  
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. J.S.

DRAWN BY: S.S.

DATE: 3-1-95

SCALE: 1" = 50'

FILE: 41-12J ALT

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

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

N89°58'W (G.L.O.) Basis of Bearings  
2633.16' - Measured

**WELL LOCATION:  
BALCRON MONUMENT  
FEDERAL #41-12J**

ELEV. UNGRADED GROUND = 5457.6'

395'  
476'

S0°02'E - 2642.82' (Meas.)

N0°01'W (G.L.O.)

12

N89°56'W - 80.00 (G.L.O.)



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

***EQUITABLE RESOURCES ENERGY CO.***

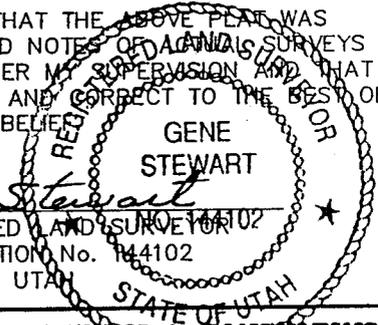
WELL LOCATION, BALCRON MONUMENT FEDERAL #41-12J, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION No. 144102  
STATE OF UTAH



**TRI STATE LAND SURVEYING & CONSULTING**

38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: S.S. J.S.

DATE: 11-8-94

WEATHER: COLD

NOTES:

FILE #41-12J

EXHIBIT "K"

Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah  
395' FNL, 476' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-44426  
PTD: 5,750' (Green River formation)  
GL: 5457.6'

Balcron Monument Federal #42-12J  
SE NE Section 12, T9S, R16E  
Duchesne County, Utah  
2550' FNL, 391' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-035521  
PTD: 5,700' (Green River formation)  
GL: 5474.4'

Balcron Monument Federal #12-14J  
SW NW Section 14, T9S, R16E  
Duchesne County, Utah  
2004' FNL, 658' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5605.2'

Balcron Monument Federal #22-14J  
SE NW Section 14, T9S, R16E  
Duchesne County, Utah  
2134' FNL, 2198' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5594.3'

Balcron Monument Federal #32-14J  
SW NE Section 14, T9S, R16E  
Duchesne County, Utah  
1980' FNL, 1980' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5572'

Balcron Monument Federal #42-14J  
SE NE Section 14, T9S, R16E  
Duchesne County, Utah  
1882' FNL, 773' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096550  
PTD: 5,650' (Green River formation)  
GL: 5604.9'

Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah  
681' FNL, 447' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-44426  
PTD: 5,700' (Green River formation)  
GL: 5343.2'

Balcron Monument Federal #12-7J  
SW NW Section 7, T9S, R17E  
Duchesne County, Utah  
1965' FNL, 620' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-44426  
PTD: 5,600' (Green River formation)  
GL: 5338.2'  
**NOTE: This location has already been built. It was formerly  
the Alta #7E location, built but not drilled.**

## EXHIBITS

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

11/2/94

# **CONFIDENTIAL**

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

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

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Jonah Unit  
Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.

- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

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

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

**SURFACE USE PROGRAM**

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Jonah Unit  
Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. **EXISTING ROADS:**

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for approximately 9.8 miles to an intersection with the Monument Butte Gas Plant/Jonah Unit road. Turn right and continue 2.5 miles to road intersection. Turn left and proceed 0.4 miles to existing #31-12 well. Follow flags 0.4 mile to location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. **PLANNED ACCESS ROADS:** See EXHIBIT "F" Maps A & B

- a. Length: Approximately 0.4 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: < 8%
- d. Turnouts: None
- e. Drainage design: Low water crossing if necessary.
- f. No culverts or bridges are necessary.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.

- i. All travel will be confined to location and access routes.
- j. All access roads and surface disturbing activities will 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 shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. This shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. If necessary prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Road drainage crossings will be of the typical dry creek draining crossing type. Crossings, if necessary, will be designed so they will not cause siltation or 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 will not be done during muddy conditions. Should mud holes develop, they will be filled in and detours around them will be avoided.

- k. If a right-of-way is needed for access, please consider this Application for Permit to Drill as the application for right-of-way.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.
- c. See EXHIBIT "J" for the Proposed Production Facility Diagram.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields.
- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".

- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the South side of the location.
- f. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the West side between corners 7 and 8.
- h. Access to the wellpad will be from the West between corners 6 and 7.
- i. All pits will be fenced according to the following minimum standards:
  - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
  - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.
  - c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16'.
  - d. All wire will be stretched before it is attached to the corner posts.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.

- j. The reserve pit will be constructed long and narrow for topographic reasons.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all trash will be removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

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

12. OTHER INFORMATION:

- a. An Archeology Survey will be provided as soon as it is completed.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil division will suspend operations in the vicinity of the discovery and immediately report the finding to the BLM District Office.
- c. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- d. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.

- e. If needed, instructions regarding a silt catchment dam being constructed will be provided for in the Conditions of Approval.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division  
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, Operations Manager      Home: (406) 248-3864  
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor      Mobile: (801) 828-7291  
Home: (801) 781-1018

14. CERTIFICATION:

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

December 19, 1994  
Date

Bobbie Schuman  
Bobbie Schuman  
Regulatory and Environmental  
Specialist  
Equitable Resources Energy  
Company, Balcron Oil Division



Equitable Resources Energy Company  
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Balcron Monument Fed. 41-12J PROSPECT/FIELD: Jonah Unit  
LOCATION: NE NE Sec.14 Twn.9S Rge.16E  
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5750

HOLE SIZE INTERVAL

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

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	K-55

(All Casing will be new, ST&C)

**CEMENT PROGRAM**

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
(Cement will be circulated to surface.)

Production 180 sacks Western Super G consisting of 47 #/sk G, 20 #/sk Poz A, 17 #/sk CSE, 3% salt, 2% gel, and 2 #/sk Hi-Seal. (Yield=2.76 Cu.Ft./Sk Weight=11.08 PPG) Tailed with 300 sacks 50-50 Poz with 2% gel, 1/4 #/sk Cello-seal and 2 #/sk Hi-seal. Yield=1.24 Cu.Ft./Sk Weight=14.30 PPG)  
a.) Actual cement volume will be determined from caliper log.  
b.) Actual cement top will be specified in conditions of approval.

**PRELIMINARY  
DRILLING FLUID PROGRAM**

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

Depending on the drilling contractor either:  
a.) Drilling will be with air and air mist from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.  
b.) Drilling will be done using 2% KCl water and gel.

**COMMENTS**

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

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed.41-12J
Project ID:	Location: Duchesne/Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2054 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	5,750	5-1/2"	15.50	K-55	ST&C	5,750	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2629	4040	1.537	2629	4810	1.83	89.13	222	2.49 J

Prepared by : McCoskery, Billings, MT  
 Date : 12-16-1994  
 Remarks :

Minimum segment length for the 5,750 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,629 psi, respectively.

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

EXHIBIT E

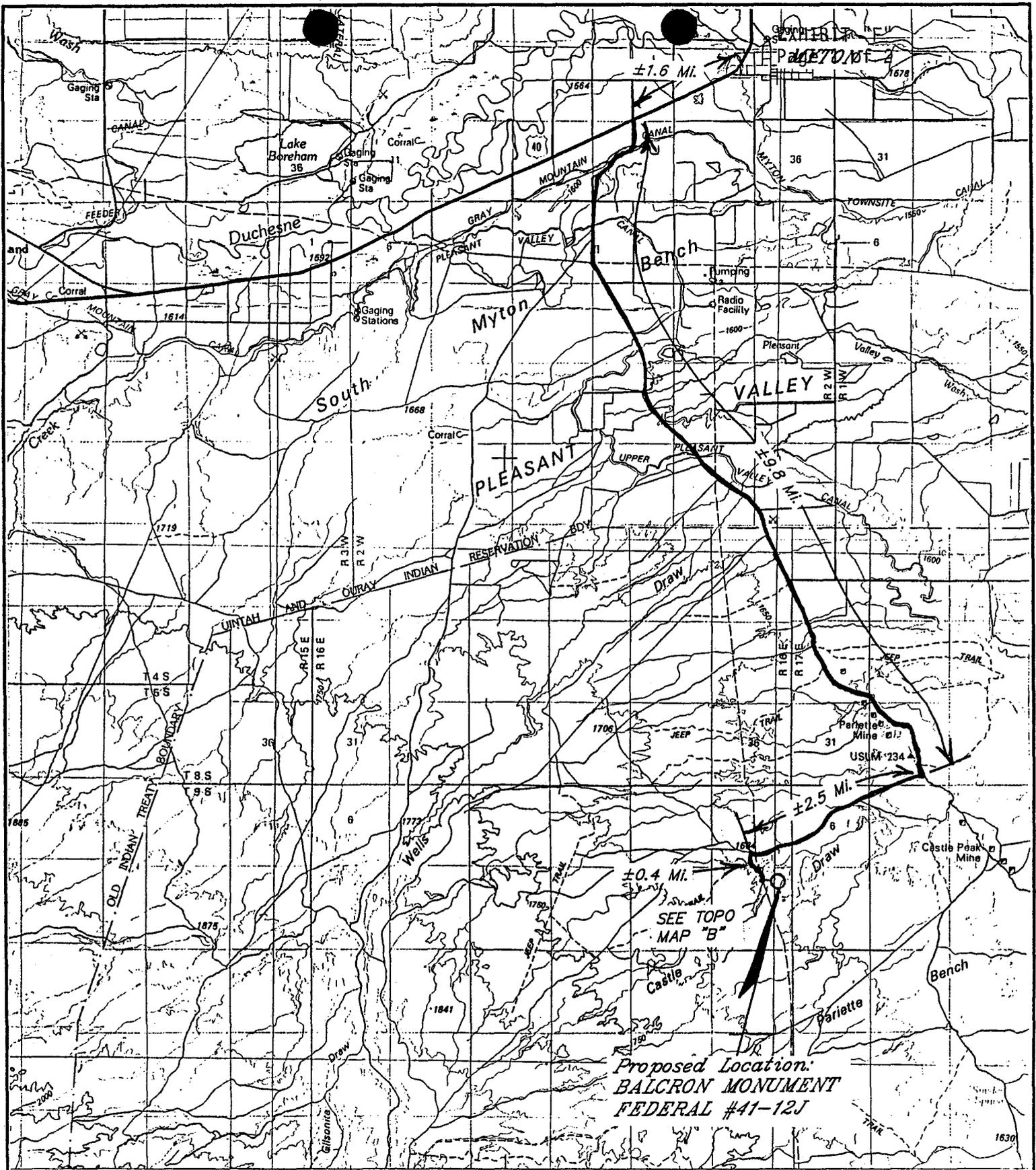
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

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

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

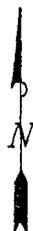
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93  
Revised 12/7/93  
/rs

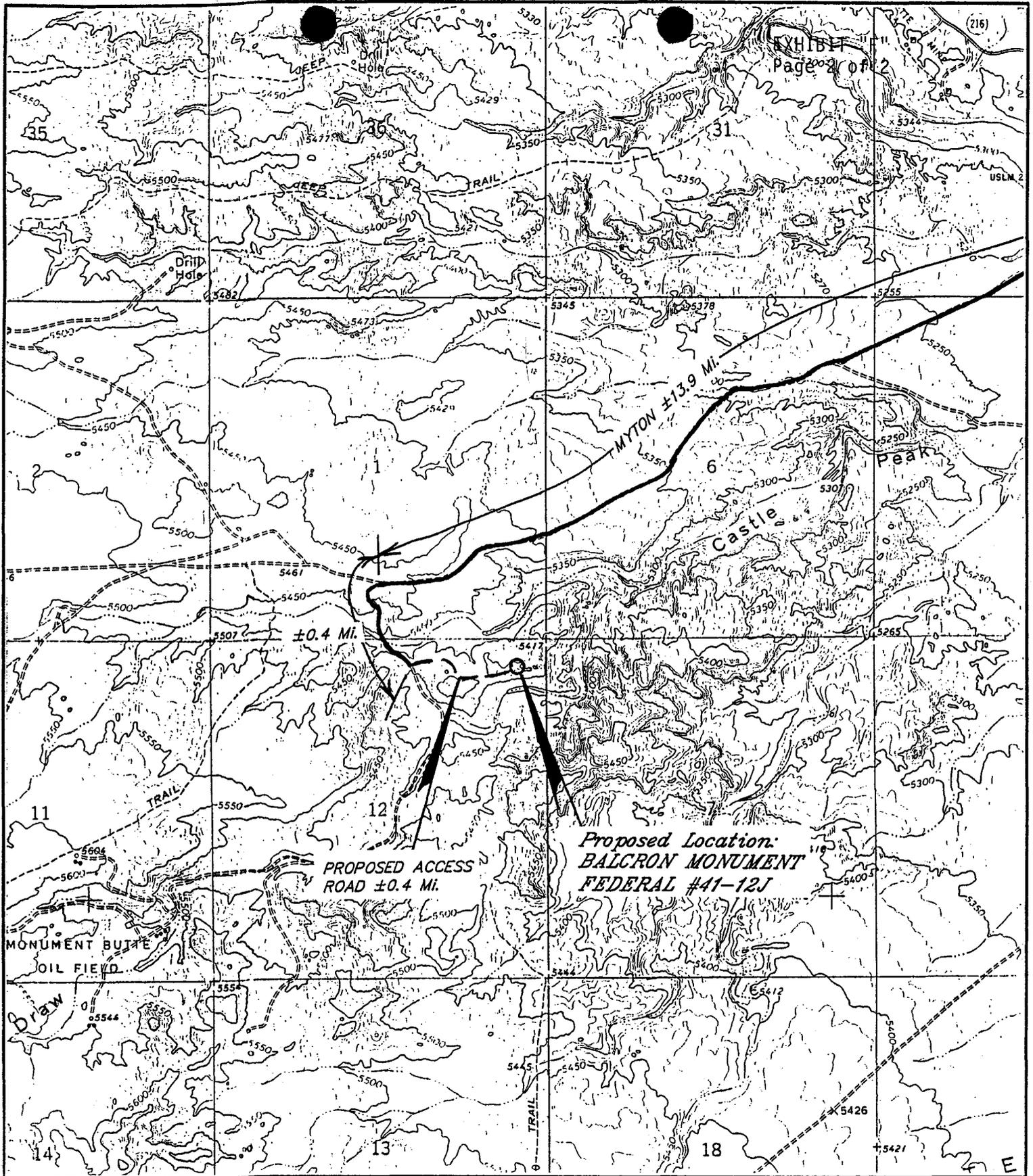


**EQUITABLE RESOURCES CO.**

BALCRON MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.  
TOPO "A"



**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078



USLM 2

*Proposed Location:  
BALCRON MONUMENT  
FEDERAL #41-12J*

**EQUITABLE RESOURCES CO.**

BALCRON MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.  
TOPO "B"

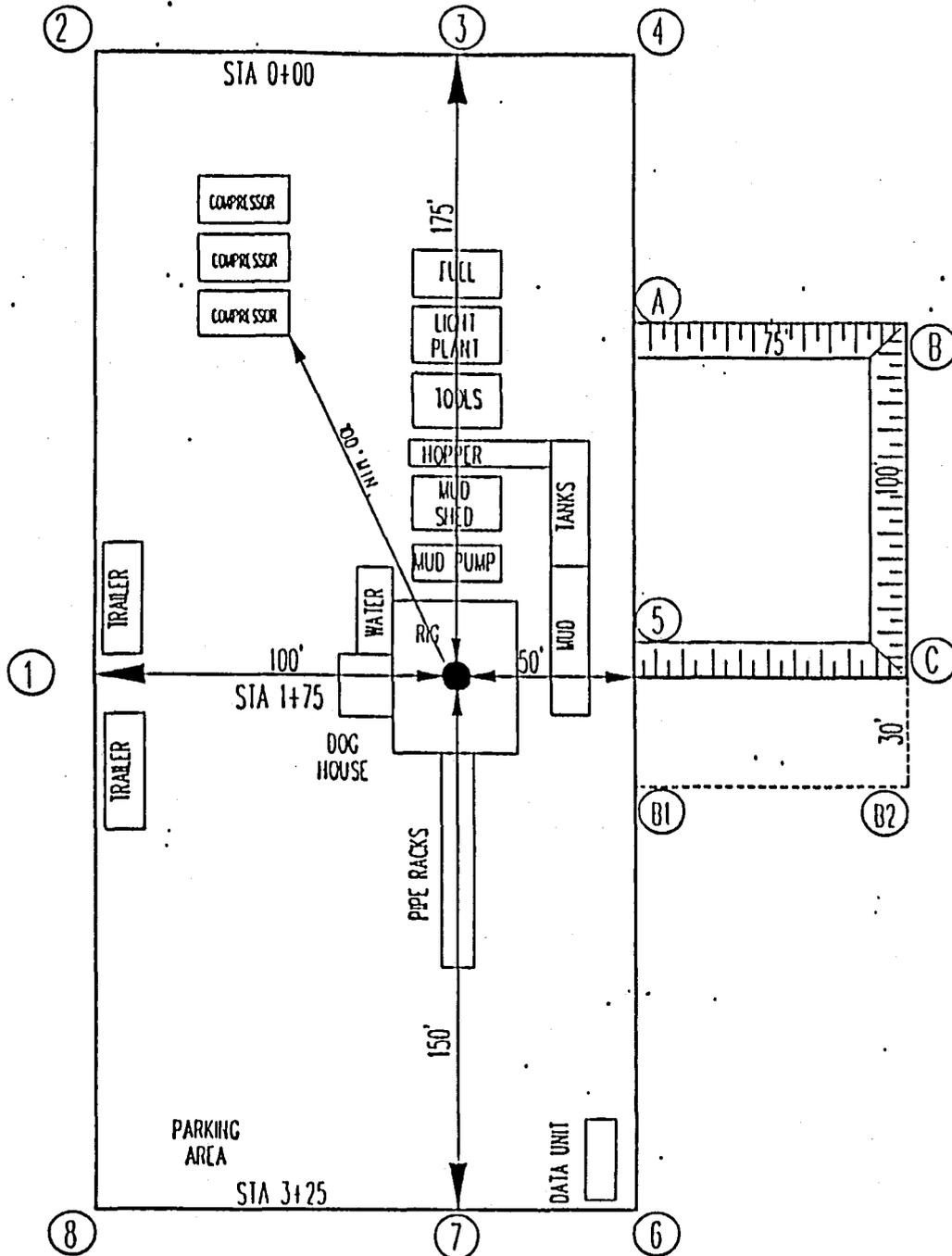


SCALE: 1" = 2000'

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



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

UNION DRILLING RIG #17

Hex Kelly

Rotating Head

Adj. Choke

Air Bowl

7" Flowline

#3000  
Blind Ram - Pipe Ram

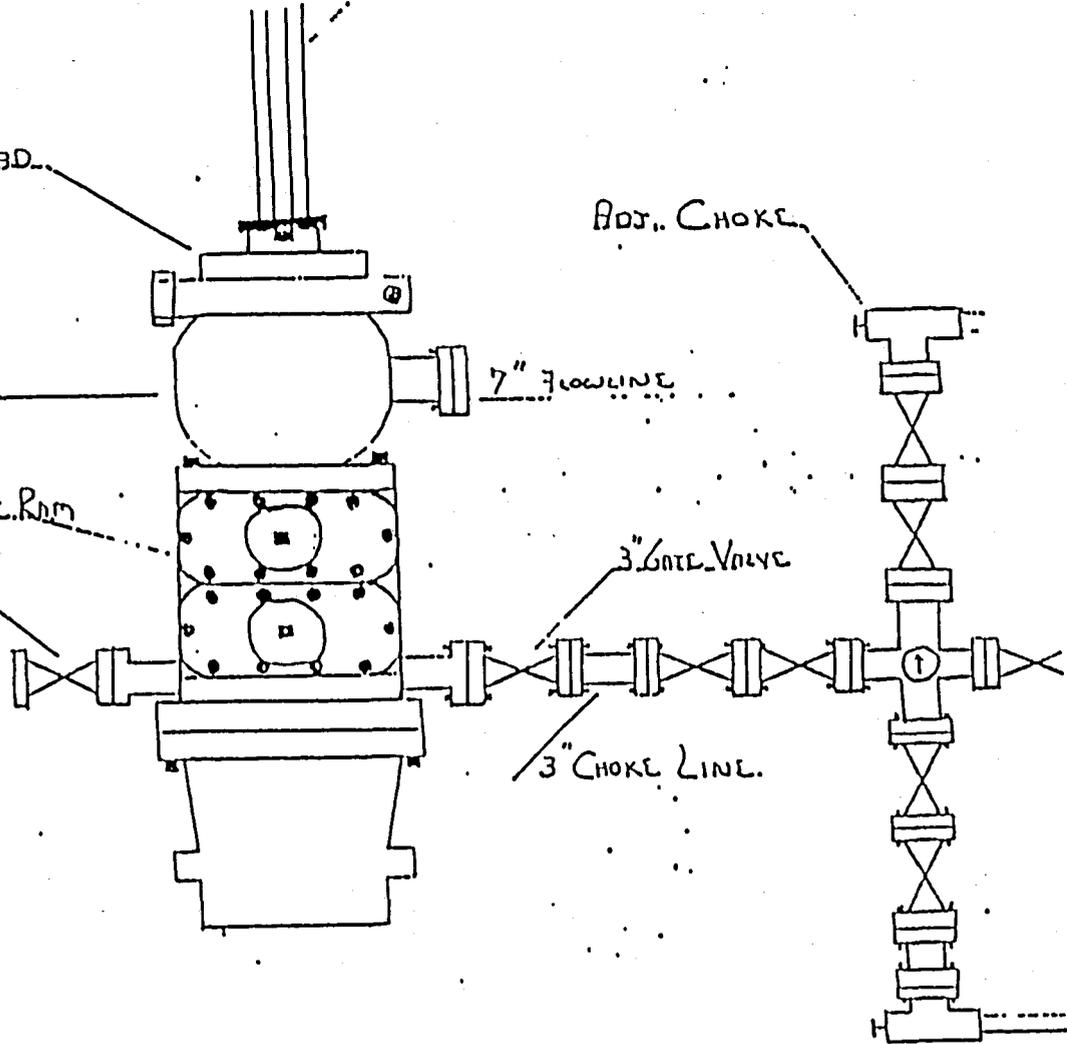
3" Gate Valve

3" Gate Valve

3" Choke Line

Adj. Choke

#3000 Stack





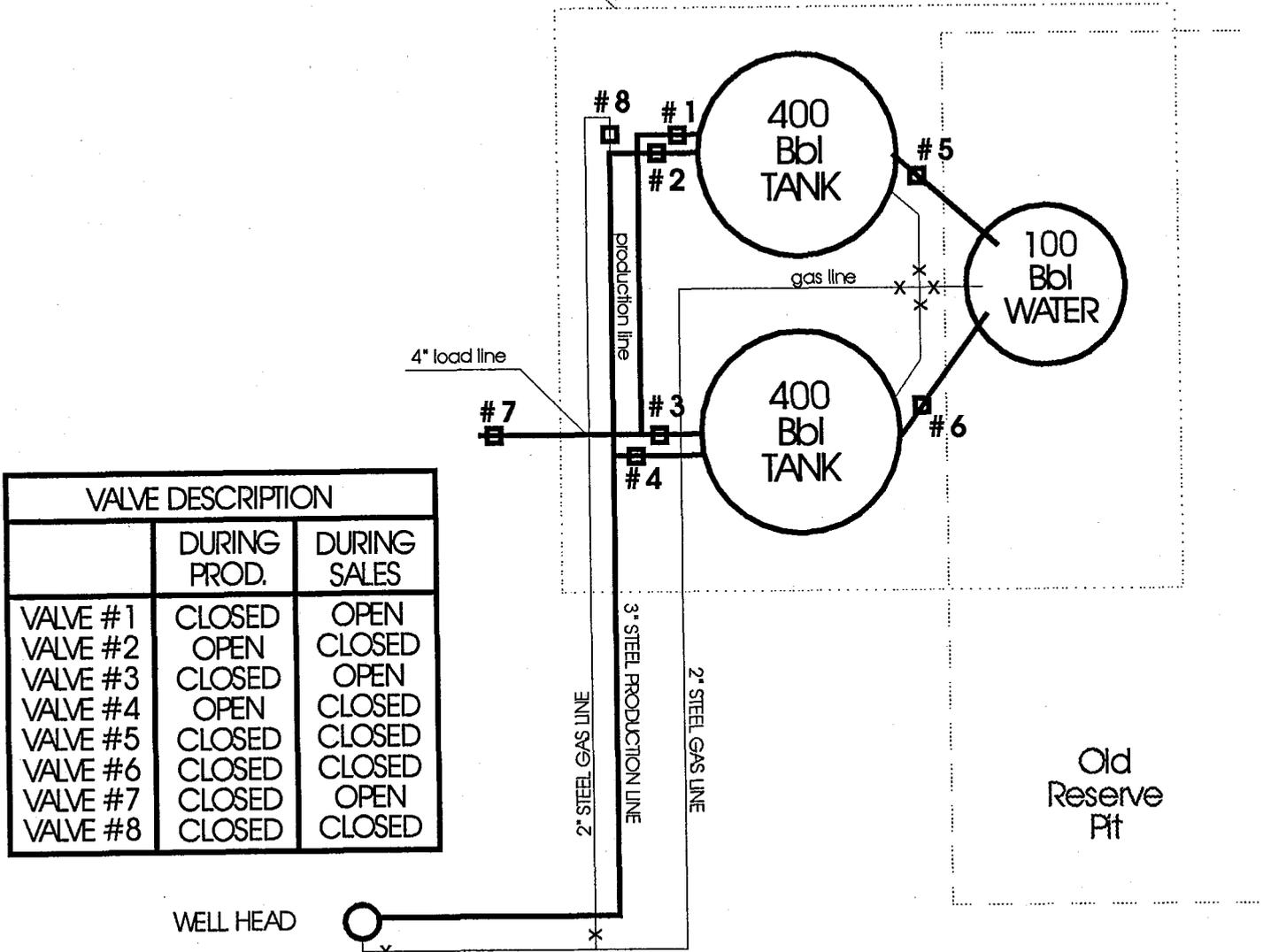
Equitable Resources Energy Company  
 Balcron Monument Federal 41-12J  
 Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 41-12J  
 NE NE Sec. 12, T9S, R16E  
 Duchesne County, Utah  
 Federal Lease #U-44426  
 395' FNL, 476' FEL



DIKE



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

Old Reserve Pit

WELL HEAD

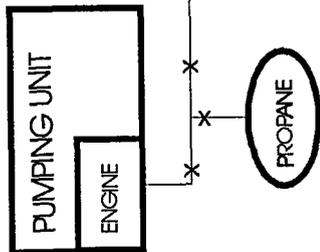
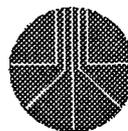


DIAGRAM NOT TO SCALE

ACCESS ROAD



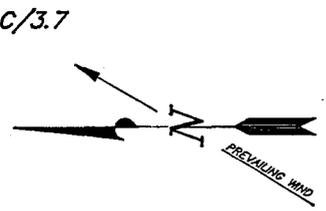
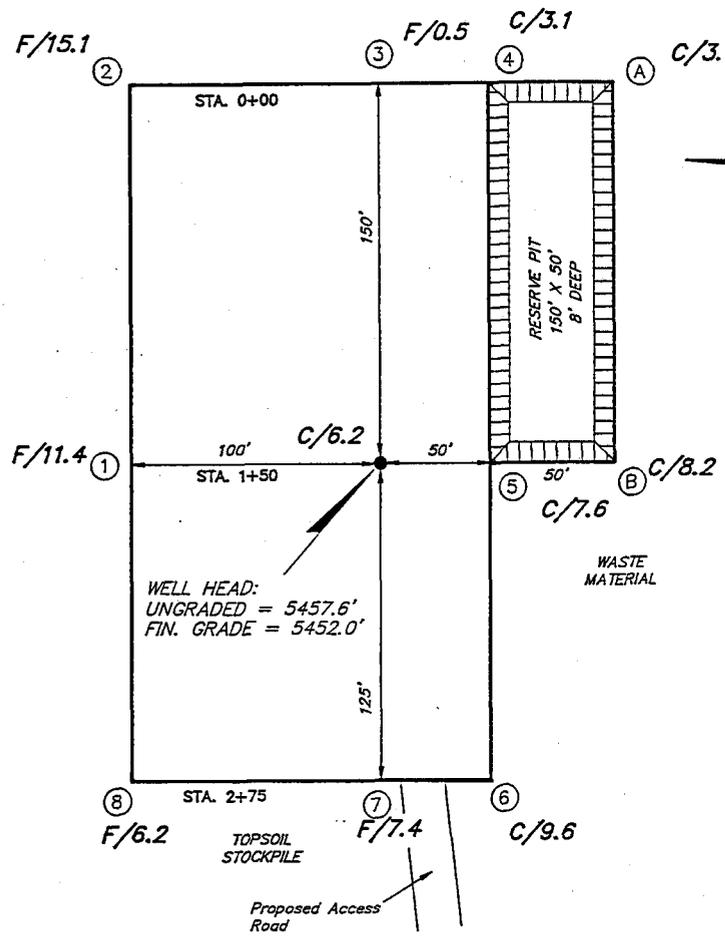
**EQUITABLE RESOURCES ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
 P.O. Box 21017  
 Billings, MT 59104-1017  
 (406) 259-7860

**EQUITABLE RESOURCES ENERGY CO.**

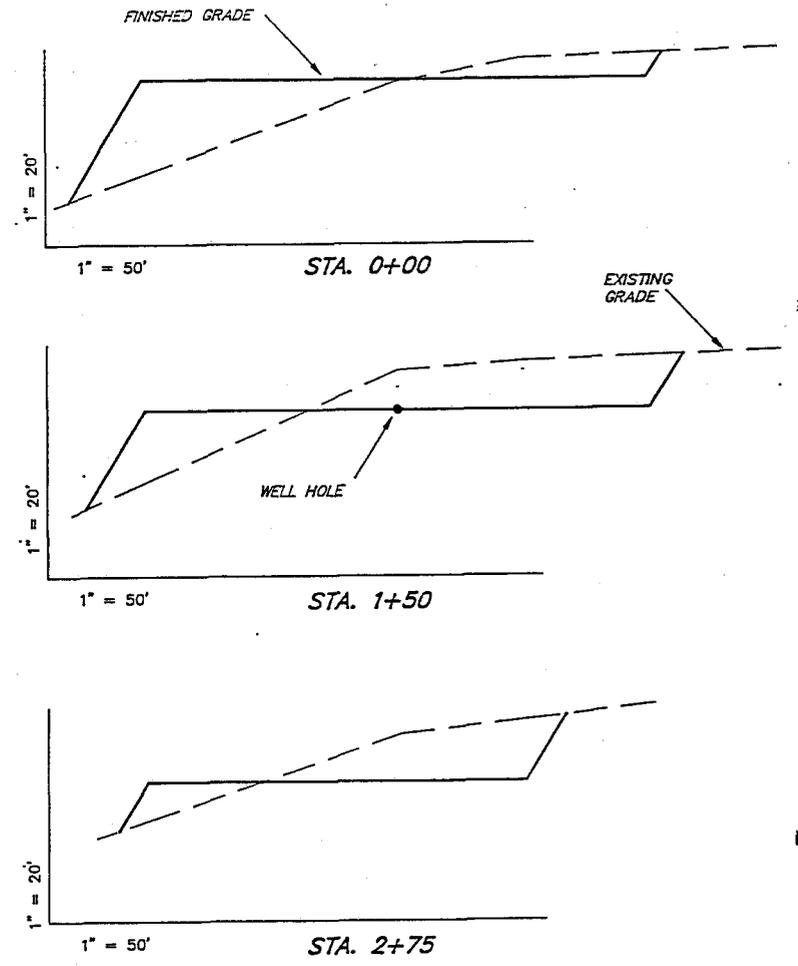
**BALCRON MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.**



SCALE: 1" = 50'

**REFERENCE POINTS**  
150' NORTHEAST 5469.86'  
190' NORTHEAST 5471.54'

**APPROXIMATE YARDAGES**  
CUT = 6020 Cu. Yds.  
FILL = 5998 Cu. Yds.  
PIT = 2,710 Cu. Yds.  
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. J.S.
DRAWN BY: R.E.H.
DATE: 11-8-94
SCALE: 1" = 50'
FILE: 41-12J

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

EXHIBIT "L"

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/20/94

API NO. ASSIGNED: 43-013-31487

WELL NAME: BALCRON MONUMENT FED 41-12J  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
NENE 12 - T09S - R16E  
SURFACE: 0305-FNL-0476-FEL  
BOTTOM: 0305-FNL-0476-FEL  
DUCHESNE COUNTY <sup>709 437</sup>  
MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
LEASE NUMBER: U-44426

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat  
 Bond: Federal  State  Fee   
 (Number 5547188)  
 Potash (Y/N)  
 Oil shale (Y/N)  
 Water permit  
 (Number PRIVATE WELL)  
 RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

R649-2-3. Unit: UTU72086A  
 R649-3-2. General.  
 R649-3-3. Exception.  
 Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 8-28-96

T 8 S

T 9 S

ABLE RESOURCES ENERGY  
ON MONUMENT BUTTE  
H UNIT WATERFLOOD  
ESNE COUNTY T9S, R 16 & 17 E

41-12J

● 11-7J

42-12J

● 12-7J

● 12-14J

● 22-14J

● 32-14J

● 42-14J

R 16 E

R 17 E

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

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

Well Name: MONUMENT FEDERAL #41-12J API Number: 43-013-31487

Section: 12 Township: 9S Range: 16E County: DUCHESNE Field: MON BUTTE

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

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

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

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

Heater Treater(s): (1)

**PUMPS:**

Triplex:      Chemical:      Centrifugal: (1)

**LIFT METHOD:**

Pumpjack: YES Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter: NO Sales Meter: NO

**TANKS:**

NUMBER

SIZE

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

Water Tank(s):           BBLs

Power Water Tank:           BBLs

Condensate Tank(s):           BBLs

Propane Tank: (1)

**Central Battery Location: (IF APPLICABLE)**

Qtr/Qtr:      Section:      Township:      Range:     

REMARKS: CENTRIFUGAL IS FOR HEAT TRACE SYSTEM. GLYCOL IS HEATED BY ENGINE

MUFFLER. NO GAS LINES OR METERS AT PRESENT TIME. NO WATER TANK YET.

Inspector: DENNIS L. INGRAM Date: 8/15/95

# EQUITABLE RESOURCES ENERGY

BALCRON Mon. FED. # 41-12J

NE/NE Sec. 12; T95; R16E

POW

U-44426

8/15/95

*[Signature]*

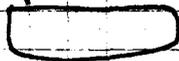
↑ North West

ENTER  
HERE

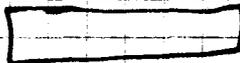
Reserve

Pit

Propane



treater

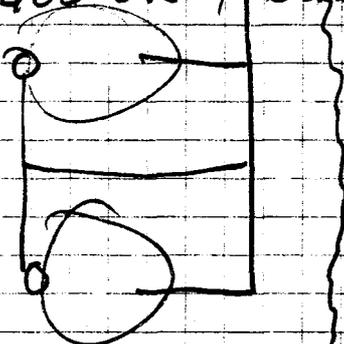


WELL HEAD



Pump  
Jack

2-400 oil w/ Burners



Berm AREA

BALCRON OIL

43-013-31487

Balcron Monument Federal #41-12J

NE NE Section 12, T9S, R16E, SLB&M

Duchesne County, Utah

**CONFIDENTIAL**

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

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

DECEMBER 29, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #41-12J, NE, NE,  
Section 12, T9S, R16E, SLB&R, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography-

This well location is approximately 10 miles south of Myton, Utah. It is located on a ridge about 1/8 mile south of Castle Peak Draw. The proposed access road leaves an existing location and runs east along the north side of the ridge, then southeast up a small draw to a saddle on the ridge. It then travels east along the south side to the ridge top and wellpad. The ridge is composed of interbedded layers mudstone and sandstone. The ridge is capped in places with a rusty colored sandy limestone present as a cap stone at other places in the area. The lighter colored sandstone lenses are ancient stream channels. The mudstones are possibly delta or mudflat deposits. The sandy limestone is likely lake sediments.

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

Paleontological material found -

No vertebrate fossils were found on the proposed road or wellpad.

Recommendations-

No recommendations are made for this location.

Alden H. Hamblin

Date December 29, 1994



ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of ten proposed well locations and access routes (Balcron Monument Federal wells #42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 34-25, 43-26 and 14-26). These evaluated locations are situated on federally administered lands located in the Monument Buttes and Pleasant Valley localities of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 135.15 acres, of which 100 acres are associated with the well pads and an additional 35.15 acres are associated with access road rights-of-way. One additional well included in this report, (Monument Federal 12-7J) was previously inventoried in a forty acre intensive zone (inventory #013-163, Vernal BLM). The well pad and access road for that location have already been constructed. These evaluations were conducted by F.R. Hauck and Glade Hadden of AERC on December 15 and 20, 1994.

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

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

Two isolated artifacts were noted during the investigations. An isolated Rose Spring style projectile point (Isolate 1461G/X1, see Figure 1) was recovered from the disturbance zone of well # 43-26 (see Map 3). A non-diagnostic biface chopping tool was discovered but not collected near the well pad for well # 42-12J. This tool is similar in appearance to others found in the area (Hauck and Hadden 1994d).

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

**CULTURAL RESOURCE EVALUATION  
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES  
IN THE MONUMENT BUTTES AND  
PLEASANT VALLEY LOCALITIES  
OF DUCHESNE & UINTAH COUNTIES, UTAH**

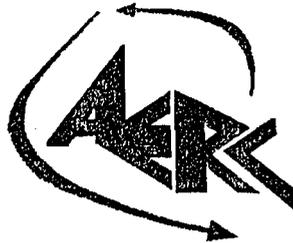
**Report Prepared for Balcron Oil Company**

**Dept. of Interior Permit No.: UT-94-54937  
AERC Project 1461 (BLCR-94-11)**

**Utah State Project No.: UT-94-AF-775b**

**Principal Investigator  
F. Richard Hauck, Ph.D.**

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



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

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

**December 30, 1994**

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FIGURE 1: Isolate 1461G/x1 . . . . .	9

## GENERAL INFORMATION

On December 15 and 20, 1994, AERC archaeologists F.R. Hauck and Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved ten proposed well locations and associated access roads (Balcron Monument Federal Units 42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 14-26, 34-25, 43-26 and 14-26), and an additional well (Balcron Monument Federal 12-7J which has been constructed and previously inventoried in a forty acre intensive survey zone (inventory 013-163, Vernal BLM). The project area is in the Monument Buttes and Pleasant Valley localities south east of Myton, Utah (see Map 1). Some 135.15 acres were examined which include 100 acres associated with the well pads and some 35.15 acres associated with the access routes, all of which are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

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 and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Monument Buttes locality of Duchesne County, and the Pleasant Valley locality of Uintah County. All of the evaluated wells and access routes are situated on the Myton SE and Pariette Draw SW 7.5 minute topographic quads (see Maps).

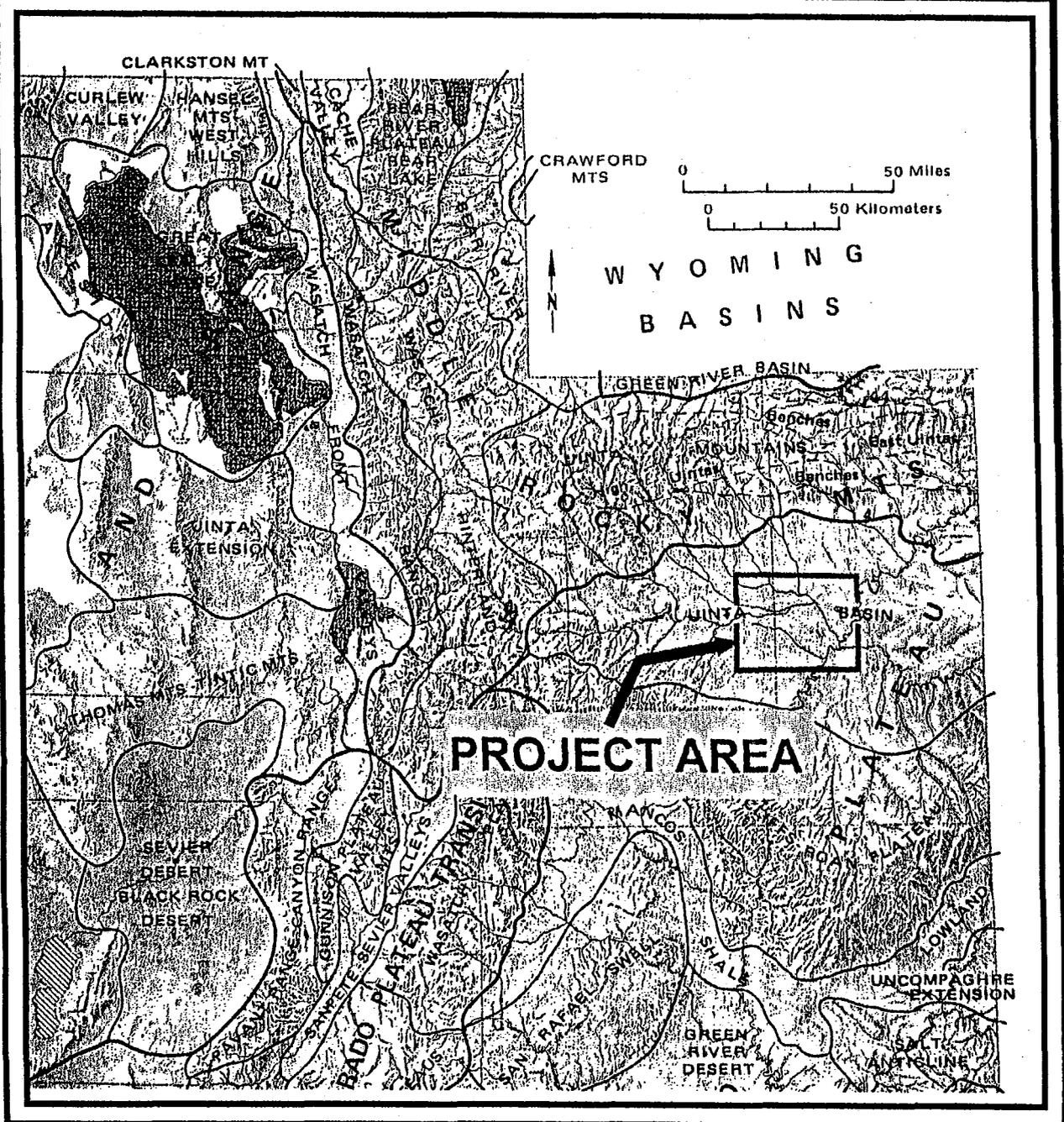
Balcron Monument Federal #11-7J is situated in the NW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #12-7J is situated in the SW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM (see Map 2).

Balcron Monument Federal #41-12J is situated in the NE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.4 miles of access route (see Map 2).

**MAP 1: GENERAL BALCRON PROJECT  
LOCALITY IN DUCHESNE AND UINTAH  
COUNTIES OF NORTHWESTERN UTAH**

**PROJECT: BLCR-94 - 11**  
**SCALE: see below**  
**QUAD: UG & MS Map 43**  
**DATE: 12-30-94**



**UTAH**

**T. multiple**

**R. multiple**

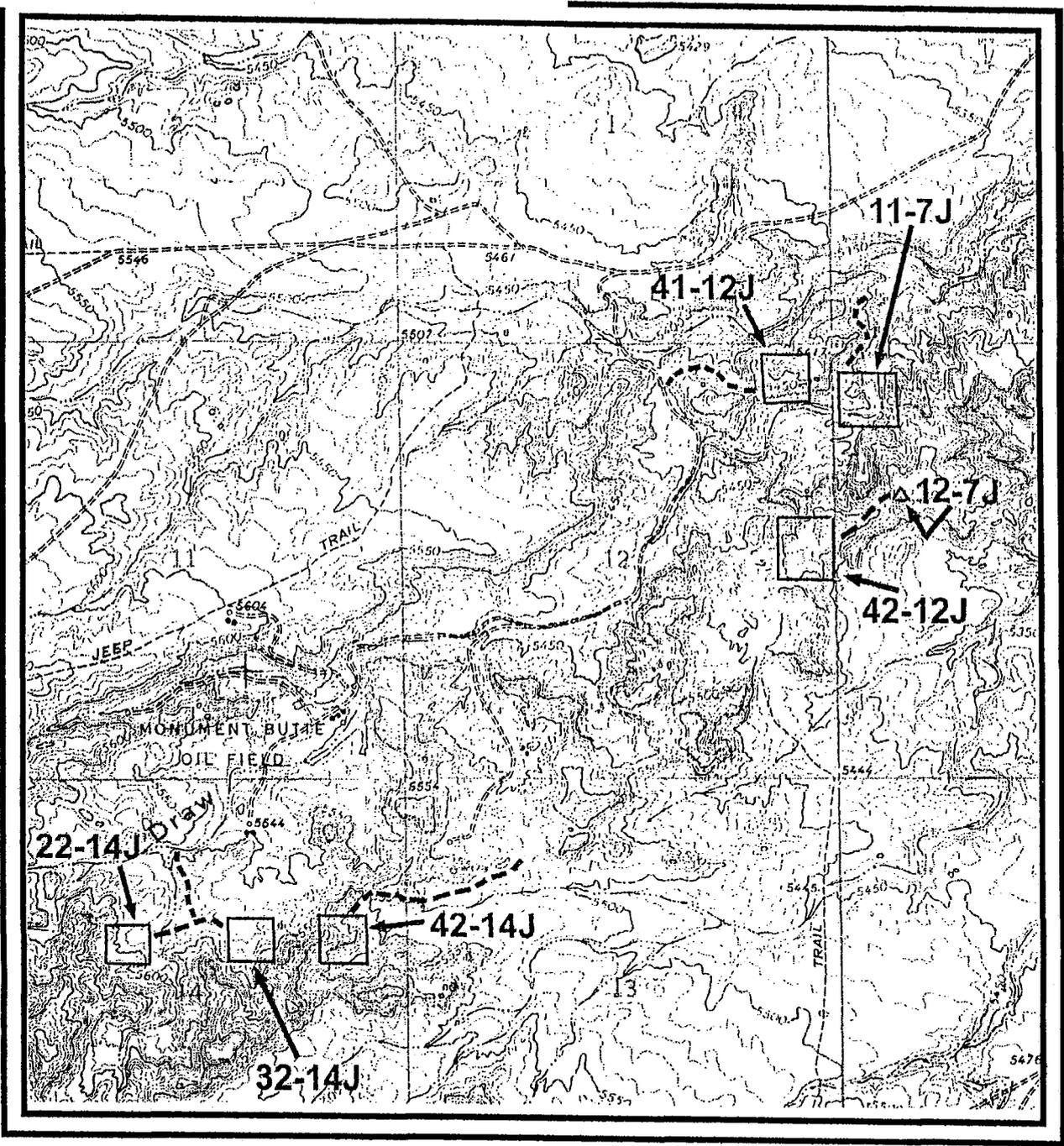
**Meridian: Salt Lake B & M**

**(After PHYSIOGRAPHIC SUBDIVISIONS  
OF UTAH by W.L. Stokes)**

**MAP 2: CULTURAL RESOURCE SURVEY  
 OF BALCRON UNITS 11-7J, 12-7J,  
 22-14J, 32-14J, 41-12J, 42-12J, and  
 42-14J IN THE  
 MONUMENT BUTTES LOCALITY OF  
 DUCHESNE COUNTY, UTAH**



**PROJECT:** BLCR - 94 - 11  
**SCALE:** 1: 24,000  
**QUAD:** Myton SE, Utah  
**DATE:** 12 - 30 - 94

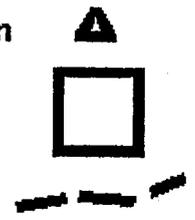


**LEGEND:**



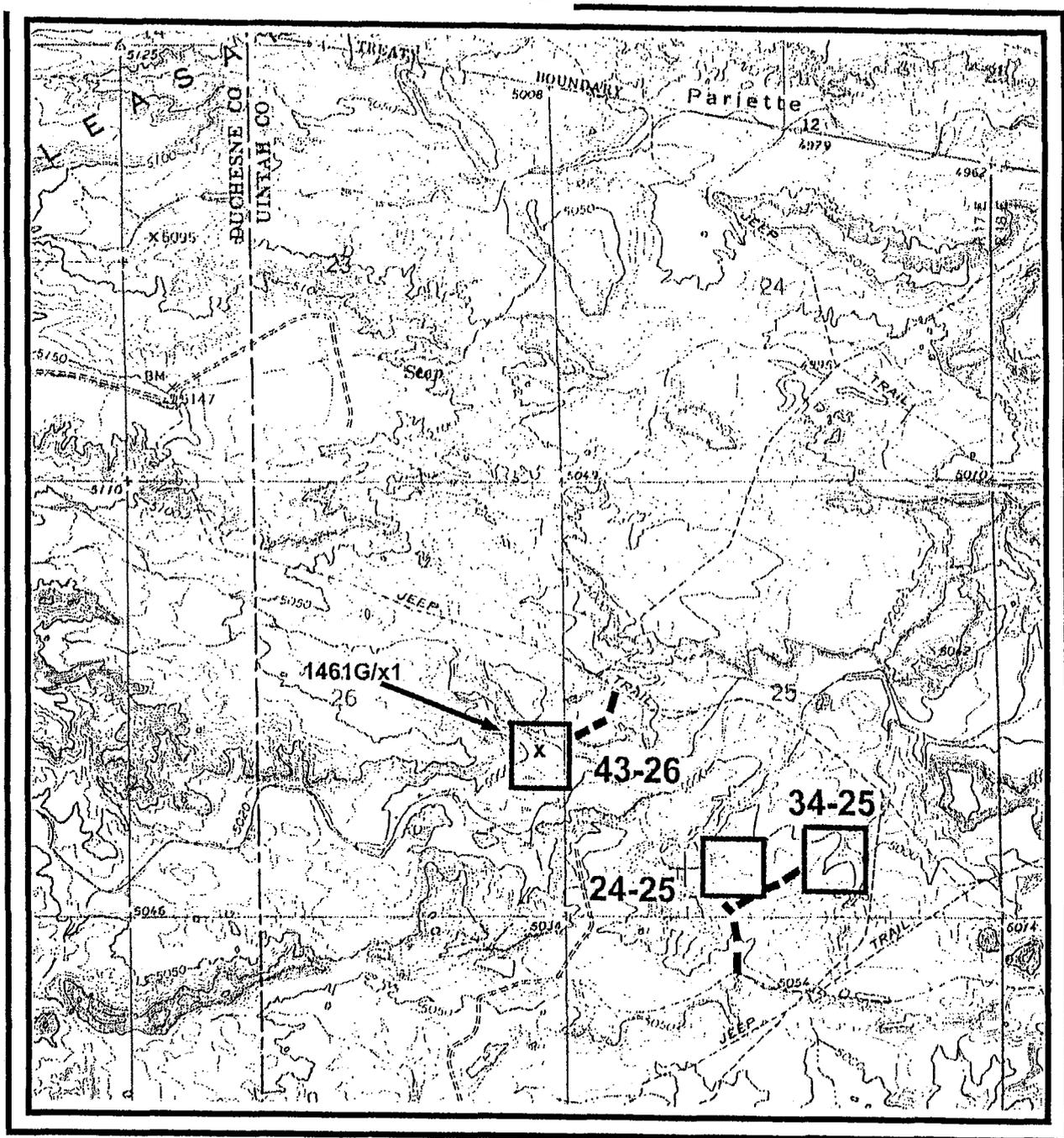
**T. 9 South**  
**R. 16 East**  
**Meridian: Salt Lake B & M**

**Existing Well Location**  
**Survey Plot**  
**Access Route**

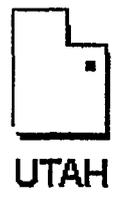


**MAP 3: CULTURAL RESOURCE SURVEY  
 OF BALCRON UNITS 24-25, 34-25, and  
 43-26 IN THE PLEASANT VALLEY  
 LOCALITY OF UINTAH COUNTY, UTAH**

**PROJECT: BLCR-94-11**  
**SCALE: 1:24,000**  
**QUAD: Pariette Draw SW, Utah**  
**DATE: 12-30-94**

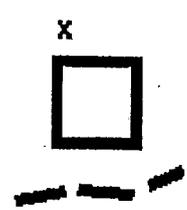


**LEGEND:**



**T. 8 South**  
**R. 17 East**  
**Meridian: Salt Lake B & M**

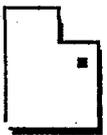
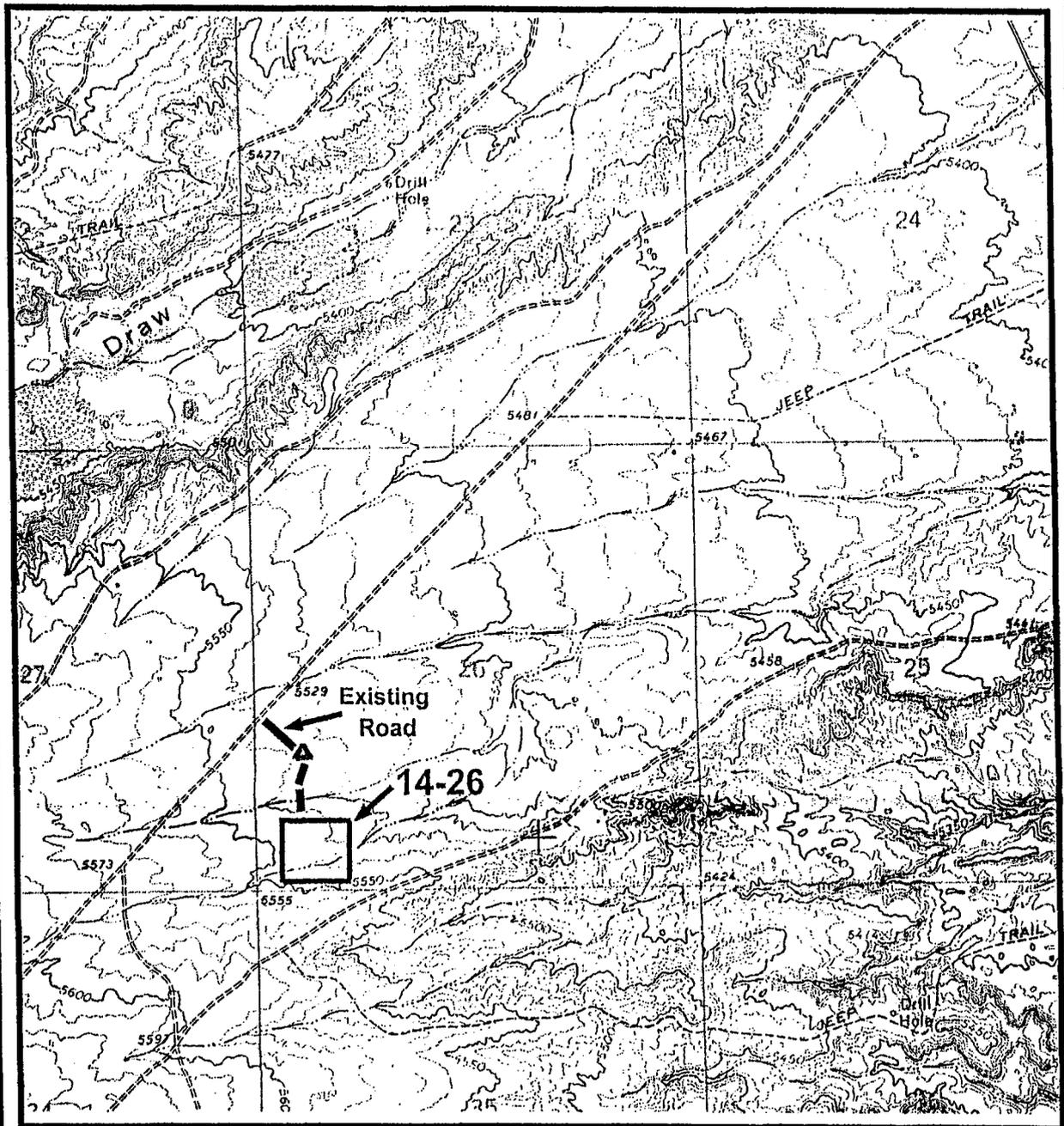
**Isolated Artifact**  
**Survey Plot**  
**Access Route**



**MAP 4: CULTURAL RESOURCE SURVEY  
OF BALCRON UNIT 14-26 IN THE  
MONUMENT BUTTES LOCALITY OF  
DUCHESE COUNTY, UTAH**



**PROJECT: BLCR-94-11  
SCALE: 1:24,000  
QUAD: Myton SE, Utah  
DATE: 12-30-94**



**UTAH**

**T. 8 South**

**R. 16 East**

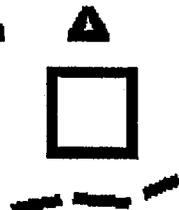
**Meridian: Salt Lake B & M**

**LEGEND:**

**Existing Well Location**

**Survey Plot**

**Access Route**



Balcron Monument Federal #42-12J is situated in the SE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #22-14J is situated in the SE quarter of the NW quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.1 miles of access route (see Map 2).

Balcron Monument Federal #32-14J is situated in the SW quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. .03 miles of access route (see Map 2).

Balcron Monument Federal #42-14J is situated in the SE quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.6 miles of access route (see Map 2).

Balcron Monument Federal #24-25 is situated in the SE quarter of the SW quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.1 miles of access route (see Map 3).

Balcron Monument Federal #34-25 is situated in the SW quarter of the SE quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.4 miles of access route (see Map 3).

Balcron Monument Federal #43-26 is situated in the NE quarter of the SE quarter of Section 26, Township 8 South, Range 17 East SLBM, together with ca. 0.2 miles of access route (see Map 3).

Balcron Monument Federal #14-26 is situated in the SW quarter of the SW quarter of Section 26, Township 8 South, Range 16 East SLBM, together with ca. 0.2 miles of access route (see Map 4).

### Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

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

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

## PREVIOUS RESEARCH IN THE LOCALITY

### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on December 19, 1994. A similar search was conducted in the Vernal District Office of the BLM on December 15, 1994. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw/ Eight Mile Flat/ Pariette Draw localities. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989).

### Prehistory and History of the Cultural Region

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

### Site Potential in the Project Development Zone

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

horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. Access routes are evaluated by the archaeologists walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 35.15 acres) was examined for the various proposed access roads, in addition to the 100 acres inventoried on the well pads.

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.

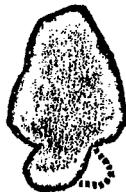
In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

### Results of the Inventory

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

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

One diagnostic isolated artifact was collected during the evaluation. Isolate 1461G/x1 is a Rose Spring style projectile point (see Figure 1) collected from the disturbance zone of well # 43-26 (see Map 3). A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus. A single non-diagnostic tool was noted in the area of well 42-12J. This tool was a simple chopper constructed by bifacially removing several flakes from one end of a hand-sized cobble. The occurrence of this tool fits a previously noted pattern (Hauck and Hadden 1994d), and may be related to the ambush hunting and subsequent butchering of large game animals, possibly during the Archaic period. A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus.



**FIGURE 1**  
**Isolate 1461G/x1**  
**(Actual Size)**

## CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

1. 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;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



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

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- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

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- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, ( Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
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- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

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

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil

Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

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Stokes, W. L.

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BALCRON OIL  
Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E, SLB&M  
Duchesne County, Utah

PALEONTOLOGY REPORT  
SECOND WELLPAD LOCATION AND ACCESS ROAD

BY

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

MARCH 4, 1995

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #41-12J, (SECOND LOCATION AND ROAD) NE, NE, Section 12, T9S, R16E, SLB&R, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography-

This well location is approximately 10 miles south of Myton, Utah. It is located on a ridge about 1/8 mile south of Castle Peak Draw. The proposed new access road follows the same route as the proposed access road to #11-7J and then branches off to the west to the new location for #41-12J. The new location sits on a small terrace on the north side of the ridge. The ridge is composed of interbedded layers mudstone and sandstone and is capped in places with a rusty colored sandy limestone. Lighter colored sandstone lenses are ancient stream channels. The mudstones are possibly delta or mudflat deposits. The sandy limestone is likely lake sediments.

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

Paleontological material found -

The first part of the new access road had been surveyed earlier with the survey for #11-7J. Only the new portion of the road was surveyed. The new wellpad location was also surveyed.

No vertebrate fossils were found on the proposed road or wellpad.

Recommendations-

No recommendations are made for this location.

Allen H. Humblin Date March 5, 1995

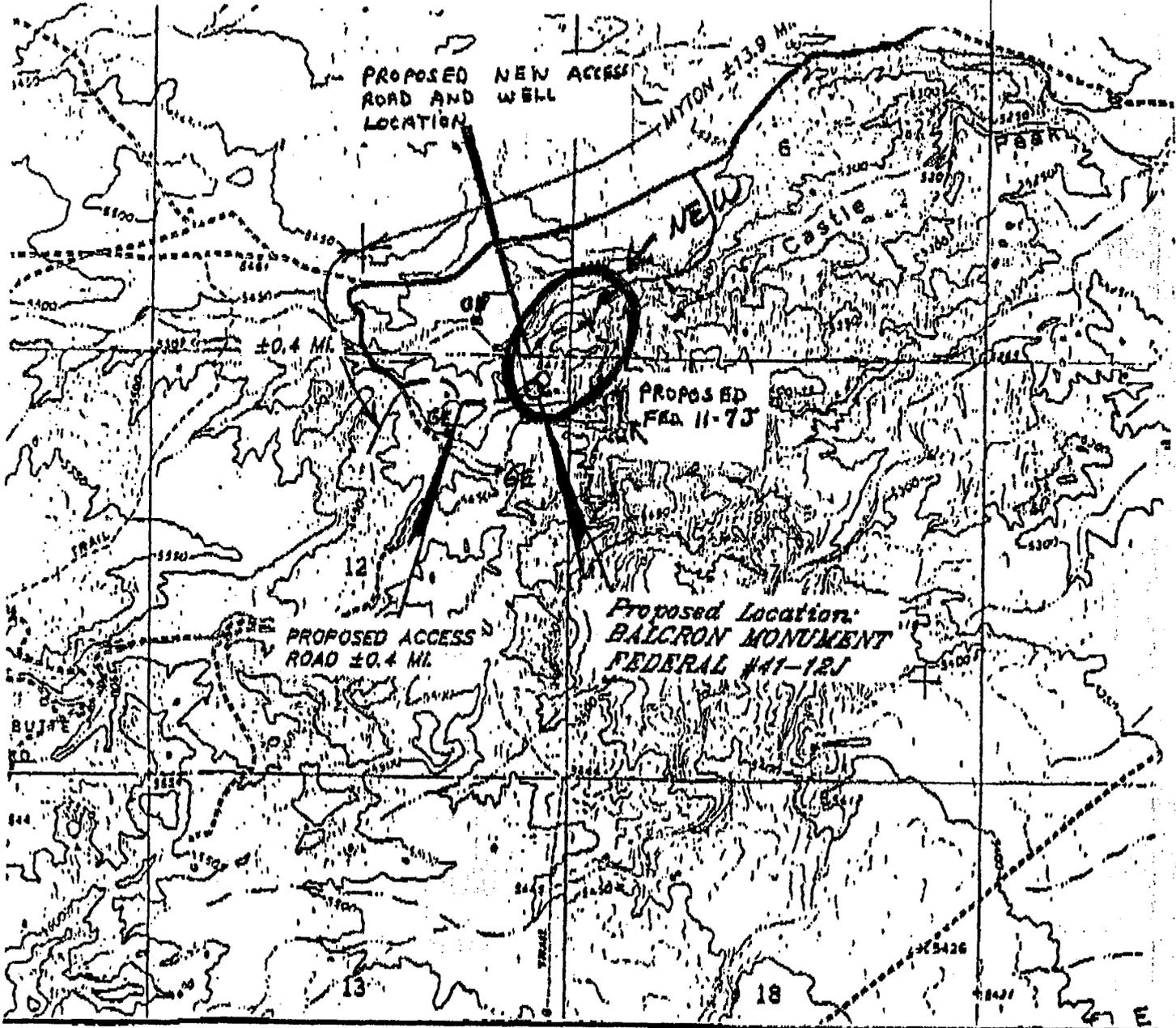
Based on the field inspections, adoption of the COA's, UDWR and Mariah Assoc. Inc surveys, and review of existing District files, it is my opinion that a no affect situation exists. Therefore, the proposed action as shown on the attached map, would be cleared from a special status animal species perspective.

Tom Dabbs

Tom Dabbs, Wildlife Biologist  
Bureau of Land Management  
Diamond Mountain Resource Area

2-6-95

Date



EQUITABLE RESOURCES CO.

BALCONES MONUMENT FEDERAL #41-12J  
SECTION 12, T9S, R16E, S.L.B.&M.  
TOPO "B"

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501

**CULTURAL RESOURCE EVALUATION  
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES  
IN THE MONUMENT BUTTES LOCALITY  
OF DUCHESNE COUNTY, UTAH**

**Report Prepared for Balcron Oil Company**

**Dept. of Interior Permit No.: UT-95-54937  
AERC Project 1465 & 1471 (BLCR-95-1 & 2)**

**Utah State Project No.: UT-95-AF-065b**

**Principal Investigator  
F. Richard Hauck, Ph.D.**

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



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

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Bountiful, Utah 84011-0853**

**March 6, 1995**

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of two proposed well locations and three access routes (Balcron Monument Federal Units 42-14J and 12-14J and a new access into Unit 41-12J). These evaluated locations are situated on federally administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 32 acres, of which 20 acres are associated with the two ten acre well locations and an additional 12 acres are associated with three access road rights-of-way. These evaluations were conducted by Glade Hadden of AERC on March 2, 1995.

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

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

No isolated artifacts were noted during the investigation.

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

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## GENERAL INFORMATION

On March 2, 1995, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved two proposed well locations and their associated access roads (Balcron Monument Federal Units 12-14J and 42-14J), and an additional newly flagged access route into Balcron Monument Federal 41-12J. The project area is in the Monument Buttes locality south east of Myton, Utah (see Map 1). Some 32 acres were examined which include 20 acres associated with the two 10 acre well pads and some 12 acres associated with the three access routes, all of which are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

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 and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Monument Buttes locality of Duchesne County. All of the evaluated wells and access routes are situated on the Myton SE 7.5 minute topographic quad (see Map 2).

Balcron Monument Federal 12-14J is situated in the SW quarter of the NW quarter of Section 14 Township 9 South, Range 16 East SLBM, together with ca. .20 miles of access route (see Map 2).

Balcron Monument Federal 42-14J is situated in the SE quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM (see Map 2). The ten acre survey plot extends to the east into adjacent Section 13. Its .10 mile-long access route originates in the NW quarter of Section 13 in association with a previously evaluated access corridor into the original location for Unit 42-14J (Hauck and Hadden 1994e).

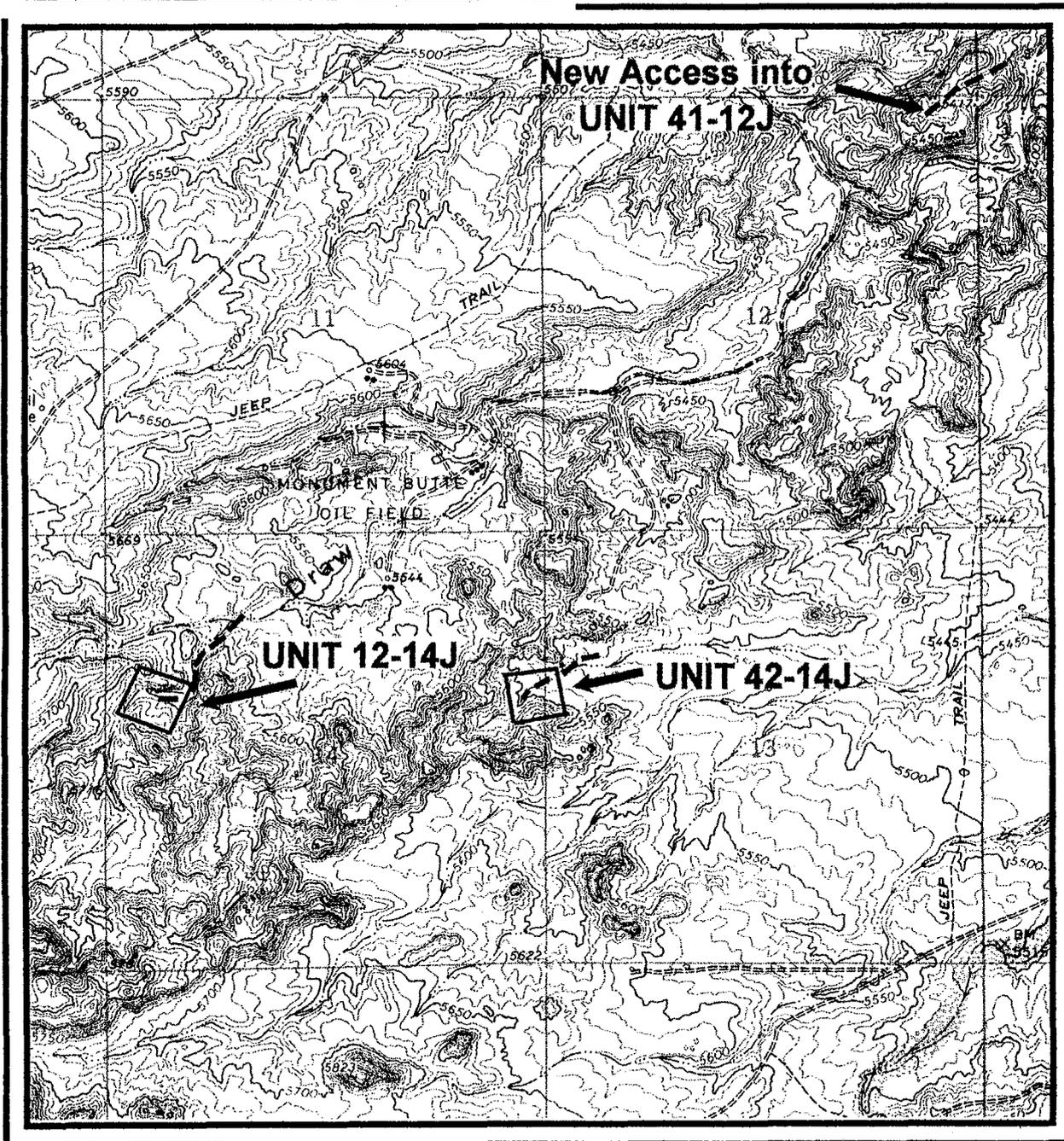
The .20 mile-long newly evaluated access route into Balcron Monument Federal Unit 41-12J is situated in the NE quarter of the NE quarter of Section 12 and in the SE of the SE



**MAP 2: CULTURAL RESOURCE SURVEY  
 OF PROPOSED BALCRON UNITS 12-14J,  
 42-14J & NEW ACCESS INTO 41-12J IN  
 THE CASTLE PEAK DRAW  
 LOCALITY OF DUCHESNE COUNTY, UTAH**



**PROJECT:** BLCR - 95 - 1 & 2  
**SCALE:** 1:24,000  
**QUAD:** Myton SE, Utah  
**DATE:** 3-6-95



**LEGEND:**



**UTAH**

**T. 9 South**

**R. 16 & 17 East**

**Meridian: Salt Lake B & M**

**Ten Acre Survey Area**

**Access Route**



quarter of Section 1, Township 9 South, Range 16 East, and also in the SW of the SW quarter of adjacent Section 6, Township 9 South, Range 17 East SLBM (see Map 2). This location and its original access were originally evaluated by AERC in December 1994 (Hauck and Hadden 1994e).

### Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

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

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

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on February 23, 1995. A similar search was conducted in the Vernal District Office of the BLM on March 2, 1995. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes/Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989).

### Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late

Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### Site Potential in the Project Development Zone

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

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. Access routes are evaluated by the archaeologist walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 12 acres) was examined for the various proposed access roads, in addition to the 20 acres inventoried in association with the two well locations.

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

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

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

No diagnostic isolated artifact were observed or collected during the evaluation.

**CONCLUSION AND RECOMMENDATIONS**

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

1. 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;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



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

## REFERENCES

Fike, Richard E. and H. Blaine Phillips II

- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, ( Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

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

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil

Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eightmile Flat Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Norman, V. Garth

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

Hauck, F. Richard and Dennis Weder

1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archeological-Environmental Research Corporation, Bountiful.

Stokes, W. L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake.



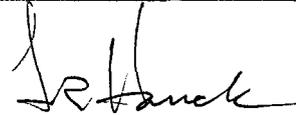
1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing roadways and/or evaluated corridor.

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

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

---

17. Signature of Administrator & Field Supervisor  
Administrator:



UT 8100-3 (2/85)

Field  
Supervisor:

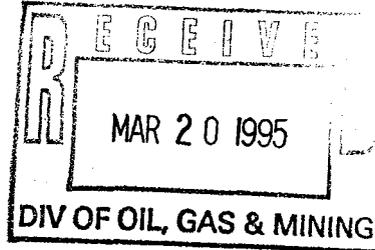


EQUITABLE RESOURCES  
ENERGY COMPANY

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

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



March 17, 1995

**CONFIDENTIAL**

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

Gentlemen:

*43-013-31487  
Sec 12 T95, R16E*

Enclosed are copies of the archeological report for the surveys that were done on the Balcron Monument Federal #12-14J, Balcron Monument Federal #42-14J, and Balcron Monument Federal #41-12J.

Also enclosed are copies of the paleontological report for the Balcron Monument Federal #42-14J and Balcron Monument Federal #41-12J as well as a copy of the paleontologist's letter regarding the new access to the Balcron Monument Federal #31-14Y.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas, and Mining

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 22 1995

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

OIL, GAS & MINING 4426

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. 4426
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. 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NE Section 12, T9S, R16E 209' FNL, 437' FEL	8. Well Name and No. Balcron Monument Fed. #41-12J
	9. API Well No. 43-013-31487
	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>change in location</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 a survey plat, topo maps, and cut and fill diagram for this well. The location was changed at the request of the Vernal District Bureau of Land Management due to the proximity of an eagle nest. Please consider this to be part of our Application for Permit to Drill.

ORIGINAL: Bureau of Land Management, Vernal District  
COPY: Utah Division of Oil, Gas and Mining

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date March 20, 1994

(This space for Federal or State office use)

Approved by [Signature] Title Professional Engineer Date 4/14/95  
Conditions of approval, if any:

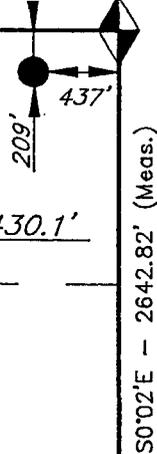
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

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

N89°58'W (G.L.O.) Basis of Bearings  
2633.16' - Measured

WELL LOCATION:  
BALCRON MONUMENT  
FEDERAL #41-12J  
ELEV. UNGRADED GROUND = 5430.1'



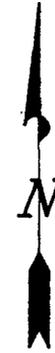
**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, BALCRON MONUMENT FEDERAL #41-12J, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

NORTH (G.L.O.)

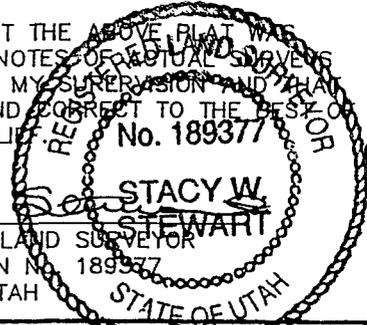
12

WEST (G.L.O.)



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

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



**TRI STATE LAND SURVEYING & CONSULTING**

38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. G.S.
DATE: 3-1-95	WEATHER: COLD
NOTES: ALT LOC	FILE #42-12J

◆ = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. DATED 1909  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)



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 14, 1995

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102

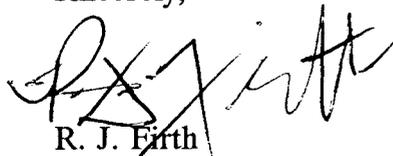
Re: Balcron Monument Federal #41-12J Well, 209' FNL, 437' FEL, NE NE, Sec. 12,  
T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31487.

Sincerely,



R. J. Firth  
Associate Director

ldc

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WAPD



Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal #41-12J

API Number: 43-013-31487

Lease: Federal U-44426

Location: NE NE Sec. 12 T. 9 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

5. LEASE DESIGNATION AND SERIAL NO.  
U-44426

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

7. UNIT AGREEMENT NAME  
Jonah Unit

8. FARM OR LEASE NAME

Balcron Monument Federal

9. WELL NO.

#41-12J

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 12, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UTAH

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil 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

NE NE Section 12, T9S, R16E  
At proposed prod. zone

395' FNL, 476' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 13 miles southwest of Myton, Utah

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

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

19. PROPOSED DEPTH  
5,750'

20. ROTARY OR CABLE TOOLS  
Rotary

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

GL 5457.6'

22. APPROX. DATE WORK WILL START\*

3/1/95

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

**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.

JUN 01 1995  
DIV. OF OIL, GAS & MINING

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

24. SIGNED Robbie Schuman TITLE Regulatory and Environmental Specialist DATE 12-19-94  
Robbie Schuman

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE MAY 30 1995

CONDITIONS OF APPROVAL, IF ANY: **NOTICE OF APPROVAL** TO OPERATOR ONLY

\*See Instructions On Reverse Side

Div O&M

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAR 22 1995

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.

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

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

NE NE Section 12, T9S, R16E  
209' FNL, 437' FEL

5. Lease Designation and Serial No.

U-44426

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #41-12J

9. API Well No.

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

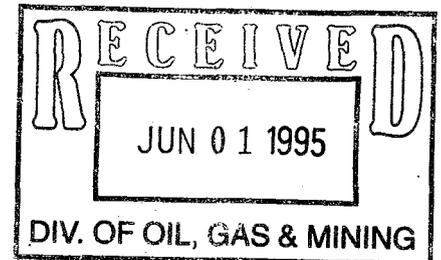
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other change in location  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

Attached is a survey plat, topo maps, and cut and fill diagram for this well. The location was changed at the request of the Vernal District Bureau of Land Management due to the proximity of an eagle nest. Please consider this to be part of our Application for Permit to Drill.

ORIGINAL: Bureau of Land Management, Vernal District  
COPY: Utah Division of Oil, Gas and Mining



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

Signed Bobbie Schuman

Regulatory and  
Title Environmental Specialist

Date March 20, 1994

(This space for Federal or State Office Use)

Approved by Steve May  
Conditions of approval, if any:

Title Acting Area Manager

Date 5/26/95

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

MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

- A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
- B. Dam layout and location shall be with surveying instruments by qualified personnel.

II. Borrow Areas

- A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
- B. Vegetation, debris, and topsoil shall be removed to a depth of 12" 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 as directed.
- D. Vegetation, debris and topsoil moved below the dam shall be contoured, smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
- E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.

III. Core Trench and Dam Foundation

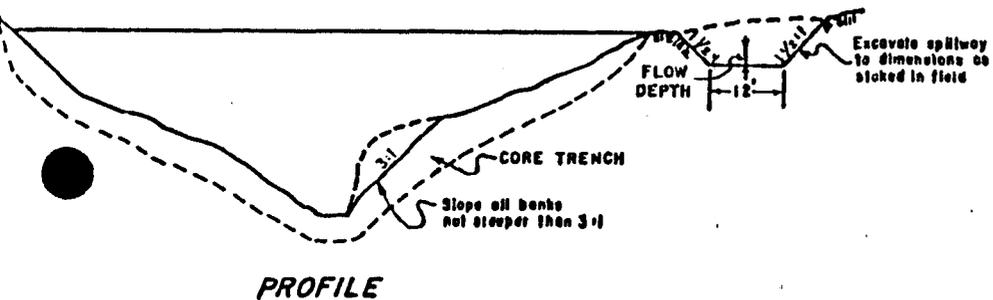
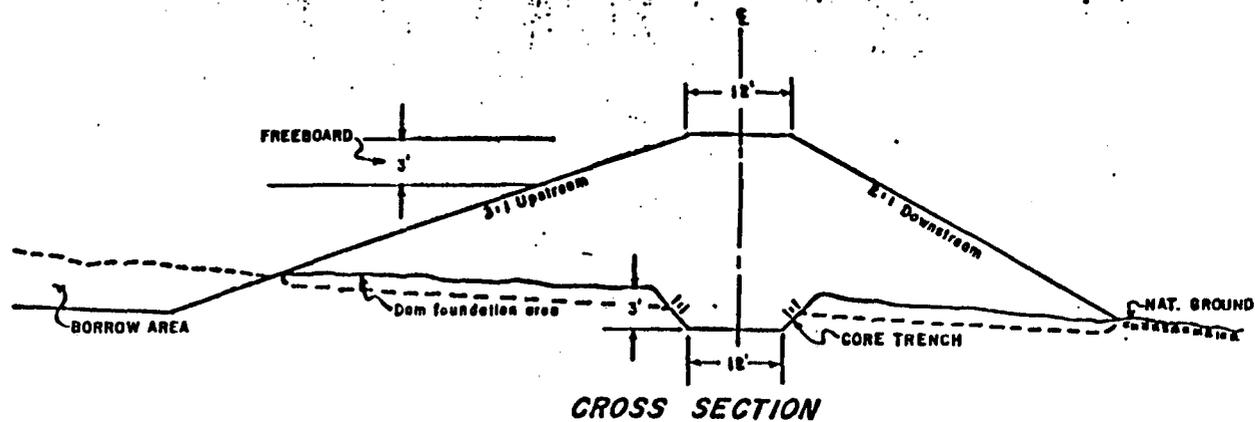
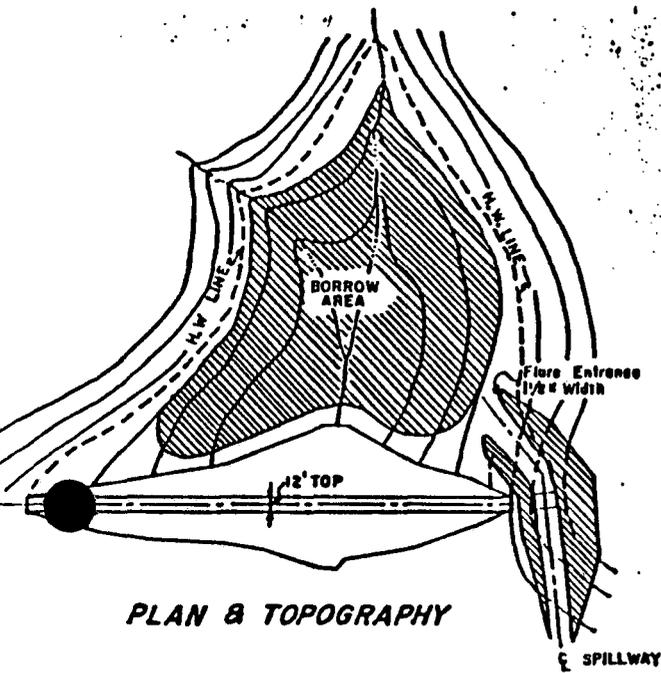
- A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
- B. Sides of the core trench shall not be steeper than 1:1 slopes.
- C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.

IV. Dam and Core Fill

- A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
- B. Lifts of fill shall not exceed 6" 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. Fill shall be smoothed, maintaining specified slopes.

V. Spillway

- A. Spillway shall be constructed through natural material.
- B. Spillway shall be constructed to divert overflow away from fill areas 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.



**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. BLM PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILLWAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.

U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ <small>CHIEF, DIV. OF ENG.</small>
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**ALWAYS THINK SAFETY** GPO 520-178

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

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 41-12J

API Number: 43-013-31487

Lease Number: U-44426

Location: NENE Sec. 12 T. 9S R. 16E

**NOTIFICATION REQUIREMENTS**

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

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

3. Casing Program and Auxiliary Equipment

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

The surface casing will need to be cemented with neat cement.

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  $\pm$  822 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  $\pm$  622 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 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) 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 3162.7-5 (b. 4).

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

7. Other Information

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

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

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

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation 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:

Wayne P. Bankert      (801) 789-4170  
Petroleum Engineer

Ed Forsman            (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

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

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

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

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

Planned Access Road

The operator must follow the access approach as described in the revised plan of the Sundry Notice received in the BLM office March 22, 1995. This plan of access is a revision of the original proposal with the APD and is a change in the description for the existing roads and planned access roads as described in the Surface Use Program.

Wellsite Layout

The operator must follow the plan of development as described in the revised plan in the Sundry Notice received in the BLM office March 22, 1995. This plan of development is a revision of the original proposal with the APD and is a change in the description for the location site layout as described in the Surface Use Program.

The **required** plastic reinforced liner to line the reserve pit will be a minimum of 12 mil thickness with sufficient bedding to cover any rocks to prevent puncturing. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold in place. No trash, scrap pipe, etc..., that could puncture the liner will be disposed of in the pit.

Plans for Reclamation of Location

At time of abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area, the stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the Authorized Officer of the BLM.

Other Information

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 including installation of the pit liner.

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

To reduce soil erosion due to the development of this location a silt catchment basin will be constructed. Construct the basin in the NWNE Section 12, T9S, R16E. The location is flagged in a drainage southwest of Equitable Resources Energy Company's Well No. Getty 12-1 in the same quarter quarter. Attached are **minimum standards for dams impounding under 10 acre feet.**

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON MONUMENT FEDERAL 41-12J

Api No. 43-013-31487

Section 12 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 6/23/95

Time

How ROTARY

Drilling will commence

Reported by ODALE WILLIAMS

Telephone #

Date: 6/29/95 Signed: JLT

6-29-95



**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

**CONFIDENTIAL**

**June 26, 1995**



**Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078-2799**

**Gentlemen:**

**RE: Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah**

**43-013-31487**

**This letter is notice that the subject well was spud on 6-23-95 at 4:00 p.m.**

**Please feel free to contact me if you have any questions.**

**Sincerely,**

*Molly Conrad*

**Molly Conrad  
Operations Secretary**

**/mc**

**cc: State of Utah, Division of Oil, Gas & Mining - also enclosed is our Entity Action Form 6  
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX  
Bobbie Schuman  
Dawn Schindler  
Lou Ann Carlson**

ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company  
Balcon Oil Division  
ADDRESS 1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

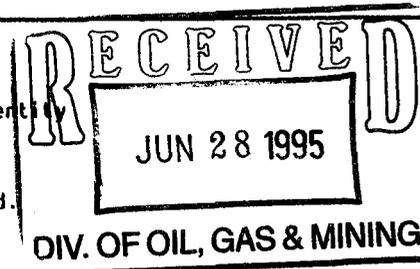
OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492	→	43-013-31487	Balcon Monument Federal #41-12J	NENE	12	9S	16E	Duchesne	6-23-95	6-23-95
WELL 1 COMMENTS: <i>Entity added 6-29-95. jec</i> Spud of a new well, please add to current Jonah Unit Entity.											
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.



*Molly Conrad*  
Signature  
Operations Secretary 6-26-95  
Title Date  
Phone No. (406) 25907860



**EQUITABLE RESOURCES  
ENERGY COMPANY**

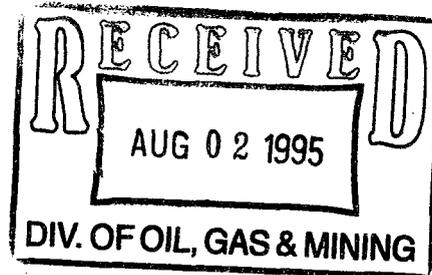
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

**CONFIDENTIAL**

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

**July 31, 1995**



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

**Gentlemen:**

**RE: Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah**

**This letter will serve as notice that first production on the subject well was on 7-28-95 at 11:50 p.m.**

**Please feel free to contact me if you need any additional information.**

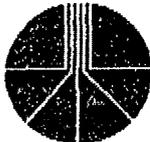
**Sincerely,**

*Molly Conrad*

**Molly Conrad  
Operations Secretary**

**/mc**

**cc: State of Utah, Division of Oil, Gas, & Mining  
Lou Ann Carlson  
Bobbie Schuman**



# 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

### TELECOPIER TRANSMITTAL SHEET

Our telecopier number is: (406) 245-1361

DATE: 8-22-95  
TO: Heesha  
COMPANY: State of Utah  
FROM: Molly Conrad

Total Number 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: \_\_\_\_\_

SPECIAL INSTRUCTIONS: \_\_\_\_\_

I overlooked this. I apologize.

**NOTE: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL, AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUALS OR ENTITY NAMED 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.**

OPERATOR Equitable Resources Energy Company  
Balcron Oil Division

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

OPERATOR ACCT. NO. N 9890

P.2/2

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492	→	43-013-31486	Balcron Monument Red. #42-12J	SE NE	12	9S	16E	Duchesne	6-12-95	6-12-95
WELL 1 COMMENTS: Spud of a new well, please add to current Jonah Unit Entity. Entity added 8-29-95. Lee											
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
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  - E - Other (explain in comments section)

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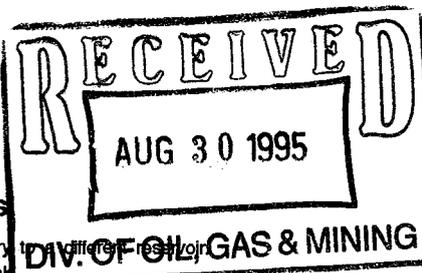
(3/89)

Molly Conrad  
Signature

Operations Secretary      8-22-95  
Title      Date

Phone No. 406, 259-7860

1 406 243 1361  
AUG 22 '95 08:35AM BALCRON OIL DIV



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.

**DIV. OF OIL, GAS & MINING**

5. Lease Designation and Serial No. U-44426

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

7. If Unit or CA, Agreement Designation Jonah Unit

**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.

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

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

SURFACE: NE NE Section 12, T9S, R16E  
 TD: 395' FNL & 476' FEL

8. Well Name and No. Balcron Monument Fed. #41-12J

9. API Well No. 43-013-31487

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

11. County or Parish, State Duchesne County, Utah

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

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

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

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

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

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

Molly Conrad  
 Signed \_\_\_\_\_ Title Regulatory and Environmental Specialist

Date 1-30-95

(This space for Federal or State office use)

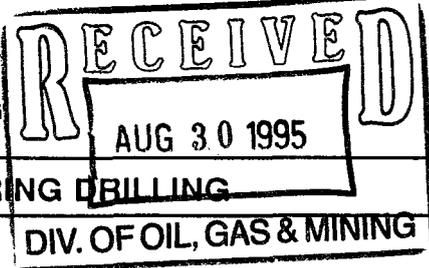
Approved by \_\_\_\_\_  
 Conditions of approval, if any:

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**



REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Monument Federal #41-12J

API number: 43-013-31487

2. Well Location: QQ NE NE Section 12 Township 9S Range 16E County Duchesne

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

Address: 1601 Lewis Avenue

Billings, MT 59102

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

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

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

6. Formation tops: Please see back side of completion report.

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

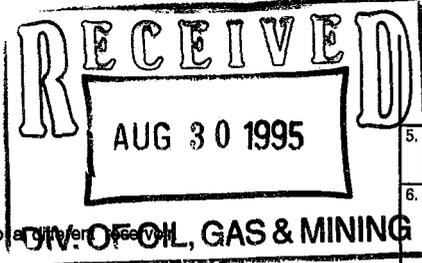
If an analysis has been made of the water encountered, please attach a copy of the report to this form.

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

Date: 8-25-95

Name & Signature: Molly Conrad, *Molly Conrad*

Title: Operations Secretary



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 well or lease unit.  
 Use "APPLICATION FOR PERMIT --" for such proposals

5. Lease Designation and Serial No.  
U-44426

6. If Indian, Allottee or Tribe Name

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

Jonah Unit

8. Well Name and No.  
Balcron Monument Fed. #41-12J

9. API Well No.  
43-013-31487

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.  
1601 Lewis Avenue; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: NE NE Section 12, T9S, R16E  
 TD: 209' FNL & 437' FEL

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

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

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

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

Attached is the Site Security Diagram for this well.

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

Signed Molly Conrad Title Operations Secretary

Date 8-25-95

(This space for Federal or State Office use)

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

Title \_\_\_\_\_

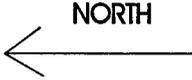
Date \_\_\_\_\_

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.

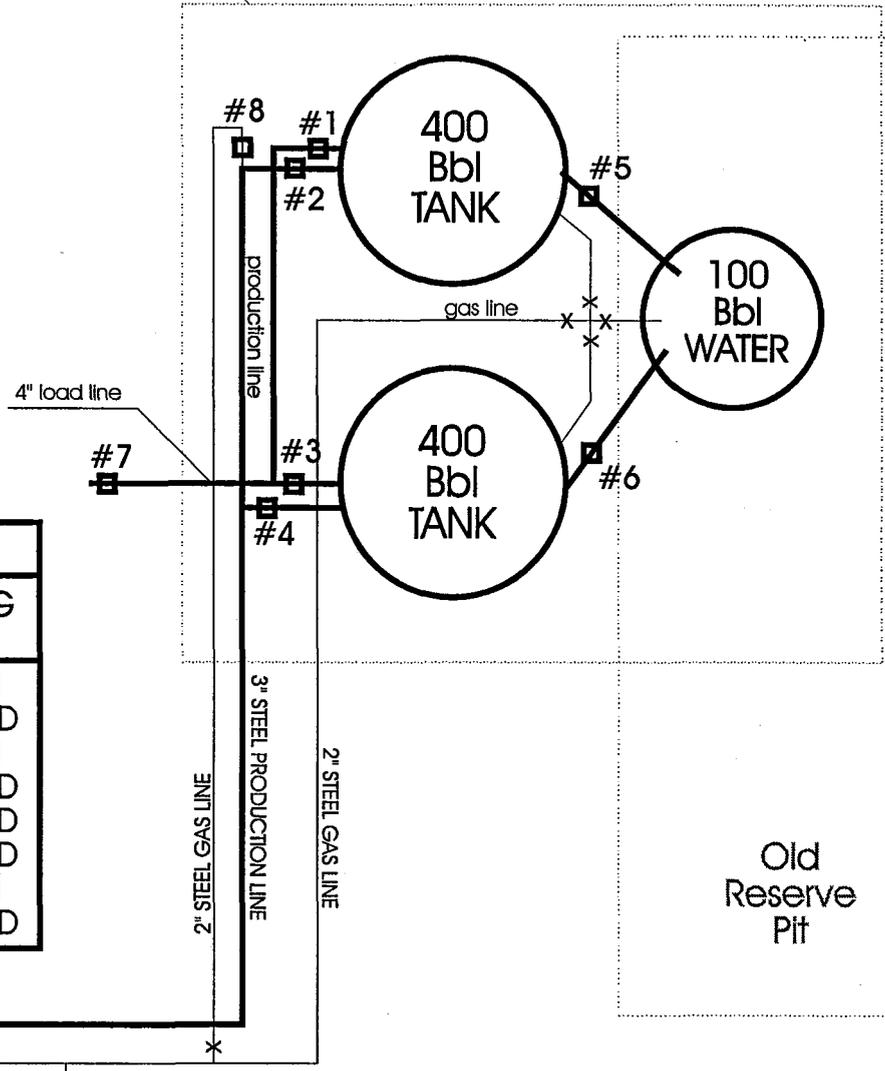
\*See instruction on Reverse Side

# Equitable Resources Energy Company Balcron Monument Federal 41-12J Production Facility Diagram

Balcron Monument Federal 41-12J  
NE NE Sec. 12, T9S, R16E  
Duchesne County, Utah  
Federal Lease #U-44426  
395' FNL, 476' FEL



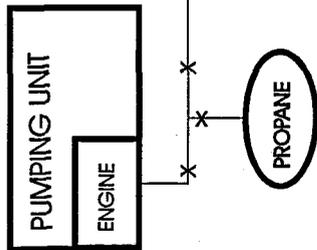
**DIKE**



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

Old Reserve Pit

WELL HEAD



ACCESS ROAD

DIAGRAM NOT TO SCALE

*8-25-95/mc.*



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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**RECEIVED**  
AUG 30 1995  
DIV. OF OIL, GAS & MINING  
CONFIDENTIAL

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1. LEASE DESIGNATION AND SERIAL NO. 4426

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

3. AGREEMENT NAME Lease Unit

4. FARM OR LEASE NAME Palcron Monument Federal

5. WELL NO. #41-12J

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

7. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA NE NE Section 12, T9S, R16E

8. COUNTY OR PARISH Duchesne 9. STATE Utah

10. DATE SPUDDED 6-23-95 11. DATE T.D. REACHED 7-2-95 12. DATE COMPL. (Ready to prod.) 7-28-95 13. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5457.6' GL 14. ELEV. CASINGHEAD n/a

15. TOTAL DEPTH, MD & TVD 5750' 16. PLUG, BACK T.D., MD & TVD 5695' KB 17. IF MULTIPLE COMPL., HOW MANY\* n/a 18. INTERVALS DRILLED BY SFC - TD 19. ROTARY TOOLS n/a 20. CABLE TOOLS n/a

21. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4173' - 4896' Green River 22. WAS DIRECTIONAL SURVEY MADE No

23. TYPE ELECTRIC AND OTHER LOGS RUN 1-17-95 24. WAS WELL CORED No  
DLI/LDI/CNT/GR/CAL MUD LOG

25. 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#	274' KB	12-1/4"	160 sxs Class "G" w/additives	None
5-1/2"	15.5#	5748.82'	7-7/8"	500 sxs Super "G" w/additives	None
				325 sxs 50-50 POZ w/additives	

26. LINER RECORD

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

27. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4970.81' KB	n/a

28. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4173' - 4186' (4 SPF)	
4188' - 4192' (4 SPF)	
4880' - 4884' (4 SPF)	
4886' - 4890' (4 SPF)	
4894' - 4896' (4 SPF)	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4880' - 4896'	2,226 gals 2% KCL wtr. Frac w/32,180# 16/30 mesh sand w/13,440 gals 2% KCL gelled wtr.
4173' - 4192'	2,898 gals 2% KCL wtr. Frac w/54,060# 16/30 mesh sand w/16,590 gals 2% KCL gelled wtr.

30. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
7-28-95	1-1/2" Insert Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-20-95	24	n/a	→	51.62	N.M.	6.66	N.M.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	51.62	N.M.	6.66	34

31. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for Fuel

32. TEST WITNESSED BY Dale Griffin

33. LIST OF ATTACHMENTS None

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

SIGNED Molly Conrad TITLE Operations Secretary DATE 8-25-95

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

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

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	Green River	1543'	1543'
				Horse Bench	2248'	2248'
				2nd Garden Gulch	3899'	3899'
				Yellow Marker	4527'	4527'
				Douglas Creek	4690'	4690'
				2nd Douglas Creek	4933'	4933'
				Green Marker	5077'	5077'
				Black Shale Facies	5361'	5361'
				Carbonate Marker	5533'	5533'

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-12J

Location: NE NE Section 12, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

395' FNL & 476 FEL

PTD: 5,750' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5457.6' GL

Contractor: Union Drilling

Operator: Balcron/EREC

Spud: 6-23-95 @ 4 p.m.

Casing: 8-5/8", 24#, J-55 @ 274' KB

5-1/2", 15.5#, J-55 @ 5748.82'

Tubing: 2-7/8", 6.5#, J-55 @ 4970.81'

6-9/22-95 Build location & install pit liner.  
DC: \$23,886

CC: \$23,886

6-24-95 TD: 296' (296') Day 1

Formation: Surface

MW air & foam

Present Operation: WOC

MIRU rotary tools. Spud @ 4 p.m. on 6-23-95. Srill conductor hole to 27' & set conductor. DRill rat hole, NU & cond flowline. Drill 12-1/4" hole to 296', circ hole clean, TOOH & pull conductor pipe. RU & run 6 jts 8-5/8" J-55 24# csg as follows:

1 shoe	.80'
1 - jt 8-5/8 csg	44.00'
1 - baffle plate	---
5 - jts 8-5/8" csg	219.66'
1 - Landing jt	13.00'
Total string length	277.46'
Csg landed @	274.00'

Cmt by BJ W 160 sxs "G" w/2% CaCl<sub>2</sub> & 1/4#/sx Cello-Seal. Circ 4 bbls to pit.

Plug down @ 5:45 a.m. 6-24-95.

DC: \$9,719

CC: \$33,605

6-25-95 TD: 910' (614') Day 2

MW air & foam

Present Operation: Drilling

WOC, cut off 8-5/8" csg, weld on wellhead & test to 1000#. NU & test BOP & all related equipment to 2000# 10 min - OK. Test 8-5/8" csg to 1500# for 30 min - OK. TIH drilling baffle plate, cmt & shoe. Drilling 7-7/8", rig service & survey.

DC: \$9,370

CC: \$42,975

6-26-95 TD: 2,142' (1,232') Day 3

Formation: Green River

MW air & foam

Present Operation: Drilling

Drill, rig service, & survey.

DC: \$15,700

CC: \$58,675

**DAILY OPERATING REPORT**

**BALCRON MONUMENT FEDERAL #41-12J**

**Location: NE NE Section 12, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

6-27-95	TD: 3,120' (978') Day 4 Formation: Green River MW air & foam Present Operation: Drilling Drill, rig service, & survey. DC: \$14,772	CC: \$73,447
6-28-95	TD: 3,844' (724') Day 5 Formation: Garden Gulch MW air & foam Present Operation: Drilling Drill, rig service, & survey. DC: \$7,090	CC: \$80,537
6-29-95	TD: 4,248' (404') Day 6 Formation: Yellow Zone MW 8.5 pH 10 Present Operation: Drilling Drill, load hole w/fluid & circ btms up, & trip for bit #4. Drill, rig service & survey. DC: \$5,958	CC: \$86,505
6-30-95	TD: 4,730' (482') Day 7 Formation: Red Zone MW 8.5 pH 10 Present Operation: Drilling Drill, rig service, & survey. DC: \$6,852	CC: \$93,357
7-1-95	TD: 5,285' (555') Day 8 Formation: Blue Zone MW 8.6 pH 10 Present Operation: Drilling Drill, rig service, & survey. DC: \$8,564	CC: \$102,011
7-2-95	TD: 5,750' (465') Day 9 Formation: Blue Zone MW 8.6 pH 10 Present Operation: TOO H for logs. Drill, rig service, circ, & TOO H for logs. DC: \$7,278	CC: \$109,289

**DAILY OPERATING REPORT**

**BALCRON MONUMENT FEDERAL #41-12J**

**Location: NE NE Section 12, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

- 7-3-94** TD: 5,750' (0') Day 10  
TOOH for logs. RU schlumberger & log: DLL/LDT/CNT/GR/CAL. TIH. LD drill pipe & collars. RU csg crew. Change pipe rams & test to 2000 psi. Run 128 jts 5-1/2" J-55 15.5# csg. RU BJ. Cmt csg w/30 bbls mud flush ahead of 500 sxs Super G, 47#/sx "G", 20#/sx POZ-A, 17#/sx CSL, 3% salt, 2% gel, 2#/sx Hiseal#2, 1/4#/sx Cello-Seal. Wt - 11 ppg, Y - 2.76. Tail w/325 sxs 50/50 POZ, 2% gel, 1/4#/sx Celloseal, 2#/sx Hi-Seal2. Wt - 14.3 Y - 1.24. Bump plug to 2000# for 10 min. Float held. PD @ 12:00 midnight 7-3-95. ND BOP. Circ 50 bbls cmt to pit. Set 5-1/2" csg slips w/90K down. Clean pits. Release rig @ 4 a.m. 7-3-95.  
DC: \$62,805 CC: \$172,094
- 7-5-95** WO Completion
- 7-6-95** WO Completion
- 7-7-95** Completion  
Dress up location, set rig anchors, set tanks & rig pump. MIRU Cannon Well Service Rig #2. NU 5M wellhead, NU BOP. SWI.  
DC: \$1,707 CC: \$173,801
- 7-10-95** Completion  
TIH w/4-3/4" bit, 5-1/2" csg scraper & 184 jts 2-7/8" tbg. Tag fill @ 5695' KB. L Circ clean w/330 bbls of 2% KCL wtr. Pressure test csg to 1000 psi for 10 min- OK. TOOH w/tbg & tools. RU Cutter to run CBL & perf. Run CBL from 5680' KB to 30' KB w/1000 psi, TOC @ 60' KB. Perf 4880'-84', 4886'-90, & 4894'-96' (4 SPF). RD Cutter Wireline. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & 159 jts 2-7/8" tbg. Set BP @ 4947' KB, EOT @ 4851' KB, set packer @ 4844' KB. SWIFN. 130 BLWTR.  
DC: \$7,215 CC: \$181,016
- 7-11-95** Completion  
BP @ 4947' KB. RU BJ Services to break down 4880'-96' w/2,226 gals 2% KCL wtr. L ATP 1910 psi, ATR 3.6 bpm. ISIP 1300 psi. Pump 4 balls/bbl. TOOH w/tbg & packer. RU BJ Service to frac 4880'-96' w/32,180# 16/30 mesh sand w/13,440 gals 2% KCL gelled wtr. ATP 2200 psi, ATR 33.6 bpm. ISIP 2100 psi, 5 min 1840 psi, 10 min 1730 psi, & 15 min 1680 psi. SWIFN. 308 BLWTR.  
DC: \$28,381 CC: \$209,397

**DAILY OPERATING REPORT**

**BALCRON MONUMENT FEDERAL #41-12J**

**Location: NE NE Section 12, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

**7-12-95**

**Completion**

BP @ 4947' KB. Bleed well down, flow back 35 BW. TIH w/retrieving tools, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN, & 155 jts 2-7/8" tbg. Tag sand @ 4791' KB, circ down to BP @ 4947'KB & set packer @ 4844' KB. Made 30 swab runs, recovered 1 BO & 148 BW. Last 16 runs trace of oil, last 5 runs no sand. Release packer & tag sand @ 4940' KB. Circ down to BP @ 4947' KB, release BP & reset @ 4269' KB. SWIFN.

DC: \$2,191

CC: \$211,588

**7-13-95**

**Completion**

BP @ 4269' KB. TOOH w/tbg & packer. RU Cutter & perf 4173'-86' & 4188'-92' (4 SPF). RD Cutters. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/7" x 2-7/8" crossover, SN & 133 jts 2-7/8" tbg. Set packer @ 4133', EOT @ 4140'. RU BJ Services to break down 4173'-92' w/2,898 gals 2% KCL wtr. ATP 2350 psi, ATR 5.7 bpm. ISIP 1450 psi. TOOH w/tbg & packer. RU BJ Services to frac 4173'-92' w/54,060# 16/30 mesh sand w/16,590 gals 2% KCL gelled wtr. ATP 2350 psi, ATR 32 bpm. ISIP 2850 psi, 5 min 1620 psi, 10 min 1530 psi, 15 min 1510 psi, & 30 min 1420 psi. Bleed well down. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & 129 jts tbg. Flow back 90 BW. Tag sand @ 4029' KB. Circ down to BP @ 4269' KB. Set packer @ 4133' KB. SWIFN. 294 BLWTR.

DC: \$29,779

CC: \$241,387

**7-14-95**

**Completion**

Bleed well down, flow back 20 BW. Made 30 swab runs, recovered 9 BO & 139 BW. Last 3 runs 20% oil & FL @ 2200'. Last 9 runs no sand, last 15 runs good gas. Release packer, circ well w/30 BW to kill, tag sand @ 4256' KB. Circ down to BP @ 4269' KB. Release BP, TOOH w/tbg, packer & BP. TIH w/tbg production string as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - jt 2-7/8" J-55 6.5# tbg	31.02'	4970.81'
1 - Perf Sub 2-7/8" x 4'	4.02'	4939.79'
1 - SN 2-7/8"	1.10'	4935.59'
26 - jts 2-7/8" J-55 6.5#	803.02'	4934.49'
1 - Tbg Anchor 2-1/2" x 5-1/2	2.35'	4131.37'
133 - jts 2-7/8" J-55 6.5#	4120.12'	4129.12'

Set tbg anchor w/11" tension. SWIFN. 165 BLWTR.

DC: \$2,612

CC: \$243,999

**7-17-95**

**Completion**

ND BOP, ND 5M well head, NU 3M wellhead. TIH w/rod production string as follows:

1 - DHP 2-1/2" x 1-1/2" x 16' RWAC w/pa plunger

196 - 3/4" x 25' D-61 Plain Rods

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

Pressure test DHP & tbg to 1000 psi - OK. RDMO. 165 BLWTR.

**DC: \$19,760**

**CC: \$ 263,759**

**7-28-95**

**Completion**

**Started well pumping @ 11:50 p.m. Newell Richens will be the pumper.**

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER:           N9890          

REPORT PERIOD (MONTH/YEAR):           3 / 96          

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓	MONUMENT FEDERAL 14-5							
4301331385	11492 09S 17E 5		GRRV					
✓	MONUMENT FEDERAL 24-12J							
4301331409	11492 09S 16E 12		GRRV					
✓	BALCRON MONUMENT FEDERAL 31-1J							
4301331413	11492 09S 16E 1		GRRV					
✓	MONUMENT FEDERAL 32-1J							
4301331414	11492 09S 16E 1		GRRV					
✓	BALCRON MONUMENT FEDERAL 33-11J							
4301331451	11492 09S 16E 11		GRRV					
✓	BALCRON MONUMENT FEDERAL 42-12J							
01331486	11492 09S 16E 12		GRRV					
✓	BALCRON MONUMENT FEDERAL 41-12J							
4301331487	11492 09S 16E 12		GRRV					
✓	BALCRON MONUMENT FEDERAL 12-7J							
4301331493	11492 09S 17E 7		GRRV					
✓	FEDERAL 24-3Y							
4301331397	11493 09S 17E 3		GRRV					
✓	FEDERAL 14-4							
4304715678	11500 08S 25E 4		GRRV					
✓	E. RED WASH 1-5							
4304720174	11500 08S 25E 5		GRRV					
✓	E. RED WASH FED 1-12							
4304720207	11500 08S 24E 12		GRRV					
✓	E. RED WASH FED 1-6							
4304720208	11500 08S 25E 6		GRRV					
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_

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

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		



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

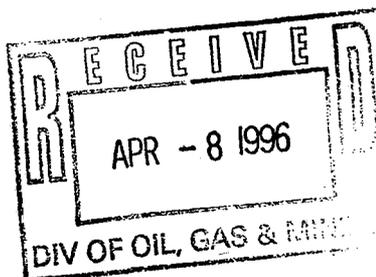
**BALCRON OIL DIVISION**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number:  
See attached listing

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

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

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

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

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

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

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

Abandon  
 Repair Casing  
 Change of Plans  
 Convert to Injection  
 Fracture Treat or Acidize  
 Multiple Completion  
 Other \_\_\_\_\_

New Construction  
 Pull or Alter Casing  
 Recomplete  
 Reperforate  
 Vent or Flare  
 Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

Abandon \*  
 Repair Casing  
 Change of Plans  
 Convert to Injection  
 Fracture Treat or Acidize  
 Other Operator name change

New Construction  
 Pull or Alter Casing  
 Reperforate  
 Vent or Flare  
 Water Shut-Off

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

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

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

APR - 8 1996

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	LEB 7-SJ	✓
2	DES-FILE	✓
3	VID (GIL)	✓
4	RJE	✓
5	FILE	✓
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>phone (406) 259-7860</u>	<u>BILLINGS MT 59102-4126</u>
	<u>account no. N9890</u>	<u>phone (406) 259-7860</u>
		<u>account no. N9890</u>

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

Name: <b>**SEE ATTACHED**</b>	API: <u>D13-31487</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: _____

**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

- Y 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) Secco Ins. Co. (Bond Rider In Progress)

- Y 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

- Y 1. All attachments to this form have been microfilmed. Date: May 20 1996  
*refilmed 9.12.96 w/ file.*

*throw away*

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

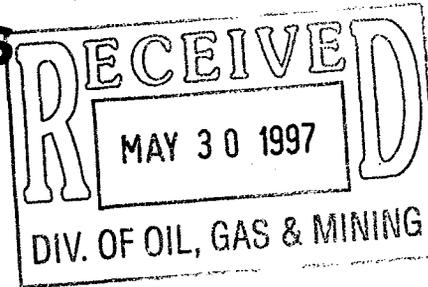
9/6/10 BLM/BIA "Formal approval not necessary"



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102



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

May 27, 1997

Utah Board Of Oil, Gas, & Mining  
1594 West North Temple  
Suite-1220  
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit  
Beluga Secondary Recovery Unit  
Coyote Basin Secondary Recovery Unit  
Castle Draw (State Section-2) Pilot Waterflood  
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti  
District Production Engineer



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

Telephone (801) 789-4327

## Water Analysis Report

**Customer :** EREC - Western Oil Company  
**Address :** 1601 Lewis Avenue  
**City :** Billings  
**State :** MT      **Postal Code :** 59104-

**Attention :** John Zellitti  
**cc1 :** Dan Farnsworth  
**cc2 :** Joe Ivey  
**cc3 :**

*Sonah Unit*

**Field :** Monument Butte Field  
**Lease :** Monument Federal Lease  
**Location :** Well No. 41-12J  
**Sample Point :** wellhead  
**Date Sampled :** 23-Jan-97  
**Date Received :** 23-Jan-97  
**Date Reported :** 08-Feb-97  
**Salesman :** Lee Gardiner  
**Analyst :** Karen Hawkins Allen

CATIONS	ANIONS
Calcium : 80 mg/l	Chloride: 1,420 mg/l
Magnesium : 53 mg/l	Carbonate: 0 mg/l
Barium : 0 mg/l	Bicarbonate: 915 mg/l
Strontium : 0 mg/l	Sulfate: 108 mg/l
Iron : 3.0 mg/l	
Sodium : 1125 mg/l	
pH (field) : 7.82	Specific Gravity : 1.005 grams/ml
Temperature : 85 degrees F	Total Dissolved Solids : 3,704 ppm
Ionic Strength : 0.06	CO2 in Water : 97 mg/l
	CO2 in Gas : 0.03 mole %
Resistivity : ohm/meters	H2S in Water : 0.0 mg/l
Ammonia : ppm	O2 in Water : 0.000 ppm
Comments :	

**SI calculations based on Tomson-Oddo**

Calcite (CaCO3) SI :	-0.02	Calcite PTB :	N/A
Gypsum (CaSO4) SI :	-2.40	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes					
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)			
✓	BALCRON MONUMENT FEDERAL 31-1J	4301331413	11492	09S	16E	1	GRRV		1133992	9mch (62) Unit	
✓	MONUMENT FEDERAL 32-1J	4301331414	11492	09S	16E	1	GRRV		"		
✓	BALCRON MONUMENT FEDERAL 33-11J	4301331451	11492	09S	16E	11	GRRV		11096550		
✓	BALCRON MONUMENT FEDERAL 42-12J	4301331486	11492	09S	16E	12	GRRV		11035521		
✓	BALCRON MONUMENT FEDERAL 41-12J	4301331487	11492	09S	16E	12	GRRV		1144426		
✓	BALCRON MONUMENT FEDERAL 12-7J	4301331493	11492	09S	17E	7	GRRV		"		
✓	FEDERAL 24-3Y	4301331397	11493	09S	17E	3	GRRV		1164381		
✓	FEDERAL 14-4	4304715678	11500	08S	25E	4	GRRV		1141376		
✓	E. RED WASH 1-5	4304720174	11500	08S	25E	5	GRRV		11063597		
✓	E. RED WASH FED 1-12	4304720207	11500	08S	24E	12	GRRV		11038797		
✓	E. RED WASH FED 1-6	4304720208	11500	08S	25E	6	GRRV		1107439B		
✓	COYOTE 1-12	4304720221	11500	08S	24E	12	GRRV		1158226		
✓	E. RED WASH FED 1-13	4304720222	11500	08S	24E	13	GRRV		11018073		
<b>TOTALS</b>											

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_  
 Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

CG, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

RECEIVED  
OCT 13 1997

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

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

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

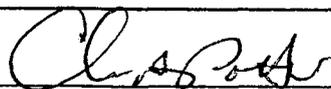
Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

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

OCT 16 1997

13.

Name & Signature:



**CHRIS A. POTTER, ATTORNEY-IN-FACT**

Date:

9/30/97

(This space for State use only)



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



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

TO: Lisha  
St of Utah.

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

Pages Attached - Including Cover Sheet 2.

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

INLAND

Inland Resources Change of Operator

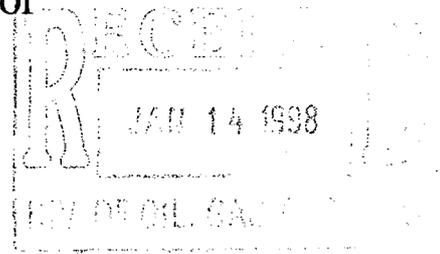
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
MONUMENT BUTTE #22-12J	SENW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15796-00	UTU096550	UTU72086A
MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #13-11J	NWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15790-00	UTU096547	UTU72086A
MONUMENT BUTTE FED #31-1J	NW NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31413-00	UTU33992	UTU72086A
MONUMENT BUTTE FED #33-11J	NWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31451-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #41-12J	NE NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31487-00	UTU44426	UTU72086A
MONUMENT BUTTE FED #42-11J	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30066-00	UTU096550	UTU72086A
MONUMENT BUTTE FED #42-12J	SENE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31486-00	UTU035521	UTU72086A
MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
MONUMENT BUTTE FED. #14-5	SWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31385-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
MONUMENT BUTTE FED. #23-5	NESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31383-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #24-12J	SESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31409-00	UTU035521A	UTU72086A
MONUMENT BUTTE FED. #32-1J	SWNE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31414-00	UTU33992	UTU72086A
MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
MONUMENT FEDERAL #12-7J	SWNW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31493-00	U-44426	UTU72086A



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

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

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

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

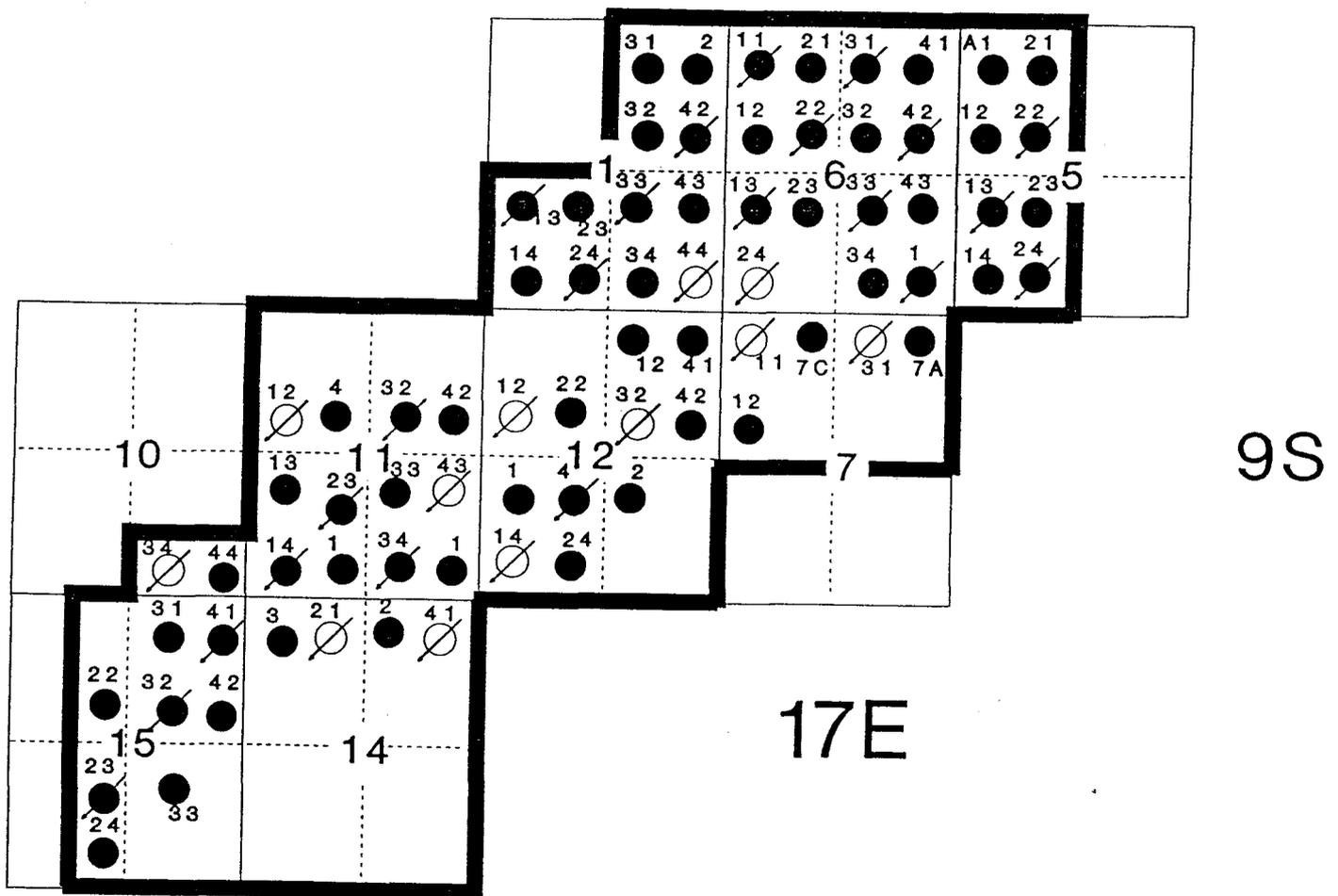
WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

# OPERATOR CHANGE WORKSHEET

1-IPC	6-APP
2-CLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-IPB	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION COMPANY</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS</u>
Phone:	<u>(801)722-5103</u>	Phone:	<u>(406)628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31487</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

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) \* UIC/Qual Pro 1-14-98 & UIC/DBase 1-14-98.*
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Y/ke 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (GP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A/ke 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A/ke 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- NA 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- Y 1. All attachments to this form have been **microfilmed**. Today's date: 2.3.98.

**FILING**

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

**COMMENTS**

980114 Btm / SY Aprv. eff. 1-13-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-44426**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**JONAH**

8. Well Name and No.  
**BALCRON MONUMENT FEDERAL 41-125**

9. API Well No.  
**43-013-31487**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**0209 FNL 0437 FEL                      NE/NE Section 12, T09S R16E**

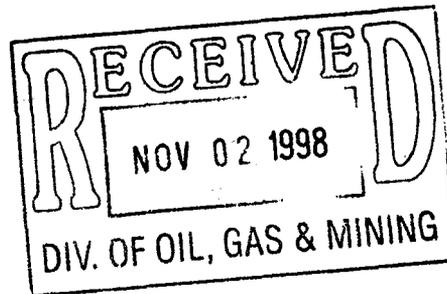
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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

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

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

Attached please find the site security diagram for the above referenced well.



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

Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:  
**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

Monument Federal 41-12J

NE/NE Sec. 12, T9S, 16E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

**Production Phase:**

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

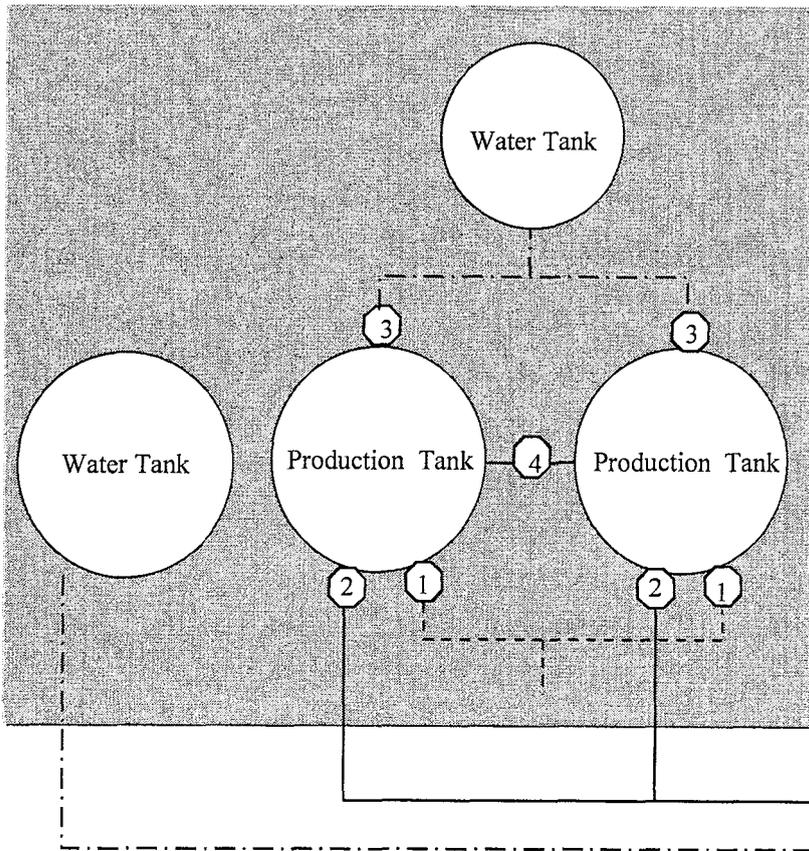
**Sales Phase:**

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

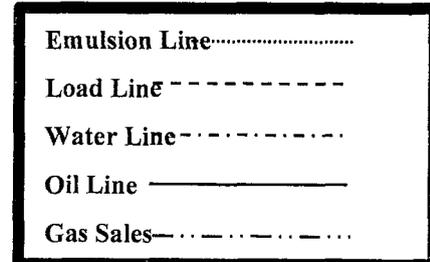
**Draining Phase:**

- 1) Valve 3 open

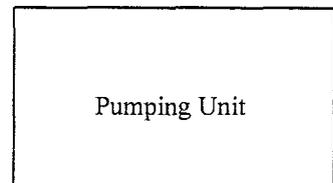
Diked Section



**Legend**



Gas Sales Meter



Well Head



# 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

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

Come visit us on the internet at <http://www.sos.state.tx.us/>

PHONE(512) 463-5555  
Prepared by: SOS-WEB

FAX(512) 463-5709

TTY7-1-1

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

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

**CA No.**

**Unit:**

**JONAH (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487*	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



April 4, 2011

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Balcron Monument Federal #41-12J-9-16  
Monument Butte Field, Lease #UTU-44426  
Section 12-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Balcron Monument Federal #41-12J-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", written over a horizontal line.

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
**APR 11 2011**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**BALCRON MONUMENT FEDERAL #41-12J-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-44426**  
**APRIL 4, 2011**

**RECEIVED**  
**APR 11 2011**  
**DIV. OF OIL, GAS & MINING**

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# Balcron Monument Federal 41-12J

Spud Date: 6/24/95  
 Put on Production: 10/1/97  
 GL: 5458' KB: 5467'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: (277.46')  
 DEPTH LANDED: 274' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, 2% CACL2, 1/4#/sk Cello-seal

### PRODUCTION CASING

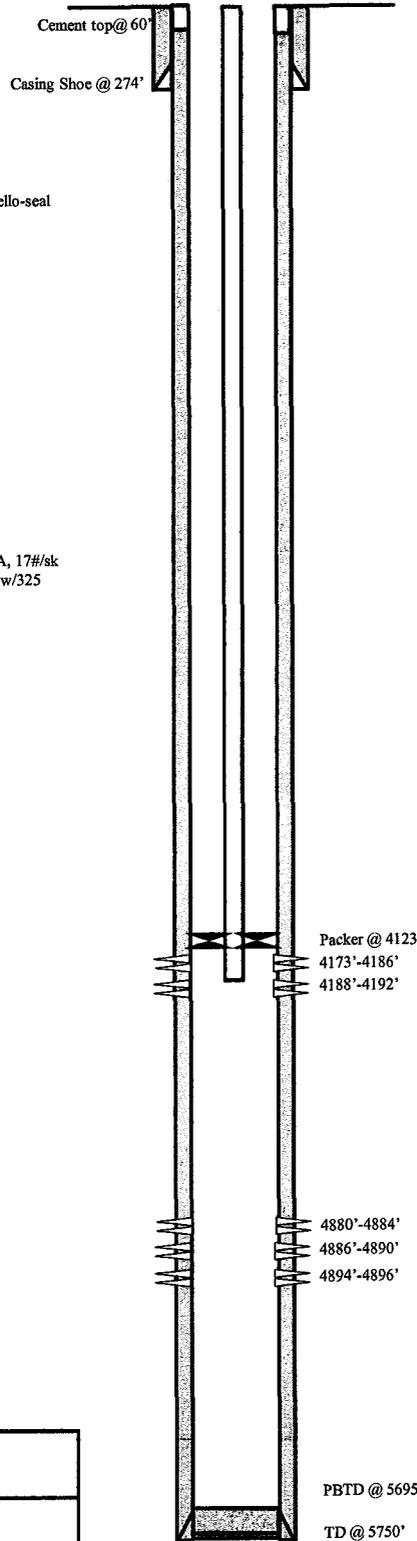
CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: (5752')  
 DEPTH LANDED: 5748' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 500 sxs super "G", 47#/sk "G", 20#/sk POZ-A, 17#/sk CSL, 3% salt, 2% Gel, 2#/sk Hi-seal #2, 1/4%/sk Cello-seal. Tail w/325 sxs 50/50 POZ, 2% gel, 1/4#/sk Cello-seal, 2#/sk Hi-seal-2.  
 CEMENT TOP AT: 60' KB

### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55  
 NO. OF JOINTS: 157 jts (4850.97')  
 TUBING ANCHOR: 4859.97'  
 NO. OF JOINTS: 2 jts (61.77')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4924.54'  
 NO. OF JOINTS: 1 jt (30.70')  
 TOTAL STRING LENGTH: EOT @ 4956.79'

### FRAC JOB

7/11/95	4880'-4896'	<b>Frac sands as follows:</b> 32,180# 16/30 sand in 13,440 gal 2% KCL water. ATP: 2200 psi. ATR: 33.6 BPM. ISIP: 2100 psi.
7/13/95	4173'-4186'	<b>Frac sands as follows:</b> 54,060# 16/30 sand in 16,590 gal 2% KCL water. ATP: 2350 psi. ATR: 32.0 BPM. ISIP: 2850 psi.
1/19/04		Parted rods. Updated tubing and rod details.
05/11/06		Tubing Leak. Updated rod and tubing details.
9-19-08		Pump Change. Updated rod & tubing details.



### PERFORATION RECORD

7/10/95	4880'-4884'	4 SPF
7/10/95	4886'-4890'	4 SPF
7/10/95	4894'-4896'	4 SPF
7/13/95	4173'-4186'	4 SPF
7/13/95	4188'-4192'	4 SPF

**RECEIVED**  
**APR 11 2011**

**DIV. OF OIL, GAS & MINING**

**NEWFIELD**

---

**Balcron Monument Federal 41-12J**

209' FNL & 437' FEL  
 NE/NE Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31487 ; Lease #UTU-44426

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Balcron Monument Federal #41-12J-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Balcron Monument Federal #41-12J-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4008' - 5695'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3692' and the TD is at 5750'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Balcron Monument Federal #41-12J-9-16 is on file with the Utah Division of Oil, Gas and Mining.

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- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-44426) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

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**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 274' KB, and 5-1/2", 15.5# casing run from surface to 5748' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

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**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2068 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Balcron Monument Federal #41-12J-9-16, for existing perforations (4173' - 4896') calculates at 0.86 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2068 psig. We may add additional perforations between 3692' and 5750'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Balcron Monument Federal #41-12J-9-16, the proposed injection zone (4008' - 5695') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-12.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

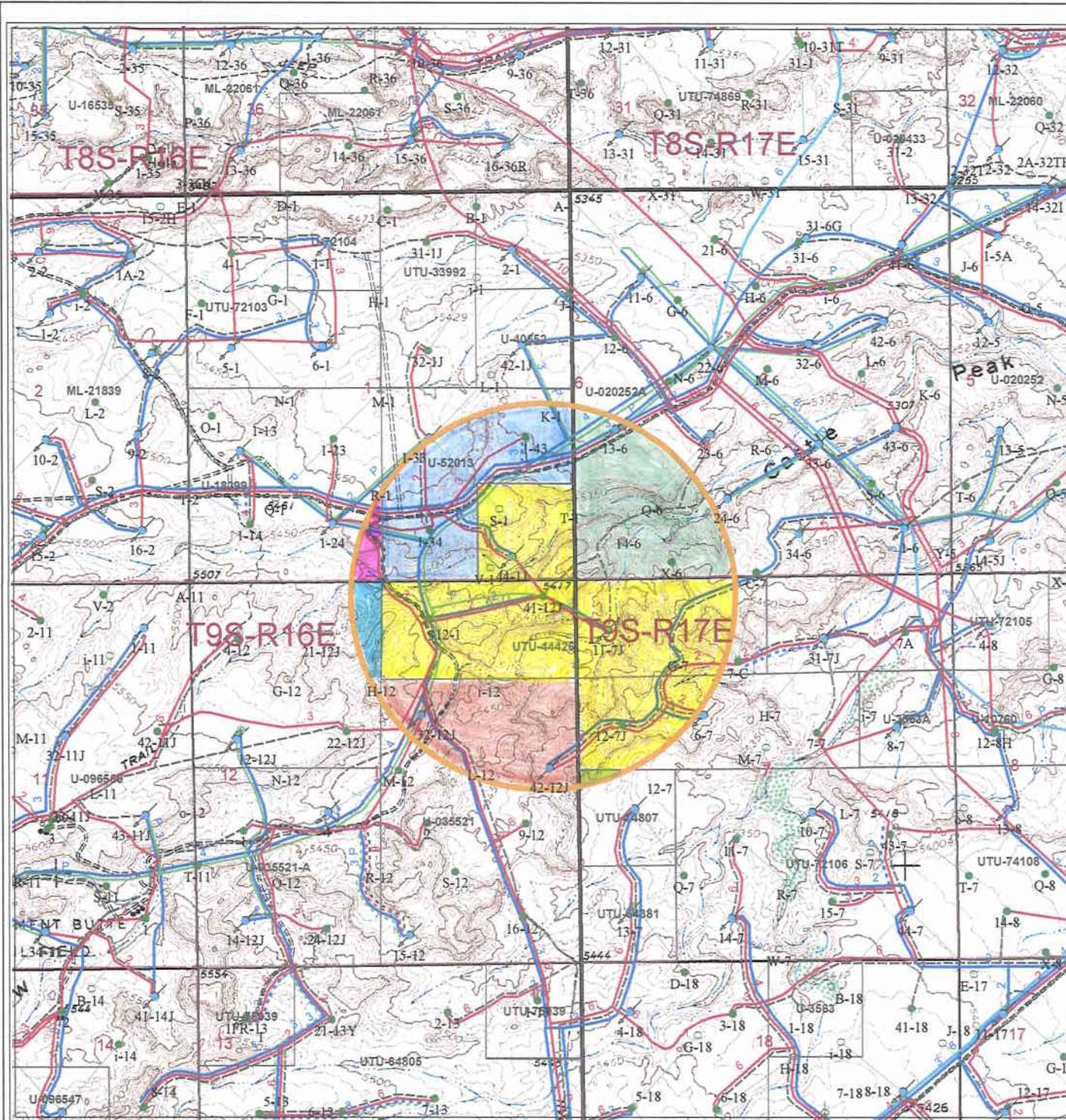
**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.

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**Well Status**

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In

**Countyline**

- Countyline
- 41\_12j\_9\_16\_Buffer

**Injection system**

- high pressure
- low pressure
- ... proposed
- return
- ... return proposed

**Leases**

- Leases
- Mining tracts

**Gas Pipelines**

- Gathering lines
- ... Proposed lines

- UTU-44426
- UTU-52013
- UTU-18379
- UTU-096550
- UTU-035621
- UTU-74807
- UTU-020252A

Monument 41-12j  
Section 12, T9S-R16E

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1/2 Mile Radius Map  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 693-0102

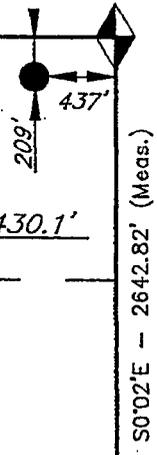
January 17, 2011

DNY OIL, GAS & MINING

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

N89°58'W (G.L.O.) Basis of Bearings  
2633.16' - Measured

WELL LOCATION:  
BALCRON MONUMENT  
FEDERAL #41-12J  
ELEV. UNGRADED GROUND = 5430.1'



NORTH (G.L.O.)

12

WEST (G.L.O.)

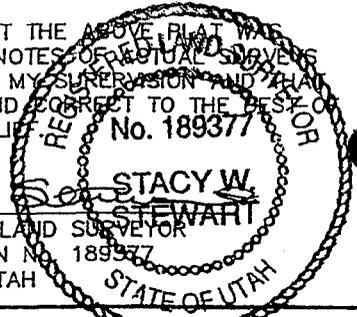


**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, BALCRON MONUMENT FEDERAL #41-12J, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

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

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



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◆ = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. DATED 1909  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)  
DIV. OF OIL, GAS & MINING

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: S.S. G.S.
DATE: 3-1-95	WEATHER: COLD
NOTES: ALT LOC	FILE #42-12J

**EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>T9S.R16E SLM</u> Section 1: SESE Section 12: N2NE <u>T9S.R17E SLM</u> Section 7: Lots 1-2 (W2NW), E2NW, N2NE, SWNE	USA UTU-44426 HBP	Newfield Production Company Newfield RMI LLC Lynn Cowden	USA
2	<u>T9S.R16E SLM</u> Section 1: N2SE, SWSE	USA UTU-52013 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>T9S.R16E SLM</u> Section 1: SW	USA UTU-18399 HBP	Newfield Production Company Newfield RMI LLC	USA
4	<u>T9S.R16E SLM</u> Section 11: N2, NESW, SE Section 12: NW Section 14: N2NE, SENE, NESE	USA UTU-096550 HBP	Newfield Production Company Newfield RMI LLC	USA

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**EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
5	<u>T9S,R16E SLM</u> Section 12: S2NE, SE	USA UTU-035521 HBP	Newfield Production Company Newfield RMI LLC Carl B. Field Montana & Wyoming Oil Co. Vaughey & Vaughey Bonnie B. Warne John R. Warne	USA
6	<u>T9S,R17E SLM</u> Section 7: Lot 3 (NWSW)	USA UTU-74807 HBP	Newfield Production Company Newfield RMI LLC	USA
7	<u>T9S,R17E SLM</u> Section 6: All	USA UTU-020252A HBP	Newfield Production Company Newfield RMI LLC	USA

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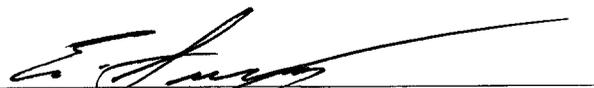
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Balcron Monument Federal #41-12J-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:



Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 5<sup>th</sup> day of April, 2011.

Notary Public in and for the State of Colorado:



My Commission Expires

My Commission Expires:

02/10/2013



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## Balcron Monument Federal 41-12J

Spud Date: 6/24/95  
 Put on Production: 10/1/97  
 GL: 5458' KB: 5467'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: (277.46')  
 DEPTH LANDED: 274' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, 2% CACL2, 1/4#/sk Cello-seal

### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: (5752')  
 DEPTH LANDED: 5748' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 500 sxs super "G", 47#/sk "G", 20#/sk POZ-A, 17#/sk CSL, 3% salt, 2% Gel, 2#/sk Hi-seal #2, 1/4#/sk Cello-seal. Tail w/325 sxs 50/50 POZ, 2% gel, 1/4#/sk Cello-seal, 2#/sk Hi-seal-2.  
 CEMENT TOP AT: 60' KB

### TUBING

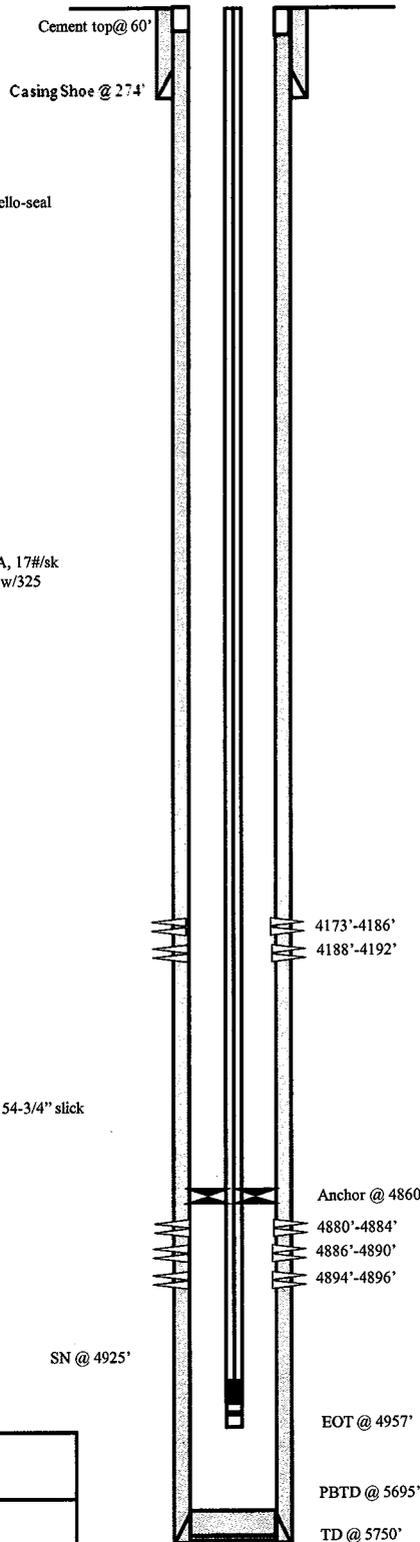
SIZE/GRADE/WT: 2 7/8" / J-55  
 NO. OF JOINTS: 157 jts (4850.97')  
 TUBING ANCHOR: 4859.97'  
 NO. OF JOINTS: 2 jts (61.77')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4924.54'  
 NO. OF JOINTS: 1 jt (30.70')  
 TOTAL STRING LENGTH: EOT @ 4956.79'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' SM  
 SUCKER RODS: 1-4', 1-6' x 3/4" pony rod. 88- 3/4" guided rods, 54-3/4" slick rods, 50-3/4" guided rods, 4-1 1/2" WT bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 14" RHAC CDI Pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, 4.5

### FRAC JOB

7/11/95	4880'-4896'	<b>Frac sands as follows:</b> 32,180# 16/30 sand in 13,440 gal 2% KCL water. ATP: 2200 psi. ATR: 33.6 BPM. ISIP: 2100 psi.
7/13/95	4173'-4186'	<b>Frac sands as follows:</b> 54,060# 16/30 sand in 16,590 gal 2% KCL water. ATP: 2350 psi. ATR: 32.0 BPM. ISIP: 2850 psi.
1/19/04		Parted rods. Updated tubing and rod details.
05/11/06		Tubing Leak. Updated rod and tubing details.
9-19-08		Pump Change. Updated rod & tubing details.



### PERFORATION RECORD

7/10/95	4880'-4884'	4 SPF
7/10/95	4886'-4890'	4 SPF
7/10/95	4894'-4896'	4 SPF
7/13/95	4173'-4186'	4 SPF
7/13/95	4188'-4192'	4 SPF

**NEWFIELD**

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**Balcron Monument Federal 41-12J**

209' FNL & 437' FEL  
 NE/NE Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31487 ; Lease #UTU-44426

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## Balcron Monument Federal #32-12j

Elev. @ GL = 5417', KB = 5427' (10' KB)

### Injection Wellbore Diagram

**SURFACE CASING**

8-5/8", 24#, J-55  
 Length @ 255.30'.  
 Hole size @ 12-1/4".  
 Depth Landed @ 263' KB  
 Cemented w/160 sacks "G" w/  
 2% CCL & 1/4 lbs/sack Celoflakes.  
 Cemented to surface.

**PRODUCTION CASING**

5-1/2", 15.5#, K-55  
 Length @ 5787.96'.  
 Hole size @ 7-7/8".  
 Depth Landed @ 5796.96' KB  
 Cemented w/238 sacks Thrifty-Lite and  
 tailed w/250 sacks 50-50 POZ.  
 Cement top @ 933' per CBL

**TUBING**

2-7/8", 6.5#, J-55  
 152 jnts @ 4753.5'  
 SN @ 2-7/8" x 1.10' (2.25" ID)  
 Perf Sub @ 2-7/8" x 3'  
 TA @ 2-1/2"x5-1/2"x2.35'  
 MA @ 2-7/8"x 31.10'  
 Total string length @ 5018.94' KB  
 SN landed @ 4984.64' KB

**ROD STRING**

1 - 1-1/4" x 22' Polish Rod  
 1 - 3/4" x 4' Pony  
 1 - 3/4" x 6' Pony  
 1 - 3/4" x 8' Pony  
 198 - 3/4" x 25' D-61 Plain Rods

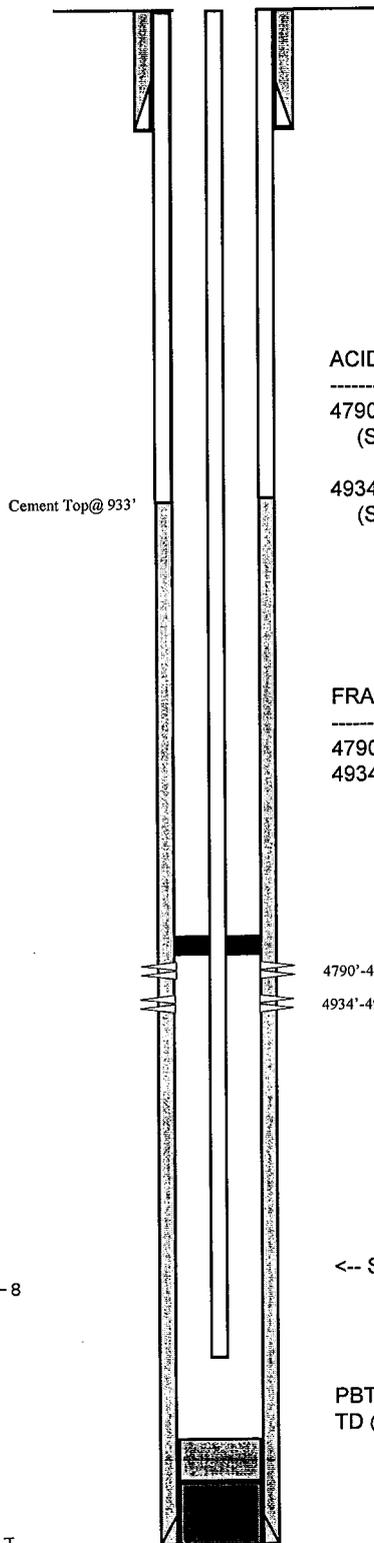
Pump size @ 2-1/2"x1-1/2"x16' RWAC  
 w/PA plunger.

Stroke Length @ 89", 3-1/2 SPM

Pumping Unit size: Lufkin LM-228D-213-8

Ajax Engine Model E-42

Tanks - 2 @ 12'x20' (400 bbl)



**ACID/BREAKDOWN JOBS**

4790'-4798' KB - 4-18-94 by Western w/500 gals  
 (Stage #1) 15% HCL acid. ISIP 950 psi.  
 4934'-4938' KB - 4-18-94 by Western w/500 gals  
 (Stage #2) 15% HCL acid. ISIP 1100 psi.

**FRAC JOBS**

4790'-4798' KB & 4-18-94 by Western w/37,340#  
 4934'-4938' KB - 16/30 mesh sand in 18,388 gals  
 2% KCL gelled wtr. ATP 2700 psi,  
 max 2990 psi. ATR 30 BPM,  
 max 30.4 BPM. ISIP 1850 psi,  
 5 min 1680 psi, 10 min 1560 psi,  
 & 15 min 1500 psi.

4790'-4798' red 5 sds  
 4934'-4938' green 1 sds

**PERFORATION RECORD**

4790'-4798' KB (8 holes) RED 5  
 4934'-4938' KB (7 holes) GREEN 1

<-- SN landed @ 4984.64' KB

PBTD @ 5751.65' KB  
 TD @ 5,800' KB

**NEWFIELD**

BALCRON MONUMENT FEDERAL #32-12J  
 Jonah Unit/Monument Butte Field  
 Lease No. U-035521  
 SW NE Section 12, T9S, R16E  
 Duchesne County, Utah

API # 43-013-31419

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## Balcron Monument Fed 42-12J-9-16

Put on Injection: 10/10/2000  
 GL: 5474.4' KB: 5484' (10' KB)

Injection Wellbore  
Diagram

**SURFACE CASING**

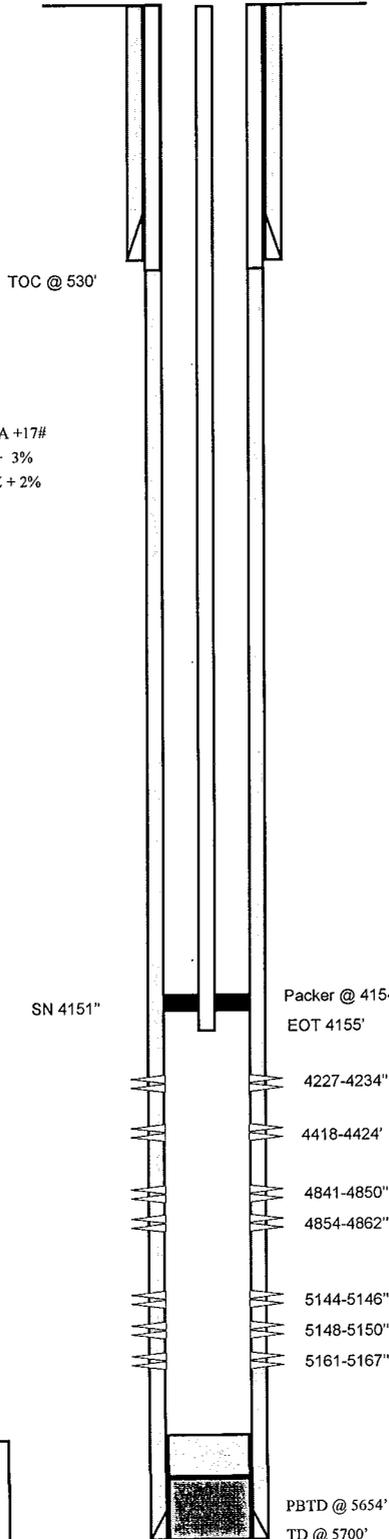
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts (264.2')  
 DEPTH LANDED: 274.2' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" +  
 (2% CCI + 1/4 Celeflake)per sx.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts (5690.02')  
 DEPTH LANDED: 5700' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 376 sxs Super "G" w/ (47# "G" + 20# Poz-A +17#  
 CSE + 2# Hi-Seal 2 + 1/4 # Cello-Seal)/sk + 3%  
 salt + 2% gel , Tailed by 297 sxs 50/50 POZ + 2%  
 gel + (1/4 # Cello-Seal + 2# Hi-Seal 2) /sk  
 CEMENT TOP AT: 530' KB

**TUBING RECORD**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 132 Jts  
 SEATING NIPPLE: 2-7/8"x1.10'  
 SEATING NIPPLE: 4151' KB  
 PACKER SET AT: 4154.2' KB  
 TOTAL LENGTH: EOT @ 4155' KB



**FRAC JOB**

<p>6/28/95 5144-5167'</p> <p>6/31/95 4841-4862'</p> <p>7/15/95 4227-4234' 4418-4424'</p> <p>10/14/05 5 Year MIT 10/10/00</p>	<p><b>Frac zone as follows:</b>                  2000 gal 2% gel pad followed by 11,902 gal                  2% KCl wtr w/ 16,700# 20/40 &amp; 20,000#                  16/30 sand. Flush w/ 5,082 gal 2% KCl wtr.                  ATP-2200 #, Max-2510 #, ATR-29.8 bpm,                  Max-30.1 bpm. ISIP-2100 #, 5min-1910,                  10min-1690, 15min-1530, 30min-1130</p> <p><b>Frac zone as follows:</b>                  3000 gal 2% gel pad followed by 15,396 gal                  2% KCl wtr w/ 55,700# 16/30 sand. Flush w/                  4746 gal 2% KCl wtr. ATP-2084 psi, Max-                  2800 psi, ATR-30.5 bpm, Max-30.8 bpm,                  ISIP-2400 psi, 5min-1850</p> <p><b>Frac zone as follows:</b>                  3000 gal 2% gel pad followed by 12,582 gal                  2% KCl wtr w/ 45,120# 16/30 sand. Flush w/                  4116 gal 2% KCl wtr. ATP-4000 psi, Max-                  4910 psi, ATR-28 bpm, Max-31.3 bpm. ISIP-                  2300 psi, 5min-1820, 10min-1600, 15min-                  1520 psi, 30min-1420 psi.</p> <p><b>5 Year MIT Complete                  Convert to Injection Well</b></p>
--	---

**PERFORATION RECORD**

7/3/95	4227-4234'	4 SPF	7 holes
7/3/95	4418-4424'	4 SPF	6 holes
6/30/95	4841-4850'	4 SPF	36 holes
6/30/95	4854-4862'	4 SPF	32 holes
6/27/95	5144-5146'	4 SPF	4 holes
6/27/95	5148-5150'	4 SPF	4 holes
6/27/95	5161-5167'	4 SPF	32 holes

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**NEWFIELD**

Balcron Monument Federal 42-12J-9-16  
 2550' FNL & 391' FEL SE/SE  
 Section 12, T9S, R16E  
 Duchesne Co, Utah  
 API #43-013-31486; Lease #U-035521

## Balcron Monument Federal #12-7J-9-17

Spud Date: 6/2/1995  
Put on Production: 7/5/1995

Initial Production: 59.7BOPD,  
NM MCFD, 25 BWPD

GL: 5438' KB: 5448'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (262.75')  
DEPTH LANDED: 271'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt.

#### PRODUCTION CASING

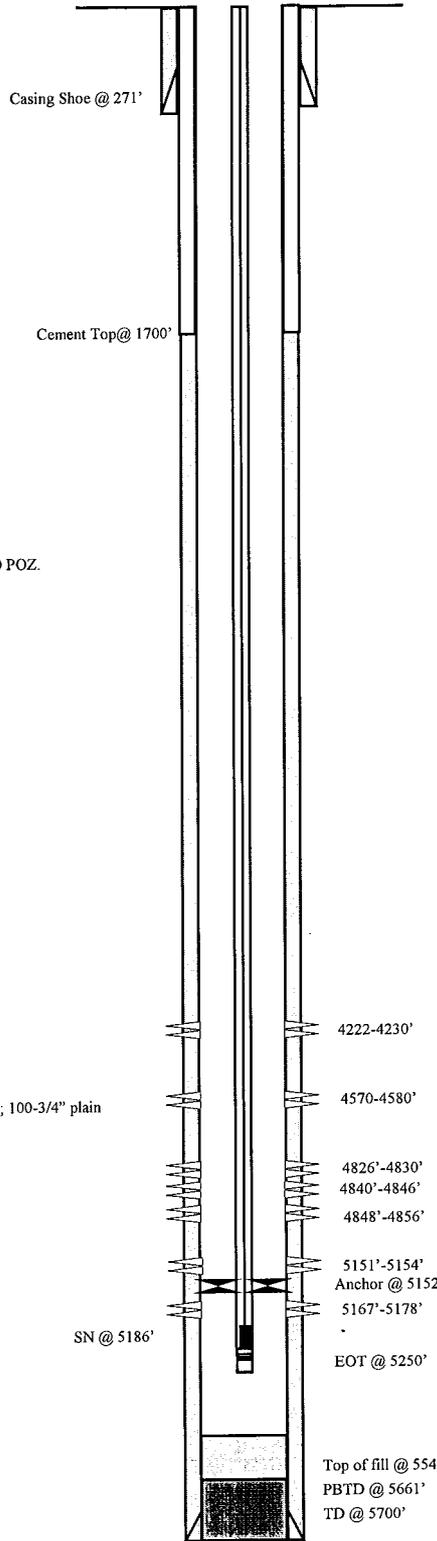
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts. (5709.04')  
DEPTH LANDED: 5703'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 160 sxs Super "G" cmt + 204 sxs 50/50 POZ.  
CEMENT TOP AT: 1700' per CBL

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 164 jts (5142.16')  
TUBING ANCHOR: 5152.16'  
NO. OF JOINTS: 1 jts (30.90')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5185.86' KB  
NO. OF JOINTS: 2 jts (62.95')  
TOTAL STRING LENGTH: EOT @ 5250.36'

#### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 4-1 1/2" weight rods; 11-3/4" scraped rods; 100-3/4" plain rods, 90-3/4" scraped rods, 2-2', 2-4', 1-6' x 3/4" pony rod.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
STROKE LENGTH: 84"  
PUMP SPEED, SPM: 5.5 SPM  
LOGS: DIGL/SP/GR/CAL



#### FRAC JOB

6/20/95	5151'-5178'	<b>Frac zone as follows:</b> 18,920# 20/40 sand + 29,760# 16/30 sand in 385 bbls frac fluid. Treated @ avg press of 2400 psi w/avg rate of 34.5 BPM. ISIP 2500 psi. Calc. flush: 5151 gal. Actual flush: 5109 gal.
6/22/95	4826'-4856'	<b>Frac zone as follows:</b> 63,500# 16/30 sand in 443 bbls frac fluid. Treated @ avg press of 3400 psi w/avg rate of 31.8 BPM. ISIP 4500 psi. Calc. flush: 4826 gal. Actual flush: 4784 gal.
10/27/01 1/15/02		Tubing leak. Update rod and tubing details. Pump change. Update rod details.
07/26/06		<b>Recompletion Update rod &amp; Tubing details with new Fracs.</b>
07/27/06	4570-4580'	<b>Frac DS2 Sands as follows:</b> 14918# 16/30 sand in 171 bbls of Lighting 17 frac fluid. Treated @ avg press of 3166 psi w/avg rate of 14.4 BPM. ISIP 2275 psi. Calc. flush: 2131 gal. Actual flush: 1134 gal.
07/27/06	4222-4230'	<b>Frac GB6 Sands as follows:</b> 29396# 16/30 sand in 272 bbls of Lighting 17 frac fluid. Treated @ avg press of 3338 psi w/avg rate of 14.3 BPM. ISIP 2025 psi. Calc. flush: 1305 gal. Actual flush: 1050 gal.

#### PERFORATION RECORD

6/19/95	5167'-5178'	4 JSPF	44 holes
6/19/95	5151'-5154'	4 JSPF	12 holes
6/22/95	4848'-4856'	4 JSPF	32 holes
6/22/95	4840'-4846'	4 JSPF	24 holes
6/22/95	4826'-4830'	4 JSPF	16 holes
07/26/06	4570-4580'	4 JSPF	40 holes
07/26/06	4222-4230'	4 JSPF	32 holes

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**Balcron Monument Fed. #12-7J-9-17**  
1965' FNL & 620' FWL  
SWNW Section 7-T9S-R17E  
Duchesne Co, Utah  
API #43-013-31493; Lease #UTU-44426

## Balcron Monument Federal 44-1J-9-16

Spud Date: 8/5/94

Put on Injection: --/--/--

GL: 5372' KB: 5382'

### Injection Diagram

Initial Production: 40 STBOPD,  
N.M. MCFD, 0 STBWPD

#### SURFACE CASING

STRING: 1  
 SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs.  
 LENGTH: 6 jts @ 253.0'  
 HOLE SIZE: 12-1/4"  
 DEPTH LANDED: 261' KB  
 CEMENT DATA: 160 sxs Class "G", 2% CaCl & 1/4#/sx Celoflake  
 Cemented to Surface

#### PRODUCTION CASING

STRING: 1  
 SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts @ 5728.92'  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5737.92' KB  
 CEMENT DATA: 430 sx Super G w/3% salt, 2% gel, & tail w/240 sx 50/50 POZ w/2% gel & 1/4#/sx Celoflakes.  
 CEMENT TOP AT: 535' KB from CBL

#### INJECTION EQUIPMENT & SIZE

2-7/8", 6.5#, J-55  
 SN @ 2-7/8" x 1.1' (2.25" ID)  
 SN Landed @ 4606' KB

Retrievable Csg Tension Packer  
 Model: Arrow Set-1  
 Landed @ 4610' KB

#### Proposed Injection Horizons

4677'-4680' (3')	(4 SPF)
4682'-4684' (2')	(4 SPF)
4839'-4844' (5')	(4 SPF)
4846'-4848' (2')	(4 SPF)
4971'-4974' (3')	(4 SPF)
4977'-4981' (4')	(4 SPF)
4987'-4994' (7')	(4 SPF)

#### TUBING

NO. OF JOINTS: 144 jts (4587.64")  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 4598.74' KB  
 CE: 4602.04  
 TOTAL STRING LENGTH: EOT @ 4606.14' KB

#### FRAC JOB

4971' - 4994' KB - 8-18-94 by Western w/46,840# 16/30 mesh sand w/14,112 gallons 2% KCL gelled water. ATP 2300 psi, max 2730 psi. ATR 30.1 bpm, max 30.5 bpm. ISIP 2280 psi, 5 min 1820 psi, 10 min 1650 psi, 15 min 1560 psi, 30 min 1300

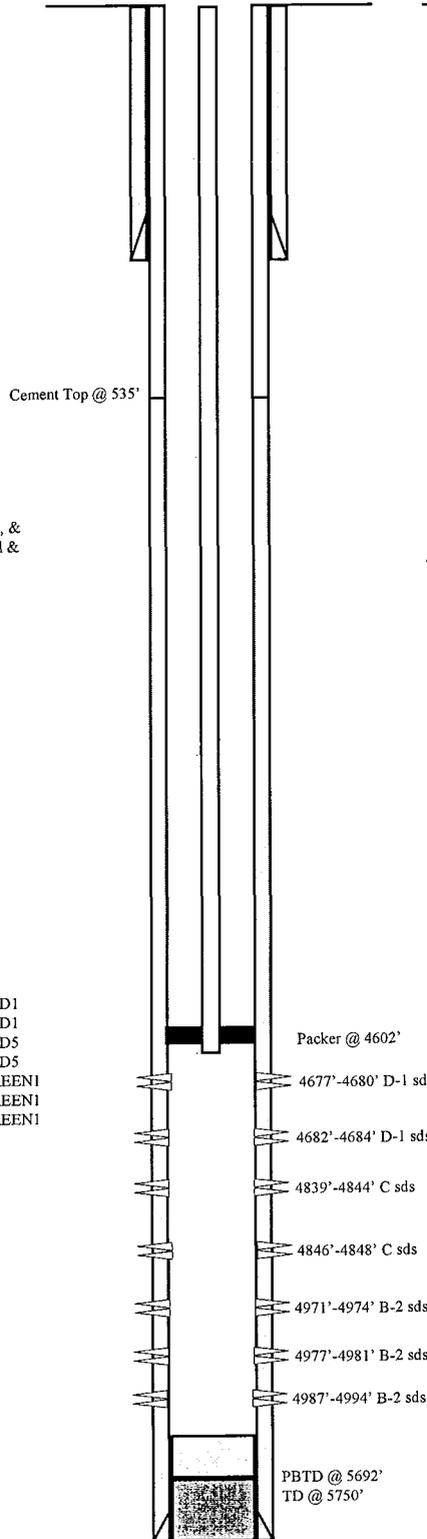
4677' - 4848' KB - 8-24-94 by Western w/43,300# 16/30 mesh sand w/14,238 gallons 2% KCL gelled water. ATP 2640 psi, max 2960 psi. ATR 29.5 bpm, max 29.5 bpm. ISIP 2050 psi, 5 min 1540 psi, 10 min 1400 psi, 15 min 1300 psi.

#### ACID JOB

4971' - 4994' KB - 8-18-94 by Western w/3612 gallons 2% KCL water. ATP 2500 psi, max 4650 psi. ATR 5.2 bpm, max 6 bpm. ISIP 1650 psi.

4677' - 4846' KB - 8-24-94 by Western w/2,730 gallons 2% KCL water. ATP 3200 psi, max 4700 psi. ATR 5.5 bpm, max 7.5 bpm. ISIP 1100 psi. Pump 2 balls/bbl.

5.4-07 **Tubing Leak:** Updated rod and tubing detail.



#### PERFORATION RECORD

4677'-4680' (3')	(4 SPF)	RED1
4682'-4684' (2')	(4 SPF)	RED1
4839'-4844' (5')	(4 SPF)	RED5
4846'-4848' (2')	(4 SPF)	RED5
4971'-4974' (3')	(4 SPF)	GREEN1
4977'-4981' (4')	(4 SPF)	GREEN1
4987'-4994' (7')	(4 SPF)	GREEN1

**NEWFIELD**

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**Balcron Monument Federal 44-1J-9-16**

338 FSL 859 FEL  
 SESE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31415; Lease #U-44426

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Elev. - 5345' GL  
Elev. - 5355' KB

**Monument Federal 11-7J-9-17**

INJECTION DIAGRAM  
Wellbore Diagram

SURFACE CASING

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jts)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI + 1/4#/sk celloflake

PRODUCTION CASING

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5660.72 (143 jts)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A + 17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal, tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL

TUBING RECORD

128 jnts 2 7/8", J-55, 6.5# Tbg (4007.57')  
2 7/8" Seating Nipple 1.10' (4008.67')  
2 3/8" x 2 7/8" Cross Over 0.75'  
Arrow Set-1 Packer 6.20'  
Packer Landed: 4012.44'  
Total String Length: 4016.74'

MIT on 2-23-96, witness by Dennis Ingram (Utah OG&M).  
MIT on 6-27/01, Dennis Ingram (Utah OG&M) & Al Carver (EPA) gave approval to conduct MIT without a witness  
6/22/06 5 Year MIT completed and submitted  
9/26/06 Re-completion (no new perms.)

Logs: Dual Laterolog, Compensated Neutron Litho-Density, Cement Bond Log.

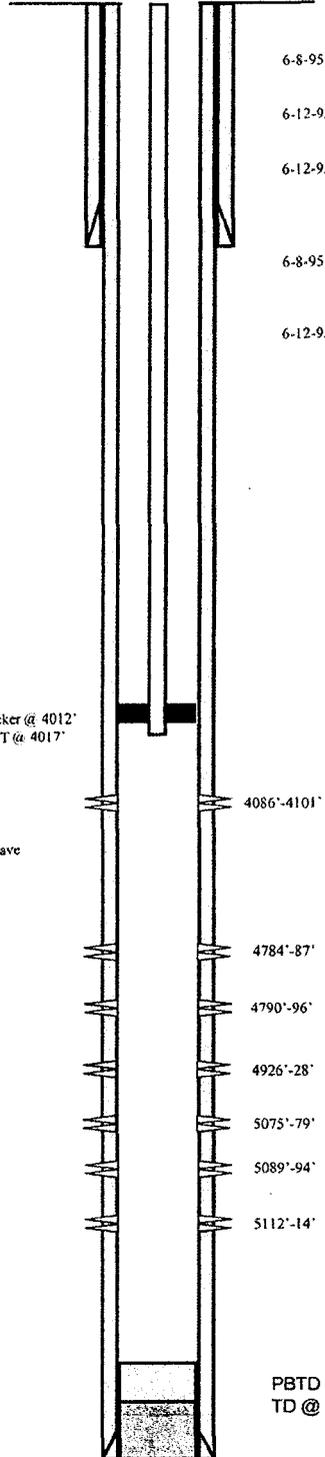
ACID JOB / BREAKDOWN JOB / FRAC JOB

6-8-95 5075'-5114': 2982 gals 2% KCl wtr w/ 100 balls.  
ATR 4.0 bpm. ATP 2600 psig. ISIP 1850 psig.  
6-12-95 4784'-4796': 2058 gals 2% KCl wtr w/ 2 balls/bbl.  
ATR 4.5 bpm. ATP 2200 psig. ISIP 1350 psig.  
6-12-95 4926'-4928': 1596 gals 2% KCl wtr w/ 2 balls/bbl.  
ATR 3.1 bpm. ATP 4000 psig. ISIP 1950 psig.  
6-8-95 5075'-5114': 12,684 gals 2% KCl wtr w/ 27,660 lbs  
16-30 mesh sand. ATR 34.5 bpm. ATP 2400 psig.  
ISIP 2300 psig. 15 min 2060 psig.  
6-12-95 4784'-4928': 15,162 gals 2% KCl wtr w/ 22,200 lbs  
16-30 mesh sand. ATR 35.1 bpm. ATP 3400 psig.  
ISIP 2150 psig. 15 min 1660 psig.

PERFORATION RECORD

6-12-95 4784'-87' 2 SPF (.38") 3 ft 6 holes  
4790'-96' 2 SPF (.38") 6 ft 12 holes  
4926'-28' 2 SPF (.38") 2 ft 4 holes  
6-8-95 5075'-79' 4 SPF (.38") 4 ft 16 holes  
5089'-94' 4 SPF (.38") 5 ft 20 holes  
5112'-14' 4 SPF (.38") 2 ft 8 holes  
6/23/01 4086'-4101' 4 SPF 15 ft 60 holes

Packer @ 4012'  
EOT @ 4017'



**NEWFIELD**

Balcron Monument Federal 11-7J-9-17  
681 FNL 447 FWL  
NWNW Section 7-T9S-R17E  
Duchesne Co, Utah  
API #43-013-31492; Lease #ML-44426

## Monument Butte #1-34

Spud Date: 3/27/83  
 Put on Production: 6/13/83  
 GL: 5449' KB: 5459'

Initial Production: 65 STBOPD,  
 35 MCFD, 0 STBWPD

Wellbore Diagram

### SURFACE CASING

SIZE: 8 5/8" / K-55 / 24 lbs.  
 LENGTH: 7 jts @ 290'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 300' KB  
 CEMENT DATA: 225 sx Class "G" cement to surface.

### PRODUCTION CASING

SIZE: 5 1/2" / J-55 / 15.5 lbs.  
 LENGTH: 0' - 600'  
 SIZE: 5 1/2" / J-55 / 14 lbs.  
 LENGTH: 600' - 6170'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 6170' KB  
 CEMENT DATA: 300 sx BJ Lite & 760 sx Class G  
 CEMENT TOP AT: 1720' from CBL

### TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs.  
 NO. OF JOINTS: 148 jts (4681')  
 TUBING ANCHOR: 4694'  
 NO. OF JOINTS: 39 jts (1232')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5926' KB  
 PERF. SUB: 4.0'  
 TOTAL STRING LANDED: EOT @ 5960'

### SUCKER RODS

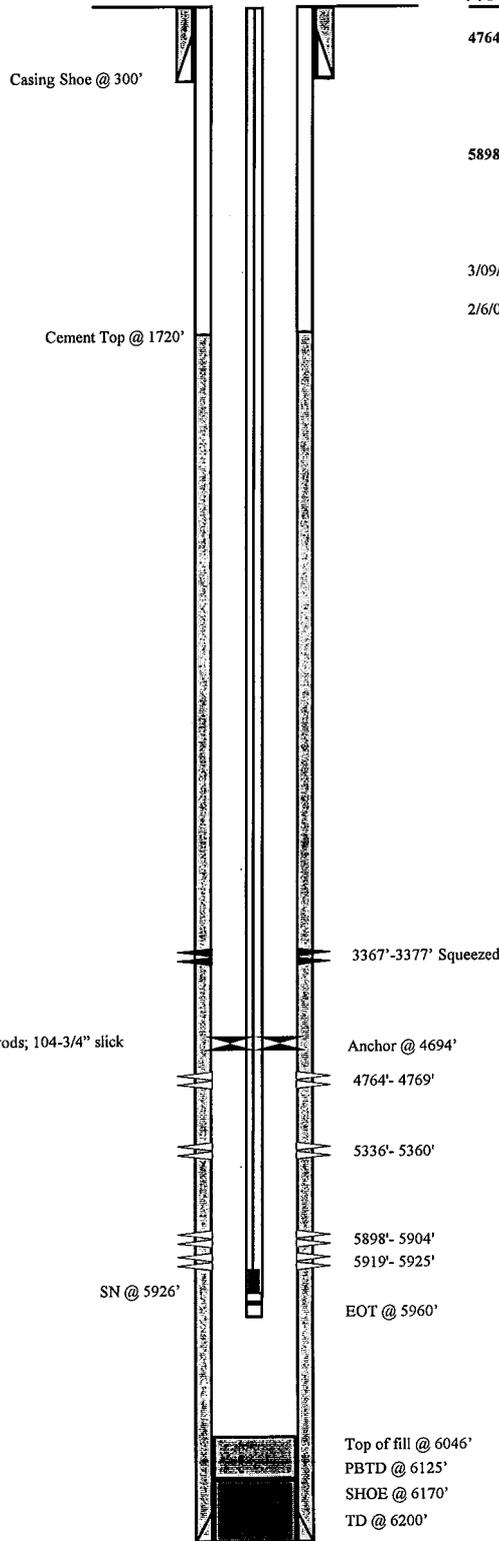
POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight bars; 35-3/4" scraper rods; 104-3/4" slick rods, 90-3/4" scraper rods, 2-2', 1-8' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/SP/GR/CAL

### FRAC JOB

4764'- 4769', **Frac w/Halliburton on 6/5/83.**  
 32500 gal X-Link Gel w/86000 lbs 20-40 mesh sand. Avg. 15 BPM @ 2120 psig, max @ 2430 psig, ISIP @ 2260 psig, 15 min @ 2040 psig. 5336'- 5360' Zone not fraced.

5898'- 5925', **Frac w/Halliburton on 4/23/83.**  
 57000 gal Versagel w/147000 lbs 20-40 mesh sand. Avg. 15 BPM @ 2027 psig, max @ 2470 psig, ISIP @ 2260 psig, 5 min @ 2110 psig, 10 min @ 2040 psig, 15 min 1980 psig.

3/09/02 Rod job. Update rod and tubing details.  
 2/6/04 Pump change. Update rod details.



### PERFORATION RECORD

3367'- 3377' (10') 2 SPF Squeezed 6/11/83  
 4764'- 4769' (5') 3 SPF  
 5336'- 5360' (14') 2 SPF  
 5898'- 5904' (6') 2 SPF  
 5919'- 5925' (6') 2 SPF

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**Monument Butte #1-34**  
 710 FSL & 1980 FEL  
 SWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30736; Lease #UTU-52013

## Monument Butte Federal 1-33-9-16

Spud Date: 4/27/83  
 Put on production: 6/16/83  
 Put on Injection: 8/18/94  
 GL: 5417' KB: 5437'

Initial Production: 110 BOPD,  
 50 MCFD, 0 BWPD

Injection Diagram

### SURFACE CASING

SIZE: 8 5/8" / K-55 / 24#  
 LENGTH: 7 jts @ 284'  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 225 sxs, Class G, Cemented to Surface

### PRODUCTION CASING

SIZE: 5 1/2" / J-55 / 15.5#  
 LENGTH: 12 jts (519')  
 SIZE: 5 1/2" / J-55 / 14#  
 LENGTH: 126 jts (5578')  
 DEPTH LANDED: 6120' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 390 sx, BJ Lite + 710 sx, Class G  
 CEMENT TOP AT: 1880' KB from CBL

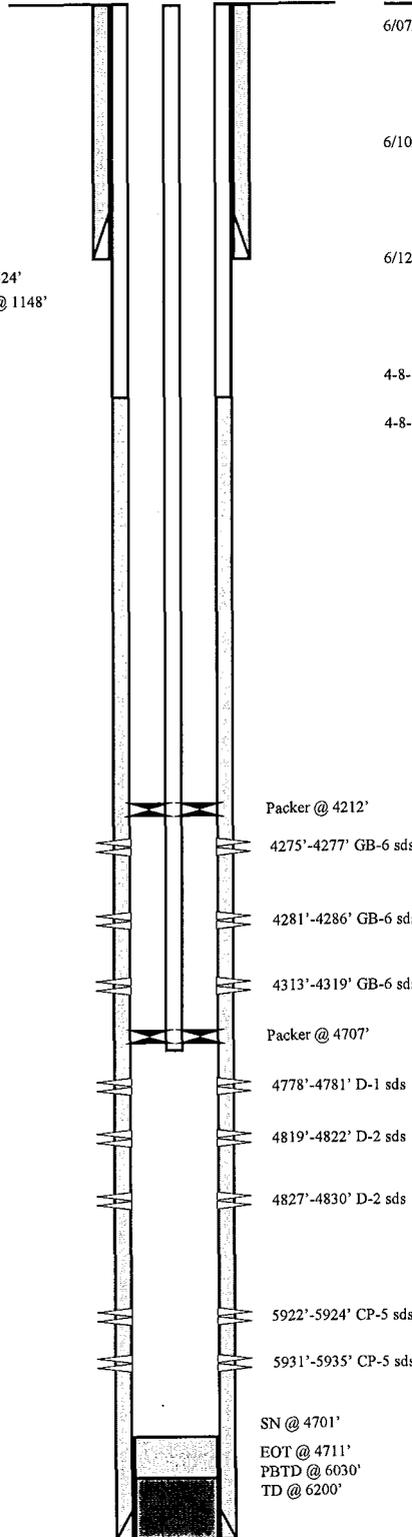
Top of cement @ 524'  
 Bottom of cement @ 1148'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4181.5')  
 TUBING PUP: 2-7/8" / N-80 / 6.5#  
 NO. OF JOINTS: 2 jts (10.0')  
 TUBING PACKER: 4216'  
 CROSSOVER: 2 3/8" J-55  
 NO. OF JOINTS: 15 jts 2 3/8" (480.2')  
 SEATING NIPPLE: 2-3/8" / N-80 (1.10')  
 SN LANDED AT: 4701.3 KB  
 CROSSOVER: 2 7/8" J-55  
 STINGER & LOCATOR AT 4703'  
 TUBING PACKER: 4707'  
 TOTAL STRING LENGTH: EOT @ 4711'

### FRAC JOB

6/07/83	5922'-5935'	<b>Frac zone as follows:</b> 52,000# 20/40 sand in 755 bbls fluid. Treated @ avg press of 2300 psi w/avg rate of 20 BPM. ISIP 2100 psi. Calc. flush: 5922 gal., Actual flush: 6100 gal.
6/10/83	4778'-4830'	<b>Frac zone as follows:</b> 50,000# 20/40 sand in 693 bbls fluid. Treated @ avg press of 1857 psi w/avg rate of 20 BPM. ISIP 2000 psi. Calc. flush: 4778 gal., Actual flush: 5100 gal.
6/12/83	4275'-4319'	<b>Frac zone as follows:</b> 70,000# 20/40 sand in 776 bbls fluid. Treated @ avg press of 2100 psi w/avg rate of 20 BPM. ISIP 2000 psi. Calc. flush: 4275 gal., Actual flush: 4600 gal.
4-8-10		Workover - Casing Leak - tbg detail updated
4-8-10		MIT



### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
6/07/83	5931'-5935'	3 JSPF	12 holes
6/07/83	5922'-5924'	3 JSPF	06 holes
6/09/83	4827'-4830'	2 JSPF	06 holes
6/09/83	4819'-4822'	2 JSPF	08 holes
6/09/83	4778'-4781'	2 JSPF	08 holes
6/12/83	4313'-4319'	3 JSPF	18 holes
6/12/83	4281'-4286'	3 JSPF	18 holes
6/12/83	4275'-4277'	3 JSPF	12 holes

SN @ 4701'  
 EOT @ 4711'  
 PBTD @ 6030'  
 TD @ 6200'

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**NEWFIELD**

**Monument Butte Federal 1-33-9-16**  
 1980 FSL & 1980 FEL  
 NWSE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30735; Lease #U-52013

# Monument Butte Federal #1-43-9-16

Spud Date: 3/24/83  
 Put on Production: 6/10/98  
 GI: 5404' KB: 5424'

Initial Production: 100 STBOPD,  
 50 MCFD, 0 STBWPD

## Wellbore Diagram

## FRAC JOB

### SURFACE CASING

CSG SIZE: 8 5/8" K-55 - 24 lbs  
 LENGTH: 8 jts @ 328'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 348' KB  
 CEMENT DATA: 225 ss, Class-G Cement to surface

### PRODUCTION CASING

CSG SIZE: 5 1/2" K-55 - 14#  
 LENGTH: 51 jts  
 CSG SIZE: 5 1/2" K-55 - 15.5#  
 LENGTH: 101 jts  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 6127' KB  
 CEMENT DATA: 400 ss BJ Lite + 830 ss, Class-G  
 CEMENT TOP AT: 1500' KB from CBI

### TUBING RECORD

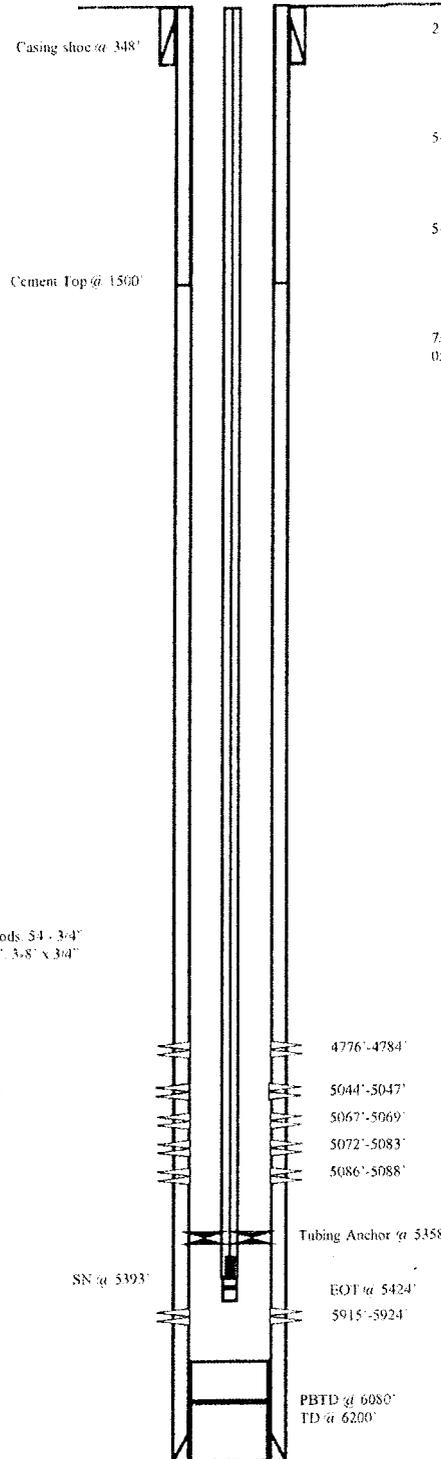
SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#  
 NO. OF JOINTS: 176 jts @ 5358.30'  
 TUBING ANCHOR: 5358.30' KB  
 NO. OF JOINTS: 1 jt (31.70')  
 SEATING NIPPLE: 2 7/8" x 1.1'  
 SN LANDED AT: 5392.7' KB  
 MUD ANCHOR: 1 jt (29.52')  
 TOTAL STRING LENGTH: 5424' KB

### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' polished  
 SUCKER RODS: 6 1 1/2" weight rods, 90 3/4" guided rods, 54 3/4" sucker rods, 55 3/4" guided rods, 10 3/4" guided rod, 1-2' 3/8" x 3/4" pony rods, 6-1 1/2" guided rods?  
 PUMP SIZE: 2-1/2 x 1-1/2 x 18" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 spm  
 LOGS: Cement Bond, Dual Induction-SFL, Compensated Neutron-Litho Density, Temperature Survey, Electromagnetic Propagation, Volan

### PERFORATION RECORD

4776'-4784' (8') 4 SPF (2-17-94) Red1  
 5044'-5047' (3') 2 SPF Green1  
 5067'-5069' (2') 2 SPF Green1  
 5072'-5083' (11') 2 SPF Green1  
 5086'-5088' (2') 2 SPF Green1  
 5915'-5924' (9') 3 SPF Blue



## NEWFIELD

Monument Butte Federal #1-43-9-16  
 1980 FSL & 660 FEL  
 NESE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30734; Lease #UTU-52013

Spud Date: 5/20/84  
 Put on Production: 9/3/84  
 Put on Injection: 9/3/84  
 GL: 5379' KB: 5393'

## Allen Federal #13-6-9-17

Initial Production: 45 STBOPD, 50 MCFD, 7 STBWPD

Injection Diagram

**SURFACE CASING**

CSG SIZE: 8 5/8" / K-55 / 24#  
 LENGTH: 6 jts @ 237'  
 DEPTH LANDED: 251' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 180 sx Class G w/1/4# sx Cello Seal & 2% CaCl  
 Cemented to surface.

**PRODUCTION CASING**

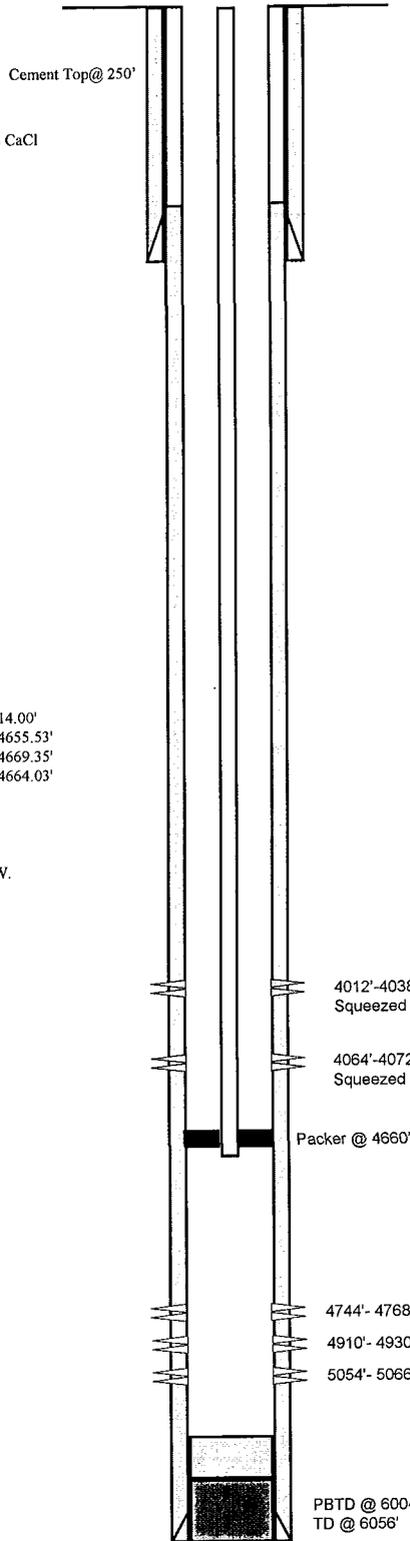
CSG SIZE: 5 1/2" / J-55 / 15.5#  
 LENGTH: 1125'  
 CSG SIZE: 5 1/2" / J-55 / 14#  
 LENGTH: 4885'  
 DEPTH LANDED: 6050' KB (Shoe jnt - 40.38')  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 165 sx Hifill, 500 sx Thioxotropic w/  
 5# Gilonnite, 1/4# Flocele  
 CEMENT TOP AT: 250', CBL up to 1000'.

**INJECTION EQUIPMENT & SIZE**

1) 147jts 2 3/8 J-55 tbg	4641.53'	14.00'
2) 2 3/8" Standard SN	1.1'	4655.53'
3) 5.5" Arrow Set-1 Pkr	5.65'	4669.35'
Total String Length		4664.03'

Injection Packers Set 10-21-93 By Mtn States.  
 2.375" SN ID @ 1 25/32".  
 Arrow Set-1 Pkr set w/15,000 lbs tension.  
 Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.  
 Casing MIT performed 10-21-93.

LOGS: Cement Bond, Dual Laterlog, Compensated Density/Neutron.



**FRAC JOB**

**6-20-84 5054'-5066', Frac**  
 63,000 gal YF-140 w/126,000 lbs 20-40 mesh sand,  
 1 to 5 lbs/gal @ 21.5 BPM, Max. 2840 psig, Avg 2400  
 psig, ISIP @ 2280 psig, 5 min @ 2000 psig, 10 min @  
 1900 psig, 15 min @ 1840 psig.

**7-10-84 4744'-4768', Frac**  
 71,000 gal YF-140 w/128,000 lbs 20-40 mesh sand,  
 1 to 5 lbs/gal @ 25 BPM, Max. 2800 psig, Avg 1850  
 psig, ISIP @ 2200 psig, 5 min @ 1800 psig, 10 min @  
 1720 psig, 15 min @ 1660 psig.

**8-02-84 4012'-4072', Frac**  
 2475 bbl YF4G w/168,000 lbs 20-40 mesh sand, Avg 2200  
 psig @ 35 BPM, ISIP 1720psig. Calc. Flush: 4012 gal;  
 Actual flush: 3990 gal.

**12-17-92 4910'-4930', Frac**  
 9576 gal Viking I-35 w/15,000 lbs 20-40 sand,  
 Avg 10.9 BPM @ 4000 psig, ISIP @ 2100 psig,  
 5 min @ 1810 psig, 10 min @ 1730 psig,  
 15 min @ 1670 psig (Frac down 2 3/8" tbg).

**1/9/08 5 Year MIT completed and submitted.**

**10/14/08 Workover (tubing leak) MIT.**

Perfs squeezed by Halliburton w/50 sx  
 2% Calcium Chloride & 100 sx Class H  
 Cement, squeezed @ 3300 psig.

**PERFORATION RECORD**

6/20/84	5054'-5066'	2 SPF	25 holes
8/02/84	4012'-4038'	2 SPF	13 holes
8/02/84	4064'-4072'	1 SPF	04 holes
7/10/84	4744'-4768'	2 SPF	49 holes
6/20/84	5054'-5066'	2 SPF	25 holes
12/17/94	4910'-4930'	2 SPF	40 holes

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**NEWFIELD**

Allen Federal #13-6-9-17  
 2070 FSL & 578 FWL  
 NWSW Section 6-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-30918; Lease #U-020252A

# Jonah X-6-9-17

Spud Date: 02/20/2010  
 Put on Production: 04/08/2010  
 GL: 5323' KB: 5335'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (307.92)  
 DEPTH LANDED: 319.77  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6223.33')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6248.58'  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 30'

### TUBING

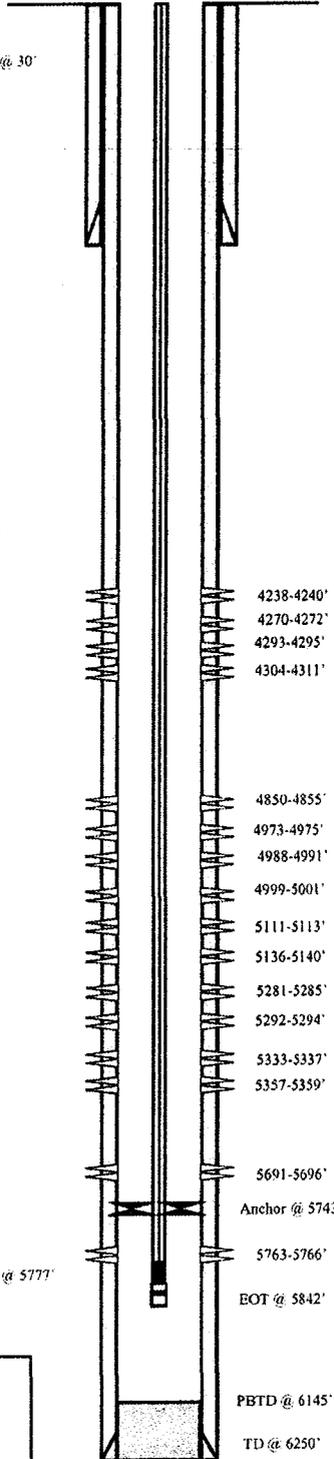
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 182 jts (5731.2')  
 TUBING ANCHOR: 5743.2'  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5777.5' KB  
 NO. OF JOINTS: 2 jts (62.9')  
 TOTAL STRING LENGTH: EOT @ 5842'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 2' x 7/8" pony rod, 1 - 4' x 7/8" pony rod, 1 - 8' x 7/8" pony rod; 225 - 7/8" guided rods (8 per); 4 - 1 1/2" weight bars  
 PUMP SIZE: 2 1/4 x 1 3/4 x 20' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 5

Cement Top @ 30'

SN @ 5777'



### FRAC JOB

4-10-10	5691-5766'	Frac CP.5 & CP1 sands as follows: Frac with 20274# 20/40 sand in 179 bbis Lightning 17 fluid.
4-10-10	5281-5359'	Frac A1 & A3 sands as follows: Frac with 50107# 20/40 sand in 327 bbis Lightning 17 fluid.
4-10-10	4973-5140'	Frac C B1 & B2 sands as follows: Frac with 60034# 20/40 sand in 377 bbis Lightning 17 fluid.
4-10-10	4850-4855'	Frac D2 sands as follows: Frac with 20393# 20/40 sand in 167 bbis Lightning 17 fluid.
4-10-10	4238-4311'	Frac GB4 & GB6 sands as follows: Frac with 139308# 20/40 sand in 850 bbis Lightning 17 fluid.
5/7/2010		Pump maintenance. Updated rod and tubing detail.

### PERFORATION RECORD

5763-5766'	3 JSPP	9 holes
5691-5696'	3 JSPP	15 holes
5357-5359'	3 JSPP	6 holes
5333-5337'	3 JSPP	12 holes
5292-5294'	3 JSPP	6 holes
5281-5285'	3 JSPP	12 holes
5136-5140'	3 JSPP	12 holes
5111-5113'	3 JSPP	6 holes
4999-5001'	3 JSPP	6 holes
4988-4991'	3 JSPP	9 holes
4973-4975'	3 JSPP	6 holes
4850-4855'	3 JSPP	15 holes
4304-4311'	3 JSPP	21 holes
4293-4295'	3 JSPP	6 holes
4270-4272'	3 JSPP	6 holes
4238-4240'	3 JSPP	6 holes

**NEWFIELD**

**Jonah X-6-9-17**  
 1107' FNL & 2230' FWL (NE/NW)  
 Section 7, T9S, R17E  
 Duchesne Co, Utah  
 API # 43-013-34120; Lease # UTU-44426

## Jonah 6-7-9-17

Spud Date: 4-13-98  
 Put on Production: 5-19-98  
 GL: 5420' KB: 5430'

Initial Production: 84 BOPD, 64 MCFD, 7 BOPD

### Injection Wellbore Diagram

#### SURFACE CASING

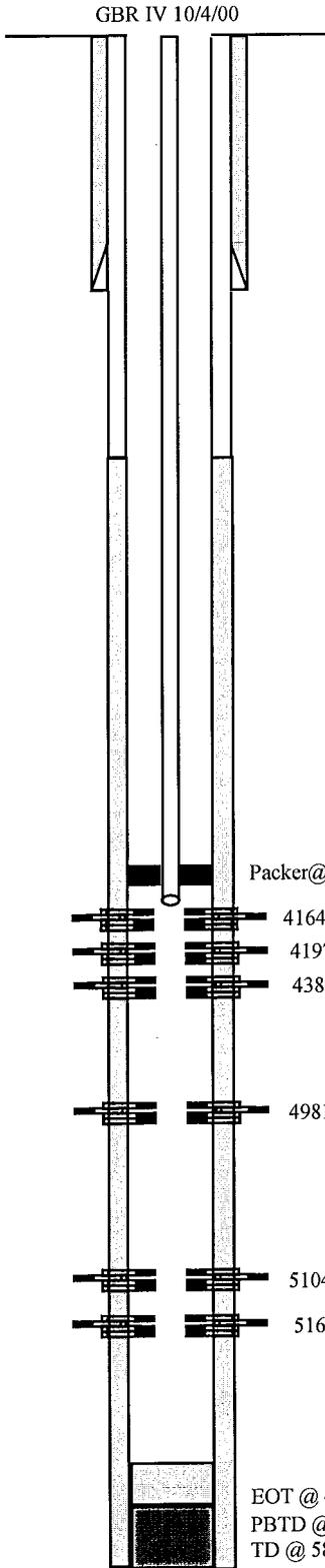
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (290')  
 DEPTH LANDED: 300'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 4-1/2 bbl cmt to surface

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts (5778')  
 DEPTH LANDED: 5788'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 295 sk Hibond & 300 sxs Thixotropic  
 CEMENT TOP AT:

#### Tubing Record

Grade & Wt.: 2-7/8", M-50, 6.5#  
 Number of Joints: 132  
 Packer: 4078'  
 SN: 4077'  
 EOT: 4086'



#### FRAC JOB

5-9-98	5104'-5171'	<b>Frac A sand as follows:</b> 96,200# 20/40 sand in 486 bbls Viking. Breakdown @ 3800 psi. Treated w/avg press of 2000 psi w/avg rate of 30.4 BPM. ISIP-2670 psi, 5 min 2034 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.
5-12-98	4981'-4988'	<b>Frac B sand as follows:</b> 95,680# 20/40 sand in 506 bbls Viking. Breakdown @ 3710 psi. Treated w/avg press of 2250 psi w/avg rate of 26.5 BPM. ISIP-2500 psi, 5 min 1879 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.
5-14-98	4380'-4387'	<b>Frac PB sand as follows:</b> 98,680# 20/40 sand in 488 bbls Viking. Breakdown @ 1900 psi. Treated w/avg press of 1800 psi w/avg rate of 25.1 BPM. ISIP-2100 psi, 5 min 1915 psi. Flowback on 12/64" ck for 3 hrs & died.
5-16-98	4164'-4207'	<b>Frac GB sand as follows:</b> 95,560# 20/40 sand in 468 bbls Viking. Breakdown @ 2568 psi. Treated w/avg press of 1800 psi w/avg rate of 28 BPM. ISIP-2000 psi, 5 min 1870 psi. Flowback on 12/64" ck for 4 hrs & died.
4/29/08		<b>Zone Stimulation.</b>
09-11-00		<b>Convert to Injection well</b>
06-10-10		<b>5 Yr MIT completed - tbg detail updated</b>

#### PERFORATION RECORD

Date	Depth Range	SPF	Holes
5-7-98	5104'-5109'	4	20
5-7-98	5167'-5171'	4	16
5-10-98	4981'-4988'	4	28
5-13-98	4380'-4387'	4	28
5-15-98	4164'-4166'	4	8
5-15-98	4197'-4207'	4	40

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**APR 11 2011**

**DIV. OF OIL, GAS & MINING**

**NEWFIELD**



**Jonah 6-7-9-17**  
 1857 FNL 1744 FWL  
 SENW Section 7-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31987; Lease #UTU-44426

EOT @ 4086'  
 PBTD @ 5740'  
 TD @ 5800'

## Getty Federal #12-1-9-16

Spud Date: 1/30/84  
Put on Production: 3/13/84

Initial Production: 60 BOPD,  
106 MCFD, 3 BWPD

GL: 5412' KB: 5425'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (227')  
DEPTH LANDED: 240'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 175 sxs Class "H" cmt, circulate to surf.

#### PRODUCTION CASING

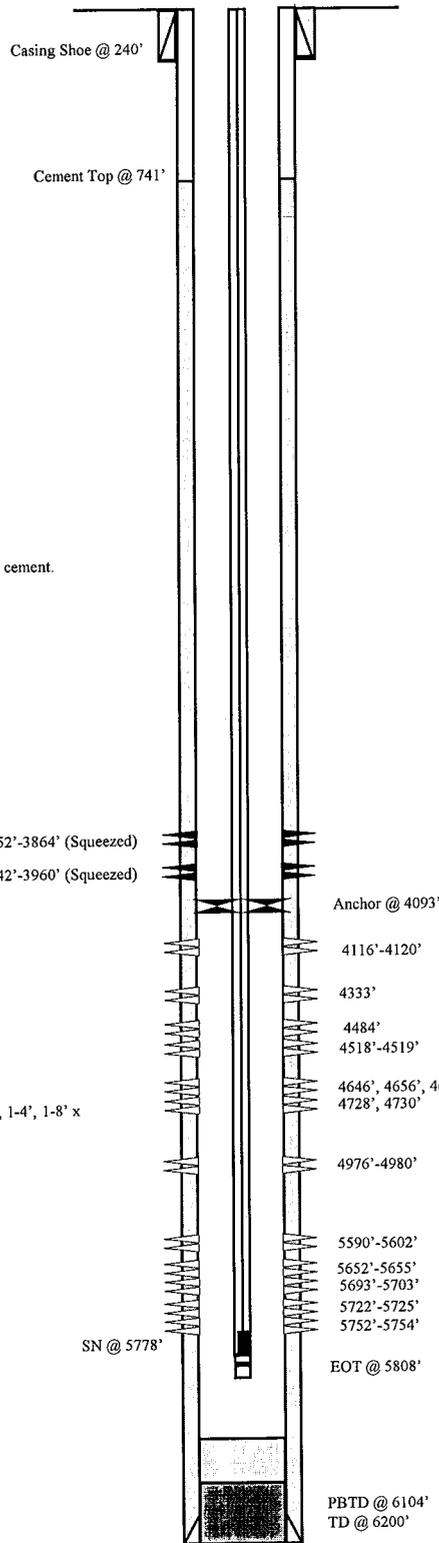
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 151 jts. (6160')  
DEPTH LANDED: 6173'  
HOLE SIZE: 8 3/4"  
CEMENT DATA: 760 sxs 65/35 POZ & 555 sxs Class "H" cement.  
CEMENT TOP AT: 741' per CBL

#### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / ?#  
NO. OF JOINTS: 127 jts (4077.23')  
TUBING ANCHOR: 4093.03' KB  
NO. OF JOINTS: 59 jts (1684.85')  
SEATING NIPPLE: 2-3/8" (1.10')  
SN LANDED AT: 5778.75' KB  
NO. OF JOINTS: 1 jts Perf sub. (3.00')  
NO. OF JOINTS: 1 jts (26.40')  
TOTAL STRING LENGTH: EOT @ 5808.32' KB

#### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 26-3/4" guide rods; 203-3/4" plain rods, 1-2", 1-4", 1-8" x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
STROKE LENGTH:  
PUMP SPEED, SPM:  
LOGS: DIGL/SP/GR/CAL



#### FRAC JOB

2/25/84	5693'-5754'	<b>Frac zone as follows:</b> 60,000# 20/40 sand + 20,000# 12/20 sand in 642 bbls Apollo fluid. Treated @ avg press of 2800 psi w/avg rate of 27 BPM. ISIP 1200 psi. Calc. flush: 5693 gal. Actual flush: 2058 gal. Screened out w/ 13,000# sand in casing.
2/26/84	3852'-4730'	<b>Frac zone as follows:</b> 60,000# 20/40 sand + 20,000# 10/20 sand in 717 bbls Apollo fluid. Treated @ avg press of 3400 psi w/avg rate of 30 BPM. ISIP 1400 psi. Calc. flush: 3852 gal. Actual flush: 3864 gal.
3/27/84	5590'-5602'	<b>Frac zone as follows:</b> 50,000# 20/40 sand in 476 bbls Apollo fluid. Treated @ avg press of 4600 psi w/avg rate of 20 BPM. ISIP 1500 psi. Calc. flush: 1401 gal. Actual flush: 1386 gal.
3/29/84	4399'-4410'	<b>Frac zone as follows:</b> 50,000# 20/40 sand in 476 bbls Apollo fluid. Treated @ avg press of 4300 psi w/avg rate of 21 BPM. ISIP 1750 psi. Calc. flush: 1114 gal. Actual flush: 1113 gal.
8/31/94	4976'-4980'	<b>Frac zone as follows:</b> 13,560# 16/30 sand in 123 bbls Viking I-35 fluid. Treated @ avg press of 4500 psi w/avg rate of 8.1 BPM. ISIP 1740 psi. Calc. flush: 950 gal. Actual flush: 924 gal.
8/07/96		Pump change. Update rod and tubing details.

#### PERFORATION RECORD

2/25/84	5652', 5654', 5655', 5693', 5698', 5700', 5703', 5722', 5725', 5752', 5754'	1 JSPF
2/26/84	3852', 3858', 3860', 3862', 3864', 3942', 3946', 3952', 3956', 3960', 4116', 4118', 4120', 4333', 4393', 4396', 4398', 4400', 4402', 4405', 4408', 4484', 4518', 4519', 4646', 4656', 4670', 4690', 4728', 4730'	1 JSPF
3/27/84	5590'-5602'	4 JSPF 48 holes
3/30/84	4399'-4410'	3 JSPF 30 holes
8/31/94	4976'-4980'	4 JSPF 16 holes



Getty Fed. #12-1-9-16  
501' FNL & 2012' FEL  
NWNE Section 12-T9S-R19E  
Duchesne Co, Utah  
API #43-013-30889; Lease #UTU-44426

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**APR 11 2011**

# Jonah T-1-9-16

Spud Date: 1/7/2010  
 Put on Production: 2/12/2010  
 GL: 5406' KB: 5418'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 172 jts. (307.83')  
 DEPTH LANDED: 319.68'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cm

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 165 jts. (6140.26')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6154.56'  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 44'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 168 jts (5309')  
 TUBING ANCHOR: 5321'  
 NO. OF JOINTS: 1 jts (31.6')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5355.4' KB  
 NO. OF JOINTS: 2 jts (63.2')  
 TOTAL STRING LENGTH: EOT @ 5420'

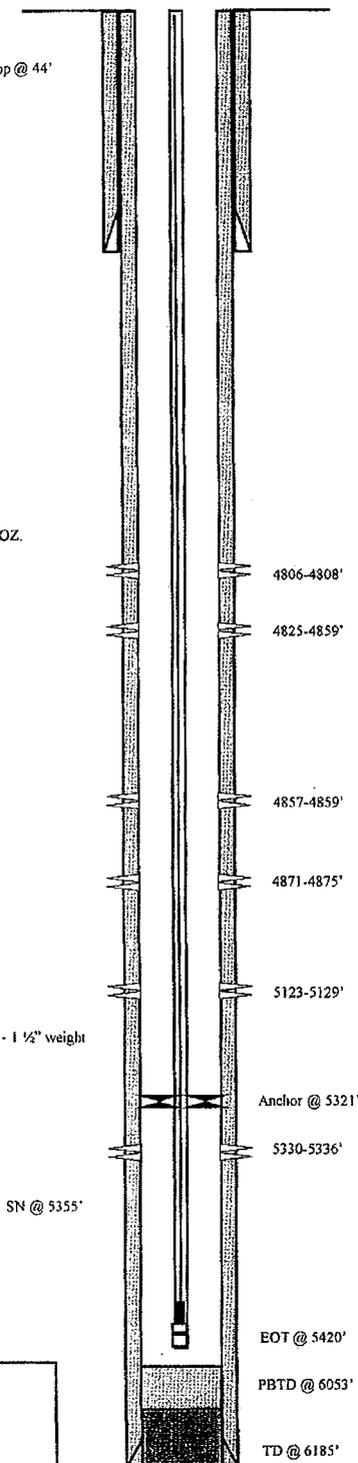
### SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 4' x 7/8" pony rod, 209 - 7/8" guided rods, 4 - 1 1/2" weight rods  
 PUMP SIZE: 2 1/2 x 1 1/4 x 20' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: 5 SPM

### FRAC JOB

2-12-10 5330-5336' Frac A3 sands as follows:  
 Frac with 20340# 20/40 sand in 171 bbls  
 Lightning 17 fluid.  
 2-12-10 5123-5129' Frac B2 sands as follows:  
 Frac with 29882# 20/40 sand in 254 bbls  
 Lightning 17 fluid  
 2-12-10 4806'-4875' Frac D1 & D2 sands as follows:  
 Frac with 90904# of 20/40 sand in 543  
 bbls Lightning 17 fluid

Cement Top @ 44'



### PERFORATION RECORD

5330-5336'	3 JSPF	18 holes
5123-5129'	3 JSPF	18 holes
4871-4875'	3 JSPF	12 holes
4857-4859'	3 JSPF	6 holes
4825-4827'	3 JSPF	6 holes
4806-4808'	3 JSPF	6 holes

**NEWFIELD**

Jonah T-1-9-16  
 1969' FSL & 646' FEL  
 Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-34119; Lease # UTU-52013

# JONAH FEDERAL N-6-9-17

Spud Date: 11/01/07  
 Put on Production: 10/16/07  
 GL: 5373' KB: 5385'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (307.10')  
 DEPTH LANDED: 318.95' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts. (6219')  
 DEPTH LANDED: 6233.13' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

### TUBING

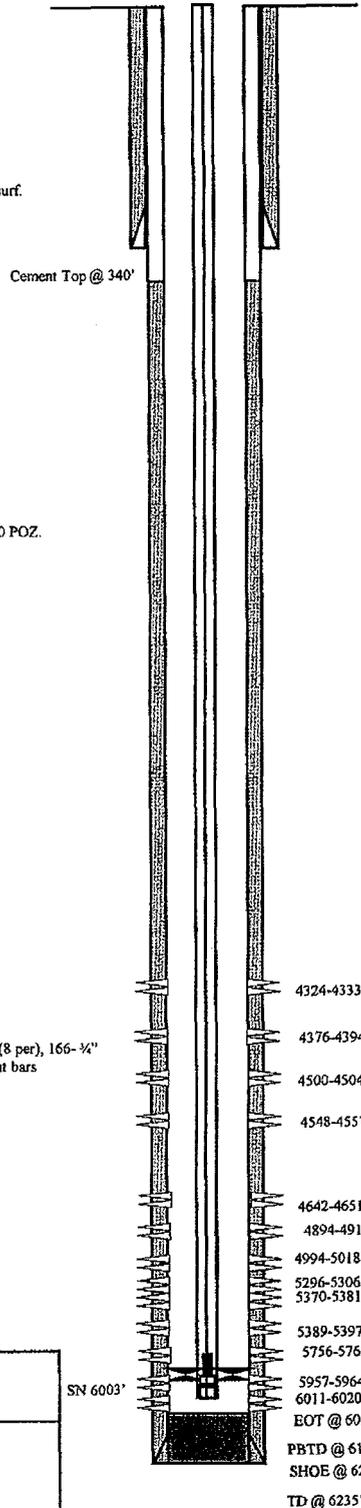
SIZE/GRADE/AWT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 190 jts (5938.5')  
 TUBING ANCHOR: 5938.5' KB  
 NO. OF JOINTS: 2 jts (61.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6002.9' KB  
 NO. OF JOINTS: 1 jts (31.3')  
 TOTAL STRING LENGTH: EOT @ 6036' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1 - 2' x 3/4" pony rod, 60 - 7/8" guided rods (8 per), 166 - 3/4" guided rods (8 per), 10 - 7/8" guided rods (8 per), 4 - 1 1/2" weight bars  
 PUMP SIZE: CDI 2-1/2" x 1 3/4" x 16' x 20' RHAC  
 STROKE LENGTH: 168"  
 PUMP SPEED, Flowing SPM: 6

### FRAC JOB

01/14/08 5957-6020'  01/14/08 5756-5765'  01/14/07 5370-5397'  01/14/07 5296-5306'  01/15/07 4994-5018'  01/15/07 4894-4914'  01/15/07 4500-4557'  01/15/07 4324-4394'  9/5/08 12/29/08 7/7/2010	Frac CP5 & CP4 sands as follows: 40678# 20/40 sand in 490 bbls Lightning 17 frac fluid. Treated @ avg press of 2318 psi w/avg rate of 26.6 BPM. ISIP 1971 psi. Calc flush: 5955 gal. Actual flush: 5502 gal.  Frac CP2 sands as follows: 36607# 20/40 sand in 435 bbl Lightning 17 frac fluid. Treated @ avg press of 1461 psi w/avg rate of 20.4 BPM. ISIP 1718 psi. Calc flush: 5755 gal. Actual flush: 5250 gal.  Frac A3 sands as follows: 30101# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2121 psi w/avg rate of 20.5 BPM. ISIP 2143 psi. Calc flush: 5368 gal. Actual flush: 4914 gal.  Frac A1 sands as follows: 15123# 20/40 sand in 278 bbls Lightning 17 frac fluid. Treated @ avg press of 2446 psi w/avg rate of 23.2 BPM. ISIP 2245 psi. Calc flush: 5294 gal. Actual flush: 4830 gal.  Frac D1 sands as follows: 100403# 20/40 sand in 749 bbls Lightning 17 frac fluid. Treated @ avg press of 2335 psi w/avg rate of 25.3 BPM. ISIP 2436 psi. Calc flush: 4992 gal. Actual flush: 4536 gal.  Frac D2 sands as follows: 70057# 20/40 sand in 580 bbls Lightning 17 frac fluid. Treated @ avg press of 1831 psi w/avg rate of 25.4 BPM. ISIP 2220 psi. Calc flush: 4892 gal. Actual flush: 4410 gal.  Miss Fire. Unknown zone  Frac PB10 & PB8 sands as follows: 45593# 20/40 sand in 422 bbls Lightning 17 frac fluid. Treated @ avg press of 2502 psi w/avg rate of 25.7 BPM. ISIP 2168 psi. Calc flush: 4998 gal. Actual flush: 4032 gal.  Frac GB4 & GB6 sands as follows: 120292# 20/40 sand in 847 bbls Lightning 17 frac fluid. Treated @ avg press of 2035 psi w/avg rate of 29.7 BPM. ISIP 2206 psi. Calc flush: 4322 gal. Actual flush: 4326 gal.  Unit Upgrade. Rod & tubing details updated. Parted rods. Updated R & T detail. Parted rods. Updated rod and tubing detail.
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### PERFORATION RECORD

4324-4333'  4376-4394'  4500-4504'  4548-4557'  4642-4651' mis fire 4894-4914' 4994-5018' 5296-5306' 5370-5381'  5389-5397' 5756-5765'  5957-5964' 6011-6020' EOT @ 6036'  PBTD @ 6154' SHOE @ 6233'  TD @ 6235'	6011.-6020' 4 JSPF 36 holes 5957-5964' 4 JSPF 28 holes 5756-5765' 4 JSPF 36 holes 5389-5397' 4 JSPF 32 holes 5370-5381' 4 JSPF 44 holes 5296-5306' 4 JSPF 40 holes 4994-5018' 4 JSPF 96 holes 4894-4914' 4 JSPF 80 holes 4642-4651' 4 JSPF 36 holes (mis fire) 4548-4557' 4 JSPF 36 holes 4500-4504' 4 JSPF 16 holes 4376-4394' 4 JSPF 72 holes 4324-4333' 4 JSPF 36 holes
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**JONAH FED. N-6-9-17**

2060' FSL & 598' FWL

2642' FSL & 1213' FWL

NW/SW Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-33500; Lease # UTU-020252-A

1084



## Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **Ashley IF**  
Sample Point: **tank**  
Sample Date: **1 / 7 / 2011**  
Sales Rep: **Monty Frost**  
Lab Tech: **Peter Poulsen**

Sample ID: **WA-53130**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/24/2011	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	100	Calcium (Ca):	34.57	Chloride (Cl):	3000.00
Sample Pressure (psig):		Magnesium (Mg):	18.40	Sulfate (SO <sub>4</sub> ):	10.00
Specific Gravity (g/cm <sup>3</sup> ):	1.0017	Barium (Ba):	7.62	Dissolved CO <sub>2</sub> :	-
pH:	7.98	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	927.00
Turbidity (NTU):	-	Sodium (Na):	2218.00	Carbonate (CO <sub>3</sub> ):	-
		Potassium (K):	-	H <sub>2</sub> S:	1.00
Calculated T.D.S. (mg/L)	6217	Iron (Fe):	0.32	Phosphate (PO <sub>4</sub> ):	-
Molar Conductivity (µS/cm):	9420	Manganese (Mn):	0.02	Silica (SiO <sub>2</sub> ):	-
Resitivity (Mohm):	1.0616	Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
		Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub>
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100		4.86	11.91	0.00	-2023.00	0.00	-2138.60	-	-	2.71	6.25	0.26
80	0	3.61	8.98	0.00	3.62	0.00	-2280.60	-	-	4.10	8.00	0.13
100	0	4.86	11.91	0.00	7.31	0.00	-2138.70	-	-	2.71	6.25	0.16
120	0	6.11	14.46	0.00	10.28	0.00	-1932.90	-	-	1.83	4.19	0.17
140	0	7.38	16.89	0.00	12.81	0.00	-1692.50	-	-	1.27	1.80	0.20
160	0	8.59	19.05	0.00	14.86	0.00	-1442.00	-	-	0.89	-0.93	0.22
180	0	9.63	20.78	0.00	16.27	0.00	-1199.60	-	-	0.64	-4.03	0.24
200	0	10.46	21.95	0.00	16.91	0.00	-977.39	-	-	0.47	-7.51	0.24
220	2.51	10.94	22.56	0.00	16.78	0.00	-789.27	-	-	0.34	-11.65	0.25
240	10.3	11.20	22.38	0.00	15.91	0.00	-621.34	-	-	0.25	-16.09	0.25
260	20.76	11.19	21.60	0.00	14.67	0.00	-481.36	-	-	0.19	-21.06	0.25
280	34.54	10.93	20.30	0.00	13.32	0.00	-367.07	-	-	0.14	-26.63	0.26
300	52.34	10.47	18.65	0.00	11.99	0.01	-275.34	-	-	0.11	-32.87	0.26

#### Conclusions:

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

#### Notes:

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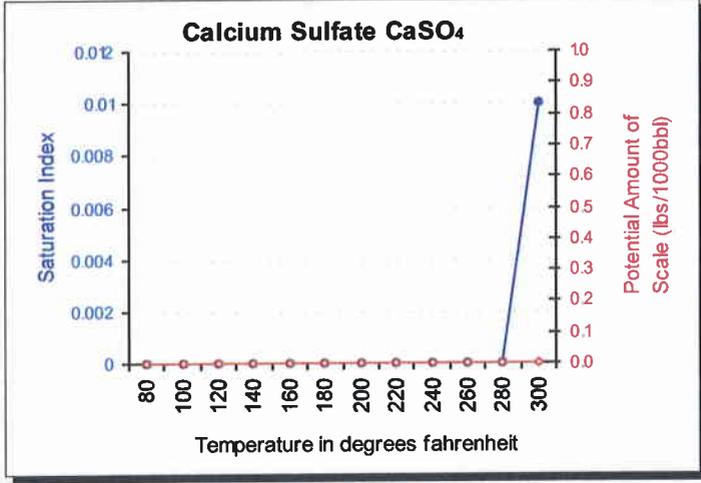
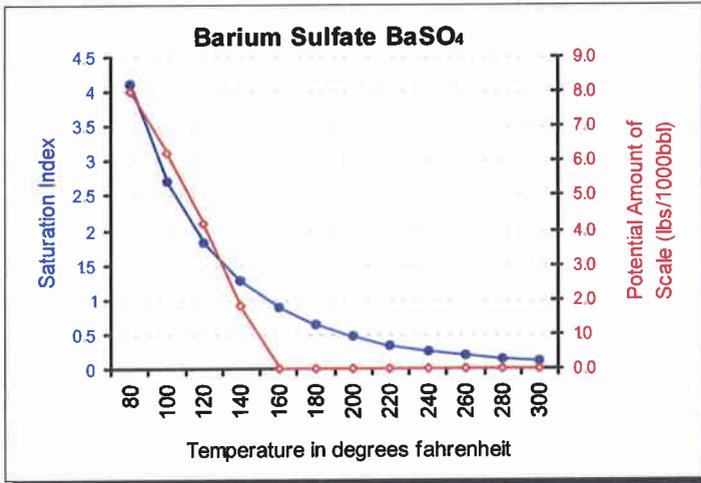
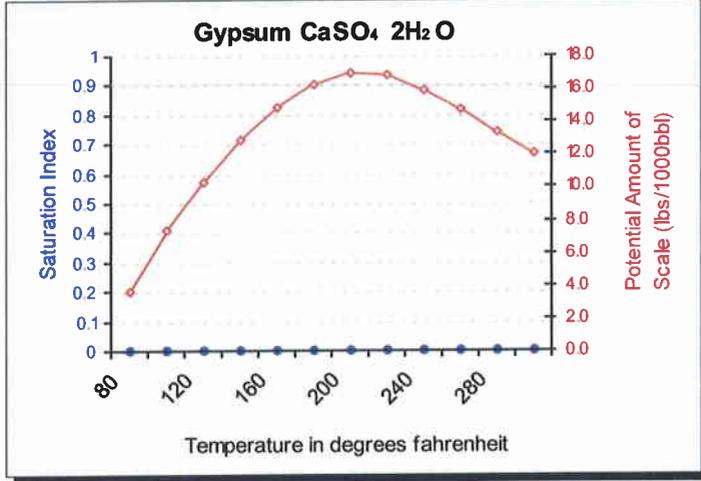
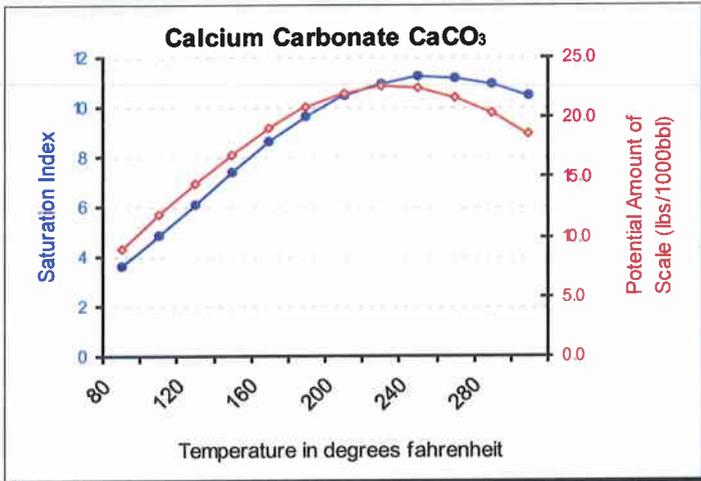
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**Multi-Chem Group, LLC**  
 Multi-Chem Analytical Laboratory  
 1553 East Highway 40  
 Vernal, UT 84078

Scale Prediction Graphs

Well Name: Ashley IF

Sample ID: WA-53130



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## Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

multi-chem®

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-52903**

Well Name: **Federal 41-12J-9-16**

Sample Point: **Tank**

Sample Date: **1 /12/2011**

Sales Rep: **Monty Frost**

Lab Tech: **John Keel**

Sample Specifics		Analysis @ Properties in Sample Specifics					
Test Date:	1/18/2011	<b>Cations</b>		<b>mg/L</b>	<b>Anions</b>		<b>mg/L</b>
Temperature (°F):	100	Calcium (Ca):	8.80	Chloride (Cl):	3000.00		
Sample Pressure (psig):		Magnesium (Mg):	2.50	Sulfate (SO <sub>4</sub> ):	63.00		
Specific Gravity (g/cm <sup>3</sup> ):	1.0030	Barium (Ba):	13.00	Dissolved CO <sub>2</sub> :	-		
pH:	7.31	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	1268.00		
Turbidity (NTU):	-	Sodium (Na):	2426.00	Carbonate (CO <sub>3</sub> ):	-		
Calculated T.D.S. (mg/L):	6782	Potassium (K):	-	H <sub>2</sub> S:	-		
Molar Conductivity (µS/cm):	10275	Iron (Fe):	0.17	Phosphate (PO <sub>4</sub> ):	-		
Resistivity (Mohm):	0.9732	Manganese (Mn):	0.11	Silica (SiO <sub>2</sub> ):	-		
		Lithium (Li):	-	Fluoride (F):	-		
		Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-		
		Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-		
				Zinc (Zn):	-		
				Bromine (Br):	-		
				Boron (B):	-		

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub>
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100		0.34	-5.68	0.00	-2060.80	0.00	-2177.50	-	-	28.97	21.20	1.68
80	0	0.25	-7.14	0.00	-14.93	0.00	-2321.60	-	-	43.75	21.50	0.77
100	0	0.34	-5.68	0.00	-11.61	0.00	-2177.50	-	-	28.97	21.20	0.96
120	0	0.43	-4.49	0.00	-9.08	0.00	-1968.50	-	-	19.62	20.77	1.08
140	0	0.53	-3.47	0.00	-7.13	0.00	-1723.90	-	-	13.56	20.19	1.21
160	0	0.62	-2.60	0.00	-5.62	0.00	-1468.90	-	-	9.54	19.40	1.37
180	0	0.71	-1.88	0.00	-4.48	0.00	-1222.10	-	-	6.82	18.35	1.50
200	0	0.79	-1.29	0.00	-3.62	0.00	-995.75	-	-	4.94	16.98	1.53
220	2.51	0.85	-0.88	0.00	-3.02	0.00	-804.26	-	-	3.56	15.11	1.55
240	10.3	0.90	-0.55	0.00	-2.54	0.00	-633.02	-	-	2.64	12.84	1.58
260	20.76	0.94	-0.34	0.00	-2.18	0.00	-490.22	-	-	1.97	10.01	1.61
280	34.54	0.96	-0.21	0.00	-1.92	0.01	-373.65	-	-	1.49	6.52	1.65
300	52.34	0.97	-0.16	0.00	-1.73	0.01	-280.20	-	-	1.14	2.29	1.68

**Conclusions:**

Calcium Carbonate Scaling Index is negative from 80°F to 300°F  
 Gypsum Scaling Index is negative from 80°F to 300°F  
 Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
 Strontium Sulfate scaling was not evaluated  
 Barium Sulfate scale is indicated at all temps from 80°F to 300°F

**Notes:**

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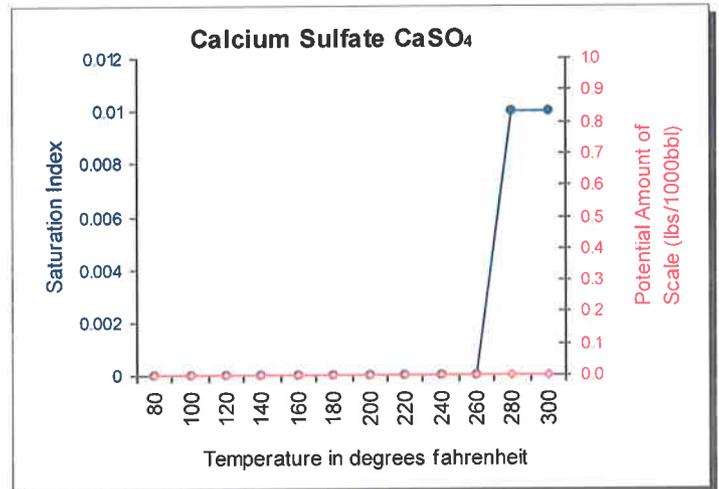
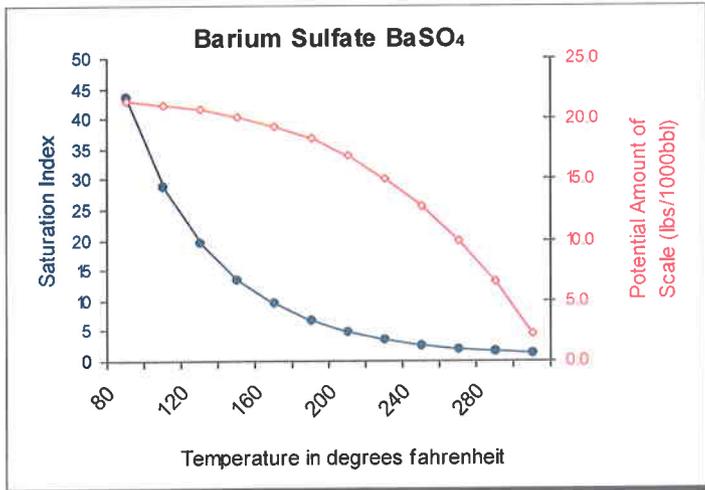
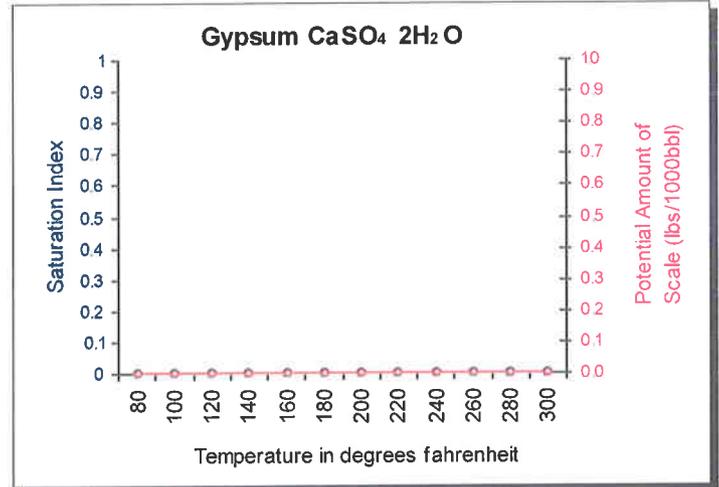
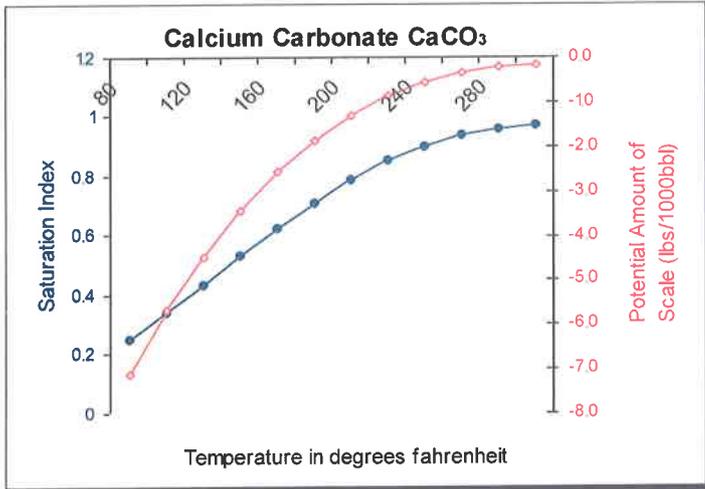
multi-chem®

**Multi-Chem Group, LLC**  
 Multi-Chem Analytical Laboratory  
 1553 East Highway 40  
 Vernal, UT 84078

## Scale Prediction Graphs

Well Name: **Federal 41-12J-9-16**

Sample ID: **WA-52903**



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**Attachment "G"**

**Balcron Monument Federal #41-12J-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4880	4896	4888	2100	0.86	2068 ←
4173	4186	4180	2850	1.12	2823
				<b>Minimum</b>	<u>2068</u>

Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 * 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 * \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

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DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-12J

Location: NE NE Section 12, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

- 7-3-94 TD: 5,750' (0') Day 10  
TOOH for logs. RU schlumberger & log: DLL/LDT/CNT/GR/CAL. TIH. LD drill pipe & collars. RU csg crew. Change pipe rams & test to 2000 psi. Run 128 jts 5-1/2" J-55 15.5# csg. RU BJ. Cmt csg w/30 bbls mud flush ahead of 500 sxs Super G, 47#/sx "G", 20#/sx POZ-A, 17#/sx CSL, 3% salt, 2% gel, 2#/sx Hiseal#2, 1/4#/sx Cello-Seal. Wt - 11 ppg, Y - 2.76. Tail w/325 sxs 50/50 POZ, 2% gel, 1/4#/sx Cellowseal, 2#/sx Hi-Seal2. Wt - 14.3 Y - 1.24. Bump plug to 2000# for 10 min. Float held. PD @ 12:00 midnight 7-3-95. ND BOP. Circ 50 bbls cmt to pit. Set 5-1/2" csg slips w/90K down. Clean pits. Release rig @ 4 a.m. 7-3-95.  
DC: \$62,805 CC: \$172,094
  
- 7-5-95 WO Completion
  
- 7-6-95 WO Completion
  
- 7-7-95 Completion  
Dress up location, set rig anchors, set tanks & rig pump. MIRU Cannon Well Service Rig #2. NU 5M wellhead, NU BOP. SWI.  
DC: \$1,707 CC: \$173,801
  
- 7-10-95 Completion  
TIH w/4-3/4" bit, 5-1/2" csg scraper & 184 jts 2-7/8" tbg. Tag fill @ 5695' KB. L Circ clean w/330 bbls of 2% KCL wtr. Pressure test csg to 1000 psi for 10 min- OK. TOOH w/tbg & tools. RU Cutter to run CBL & perf. Run CBL from 5680' KB to 30' KB w/1000 psi, TOC @ 60' KB. Perf 4880'-84', 4886'-90, & 4894'-96' (4 SPF). RD Cutter Wireline. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & 159 jts 2-7/8" tbg. Set BP @ 4947' KB, EOT @ 4851' KB, set packer @ 4844' KB. SWIFN. 130 BLWTR.  
DC: \$7,215 CC: \$181,016
  
- 7-11-95 Completion  
BP @ 4947' KB. RU BJ Services to break down 4880'-96' w/2,226 gals 2% KCL wtr. L ATP 1910 psi, ATR 3.6 bpm. ISIP 1300 psi. Pump 4 balls/bbl. TOOH w/tbg & packer. RU BJ Service to frac 4880'-96' w/32,180# 16/30 mesh sand w/13,440 gals 2% KCL gelled wtr. ATP 2200 psi, ATR 33.6 bpm. ISIP 2100 psi, 5 min 1840 psi, 10 min 1730 psi, & 15 min 1680 psi. SWIFN. 308 BLWTR.  
DC: \$28,381 CC: \$209,397

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**DAILY OPERATING REPORT**

**BALCRON MONUMENT FEDERAL #41-12J**

**Location: NE NE Section 12, T9S, R16E**

**Duchesne County, Utah**

---TIGHT HOLE---

**7-12-95**

**Completion**

BP @ 4947' KB. Bleed well down, flow back 35 BW. TIH w/retrieving tools, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN, & 155 jts 2-7/8" tbg. Tag sand @ 4791' KB, circ down to BP @ 4947'KB & set packer @ 4844' KB. Made 30 swab runs, recovered 1 BO & 148 BW. Last 16 runs trace of oil, last 5 runs no sand. Release packer & tag sand @ 4940' KB. Circ down to BP @ 4947' KB, release BP & reset @ 4269' KB. SWIFN.

DC: \$2,191

CC: \$211,588

**7-13-95**

**Completion**

BP @ 4269' KB. TOOH w/tbg & packer. RU Cutter & perf 4173'-86' & 4188'-92' (4 SPF). RD Cutters. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/7" x 2-7/8" crossover, SN & 133 jts 2-7/8" tbg. Set packer @ 4133', EOT @ 4140'. RU BJ Services to break down 4173'-92' w/2,898 gals 2% KCL wtr. ATP 2350 psi, ATR 5.7 bpm. ISIP 1450 psi. TOOH w/tbg & packer. RU BJ Services to frac 4173'-92' w/54,060# 16/30 mesh sand w/16,590 gals 2% KCL gelled wtr. ATP 2350 psi, ATR 32 bpm. ISIP 2850 psi, 5 min 1620 psi, 10 min 1530 psi, 15 min 1510 psi, & 30 min 1420 psi. Bleed well down. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & 129 jts tbg. Flow back 90 BW. Tag sand @ 4029' KB. Circ down to BP @ 4269' KB. Set packer @ 4133' KB. SWIFN. 294 BLWTR.

DC: \$29,779

CC: \$241,387

**7-14-95**

**Completion**

Bleed well down, flow back 20 BW. Made 30 swab runs, recovered 9 BO & 139 BW. Last 3 runs 20% oil & FL @ 2200'. Last 9 runs no sand, last 15 runs good gas. Release packer, circ well w/30 BW to kill, tag sand @ 4256' KB. Circ down to BP @ 4269' KB. Release BP, TOOH w/tbg, packer & BP. TIH w/tbg production string as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - jt 2-7/8" J-55 6.5# tbg	31.02'	4970.81'
1 - Perf Sub 2-7/8" x 4'	4.02'	4939.79'
1 - SN 2-7/8"	1.10'	4935.59'
26 - jts 2-7/8" J-55 6.5#	803.02'	4934.49'
1 - Tbg Anchor 2-1/2" x 5-1/2	2.35'	4131.37'
133 - jts 2-7/8" J-55 6.5#	4120.12'	4129.12'

Set tbg anchor w/11" tension. SWIFN. 165 BLWTR.

DC: \$2,612

CC: \$243,999

**7-17-95**

**Completion**

ND BOP, ND 5M well head, NU 3M wellhead. TIH w/rod production string as follows:

- 1 - DHP 2-1/2" x 1-1/2" x 16' RWAC w/pa plunger
- 196 - 3/4" x 25' D-61 Plain Rods
- 1 - 1-1/4" x 22' Polish Rod

Pressure test DHP & tbg to 1000 psi - OK. RDMO. 165 BLWTR.

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DC: \$19,760

CC: \$ 263,759

7-28-95

Completion

Started well pumping @ 11:50 p.m. Newell Richens will be the pumper.

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## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4123'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 149' balance plug using 17 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 38 sx Class "G" cement down 5 ½" casing to 324'

The approximate cost to plug and abandon this well is \$42,000.

## Balcron Monument Federal 41-12J

Spud Date: 6/24/95  
 Put on Production: 10/1/97  
 GL: 5458' KB: 5467'

Initial Production: BOPD,  
 MCFD, BWPD

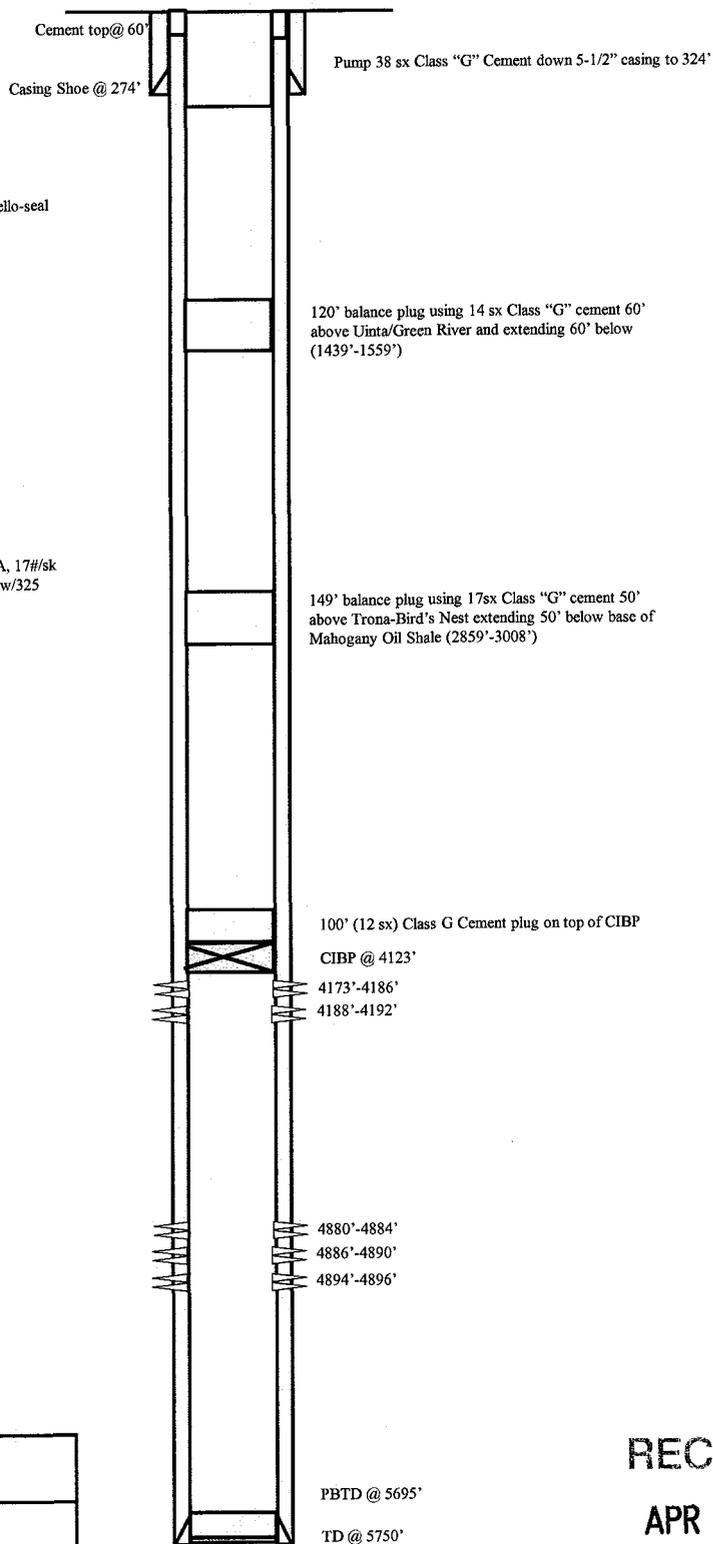
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: (277.46')  
 DEPTH LANDED: 274' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, 2% CACL2, 1/4#/sk Cello-seal

#### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: (5752')  
 DEPTH LANDED: 5748' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 500 sxs super "G", 47#/sk "G", 20#/sk POZ-A, 17#/sk CSL, 3% salt, 2% Gel, 2#/sk Hi-seal #2, 1/4%/sk Cello-seal. Tail w/325 sxs 50/50 POZ, 2% gel, 1/4#/sk Cello-seal, 2#/sk Hi-seal-2.  
 CEMENT TOP AT: 60' KB



<b>Balcron Monument Federal 41-12J</b> 209' FNL & 437' FEL NE/NE Section 12-T9S-R16E Duchesne Co, Utah API #43-013-31487 ; Lease #UTU-44426

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

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

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
209 FNL 437 FEL  
NENE Section 12 T9S R16E

5. Lease Serial No.  
USA UTU-44426

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
MONUMENT FED 41-12J

9. API Well No.  
4301331487

10. Field and Pool, or Exploratory Area  
GREATER MB UNIT

11. County or Parish, State  
DUCHESNE, UT

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

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

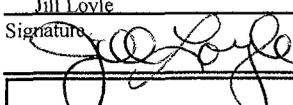
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

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DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Jill Lovle	Title Regulatory Technician
Signature 	Date 04/04/2011

**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)

4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663

The Salt Lake Tribune

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PROOF OF PUBLICATION

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	0001402352	4/25/2011

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MAY 03 2011

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000683159 /		
SCHEDULE			
Start 04/22/2011		End 04/22/2011	
CUST. REF. NO.			
Cause No. UIC-375			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RE			
SIZE			
74	Lines	2.00	COLUMN
TIMES	RATE		
4			
MISC. CHARGES	AD CHARGES		
TOTAL COST			
253.64			

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
**NOTICE OF AGENCY ACTION**  
CAUSE NO. UIC-375

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 1, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 7, 12, 17, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Ashley U 4-1-9-15 well located in NW/4 NW/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 6-1 well located in SE/4 NW/4, Section 1, Township 9 South, Range 15 East  
Ashley 10-1 well located in NW/4 SE/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 12-1-9-15 well located in NW/4 SW/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 14-1 well located in SE/4 SW/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 16-1 well located in SE/4 SE/4, Section 1, Township 9 South, Range 15 East  
Nine Mile 4-7-9-16 well located in NW/4 NW/4, Section 7, Township 9 South, Range 16 East  
Monument Federal 41-121 well located in NE/4 NE/4, Section 12, Township 9 South, Range 16 East  
West Point 4-17-9-16 well located in NW/4 NW/4, Section 17, Township 9 South, Range 16 East  
Monument Butte Federal 31-18-9-161 well located in NW/4 NE/4, Section 18, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of April, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Brad Hill  
Permitting Manager UPAJLP

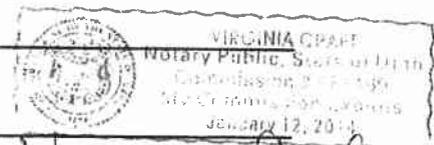
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-375 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 04/22/2011 End 04/22/2011

SIGNATURE

4/25/2011



*Virginia Craft*

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"**  
**PLEASE PAY FROM BILLING STATEMENT**

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 26 day of April, 2011, and that the last publication of such notice was in the issue of such newspaper dated the 26 day of April, 2011, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Geoff Liesik  
Editor

Subscribed and sworn to before me this

26 day of April, 2011  
Bonnie Parrish  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-375

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 1, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 7, 12, 17, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley U4-1-9-15 well located in NW/4 NW/4, Section 1, Township 9 South, Range 15 East

Ashley Federal 6-1 well located in SE/4 NW/4, Section 1, Township 9 South, Range 15 East

Ashley 10-1 well located in NW/4 SE/4, Section 1, Township 9 South, Range 15 East

Ashley Federal 12-1-9-15 well located in NW/4 SW/4, Section 1, Township 9 South, Range 15 East

Ashley Federal 14-1 well located in SE/4 SW/4, Section 1, Township 9 South, Range 15 East

Ashley Federal 16-1 well located in SE/4 SE/4, Section 1, Township 9 South, Range 15 East

Nine Mile 4-7-9-16 well located in NW/4 NW/4, Section 7, Township 9 South, Range 16 East

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-375

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 1, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 7, 12, 17, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Ashley Federal 6-1 well located in SE/4 NW/4, Section 1, Township 9 South, Range 15 East  
Ashley 10-1 well located in NW/4 SE/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 12-1-9-15 well located in NW/4 SW/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 14-1 well located in SE/4 SW/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 16-1 well located in SE/4 SE/4, Section 1, Township 9 South, Range 15 East  
Nine Mile 4-7-9-16 well located in NW/4 NW/4, Section 7, Township 9 South, Range 16 East  
Monument Federal 41-12J well located in NE/4 NE/4, Section 12, Township 9 South, Range 16 East  
West Point 4-17-9-16 well located in NW/4 NW/4, Section 17, Township 9 South, Range 16 East  
Monument Butte Federal 31-18-9-16Y well located in NW/4 NE/4, Section 18, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of April, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**ASHLEY U 4-1-9-15, ASHLEY FEDERAL 6-1,  
ASHLEY 10-1, ASHLEY FEDERAL 12-1-9-15,  
ASHLEY FEDERAL 14-1, ASHLEY FEDERAL 16-1,  
NINE MILE 4-7-9-16, MONUMENT FEDERAL 41-12J,  
WEST POINT 4-17-9-16, MONUMENT BUTTE FEDERAL 31-18-9-16Y**

**Cause No. UIC-375**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

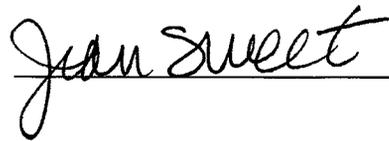
Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

SITLA  
675 East 500 South  
Salt Lake City, UT 84102-2818

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

April 18, 2011

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-375

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-375**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 4/19/2011 4:12 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-375

---

On 4/18/2011 2:28 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

This will be published April 26. Thank you.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 18, 2011

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-375

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



## Order Confirmation for Ad #0000683159-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>E-Mail</b>	earlenerussell@utah.gov	Jean Sweet	Ivaldez

<b>Total Amount</b>	<b>\$253.64</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$253.64</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Cause No. UIC-375	
<b>Confirmation Notes:</b>				
<b>Text:</b>				

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 74 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	04/22/2011	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	04/22/2011	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	04/22/2011	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	04/22/2011	

### Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-375

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 1, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 7, 12, 17, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Greater Monument Butte Units  
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Ashley 10-1 well located in NW/4 SE/4, Section 1, Township 9 South, Range 15 East  
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Ashley Federal 14-1 well located in SE/4 SW/4, Section 1, Township 9 South, Range 15 East  
Ashley Federal 16-1 well located in SE/4 SE/4, Section 1, Township 9 South, Range 15 East  
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Monument Federal 41-12J well located in NE/4 NE/4, Section 12, Township 9 South, Range 16 East  
West Point 4-17-9-16 well located in NW/4 NW/4, Section 17, Township 9 South, Range 16 East  
Monument Butte Federal 31-18-9-16Y well located in NW/4 NE/4, Section 18, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of April, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
15/ Brad Hill  
Brad Hill  
Permitting Manager

6831 59

UPAXLP



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 18, 2011

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 41-12J, Section 12, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31487

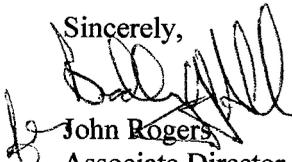
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 4,650 feet in the Monument Federal 41-12J well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,



John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Federal 41-12J-9-16

**Location:** 12/9S/16E      **API:** 43-013-31487

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 274 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,748 feet. A cement bond log demonstrates adequate bond in this well up to about 4,400 feet (see revision in following paragraph). A 2 7/8 inch tubing with a packer will be set at 4,123 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 7 producing wells, 5 injection wells, and 2 P/A wells in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. There is also one directional producing well with a surface location outside the AOR and a bottom hole location inside the AOR. In addition, there are 3 currently permitted surface locations outside the AOR, from which directional wells will be drilled to bottom hole locations inside the AOR. While most of the existing wells in the AOR have evidence of adequate casing and cement for the proposed injection interval, there are several which lack evidence of adequate cement. These include the proposed injection well itself, Monument Federal 41-12J-9-16 (API # 43-013-31487), as well as Monument Federal 44-1J-9-16 (API # 43-013-31415), Monument Federal 42-12J-9-16 (API # 43-013-31486), and Monument Federal 12-7J-9-17 (API # 43-013-31493). The most limiting of these wells is Monument Federal 12-7J-9-17. Its CBL (6/19/1995) indicates a cement top at about 4,510 feet. To protect these wellbores Newfield will not perforate the Monument Federal 41-12J-9-16 above 4,650 feet (see next paragraph). Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

Revision (11/2/2012): In an e-mail dated 9/18/2012 Jake Fulcher, Newfield Production Engineer, requested a review of the injection depth limitation in the Monument Federal 41-12J well. The issue was subsequently reviewed by Mark Reinbold and Brad Hill of DOGM. It was concluded that most of the wells with questionable cement tops probably have adequate light

**Monument Federal 41-12J-9-16**

**page 2**

cement to justify the requested injection top of 4,008 feet in the 41-12J well. However, the most questionable cement top is in the Monument Federal 12-7J (43-013-31493) well. For this reason, it is stipulated that the pressure between the surface casing and production casing in the 12-7J well shall be monitored on a regular basis. An amended conversion permit was issued on 9/24/2012 allowing injection up to 4,008 feet in the 41-12J well.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 600 feet. The requested injection interval is between 4,008 feet and 5,695 feet in the Green River Formation. However, the top of good cement bond is at about 4,510 feet in the Monument Federal 12-7J-9-17, a producing oil well located within the AOR, approximately 0.4 mile SSE of the Monument Federal 41-12J-9-16 well. This cement top correlates to a depth of approximately 4,550 feet in the Monument Federal 41-12J-9-16 well. For this reason, it is recommended that the top of the injection interval be permitted no higher than a depth of 4,650 feet (revised to 4,008; see revision above) in the Monument Federal 41-12J-9-16 well. Information submitted by Newfield indicates that the fracture gradient for the 41-12J-9-16 well is 0.86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,068 psig. The requested maximum pressure is 2,068 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Oil/Gas & Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 4/28/2011 (rev. 11/2/2012)



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 18, 2011

Amended September 24, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 41-12J, Section 12, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31487 (amended)

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. **Because of questionable quality of light cement in the Monument Federal 12-7J (API # 43-013-31493) well, located approximately 0.4 mile southeast of Monument Federal 41-12J well, pressure shall be monitored in the Monument Federal 12-7J well between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.**
6. **The top of the injection interval shall be limited to a depth no higher than 4,008 feet in the Monument Federal 41-12J well.**



Page 2

Monument Federal 41-12J Amended Approval  
September 24, 2012

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,



John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

**Mark Reinbold - Re: UIC stipulation question API#43-013-31487**

---

**From:** Mark Reinbold  
**To:** Jake Fulcher  
**Date:** 9/19/2012 2:42 PM  
**Subject:** Re: UIC stipulation question API#43-013-31487

---

Jake,

The most problematic of the offset wells appears to be Mon Fed 12-7J (43-013-31493), although a few others also look a bit iffy in terms of good cement tops. I discussed the issue with Brad Hill. It was concluded that we could let you raise the injection top to the requested 4008 feet, provided that you regularly monitor the pressure between the surface casing and production casing in the Mon Fed 12-7J well. We will need to issue an amended conversion permit. If you can wait until next week, our regular secretary will be back in the office. Would that be OK?

Mark Reinbold  
Utah DNR/DOGM  
801-538-5333

>>> Jake Fulcher <jfulcher@newfield.com> 9/18/2012 4:04 PM >>>  
Mark, Pertaining to our conversation this afternoon, I'd like to know why the depth limitation of 4650' was established for injection on this well. I've attached a WBD and the UIC permit.

I realize that this stipulation may originate from low cement top(s) on the offsets. I'd like to know which wells are the culprits and any additional commentary you can provide so I can better understand the issue. Thanks,

**Jake Fulcher**  
**Engineer.Production**  
Office: 303-383-4113  
Mobile: 435-322-0257



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-44426
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MONUMENT FED 41-12J
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013314870000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0209 FNL 0437 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 12 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 10/22/2012. One interval was perforated, D2 sands - 4770-4777' 3 JSPF. On 10/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/30/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 575 psig during the test. There was not a State representative available to witness the test.

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

Date: November 01, 2012

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/1/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 10/30/12 Time 9:00 am pm  
Test Conducted by: Don Trane  
Others Present: \_\_\_\_\_

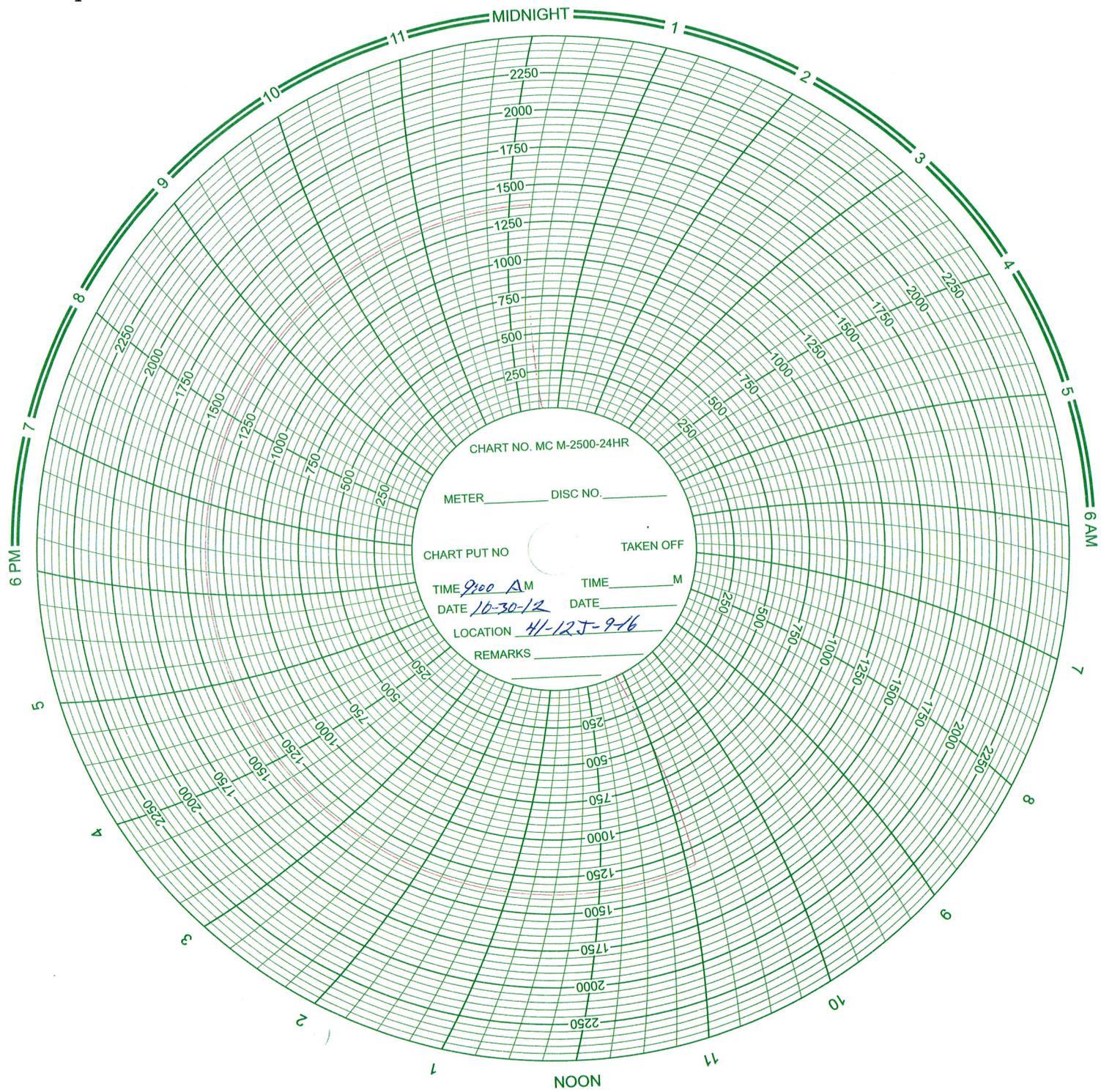
Well: <u>Monument 41-125-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>41-125-9-16</u>	API No: <u>4301331487</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1350</u>	psig
5	<u>1350</u>	psig
10	<u>1350</u>	psig
15	<u>1350</u>	psig
20	<u>1350</u>	psig
25	<u>1350</u>	psig
30 min	<u>1350</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 575 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Don Trane





@ 4770-77' w/ 3 spf for total of 21 shots. RD WLT. - Wait on runners w/ tbg trailer. - TALLY AND PICK UP RBP RH, 2 3/8 X 6 FT SUB PKR, 1 JT 2 7/8, S/N AND 26 JTS OF 2 7/8 N80 TBG. SIFN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$29,696

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**10/18/2012 Day: 4**

**Conversion**

Nabors #1416 on 10/18/2012 - PU TIH w/ work string. Test tools. Break down zone. - Move pkr to 4714'. Break down D2 sds @ psi back to psi w/ 2 bbls fluid. Release pkr. Well ready for frac. SIFN. - Set RBP @ 4821'. Set pkr @ 4783'. Took 1 bbl to find on test to 4000 psi. - Move tools & set RBP @ 4853'. Set pkr @ 4821'. Test to 4000 psi. - Held safety meeting & discussed JSA's & location Hazards. Continue PU TIH w/ work string. - Shut down for safety meeting on rigging & lifting equipment. - Set RBP @ 4821'. Set pkr @ 4783'. Took 1 bbl to find on test to 4000 psi. - Shut down for safety meeting on rigging & lifting equipment. - Move tools & set RBP @ 4853'. Set pkr @ 4821'. Test to 4000 psi. - Move pkr to 4714'. Break down D2 sds @ psi back to psi w/ 2 bbls fluid. Release pkr. Well ready for frac. SIFN. - Held safety meeting & discussed JSA's & location Hazards. Continue PU TIH w/ work string. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$37,207

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**10/19/2012 Day: 5**

**Conversion**

Nabors #1416 on 10/19/2012 - RU Baker Hughes & frac well. Flow well back. - Held safety meeting & discussed JSA's & location hazards. RU Baker Hughes frac crew. Set pkr @ 4733'. - TOO H w/ 28 jts & leave tools hang above above perms for weekend. SIFN. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 30' of sand. Release RBP @ 4856'. - Test lines to 8400 psi. Break zone down. Had pad on perms & Baker Hughes broke down. - Open well w/ 1940 psi on casing. Flow well back on 26/64 choke then 30/64 choke for a total of 90 bbls rec'd w/ 1000#'s of sand. - Test lines to 8400 psi. Open well w/ 1853 psi on casing. Perfs broke @ 2135 psi back to 2120 psi w/ 1.5 bbls @ 2 bpm. Pump 250 gal of 15% HCL acid @ 3714 psi @ 10 bpm. Lost 500 psi when acid hit perms. Frac @ ave pressure of 5256 psi @ 20 bpm. Frac w/ 20,240#'s of 20/40 sds in 397 bbls of Lightning 17 frac fluid. ISIP was 2444 psi w/ .95FG. Max pressure was 5581 @ 20 bpm. RD Baker Hughes. - Open well w/ 1940 psi on casing. Flow well back on 26/64 choke then 30/64 choke for a total of 90 bbls rec'd w/ 1000#'s of sand. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 30' of sand. Release RBP @ 4856'. - TOO H w/ 28 jts & leave tools hang above above perms for weekend. SIFN. - Held safety meeting & discussed JSA's & location hazards. RU Baker Hughes frac crew. Set pkr @ 4733'. - Test lines to 8400 psi. Break zone down. Had pad on perms & Baker Hughes broke down. - Wait on water to start frac over. - Test lines to 8400 psi. Open well w/ 1853 psi on casing. Perfs broke @ 2135 psi back to 2120 psi w/ 1.5 bbls @ 2 bpm. Pump 250 gal of 15% HCL acid @ 3714 psi @ 10 bpm. Lost 500 psi when acid hit perms. Frac @ ave pressure of 5256 psi @ 20 bpm. Frac w/ 20,240#'s of 20/40 sds in 397 bbls of Lightning 17 frac fluid. ISIP was 2444 psi w/ .95FG. Max pressure was 5581 @ 20 bpm. RD Baker Hughes. - Wait on water to start frac over.

**Daily Cost:** \$0

**Cumulative Cost:** \$106,411

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**10/22/2012 Day: 6**

**Conversion**

Nabors #1416 on 10/22/2012 - LD work string. TIH w/ pkr. Test tbg. Pump pkr fluid. Test casing. RD MOSU. - Drop std valve & test tbg to 3000 psi for 30 min. Fish std valve. RD tbg equipment. - TIH w/ 133 jts of J-55 tbg. - LD tools. RU Guide, XN nipple, 2-3/8" x 4' pup, X-

over (2-3/8" to 2-7/8"), Arrow Set 1 pkr, On/Off tool , X nipple, SN. - Held safety meeting & dicussed JSA's & location hazards. Open well w/ 400 psi on casing. RU hot oiler & flush tbg w/ 45 bbls hot water. TOOH w/ tbg laying down on trailer. - Held safety meeting & dicussed JSA's & location hazards. Open well w/ 400 psi on casing. RU hot oiler & flush tbg w/ 45 bbls hot water. TOOH w/ tbg laying down on trailer. - Pump 68 bbls of pkr fluid. Set pkr @ 4132' CE, 4136' EOT in 15,000#'s tension. Pressure casing to 1400 psi w/ 3 bbls pkr fluid. Check pressure. RDMOSU. - TIH w/ 133 jts of J-55 tbg. - Drop std valve & test tbg to 3000 psi for 30 min. Fish std valve. RD tbg equipment. - Pump 68 bbls of pkr fluid. Set pkr @ 4132' CE, 4136' EOT in 15,000#'s tension. Pressure casing to 1400 psi w/ 3 bbls pkr fluid. Check pressure. RDMOSU. - LD tools. RU Guide, XN nipple, 2-3/8" x 4' pup, X-over (2-3/8" to 2-7/8"), Arrow Set 1 pkr, On/Off tool , X nipple, SN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$136,080

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**10/31/2012 Day: 7**

**Conversion**

Rigless on 10/31/2012 - Conduct initial MIT - On 10/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/30/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 575 psig during the test. There was not a State representative available to witness the test. - On 10/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/30/2012 the casing was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 575 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$209,414

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**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-44426
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 41-12J
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013314870000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0209 FNL 0437 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 12 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/7/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Put on Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 1:15 PM on  
12/07/2012.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 December 10, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/10/2012	

Spud Date: 6/24/95  
 Put on Production: 10/1/97  
 GL: 5458' KB: 5467'

# Balcron Monument Federal 41-12J-9-16

## Injection Wellbore Diagram

### SURFACE CASING

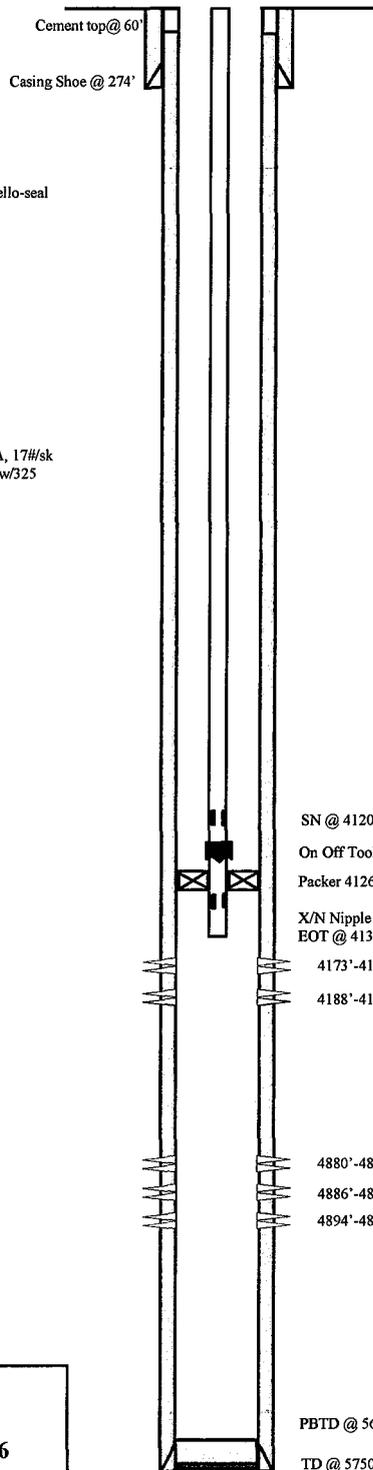
CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: (277.46')  
 DEPTH LANDED: 274' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, 2% CACL2, 1/4#/sk Cello-seal

### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: (5752')  
 DEPTH LANDED: 5748' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 500 sxs super "G", 47#/sk "G", 20#/sk POZ-A, 17#/sk CSL, 3% salt, 2% Gel, 2#/sk Hi-seal #2, 1/4%/sk Cello-seal. Tail w/325 sxs 50/50 POZ, 2% gel, 1/4#/sk Cello-seal, 2#/sk Hi-seal-2.  
 CEMENT TOP AT: 60' KB

### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 133 jts (4111.4')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4120.4'  
 ON/OFF TOOL AT: 4121.5'  
 ARROW #1 PACKER CE AT: 4126'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4130.5'  
 X/N NIPPLE AT: 4135.2'  
 TOTAL STRING LENGTH: EOT @ 4137'



### FRAC JOB

7/11/95	4880'-4896'	<b>Frac sands as follows:</b> 32,180# 16/30 sand in 13,440 gal 2% KCL water. ATP: 2200 psi. ATR: 33.6 BPM. ISIP: 2100 psi.
7/13/95	4173'-4186'	<b>Frac sands as follows:</b> 54,060# 16/30 sand in 16,590 gal 2% KCL water. ATP: 2350 psi. ATR: 32.0 BPM. ISIP: 2850 psi.
1/19/04		<b>Parted rods.</b> Updated tubing and rod details.
05/11/06		<b>Tubing Leak.</b> Updated rod and tubing details.
9-19-08		<b>Pump Change.</b> Updated rod & tubing details.
10/19/12	4770-4777'	<b>Frac D2 sand as follows:</b> 20240# 20/40 sand in 369 bbls Lighting 17 fluid.
10/22/12		<b>Convert to Injection Well</b>
10/30/12		<b>Conversion MIT Finalized</b> - update tbg detail

### PERFORATION RECORD

7/10/95	4880'-4884'	4 SPF
7/10/95	4886'-4890'	4 SPF
7/10/95	4894'-4896'	4 SPF
7/13/95	4173'-4186'	4 SPF
7/13/95	4188'-4192'	4 SPF
10/17/12	4770-4777'	3 SPF 21 holes

**NEWFIELD**

**Balcron Monument Federal 41-12J-9-16**

209' FNL & 437' FEL

NE/NE Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-31487 ; Lease #UTU-44426



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

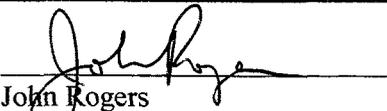
Cause No. UIC-375

**Operator:** Newfield Production Company  
**Well:** Monument Federal 41-12J  
**Location:** Section 12, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31487  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 18, 2011 and amended on September 24, 2012.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,008' – 5,695')
5. **Because of questionable quality of light cement in the Monument Federal 12-7J (API # 43-013-31493) well, located approximately 0.4 mile southeast of the Monument Federal 41-12J well, pressure shall be monitored in the Monument Federal 12-7J well between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.**
6. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

11-29-2012  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield  
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801  
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • [www.ogm.utah.gov](http://www.ogm.utah.gov)



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-44426
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 41-12J
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>9. API NUMBER:</b> 43013314870000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0209 FNL 0437 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 12 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/18/2016  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input checked="" type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input 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="Workover MIT"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The above subject well had workover procedures performed (tubing repair), attached is a daily status report. On 08/15/2016 Amy Doebele with the State of Utah was contacted concerning the MIT on the above listed well. On 08/18/2016 the csg was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure was 900 psig during the test. There was a State representative available to witness the test - Amy Doebele.</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 01, 2016</b></p>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/23/2016

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 8/18/16 Time 11:06 <sup>Am</sup> am pm

Test Conducted by: PETE MONTAGUE

Others Present: Amy DOEBLE Kim GILES JEREMY PRICE

Well: <u>MONUMENT FED 41-12J-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>41-12J-9-16</u>	API No: <u>43-013-31487</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1300</u>	psig
5	<u>1300</u>	psig
10	<u>1300</u>	psig
15	<u>1300</u>	psig
20	_____	psig
25	_____	psig
30 min	_____	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 900 psig

Result: Pass Fail

Signature of Witness: Amy Doebelle

Signature of Person Conducting Test: Pete Montague



**NEWFIELD**

**Schematic**

**Well Name: Mon 41-12J-9-16**

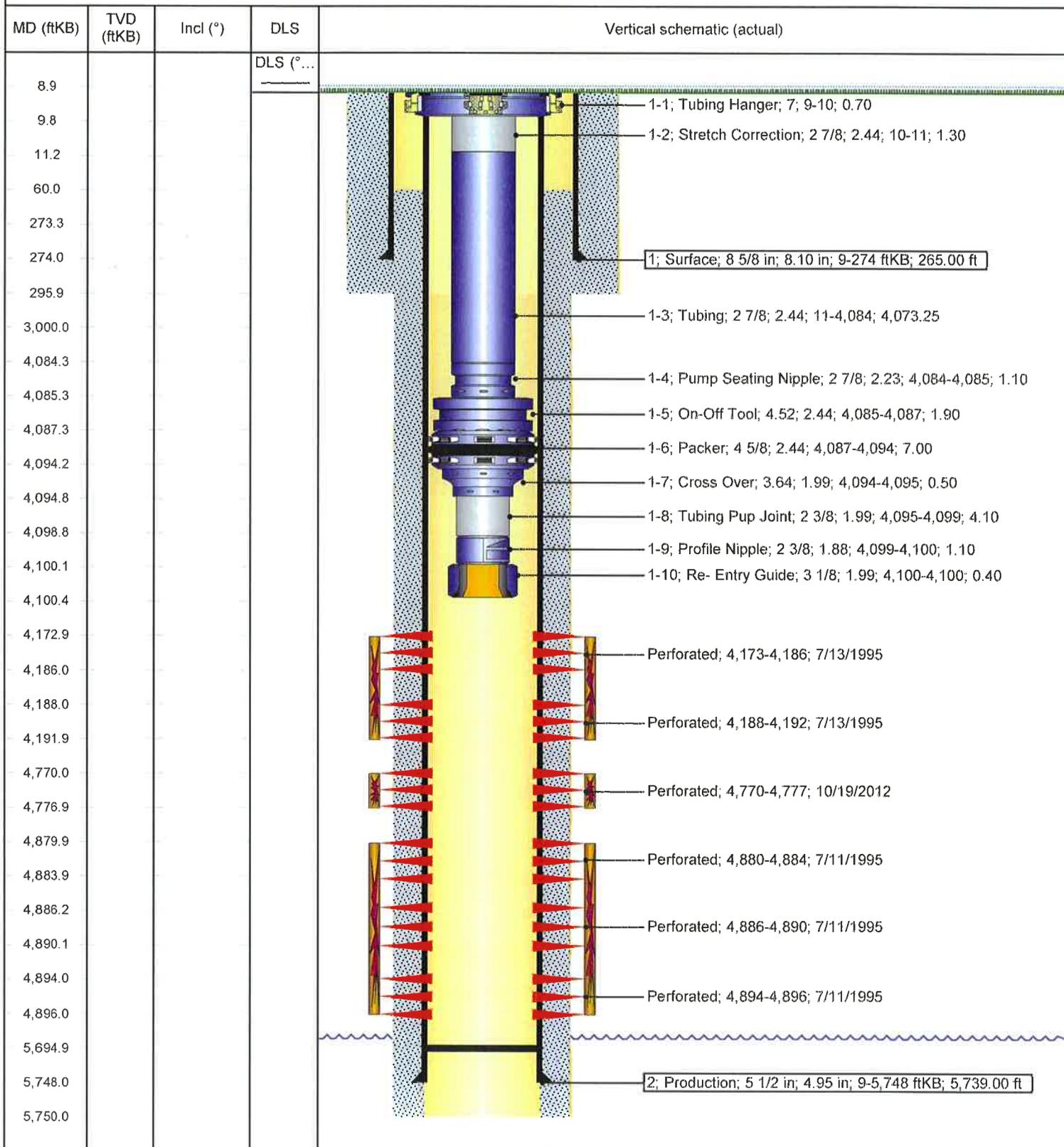
Surface Legal Location 12-9S-16E		API/UWI 43013314870000	Well RC 500150722	Lease	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date	Rig Release Date	On Production Date 7/28/1995	Original KB Elevation (ft) 5,467	Ground Elevation (ft) 5,458	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,695.0	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Tubing Repair	Job Start Date 8/15/2016	Job End Date 8/18/2016
---------------------------------------	-----------------------------	-------------------------------------	-----------------------------	---------------------------

**TD: 5,750.0**

Vertical - Original Hole, 8/23/2016 8:00:54 AM



## NEWFIELD

Vertical Wellbore Diagram Data  
Mon 41-12J-9-16

Surface Legal Location 12-9S-16E		API/UWI 43013314870000		Lease	
County Duchesne		State/Province Utah		Field Name GMBU CTB5	
Well Start Date 6/23/1995		Spud Date		Final Rig Release Date	
Original KB Elevation (ft) 5,467		Ground Elevation (ft) 5,458		Total Depth (ftKB) 5,750.0	
				Total Depth All (TVD) (ftKB) PBD (All) (ftKB) Original Hole - 5,695.0	

## Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	6/24/1995	8 5/8	8.10	24.00	J-55	274
Production	7/3/1995	5 1/2	4.95	15.50	J-55	5,748

## Cement

## String: Surface, 274ftKB 6/24/1995

Cementing Company	Top Depth (ftKB) 9.0	Bottom Depth (ftKB) 296.0	Full Return? No	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 9.0

## String: Production, 5,748ftKB 7/3/1995

Cementing Company	Top Depth (ftKB) 60.0	Bottom Depth (ftKB) 3,000.0	Full Return? No	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 500	Class G	Estimated Top (ftKB) 60.0
Fluid Description	Fluid Type Tail	Amount (sacks) 325	Class 50/50 POZ	Estimated Top (ftKB) 3,000.0

## String: Production, 5,748ftKB 7/3/1995

Cementing Company	Top Depth (ftKB) 3,000.0	Bottom Depth (ftKB) 5,750.0	Full Return? No	Vol Cement Ret (bbl)
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)

## Perforation Intervals

Stage#	Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
1	4,770	4,777	D2, Original Hole	3			10/19/2012
1	4,880	4,896	C sands, Original Hole	4			7/11/1995
2	4,173	4,192	GB4 & PB8, Original Hole	4			7/13/1995

## Pumping Summary

Interval Number	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Link to Proppant	Proppant Mass (lb)	Vol Clean Total (bbl)	Vol Slurry Total (bbl)	Vol Recov Total (bbl)

## Tubing Strings

Tubing Description Tubing				Run Date 8/18/2016			Set Depth (ftKB) 4,100.4		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Tubing Hanger	1	7				0.70	9.0	9.7	
Stretch Correction	1	2 7/8	2.44			1.30	9.7	11.0	
Tubing	132	2 7/8	2.44	6.50	J-55	4,073.25	11.0	4,084.3	
Pump Seating Nipple	1	2 7/8	2.23			1.10	4,084.3	4,085.4	
On-Off Tool	1	4 5/15	2.44			1.90	4,085.4	4,087.3	
Packer	1	4 5/8	2.44			7.00	4,087.3	4,094.3	
Cross Over	1	3.635	1.99			0.50	4,094.3	4,094.8	
Tubing Pup Joint	1	2 3/8	1.99			4.10	4,094.8	4,098.9	
Profile Nipple	1	2 3/8	1.88			1.10	4,098.9	4,100.0	
Re- Entry Guide	1	3 1/8	1.99			0.40	4,100.0	4,100.4	

## Rod Strings

Rod Description				Run Date			Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		



Well Name: Mon 41-12J-9-16

### Job Detail Summary Report

Primary Job Type Repairs	Job Start Date 8/15/2016	Job End Date 8/18/2016
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Daily Operations		24hr. Activity Summary
Report Start Date	Report End Date	MIRUSU, NU AND TEST BOP'S
Start Time 06:00	End Time 07:00	Comment Crew travel
Start Time 07:00	End Time 08:00	Comment Move rig from the Shields to the 41-12J-9-16.
Start Time 08:00	End Time 11:00	Comment Spot rig, prep to RU, RU, rig inspection.
Start Time 11:00	End Time 12:00	Comment CSG 1200 psi, tbg 1300 psi, pumped csg up to 1500psi, lost 300 psi in 30 minutes. tbg stayed @ 1300 psi.
Start Time 12:00	End Time 13:30	Comment Bleed csg down to z-tank.
Start Time 13:30	End Time 14:30	Comment Drop valve, pumped valve to seat nipple w/ 30 bbls, pumped tbg up p 3000 psi, csg and tbg equalized to 1500 psi on both sides.
Start Time 14:30	End Time 15:30	Comment RU and TIH w/sandline, fish valve, TOOH and RD sandline.
Start Time 15:30	End Time 17:00	Comment ND WH, NU BOP's, RU floor and tongs.
Start Time 17:00	End Time 18:00	Comment Circulate 60 bbl of water mixed withbiocide.
Start Time 18:00	End Time 18:30	Comment SWI, Clean up for night.
Start Time 18:30	End Time 19:30	Comment Travel time

24hr. Activity Summary	
Report Start Date	Report End Date
8/16/2016	8/16/2016
Hot oiler pumped 60 bbl water w/ biocide down tubing. Tubing= 0 psi, Casing= 400 psi. Bled casing to flowback tank. Trip out of hole w/ Tubing as follows  133) joints 2-7/8" J55 Seat Nipple On/off tool Packer 2-7/8"x2-3/8" crossover 2-3/8"x4' pup XN Nipple Re-ent  Make up and Trip in hole w/ tubing as follows: 132) joints 2-7/8" J55 Seat Nipple On/off tool Packer 2-7/8"x2-3/8" crossover 2-3/8"x4' pup XN Nipple Re-ent  Rig up hot oiler, pressure test tubing to 3000 psi, lost 130 psi on first test, Lost 100 psi on second test, Lost 80 psi on third test. Pressure tubing back to 3000 psi for over night.	



Well Name: Mon 41-12J-9-16

### Job Detail Summary Report

Start Time 06:00	End Time 07:00	Comment Crew travel from yard to location. Perform daily safety meeting and JSA on location. Hot oiler pumped 60 bbl. water w/ biocide down tubing.
Start Time 07:00	End Time 08:00	Comment Tubing= 0 psi, Casing= 400 psi. Bleed casing to flowback tank.
Start Time 08:00	End Time 10:00	Comment Trip out of hole w/ Tubing as follows 133) joints 2-7/8" J55 Seat Nipple On/off tool Packer 2-7/8"x2-3/8" crossover 2-3/8"x4' pup XN Nipple Re-ent
Start Time 10:00	End Time 14:30	Comment Make up and Trip in hole w/ tubing as follows: 132) joints 2-7/8" J55 Seat Nipple On/off tool Packer 2-7/8"x2-3/8" crossover 2-3/8"x4' pup XN Nipple Re-ent
Start Time 14:30	End Time 16:30	Comment Rig up hot oiler, pressure test tubing to 3000 psi, lost 130 psi on first test, Lost 100 psi on second test, Lost 80 psi on third test. Pressure tubing back to 3000 psi for over night.
Start Time 16:30	End Time 17:00	Comment Shut well in for night, Clean up tools and location.
Start Time 17:00	End Time 18:00	Comment Crew travel from location to yard.
Report Start Date 8/17/2016	Report End Date 8/17/2016	24hr Activity Summary Tubing dropped in pressure to 2800 psi (200 psi overnight). Pressure tubing up to 3000 psi, Held for 30 minutes. Rig up and run in hole w/ sandline & overshot, fish valve, Pull standing valve out of hole. Rig down sandline. Rig down tubing tongs and workfloor. Nipple down BOP. Nipple up wellhead. Circulate 60 bbl. water w/ packer fluid. Pick up and set packer w/ 15000# tension Pumped casing up to 1500 psi, lost 70 psi on first test, lost 30 psi on second test, lost 11 psi on MIT. Shut well in for night w/ pressure. Pick up location.
Start Time 06:00	End Time 07:00	Comment Crew travel from yard to location. Perform daily safety meeting and JSA.
Start Time 07:00	End Time 08:00	Comment Tubing dropped in pressure to 2800 psi (200 psi overnight). Pressure tubing up to 3000 psi, Held for 30 minutes.
Start Time 08:00	End Time 09:00	Comment Rig up and run in hole w/ sandline & overshot, fish valve, Pull standing valve out of hole. Rig down sandline.
Start Time 09:00	End Time 10:30	Comment Rig down tubing tongs and workfloor. Nipple down BOP. Nipple up wellhead.
Start Time 10:30	End Time 12:00	Comment Circulate 60 bbl. water w/ packer fluid. Pick up and set packer w/ 15000# tension
Start Time 12:00	End Time 15:30	Comment Pumped casing up to 1500 psi, lost 70 psi on first test, lost 30 psi on second test, lost 11 psi on MIT.



**Job Detail Summary Report**

Start Time 15:30	End Time 16:00	Comment Shut well in for night w/ pressure. Pick up location
Start Time 16:00	End Time 17:00	Comment Crew travel from location to yard
Report Start Date 8/18/2016	Report End Date 8/18/2016	24hr Activity Summary Crew travel from yard to location. Perform daily safety meeting and JSA. Tubing dropped from 1360 psi to 1300 psi, over night, Pass MIT w/ state representative. Prep and rig down service unit. Clean up location. Final Report
Start Time 06:00	End Time 07:00	Comment Crew travel from yard to location. Perform daily safety meeting and JSA.
Start Time 07:00	End Time 08:30	Comment Tubing dropped from 1360 psi to 1300 psi, over night, Pass MIT w/ state representative. On 08/15/2016 Amy Doebele with the State of Utah was contacted concerning the MIT on the above listed well. The well was not injecting during the test. The tbg pressure was 900 psig during the test. There was a State representative available to witness the test - Amy Doebele.
Start Time 08:30	End Time 10:00	Comment Prep and rig down service unit. Clean up location. Final report!

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

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.

1. TYPE OF WELL
Water Injection Well
2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052
PHONE NUMBER: 435 646-4825 Ext

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0209 FNL 0437 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 12 Township: 09.0S Range: 16.0E Meridian: S

5. LEASE DESIGNATION AND SERIAL NUMBER:
U-44426

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU (GRRV)

8. WELL NAME and NUMBER:
MONUMENT FED 41-12J

9. API NUMBER:
43013314870000

9. FIELD and POOL or WILDCAT:
MONUMENT BUTTE

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION

- NOTICE OF INTENT
Subsequent Report (checked)
SPUD REPORT
DRILLING REPORT

TYPE OF ACTION

- ACIDIZE, ALTER CASING, CASING REPAIR, CHANGE TO PREVIOUS PLANS, CHANGE TUBING, CHANGE WELL NAME, CHANGE WELL STATUS, COMMINGLE PRODUCING FORMATIONS, CONVERT WELL TYPE, DEEPEN, FRACTURE TREAT, NEW CONSTRUCTION, OPERATOR CHANGE, PLUG AND ABANDON, PLUG BACK, PRODUCTION START OR RESUME, RECLAMATION OF WELL SITE, REPERFORATE CURRENT FORMATION, SIDETRACK TO REPAIR WELL, TEMPORARY ABANDON, TUBING REPAIR (checked), VENT OR FLARE, WATER SHUTOFF, WILDCAT WELL DETERMINATION, OTHER (checked)

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (tubing repair), attached is a daily status report. On 08/15/2016 Amy Doebele with the State of Utah was contacted concerning the MIT on the above listed well. On 08/18/2016 the csg was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure was 900 psig during the test. There was a State representative available to witness the test - Amy Doebele.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 01, 2016

Approved by the Utah Division of Oil, Gas and Mining

Date: 10/28/2016
By: [Signature]

NAME (PLEASE PRINT)
Lucy Chavez-Naupoto

PHONE NUMBER
435 646-4874

TITLE
Water Services Technician

SIGNATURE
N/A

DATE
8/23/2016