

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS  FILE  WATER SANDS  LOCATION INSPECTED  SUB. REPORT/abd.

960123 Confidential status Expired 1-20-96 960401 oper. Nm. Chg.

DATE FILED AUGUST 19, 1994

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. UTU-72106

INDIAN

DRILLING APPROVED: SEPTEMBER 28, 1994

SPUDDED IN: 11-19-94

COMPLETED: 12-20-94 POW PUT TO PRODUCING: 12-20-94

INITIAL PRODUCTION: NO BOPD;

GRAVITY A.P.I. 34

GOR:  
PRODUCING ZONES: 3972-41664' (6 RRV)

TOTAL DEPTH: 5169.7'

WELL ELEVATION: 5342 GR

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT: NA

COUNTY: DUCHESNE

WELL NO. BALCRON MONUMENT FEDERAL 42-17

API NO. 43-013-31467

LOCATION 1800' FNL FT. FROM (N) (S) LINE.

700' FEL FT. FROM (E) (W) LINE.

SENE

1/4 - 1/4 SEC.

17

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	17E	17	EQUIT RES ENERGY CO.

CONFIDENTIAL

Form 3160-3  
(November 1983)  
(formerly 9-331C)

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



6. LEASE DESIGNATION AND SERIAL NO.

UTU-72106

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

n/a

8. FARM OR LEASE NAME

Balcron Monument Federal

9. WELL NO.

#42-17

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 17, T9S, R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SE NE Section 17, T9S, R17E 1800' FNL, 700' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

13. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. well line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

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

19. PROPOSED DEPTH

5,700'

20. ROTARY OR CABLE TOOLS

Rotary

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

5342.1' GL

22. APPROX. DATE WORK WILL START\*

October 1, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program	Casing Design		

Operator intends to drill this well in accordance with the attached. 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 8-17-94  
Bobbie Schuman  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

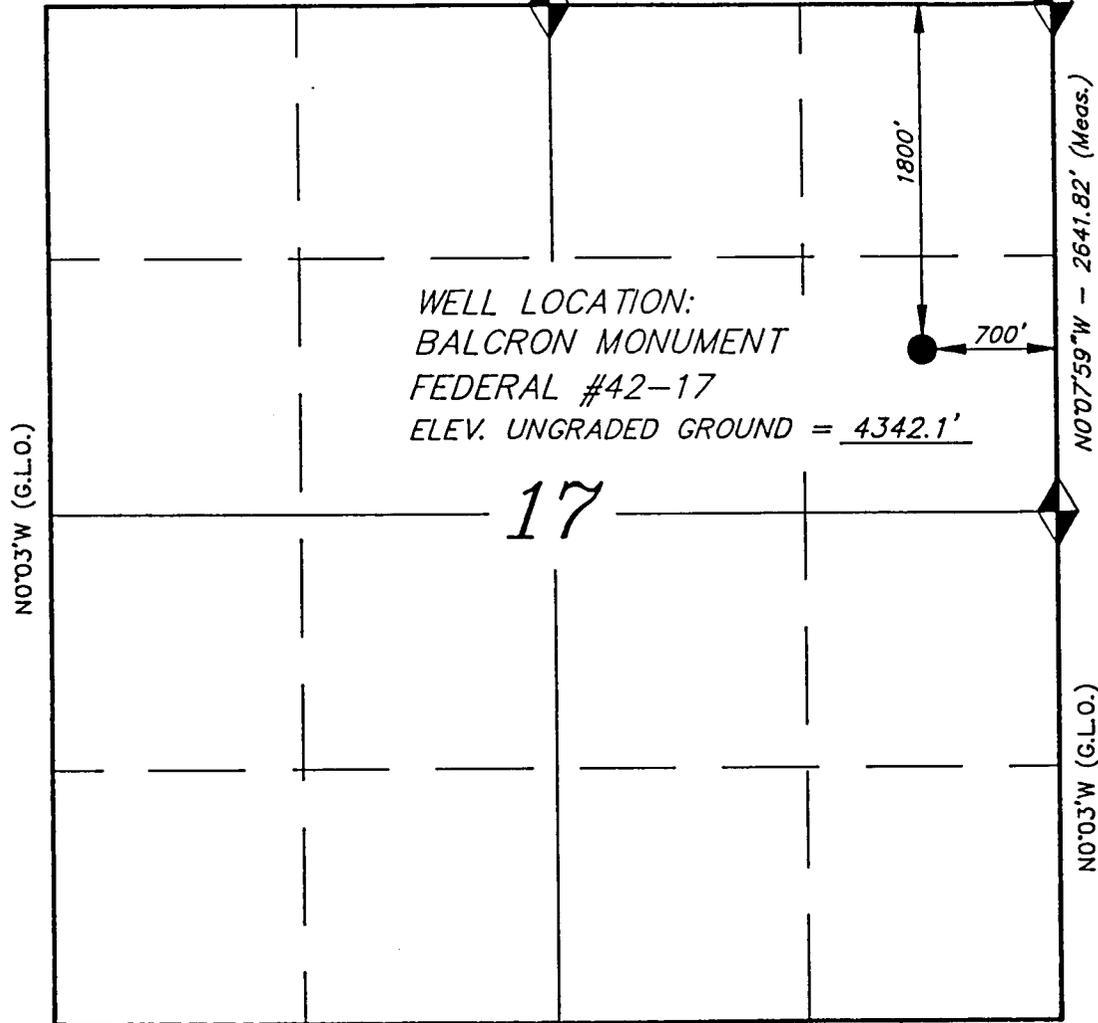
**EQUITABLE RESOURCES ENERGY CO.**

S89°55'W - 40.00 (G.L.O.)

S89°55'W (G.L.O.) Basis of Bearings  
2652.06' - Measured

WELL LOCATION, BALCRON MONUMENT FEDERAL #42-17, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 17, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

EXHIBIT "K"



WELL LOCATION:  
BALCRON MONUMENT  
FEDERAL #42-17  
ELEV. UNGRADED GROUND = 4342.1'

17

N0°03'W (G.L.O.)

N0°07'59"W - 2641.82' (Meas.)

N0°03'W (G.L.O.)

S89°52'W - 80.02 (G.L.O.)



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES, REPRODUCTION OF 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



= SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. (DATED 1910)  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

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

SCALE: 1" = 1000'	SURVEYED BY: G.S. P.II.
DATE: 8-3-94	WEATHER: HOT
NOTES:	FILE #42-17



**Equitable Resources Energy Company : Page 1 of 2  
Balcron Oil Division**

**DRILLING PROGRAM**

**WELL NAME: Balcron Monument Fed. 42-17 PROSPECT/FIELD: Monument Butte**  
**LOCATION: SE NE Sec. 17 Twn. 98 Rge. 17E**  
**COUNTY: Duchesne STATE: Utah**

**TOTAL DEPTH: 5700**

**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:

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

**COMMENTS**

- No cores or DST's are planned.

DMM/8/10/94

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed. 42-17
Project ID:	Location: Duchesne, Utah

Design Parameters:

Mud weight ( 8.60 ppg) : 0.447 psi/ft  
 Shut in surface pressure : 1976 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	5,700	5-1/2"	15.50	K-55	ST&C	5,700	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2546	4040	1.587	2546	4810	1.89	88.35	222	2.51 J

Prepared by : McCoskery, Billings, MT  
 Date : 08-10-1994  
 Remarks :

Minimum segment length for the 5,700 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.447 psi/ft and  
 2,546 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

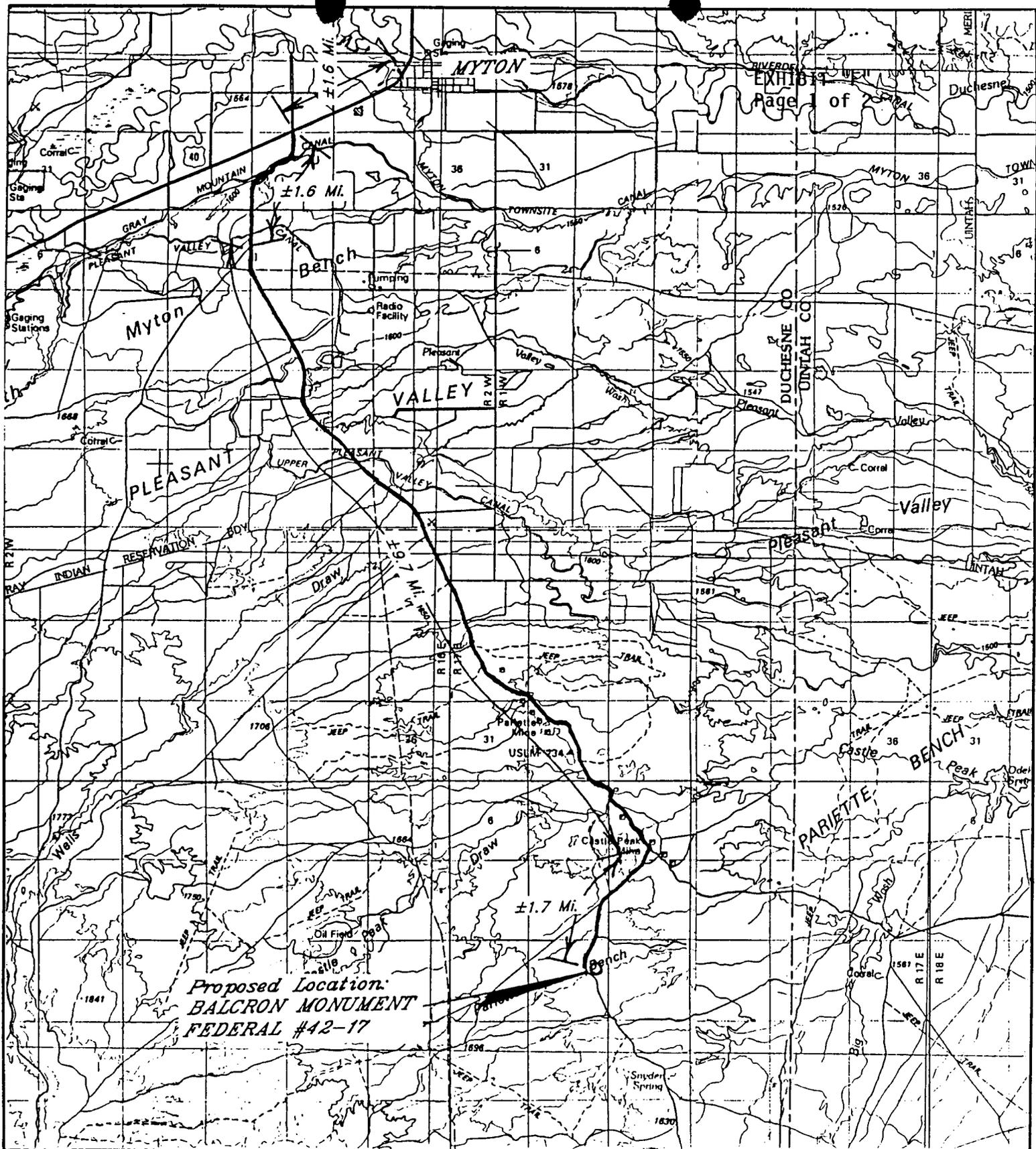
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

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:

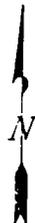
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

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



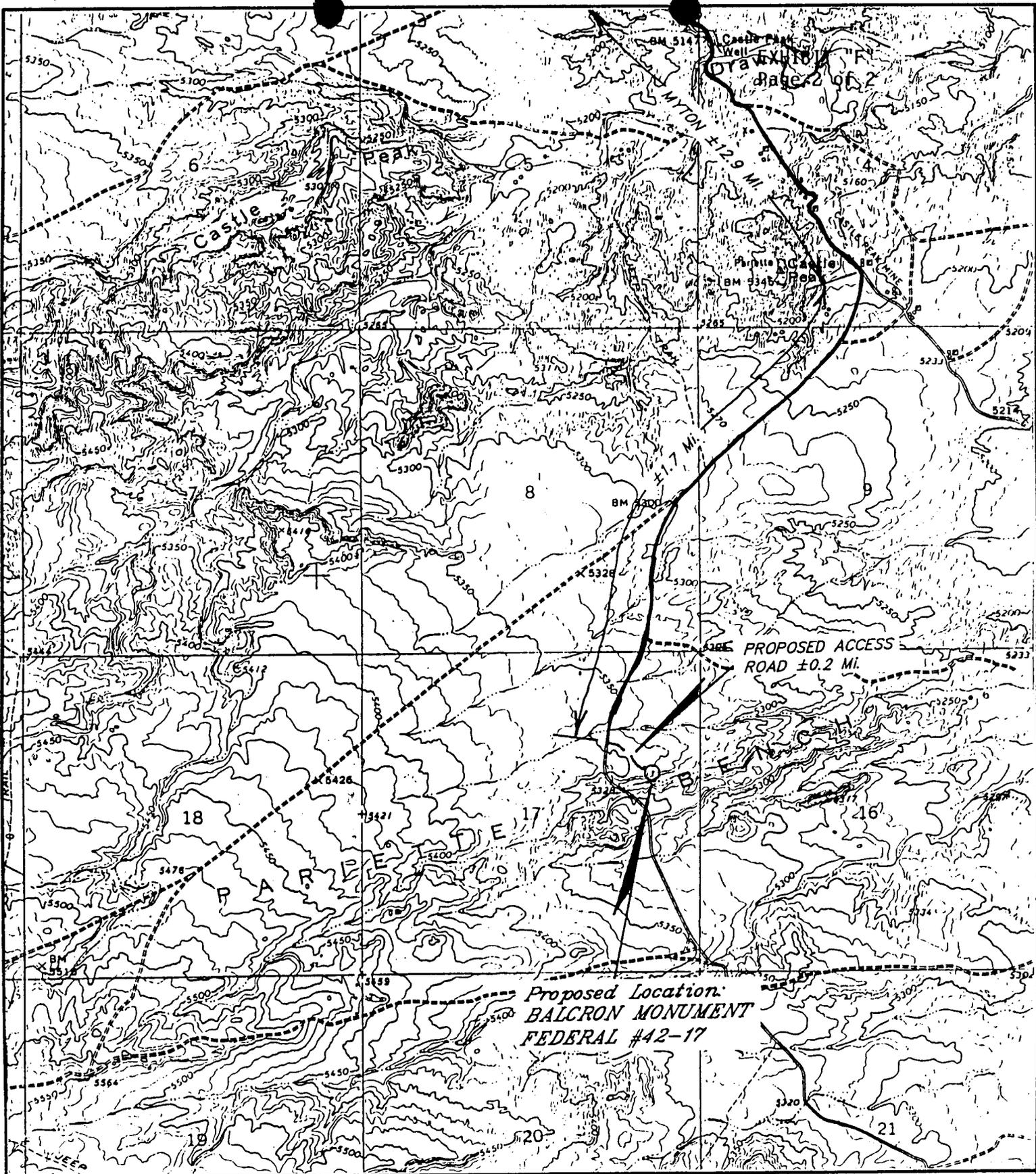
**EQUITABLE RESOURCES CO.**

BALCRON MONUMENT FEDERAL #42-17  
SECTION 17, T9S, R17E, S.L.B.&M.  
TOPO "A"



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

38 WFS! 100 NORTH /ERNAL, UTAH 84078



**EQUITABLE RESOURCES CO.**

BALCRON MONUMENT FEDERAL #42-17  
 SECTION 17, T9S, R17E, S.L.B.&M.  
 TOPO "B"



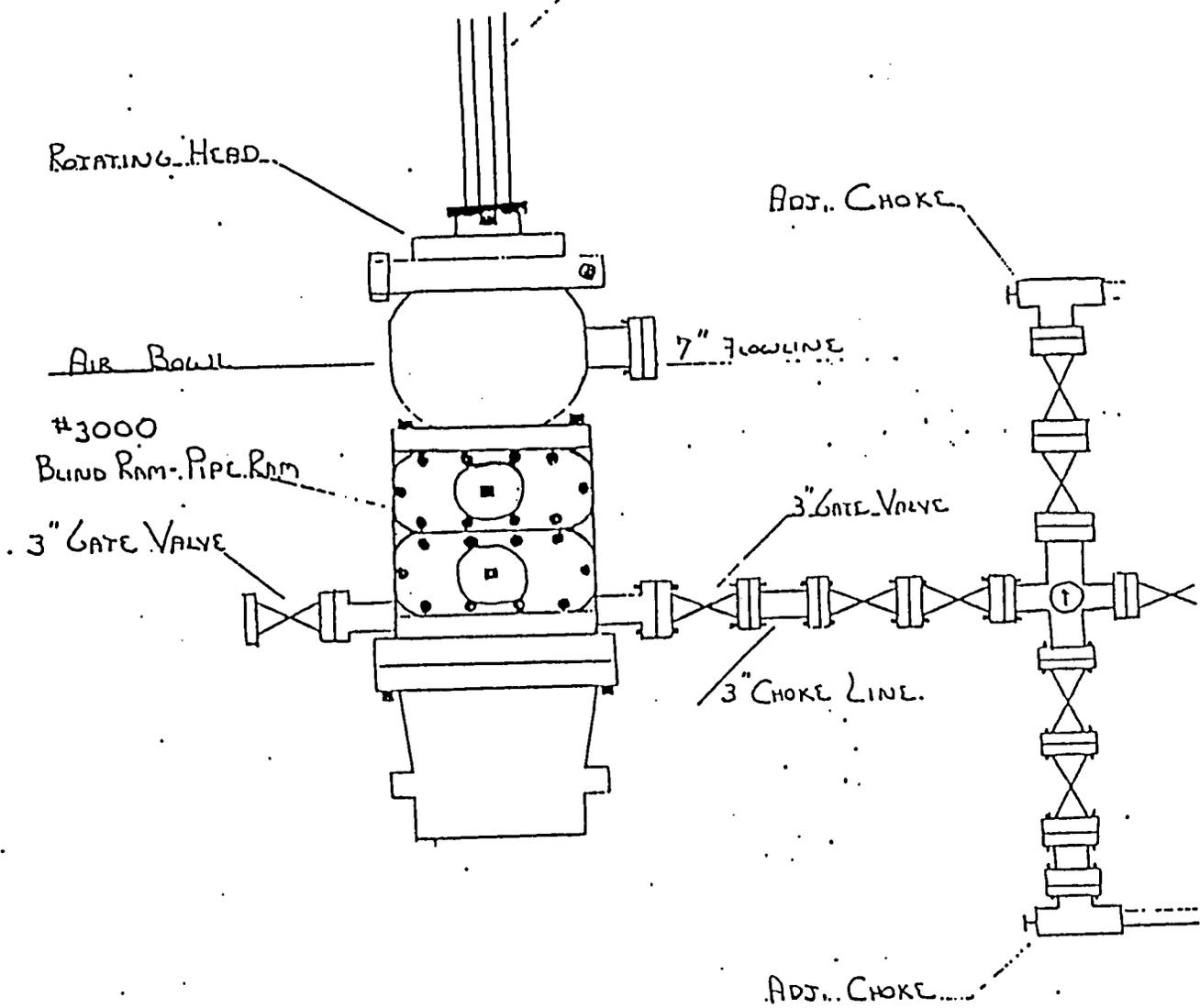
SCALE: 1" = 2000'

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

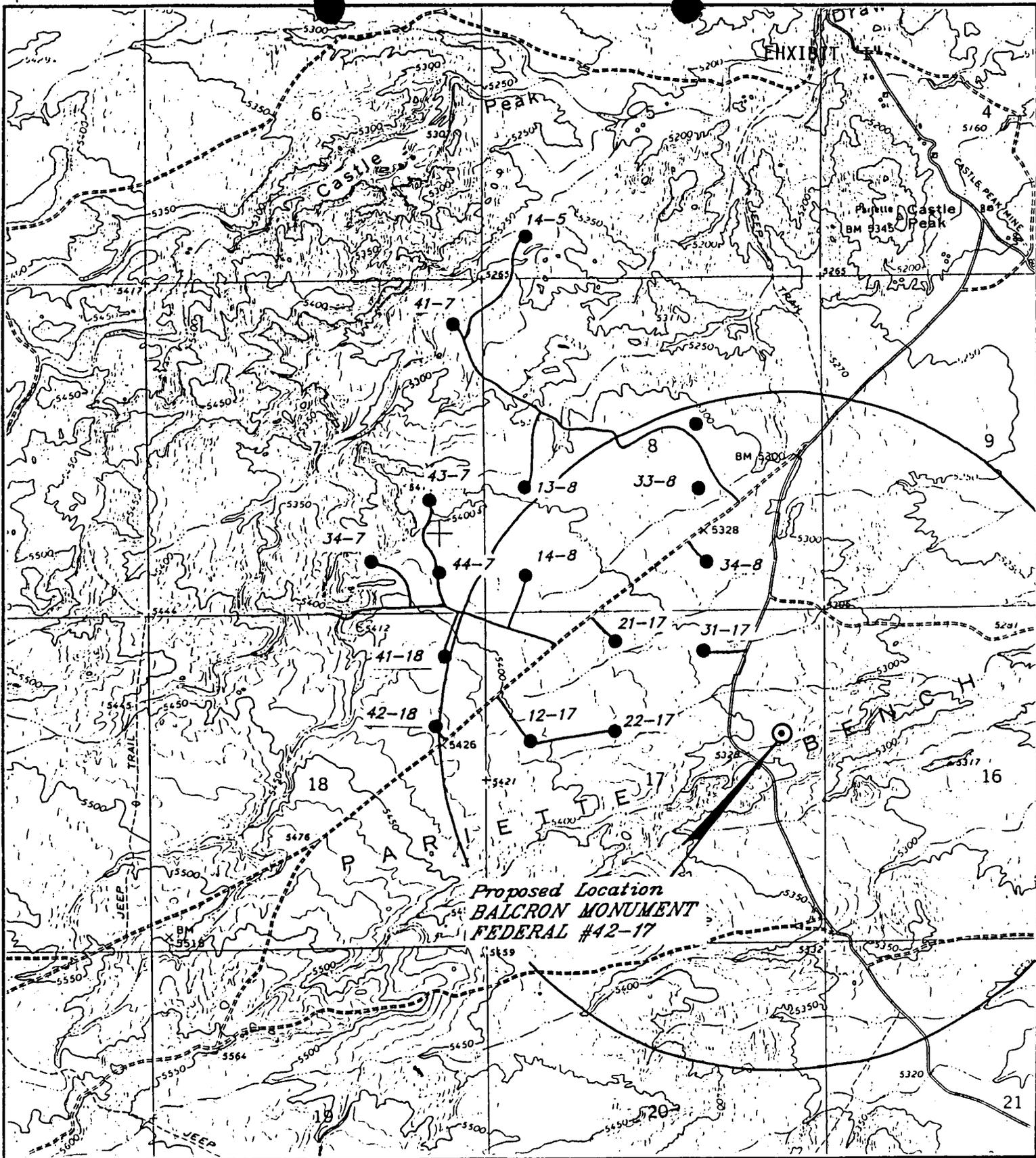
38 WEST 100 NORTH VERNAL, UTAH 84078



UNION DRILLING RIG #17 Hex Kelly -



#3000 Stack



**EQUITABLE RESOURCES ENERGY CO.**

BALCRON MONUMENT FEDERAL #42-17  
 SECTION 17, T9S, R17E, S.L.B.&M.  
 TOPO "C"



SCALE: 1" = 2000'

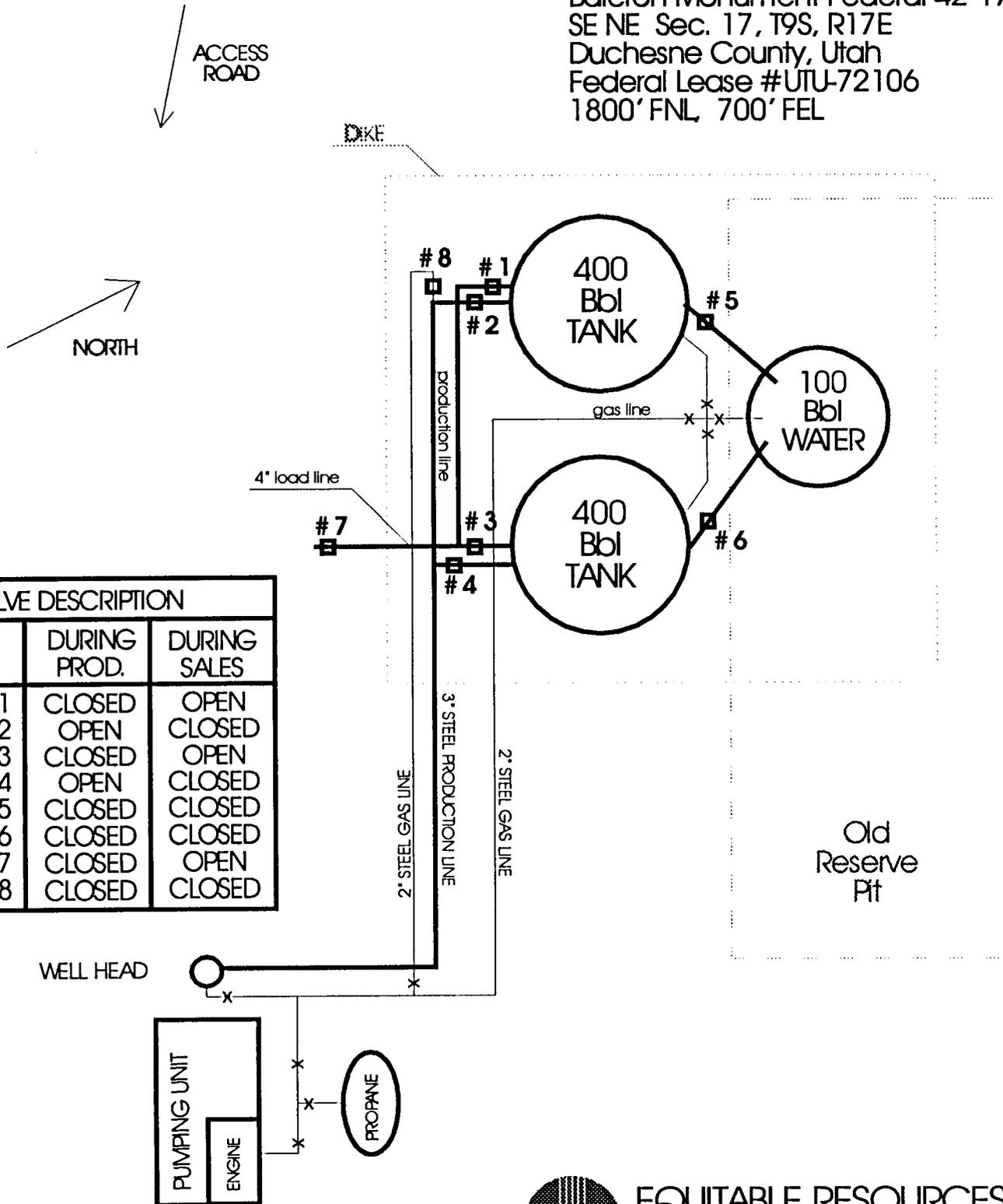
**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

Equitable Resources Energy Company  
 Balcron Monument Federal 42-17  
 Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 42-17  
 SE NE Sec. 17, T9S, R17E  
 Duchesne County, Utah  
 Federal Lease #UTU-72106  
 1800' FNL, 700' FEL



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

DIAGRAM NOT TO SCALE

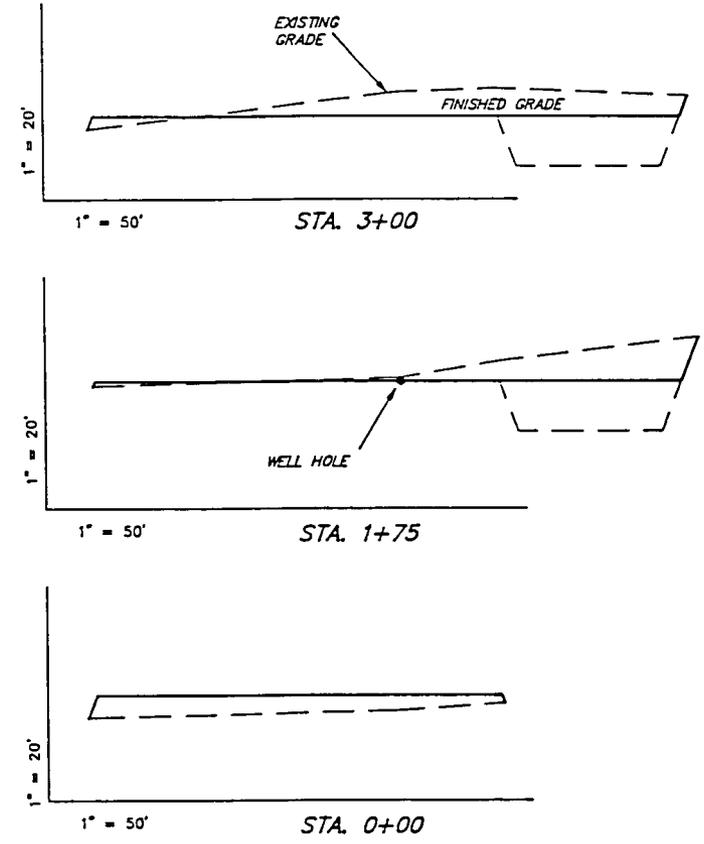
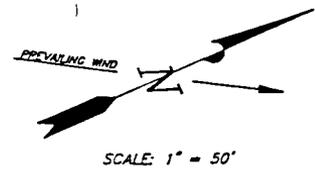
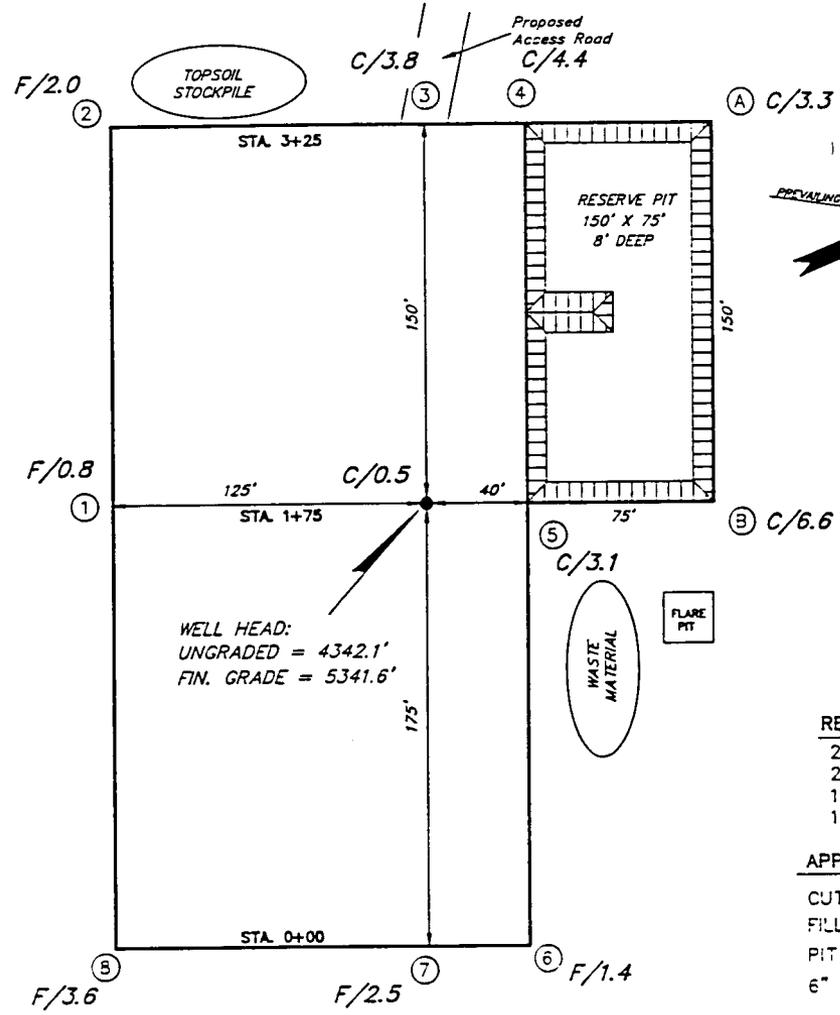


EQUITABLE RESOURCES  
 ENERGY COMPANY  
 BALCRON OIL DIVISION  
 1601 Lewis Avenue  
 P.O. Box 21017  
 Billings, MT 59104-1017  
 (406) 259-7860

EXHIBIT "L"

**EQUITABLE RESOURCES ENERGY CO.**

**BALCRON MONUMENT FEDERAL #42-17**



**REFERENCE POINTS**

- 200' WEST 5336.8'
- 250' WEST 5346.5'
- 150' NORTH 5346.4'
- 175' NORTH 5345.4'

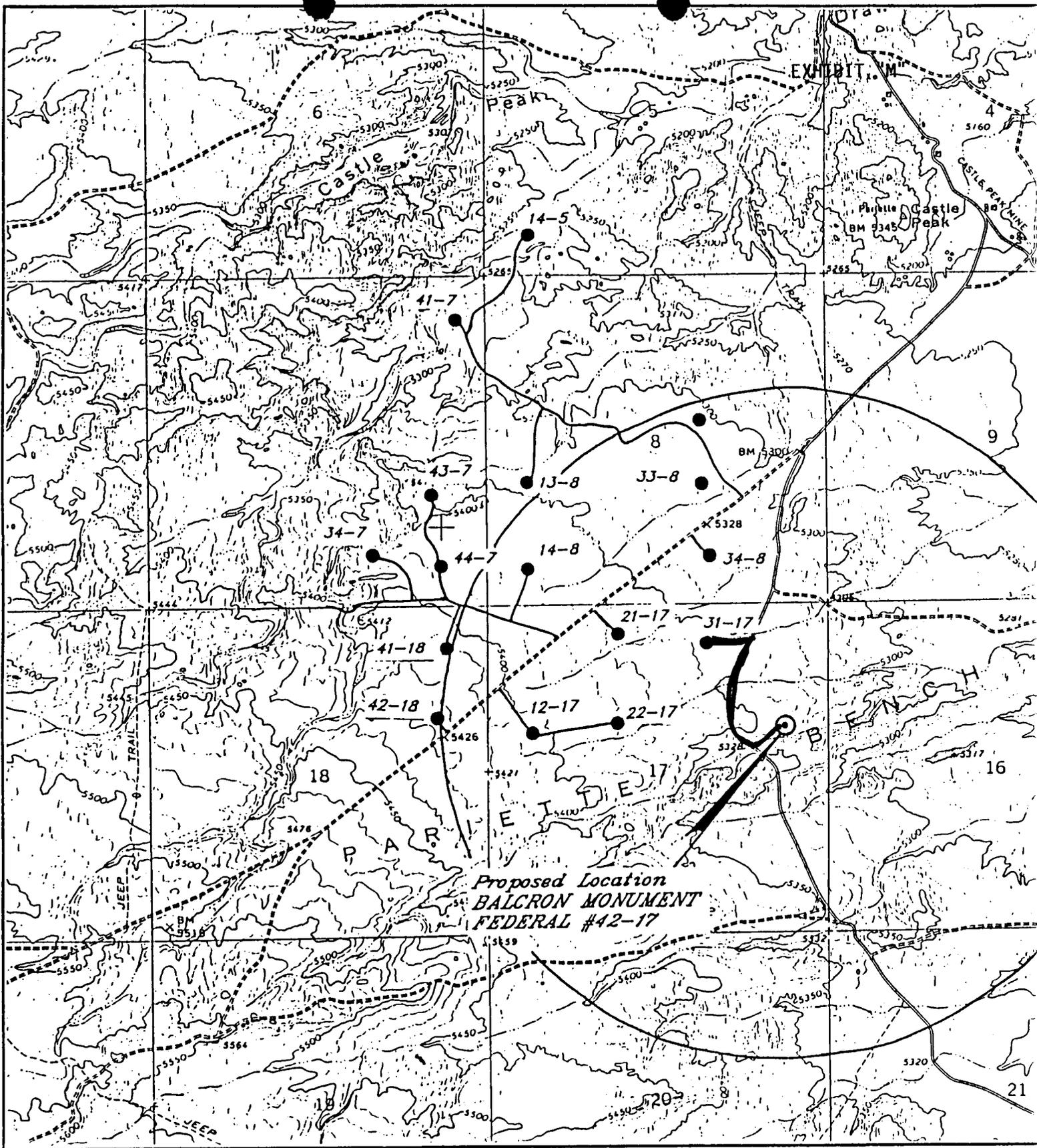
**APPROXIMATE YARDAGES**

- CUT = 2,960 Cu. Yds.
- FILL = 1,770 Cu. Yds.
- PIT = 2,978 Cu. Yds.
- 6" TOPSOIL = 1,350 Cu. Yds.

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

FILENAME: 42-17

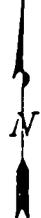
38 WEST 100 NORTH VERNAL, UTAH 84078



Proposed Location  
BALCRON MONUMENT  
FEDERAL #42-17

**EQUITABLE RESOURCES ENERGY CO.**

BALCRON MONUMENT FEDERAL #42-17  
SECTION 17, T9S, R17E, S.L.B.&M.  
TOPO "C"



SCALE: 1" = 2000'

**Tri State**  
Land Surveying, Inc.  
(301) 781-2501

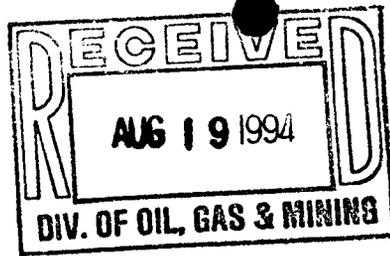
38 WEST 130 NORTH VERNAL, UTAH 84078



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 [J  
FAX: (406) 245-1361 X

August 17, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are Applications for Permit to Drill the following wells:

Balcron Monument Federal #32-17  
SW NE Section 17, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #41-17  
NE NE Section 17, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #42-17  
SE NE Section 17, T9S, R17E  
Duchesne County, Utah

Archeology and paleontology has been ordered and the reports will be sent to you as soon as they are received.

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

Sincerely,

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining

# **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

EXHIBITS FOR MONUMENT BUTTE AREA WELLS:

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

8/16/94

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #42-17  
SE NE Section 17-T9S-R17E  
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

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

- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon 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. VARIANCE REQUESTS

- a. Operator requests a variance to regulations requiring a straight run blooie line. Where possible, a straight run blooie line will be used; where it is not possible, a bent blooie line will be used.
- b. Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #42-17  
SE NE Section 17, T9S, R17E  
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 9.7 miles to a road intersection. Turn right and continue 1.7 miles to proposed access road sign. Follow flags 0.2 miles 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 0.1 mile 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: To be specified in BLM Conditions of Approval.
- f. No culverts or bridges will be required. See EXHIBIT "L".
- 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 necessary for the proposed access, please consider this the Application.

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. Water to be used for the completion of this well will be hauled by truck over the roads described in this Surface Use Program from a spring owned by Joe Shields of Myton, Utah.
- b. No water well will be drilled on this location.
- c. If another water source is used, it will be from a permitted source.

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.
- 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 a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. The liner 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.
- f. If a flare pit is used, it will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead.
- g. Stockpiled topsoil (first 6 inches) will be stored as shown on EXHIBIT "L".
- h. Access to the wellpad will be west near corner #3.
- 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.

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. The plastic nylon reinforced liner 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. Archeology and paleontology surveys have been ordered and copies of those reports will be submitted to the Bureau of Land Management upon receipt by the Operator.
- 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. EXHIBIT "M" is a map showing the proposed route of the gas pipeline should this well be a producer. The line will tie into the existing line on the Balcron Monument Federal #31-17. The line will be a two-inch SDR-11 polyerathane line. All gas will be metered through the existing gas meter from Lease #U-3563A. If a Right-of-Way is necessary for the gas pipeline for this well, please consider this the application.

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, Drilling Engineer Home: (406) 248-3864

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.

August 17, 1994  
Date

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

/rs

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/19/94

API NO. ASSIGNED: 43-013-31467

WELL NAME: BALCRON MONUMENT FED42-17  
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
 SENE 17 - T09S - R17E  
 SURFACE: 1800-FNL-0700-FEL  
 BOTTOM: 1800-FNL-0700-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
 LEASE NUMBER: UTU-72106

PROPOSED PRODUCING FORMATION: GRRV

<p>RECEIVED AND/OR REVIEWED:</p> <p><u>Y</u> Plat</p> <p><u>Y</u> Bond: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/>          (Number <u>5547188</u>)</p> <p><u>N</u> Potash (Y/N)</p> <p><u>N</u> Oil shale (Y/N)</p> <p><u>Y</u> Water permit          (Number <u>PRIVATE WELL</u>)</p> <p><u>N</u> RDCC Review (Y/N)          (Date: _____)</p>	<p>LOCATION AND SITING:</p> <p>___ R649-2-3. Unit: _____</p> <p><input checked="" type="checkbox"/> R649-3-2. General.</p> <p>___ R649-3-3. Exception.</p> <p>___ Drilling Unit.          Board Cause no: _____          Date: _____</p>
---	--

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

CONFIDENTIAL  
 PERIOD  
 EXPIRES  
 ON 12-20-90

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

\_\_\_\_\_

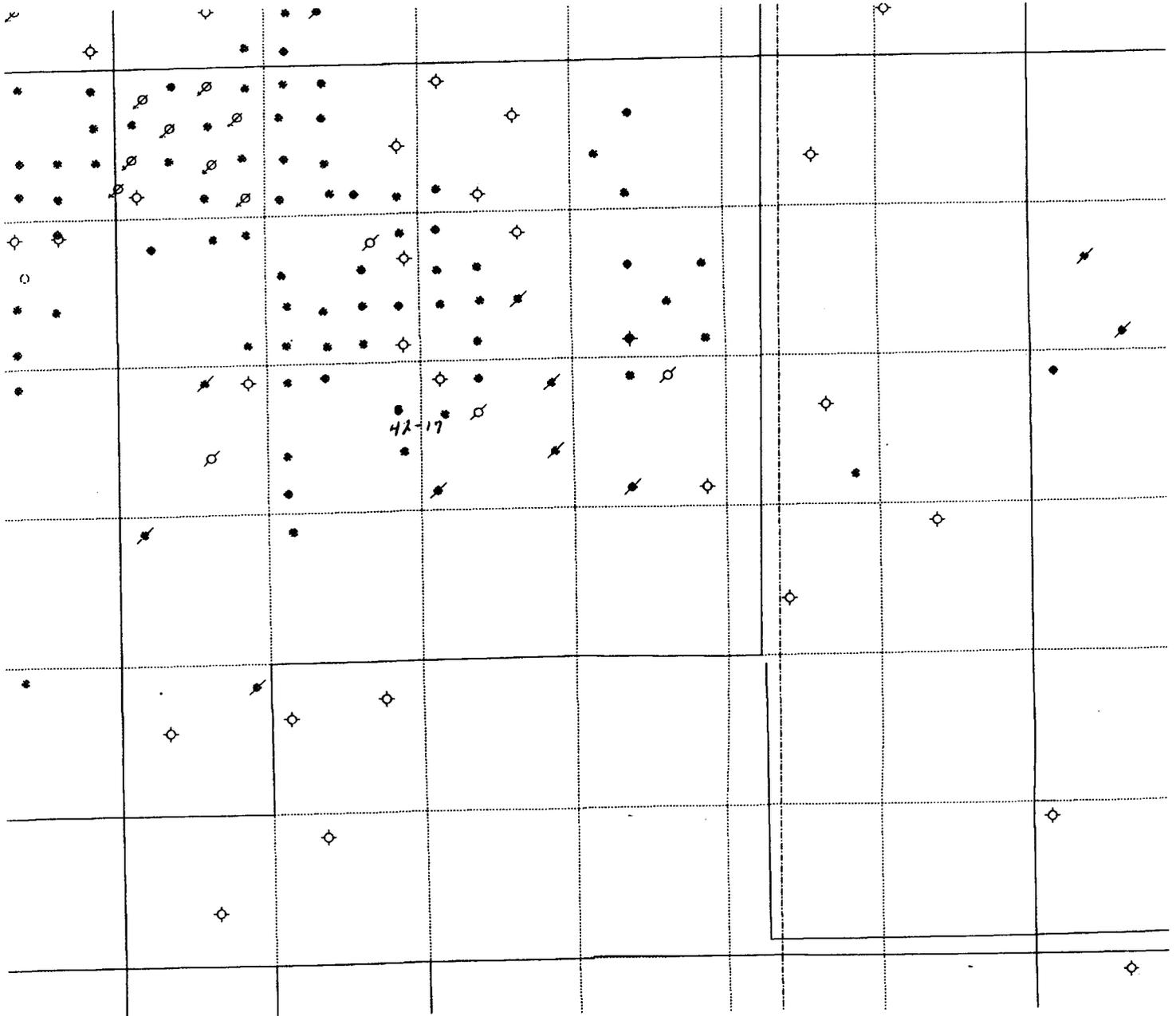
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# PROPOSED LOCATIONS BALCRON MONUMENT BUTTE WATER FLOOD FED 32-17, FED 41-17, FED 42-17



CONFIDENTIAL

AUG 19 1994  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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  
 SE NE Section 17, T9S, R17E 1800' FNL, 700' FEL  
 At proposed prod. zone

5. Lease Designation and Serial No.  
 Federal #UTU-72106

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

7. Unit Agreement Name  
 n/a

8. Firm or Lease Name  
 Balcron Monument Federal

9. Well No.  
 #42-17

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

11. 00, Sec., T., R., M., or Bk. and Survey or Area  
 SE NE Sec. 17, R9S, R17E

12. County or Parrish  
 Duchesne

13. State  
 UTAH

14. Distance in miles and direction from nearest town or post office\*

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease

17. No. of acres assigned to this well

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth  
 5,700'

20. Rotary or cable tools  
 Rotary

21. Elevations (Show whether DF, BT, GR, etc.)  
 GL 5342.1'

22. Approx. date work will start\*  
 October 1, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached Drilling Program/Casing Design				

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

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

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 8-17-94

(This space for Federal or State office use)

APR NO. 43-013-31467 Approval Date \_\_\_\_\_

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

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

DATE: 9/28/94  
 BY: [Signature]  
 WELL SPACING: R649-3-2

\*See Instructions On Reverse Side



**EQUITABLE RESOURCES**  
ENERGY COMPANY

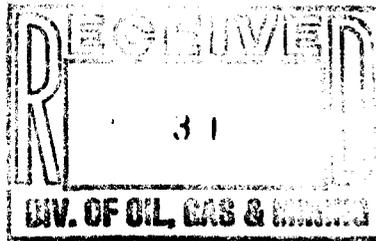
**BALCRON OIL DIVISION**

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

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

August 29, 1994

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



Gentlemen:

Enclosed are Paleontology Reports on the following wells:

Balcron Monument Federal #32-17

Balcron Monument Federal #41-17

Balcron Monument Federal #42-17 43-013-31467

Please consider these part of the Applications for Permit to Drill which have already been submitted.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining

BALCRON OIL

Balcron Monument Federal #42-17  
SE NE Section 17, T9S, R17E, SLB&M  
Duchesne County, Utah

PALEONTOLOGY REPORT  
WELLPAD LOCATION AND ACCESS ROAD

BY

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

AUGUST 23, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #42-17, SE,  
NE, SECTION 17, T9S, R17E, SLB&M.

Description of Geology and Topography-

This well is located 11 miles south of Myton, Utah. It sits toward the west end of Pariette Bench. The immediate area is fairly flat and covered with sandy alluvium and brown/tan angular limestone rock fragments. Drainage is to the south and southeast.

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

There is an exposure of sandstone along the north side of the location. The rest of the road and wellpad have the ground cover described above, but bed rock appears to be close to the surface.

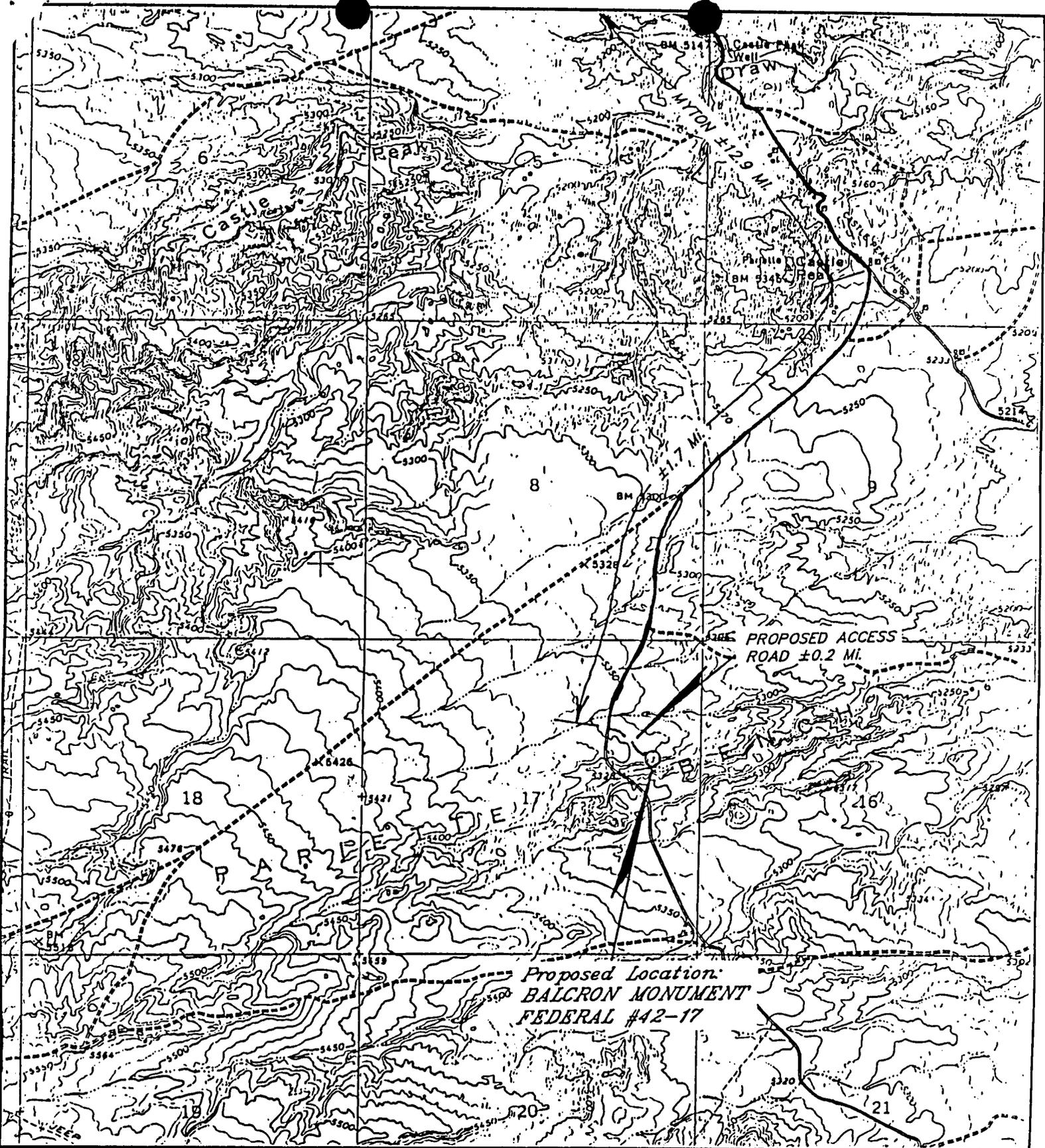
Paleontological material found -

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

Recommendations-

No other recommendations are made for this location.

Alden H. Hamblin Date August 26, 1994



**EQUITABLE RESOURCES CO.**

BALCRON MONUMENT FEDERAL #42-17  
 SECTION 17, T9S, R17E, S.L.B.&M.  
 TOPO "B"



SCALE: 1" = 2000'

**Tri State**  
 Land Surveying, Inc.  
 (801) 731-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078



**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

September 2, 1994

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

Gentlemen:

Enclosed are Cultural Resource Evaluation Reports for the following proposed wellsites and access:

Balcron Monument Federal #32-17  
SW NE Section 17, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #41-17  
NE NE Section 17, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #42-17  
SE NE Section 17, T9S, R17E  
Duchesne County, Utah

Please consider these as part of the Applications for Permit to Drill which have been submitted to your office.

Sincerely,

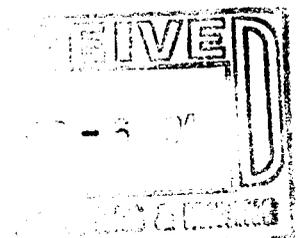
*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining

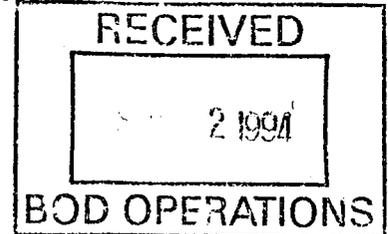




# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

August 30, 1994



*Subject:* **CULTURAL RESOURCE EVALUATION OF THREE  
PROPOSED WELLS IN THE PARIETTE BENCH  
LOCALITY OF DUCHESNE COUNTY, UTAH**

*Project:* Balcron Oil -- 1994 Development  
Units 41-17, 42-17, and 32-17

*Project No.:* BLCR-94-6

*Permit No.:* Dept. of Interior -- UT-94-54937

*State Project No:* UT-94-AF-414b

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

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

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

**CULTURAL RESOURCE EVALUATION  
OF THREE PROPOSED WELL LOCATIONS  
IN THE PARIETTE BENCH LOCALITY  
OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-94-54937  
AERC Project 1449 (BLCR-94-6)

Utah State Project No.: UT-94-AF-414b

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

August 26, 1994

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of three proposed wells and associated access routes situated on federally administered lands located in the Pariette Bench locality of Duchesne County, Utah. This evaluation involved a total of 31.6 acres, of which 30 acres are associated with the various well pads and an additional 1.6 acres are associated with three access road rights-of-way. These evaluations were conducted by Glade Hadden of AERC on August 24, 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.

No isolated artifacts were noted and recorded during the investigations.

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

TABLE OF CONTENTS

	page
Abstract . . . . .	ii
Table of Contents . . . . .	iii
List of Maps of the Project Area . . . . .	iv
General Information . . . . .	1
Project Location . . . . .	1
Environmental Description . . . . .	3
Previous Research in the Locality . . . . .	3
File Search . . . . .	3
Prehistory and History of the Project Area . . . . .	3
Site Potential in the Project Development Zone . . . . .	4
Field Evaluations . . . . .	4
Methodology . . . . .	4
Site Significance Criteria . . . . .	5
Results of the Inventory . . . . .	5
Conclusion and Recommendations . . . . .	6
References . . . . .	7

LIST OF MAPS OF THE PROJECT AREA

	page
MAP 1: Cultural Resource Survey of Three Proposed Well Locations in the Pariette Bench Locality of Duchesne County, Utah . . . . .	2

## GENERAL INFORMATION

On August 24, 1994, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved three proposed well locations and associated access roads in the Pariette Bench area south of Myton, Utah. Some 31.6 acres were examined which include 30 acres associated with the three well pads and an additional 1.6 acres associated with access routes into the locations. Portions of the access routes lying outside the ten acre well pad survey include 200 feet (.46 acres) associated with Unit 41-17, 300 feet (.68 acres) associated with Unit 42-17 and 200 feet (.46 acres) associated with Unit 32-17 for a total of 1.6 acres. This project is situated in the Pariette Bench locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

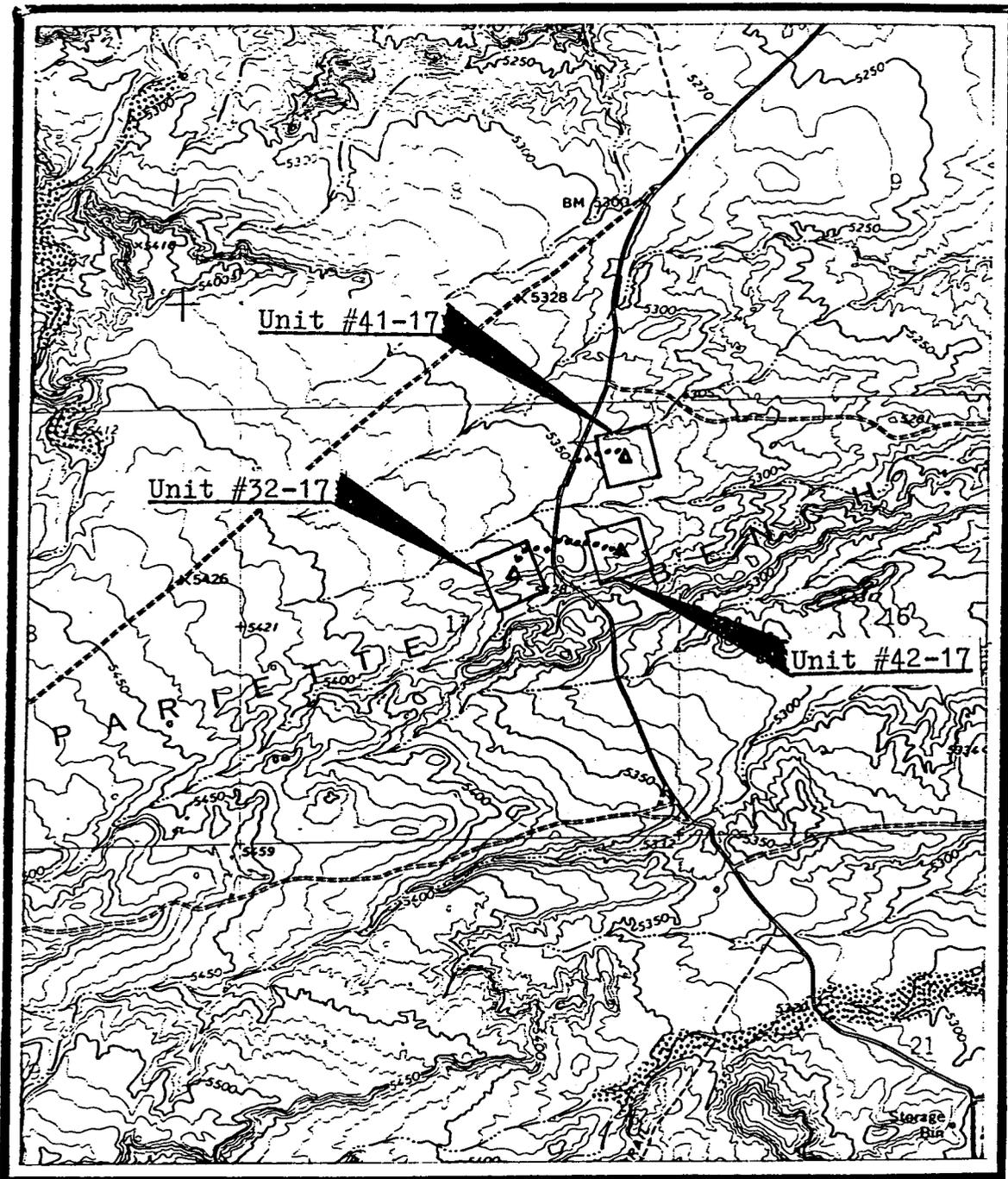
The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations requires an archaeological evaluation in compliance 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 Pariette Bench locality of Duchesne County, Utah. It is situated on the Myton SE 7.5 minute topographic quad. The proposed drilling locations are as follows: Unit 41-17 is located in the NE-NE quarter of Section 17, Township 9 South, Range 17 East (See Map); Unit 42-17 is located in the SE-NE quarter of Section 17, Township 9 South, Range 17 East (See Map); Unit 32-17 is located in the SW-NE quarter of Section 17, Township 9 South, Range 17 East (See Map).

AERC



T. 09 South  
 R. 17 East  
 Meridian: SLBM  
 Quad: Myton SE  
 Utah

**MAP**  
 Cultural Resource Survey of  
 Three Proposed Well  
 Locations in the Pariette  
 Bench Locality, Duchesne Co.

**Legend:**  
 Well Location   
 Area Surveyed   
 Access Route 



Project: Scale: 1:24,000  
 Series: BLCR-94-6  
 Date: Uintah Basin  
 8/26/94



## Environmental Description

The project area is within the 5300 to 5400 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *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 August 16, 1994. A similar search was conducted in the Vernal District Office of the BLM on August 24, 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 locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

## Prehistory and History of the Cultural Region

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

## Site Potential in the Project Development Zone

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

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each well pad area. In addition, the total 700 feet of associated access routes were surveyed by the archaeologist walking a pair of 15 meter-wide transects on each side of the flagged access route right of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 1.6 acres) was examined for the total 700 foot-long proposed access roads, in addition to the thirty 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.

No diagnostic isolated artifacts were observed and recorded during the evaluation.

## CONCLUSION AND RECOMMENDATIONS

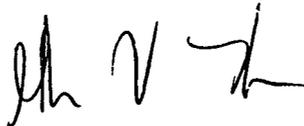
No known significant cultural resources will be adversely impacted during the development and operation of Balcron Units 41-17, 42-17 and 32-17 as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations 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



Glade V Hadden  
Field Supervisor

## REFERENCES

Hadden, Glade V and F. R. Hauck

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

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.
- 1984 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.

Norman, V. Garth and F.R. Hauck

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



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

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

September 28, 1994

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

Re: Balcron Monument Federal #42-17 Well, 1800' FNL, 700' FEL, SE NE, Sec. 17, T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

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

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
2. Notification to the Division within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.



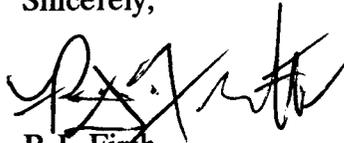
Page 2

Equitable Resources Energy Company  
Balcron Monument Federal #42-17 Well  
September 28, 1994

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31467.

Sincerely,



R.J. Firth  
Associate Director

ldc

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WO11

**CONFIDENTIAL**

SUBMIT IN TRIPPLICATE\*

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  
 SE NE Section 17, T9S, R17E 1800' FNL, 700' FEL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

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

18. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
 5,700'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5342.1' GL

22. APPROX. DATE WORK WILL START\*  
 October 1, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

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

AUG 1 1994

Operator intends to drill this well in accordance with the attached. 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 8-17-94  
 Bobbie Schuman

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER/BLM/DAIS DATE SEP 23 1994  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

UT030-40-145

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

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 42-17

API Number: 43-013-31467

Lease Number: U-72106

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

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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

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

3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at  $\pm 257$  ft. or by setting the surface casing at  $\pm 307$  ft. and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale, identified at  $\pm 2599$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2,399$  ft. if the surface casing is set at  $\pm 357$  ft. or it will be run to  $\pm 100$  ft. if the surface casing is set at  $\pm 260$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

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

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.

3162.8  
UT08438

Equitable Resources Energy Company  
1601 Lewis Avenue Building  
Billings, Montana 59104

Attn: Bobbie Schuman

Re: Confidential Status  
Well: Monument Federal 42-17  
SENE Sec. 17, T9S, R17E  
Duchesne County, Utah  
Lease U-72106

Dear Ms. Schuman:

As you requested, all information for the referenced well will be held confidential. In accordance with 43 CFR 3162.8 of the Code of Federal Regulations, confidential status will be maintained for a period of 12 months, ending (date typed), 1994. Upon expiration of the 12-month period, Equitable Resources Energy Company can request that the data be held confidential for an additional 12-month period.

If you have any other questions concerning this matter please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager  
for Minerals

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

Additional Surface Conditions of Approval

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

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

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

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

If the proposed oil well is scheduled for development between March 15 and August 15, additional surveys for mountain plovers will be required a minimum of 14 days prior to surface disturbance. Contact the Authorized Officer of the BLM for specific procedures.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 42-17

API NO. 43-013-31467

Section 17 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 11/19/94

Time 2:00 PM

How ROTARY

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

Reported by ODALE WILLIAMS

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

Date 11/21/94 SIGNED DLI

12-1-94

CONFIDENTIAL

Form 3160-5 UNITED STATES  
(June 1990) DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.  
**UTU-72106**

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

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

8. Well Name and No.  
**Balcron Monument Federal #42-17**

9. API Well No.  
**43-013-31467**

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

11. County or Parish, State  
**Duchesne County, Utah**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SURFACE: SE NE Section 17, T9S, R17E 1800' FNL, 700' FEL  
TD:**

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

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

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

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

This well was spud on 11-20-94 at 6:15 p.m.

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 11-28-94

(This space for Federal or State office use)

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

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

\*See instruction on Reverse Side

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

OPERATOR ACCT. NO. N 9890

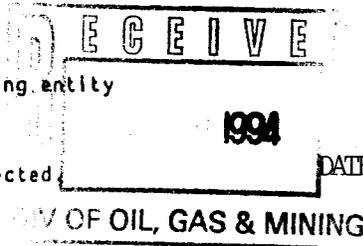
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11698	43-013-31467	Balcron Monument Federal #42-17	SE NE	17	9S	17E	Duchesne	11-20-94	11-20-94
WELL 1 COMMENTS: Spud of a new well. Entity added 12-1-94. f pec											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

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

(3/89)



DATE: 11-28-94

Bobbie Schuman  
Signature

Regulatory and Environmental Specialist  
Title

Date

Phone No. (406) 259-7860

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #42-17

43-013-31467

Location: SE NE Section 17, T9S, R17E

Duchesne County, Utah

1800' FNL, 700' FEL

PTD: 5,700' Formation: Green River

Monument Butte Field

Elevations: 5342.1' GL

Contractor: Union Rig #17

Operator: Balcron/EREC

Spud: 6:15 p.m. 11/20/94

Casing: 8-5/8", 24#, J-55 @ 374'

5-1/2", 15.5#, J-55 @ 5693.50'

Tubing: 2-7/8", 6.5#, J-55 @ 4725.66' KB

---TIGHT HOLE---

10/27/94 Start location

10/28/94

to 11/7/94 Work on location and pit

11/20/94 TD: 374' (374') Day 1

Formation: Surface

Present operation: Run 8-5/8" casing

MI RU Union Rig #17. RU and drill conductor hole and rathole. RU airhead and flowline. Spud at 6:15 p.m. 11/20/94. Blow hole, TOO, pull conductor. RU and run 8 jts 8-5/8" 24# J-55 ST&amp;C casing.

DC: \$8,839

CC: \$26,058

11/21/94 TD: 624' (250') Day 2

Present operation: Drilling

Run 8-5/8" casing. RU and cement by Western w/20 bbls gel ahead of 220 sx "G" cement plug 2% CaCl<sub>2</sub> plug 1/4#/sx Cello-seal. WOC. Cut off 8-5/8" casing. Weld on wellhead. Test 1000#. NU BOPs, test BOP and all related equipment to 2000 psi for 10 minutes. TIH. Plug FC, cement and shoe. survey, Drill. Release turbo. Drill. Change rot. head rubber. LD DC, PU DP, Drill.

DC: \$8,072

CC: \$34,131

11/22/94 TD: 1966' (1312') Day 3

Present operation: Drilling

Drilling, surveys, back to drilling.

DC: \$16,922

CC: \$51,053

11/23/94 TD: 2994' (1028') Day 4

Present operation: Drilling

Formation: Green River

MW: Air foam

Drilling, surveys, rig service, back to drilling.

DC: \$13,374

CC: \$64,427

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #42-17

Location: SE NE Section 17, T9S, R17E  
 Duchesne County, Utah

---TIGHT HOLE---

- 11-24-94 TD: 3,800' (806') Day 5  
 Formation: Green River  
 MW air & foam  
 Present Operation: TIH.  
 Drill, rig service, survey, circ w/air, load hole w/fluid, pump  
 sweep & trip for bit #4.  
 DC: \$11,702 CC: \$76,129
- 11-25-94 TD: 4,090' (290') Day 6  
 Formation: Green River  
 MW 8.7 VIS 27 pH 10.5  
 Present Operation: Drilling  
 TIH, drill, work on pump, drill, trip for hole in pipe, work on  
 pump. Drill, work on pump, pump carbide, drill, rig service, WL  
 survey & drill ahead.  
 DC: \$4,766 CC: \$80,895
- 11-26-94 TD: 4,551' (461') Day 7  
 Formation: Green River  
 MW 8.7 pH 10.5  
 Present Operation: Drilling  
 Drill, try to unplug bit, trip for plugged bit, drill, & work on  
 pump.  
 DC: \$6,913 CC: \$87,808
- 11-27-94 TD: 5,243' (692') Day 8  
 Formation: Green River  
 MW 8.6 VIS 27 pH 10.5  
 Present Operation: Drilling  
 Drill, survey, & rig service.  
 DC: \$9,795 CC: \$97,603
- 11-28-94 TD: 5,697' (454') Day 9  
 Formation: Green Rive  
 MW 8.6 pH 10.5  
 Present Operation: TOOH for logs.  
 Drill, service rig, weld break flange on drawworks, drilling, circ  
 & pump sweep. Blow kelly & TOOH for logs (SLM).  
 DC: \$6,745 CC: \$104,348
- 11-29-94 TD: 5,697' (0') Day 10  
 Formation: Green River  
 Present Operation: Rig released @ 4:30 a.m. 11-29-94.  
 RU Schlumberger & log 1 run GR/DSN/SDL/DLL. TIH LD drill pipe &  
 drill collars. Change pipe rams & test to 2000# - 10 min - OK. RU  
 & run 131 jts 5-1/2", 15.5# J-55 csg. Circ csg. Cmt by Western  
 w/230 sxs lead, & tail w/270 sxs. Plug down @ 12:40 a.m. 11-29-94.  
 ND BOP, set slips, & clean pits. Release rig.  
 DC: \$61,921 CC: \$166,269

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #42-17

Location: SE NE Section 17, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 12-3-94 Completion  
MIRU Cannon Well Service #2. NU 5M well head. NU BOP. SWIFN.  
DC: \$4,907 CC: \$171,176
- 12-5-94 Completion  
TIH w/4-3/4" bit, 5-1/2" scraper, SN & 182 jts 2-7/8" tbg. Circ  
hole clean w/130 bbls 2% KCL wtr. TOO H w/tbg, scraper, & bit. RU  
Schlumberger to run CBL from PBTD to 200' above cmt top, which is  
at 2180' KB. SWI for 36 hrs.  
DC: \$4,781 CC: \$175,957
- 12-8-94 Completion  
RU Schlumberger & perf 4542'-48' (7 holes), 4641'-46' (3 holes),  
4652'-56' (2 holes), & 4662'-64' (2 holes); 14 holes total. RD  
Schlumberger. TIH w/retrieving head, 2-3/8" x 4' sub, HD packer,  
SN, & 152 jts 2-7/8" tbg, set BP @ 4704' KB, set packer @ 7497' KB,  
EOT 4504'. RU Western & do KCl break down on perfs mentioned above  
w/1,974 gals 2% KCL wtr. ATP 3400 psi, max 4950 psi. ATR 4.5 bpm,  
max 4.5 bpm. ISIP 1300. Pump 2 balls/bbl. Flow back 10 BW, TOO H  
w/tbg & packer. RU Western to frac same perfs w/55,920# 16/30 mesh  
sand w/18,312 gals 2% KCL gelled wtr. ATP 3250 psi, max 3900 psi.  
ATR 30 bpm, max 32 bpm. ISIP 2100 psi, 5 min 1950 psi, 10 min 1750  
psi, 15 min 1630, 38 min 1300 psi. SWIFN.  
DC: \$32,233 CC: \$208,190
- 12-9-94 Completion  
CP 75 psi, flow back 45 BW. TIH w/retrieving tools, 2-3/8" x 4'  
sub, HD packer 2-3/8" x 2-7/8" XOver, SN & 148 jts 2-7/8" tbg. Tag  
sand @ 4561' KB, circ down to BP @ 4704' KB. Set packer @ 4497' KB.  
Made 21 swab runs, recovered 110 bbls of fluid, trace oil, 110 BW,  
good gas, no sand last 4 runs. Fluid level @ 2100' last 4 runs.  
Release packer, tag sand @ 4692' KB, circ down to BP @ 4704' KB.  
Retrieve BP, reset BP @ 4038' KB. TOO H w/tbg & packer. SWIFN.  
DC: \$2,598 CC: \$210,788
- 12-10-94 Completion  
RU Schlumberger to perf 3972'-81' & 3986'-91' (4 SPF). RD  
Schlumberger. TIH w/packer & 128 jts 2-7/8" tbg. Set packer @  
3936' KB, EOT @ 3943' KB. RU Western to break down perfs w//2,604  
gals 2% KCL wtr. ATP 2000 psi, max 3800 psi. ATR 5 bpm, max 5.4  
bpm. ISIP 1400 psi. Pump 4 balls/bbl.  
DC: \$5,079 CC: \$215,867
- 12-12-94 Completion  
RU Western to frac 3972'-81', 3986'-91'. See attached treatment  
report. Load to recover 588 BOW.  
DC: \$25,167 CC: \$241,034

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #42-17

Location: SE NE Section 17, T9S, R17E  
 Duchesne County, Utah

---TIGHT HOLE---

## 12-13-94 Completion

CP 480 psi, flow back 54 BW. TIH w/retrieving tools, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" XOver, SN, & 128 jts 2-7/8" tbg. Tag sand @ 3922' KB, circ down to BP @ 4038' KB, made 23 swab runs, recovered 121 bbls of fluid, trace oil, 121 BW, good gas no sand last 5 runs. Fluid level stable @ 1800' last 4 runs. Release packer, tag sand @ 4025' KB. Circ down to BP @ 4038' KB, release BP. TOOH w/tbg & tools. TIH w/tbg production string:

	LENGTH	DEPTH KB
1 jt 2-7/8" EUE J-55 8rd 6.5#	27.93'	4725.66'
1 perf sub 2-7/8" x 4'	4.20'	4697.73'
1 Seat nipple	1.10'	4603.53'
24 jts 2-7/8" EUE J-55 8rd 6.5#	757.22'	4692.43'
1 tbg anchor 2-7/8" x 5-1/2"	2.35'	3935.21
128 jts 2-7/8" J-55 6.5#	3922.86'	3932.86'
ND BOP, ND 5M well head, NU 3M well head. SWIFD.		
DC: \$17,527	CC: \$258,561	

## 12-14-94 Completion

TIH w/production rod string:

1 - BHP 2-1/2"x1-1/2"x 16' RWAC w/pa plunger.

188 - 3/4" x 25' D-61 Plain Rods

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

Pressure test BHP & tbg to 1000 psi - OK. Clamp rods off. SWI. RDMO.

DC: \$3,907

CC: \$262,468

## 12-20-94 Started well pumping @ 1:45 p.m. 6.25 SPM, 86" stroke.

DC: \$30,783

CC: \$293,251

**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

Expires: March 31, 1993  
 5. Lease Designation and Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Federal #42-17

9. API Well No.

43-013-31467

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

11. County or Parish, State

Duchesne County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

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

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

SURFACE: SE NE Section 17, T9S, R17E 1800' FNL, 700' FEL  
TD:

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

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

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

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

First production on this well was on 12-20-94 at 1:45 p.m.

**FIVE**

**7 1994**

**DEPT OF OIL, GAS & MINING**

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

Signed Lobbie Schuman

Title Regulatory and Environmental Specialist

Date 12-21-94

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

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

**\*See Instruction on Reverse Side**

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

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

Well Name: BALCRON MONUMENT FED #42-17 API Number: 43-013-31467

Section: 17 Township: 9S Range: 17E County: DUCHESNE Field: GREEN RIVER

Well Status: POW Well Type: Oil: Y 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): Y

**PUMPS:**

Triplex:      Chemical: Y Centrifugal:     

**LIFT METHOD:**

Pumpjack: Y Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter: N Sales Meter: N

**TANKS:**

NUMBER

SIZE

Oil Storage Tank(s): Y 2-400 OIL W/BUTNERS BBLs

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

Power Water Tank:           BBLs

Condensate Tank(s):           BBLs

Propane Tank: N

Central Battery Location: (IF APPLICABLE)

REMARKS: WATER TANK IS NOT HOOKED UP YET. ONE INCH RESIDUE USED TO FIRE  
EQUIPMENT. TWO INCH PLASTIC GAS LINE FOR SALES NOT HOOKED UP YET. METERING  
IS DONE OFF LOCATION. FLARING SOME GAS TO RESERVE PIT.

Inspector: DENNIS L. INGRAM Date: 1/5/95

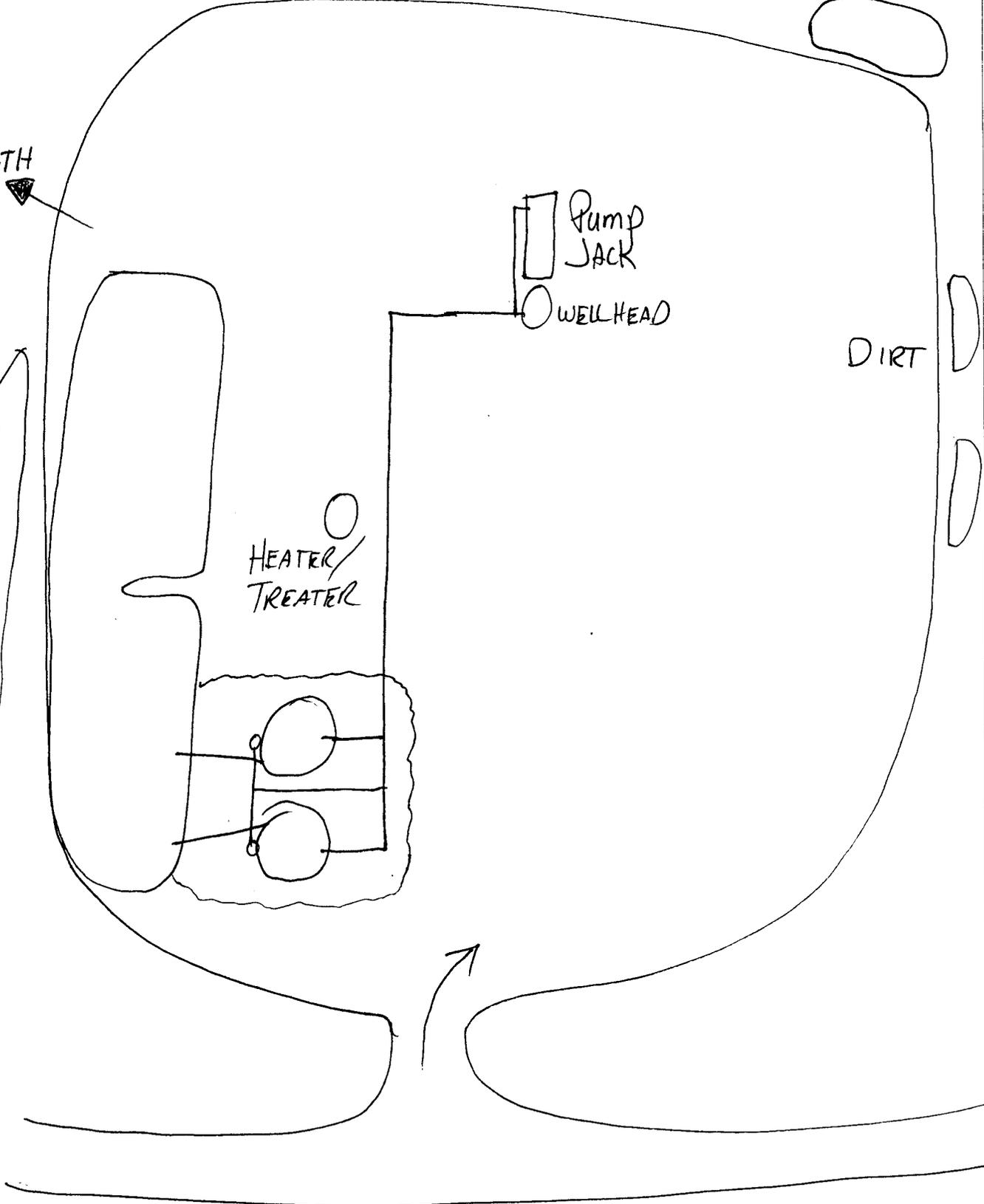
EQUITABLE RESOURCES ENERGY UTU-72106  
BMF #42-17 43-013-31467  
SEC 17; T9S; R17E

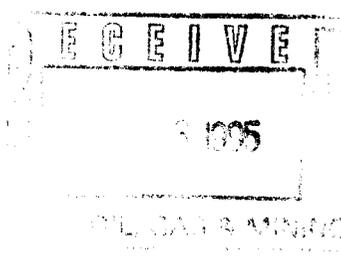
POW 1/5/95

DIRT

43 381 50 SHEETS 5 SQUARE  
43 382 50 SHEETS 5 SQUARE  
43 383 50 SHEETS 5 SQUARE  
43 384 50 SHEETS 5 SQUARE  
43 385 50 SHEETS 5 SQUARE  
43 386 50 SHEETS 5 SQUARE  
43 387 50 SHEETS 5 SQUARE  
43 388 50 SHEETS 5 SQUARE  
43 389 50 SHEETS 5 SQUARE  
43 390 50 SHEETS 5 SQUARE  
NATIONAL

NORTH





FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993  
 5. Lease Designation and Serial No. UTU-72106  
 6. If Indian, Allottee or Tribe Name n/a  
 7. If Unit or CA, Agreement Designation n/a  
 8. Well Name and No. Balcron Monument Federal #42-17  
 9. API Well No. 43-013-31467  
 10. Field and Pool, or Exploratory Area Monument Butte/Green River  
 11. County or Parish, State Duchesne County, Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: SE NE Section 17, T9S, R17E 1800' FNL, 700' FEL  
 TD:

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 1-19-95

(This space for Federal or State office use)

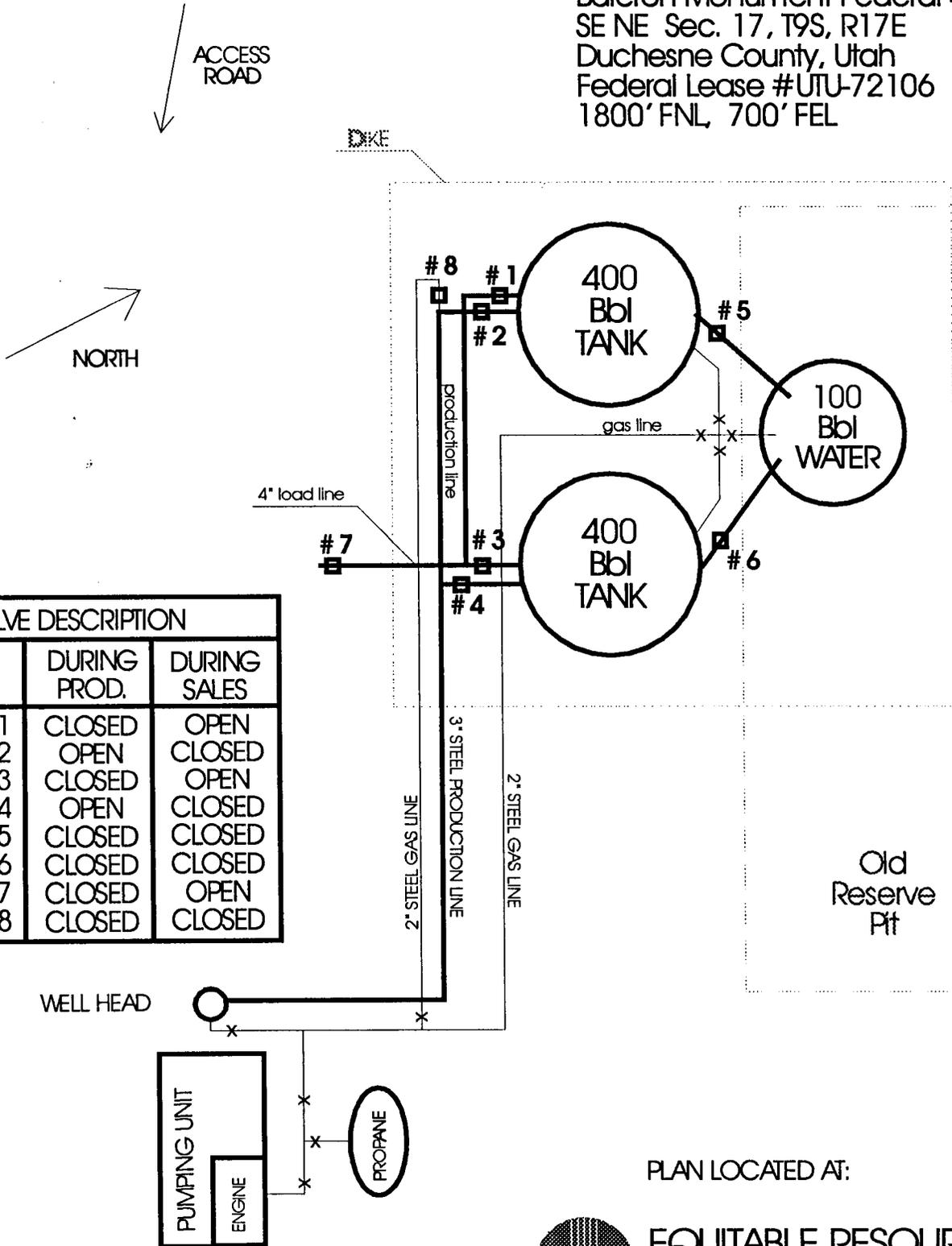
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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 42-17  
Production Facility Diagram**

Balcron Monument Federal 42-17  
SE NE Sec. 17, T9S, R17E  
Duchesne County, Utah  
Federal Lease #UTU-72106  
1800' FNL, 700' FEL



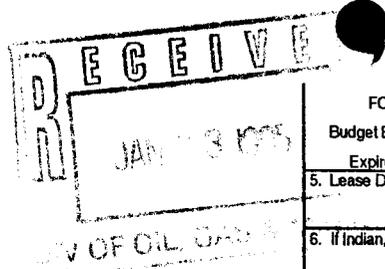
VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN
VALVE #8	CLOSED	CLOSED

DIAGRAM NOT TO SCALE

PLAN LOCATED AT:



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



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE; SE NE Section 17, T9S, R17E  
 TD: 1800' FNL & 700' FEL

5. Lease Designation and Serial No.  
 UTU-72106

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

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

8. Well Name and No.  
 Balcron Monument Federal #42-17

9. API Well No.  
 43-013-31467

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

11. County or Parish, State  
 Duchesne County, Utah

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

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

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

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

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

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

Signed: Molly Conrad Title: Operations Secretary Date: 1-19-95

(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 #42-17

API number: 43-013-31467

2. Well Location: QQ SE NE Section 17 Township 9S Range 17E County Duchesne

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

Address: P.O. Box 21017

Billings, MT 59104

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhamcn 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 reported	
		during drilling operations.	

6. Formation tops: See Geological Report submitted separately.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

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

Date: 1-19-95

Name & Signature: Molly Conrad, Molly Conrad

Title: Operations Secretary

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL  
JAN 23 1995

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

6. LEASE DENOMINATION AND SERIAL NO.  
UTU-72106  
7. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a

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

8. PERMIT AGREEMENT NAME  
n/a  
9. FARM OR LEASE NAME  
Balcron Monument Federal

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

10. WELL NO.  
#42-17

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1800' FNL & 700' FEL

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

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-013-31467 DATE ISSUED 9-28-94

15. DATE SPUDDED 11-20-94 16. DATE T.D. REACHED 11-29-94 17. DATE COMPL. (Ready to prod.) 12-20-94

19. ELEV. CASINGHEAD  
n/a

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5342.1' GL

20. TOTAL DEPTH, MD & TVD 5697' 21. PLUG, BACK T.D., MD & TVD 5626' 22. IF MULTIPLE COMPL., HOW MANY\* n/a

23. INTERVALS DRILLED BY → SFC - TD 24. ROTARY TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
3972' - 4664' Green River

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
GR/DSN/SFL/DLL

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#	374'	12-1/4"	220 sxs "G" w/additives	None
5-1/2"	15.5#	5693.5'	7-7/8"	230 sxs Super "G" w/additives	None
				270 sxs 50-50 FCZ w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
n/a					SIZE 2-7/8" DEPTH SET (MD) 4725.66' KB PACKER SET (MD) n/a

31. PERFORATION RECORD (Interval, size and number)

4542' - 4548' (7 holes)	3986' - 3991' (4 SPF)
4641' - 4646' (3 holes)	
4652' - 4656' (2 holes)	
4662' - 4664' (2 holes)	
3972' - 3981' (4 SPF)	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4542' - 4664'	Break down w/1974 gals 2% KCL wtr. Frac w/55,920# 16/30 mesh sand w/18312 gals 2% KCL gelled wtr.
3972' - 3991'	Break down w/2604 gals 2% KCL wtr.

33.\* PRODUCTION Frac w/37,142# 16/30 sand w/13566 gals 2% KCL gel wtr.

DATE FIRST PRODUCTION 12-20-94 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-11-95	24	n/a	→	40	N.M.	0	N.M.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	r/a	→	40	N.M.	0	34

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

35. LIST OF ATTACHMENTS  
None

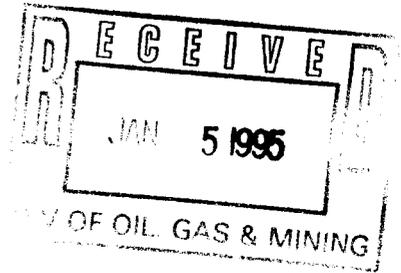
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Molly Conrad TITLE Operations Secretary DATE 1-19-95

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

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

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

38. GEOLOGIC MARKERS



GEOLOGICAL WELLSITE REPORT

Balcron Oil Company  
Monument Federal No. 42-17 UTU 72106  
SENE Sec. 17-T9S-R17E  
Duchesne County, Utah

*42-013-31467*

**CONFIDENTIAL**

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

## TABLE OF CONTENTS

	<u>Page</u>
Location Plat	1
Data Sheet	2
Formation Tops	3
Compensated Neutron- Litho-Density Log	4
Dual Laterologs	5-6
Penetration Chart	7
Bit Record	8
Deviation Surveys	8
Well History	9
Sample Description	10-11
Penetration Log	In Pocket

EXHIBIT "K"

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

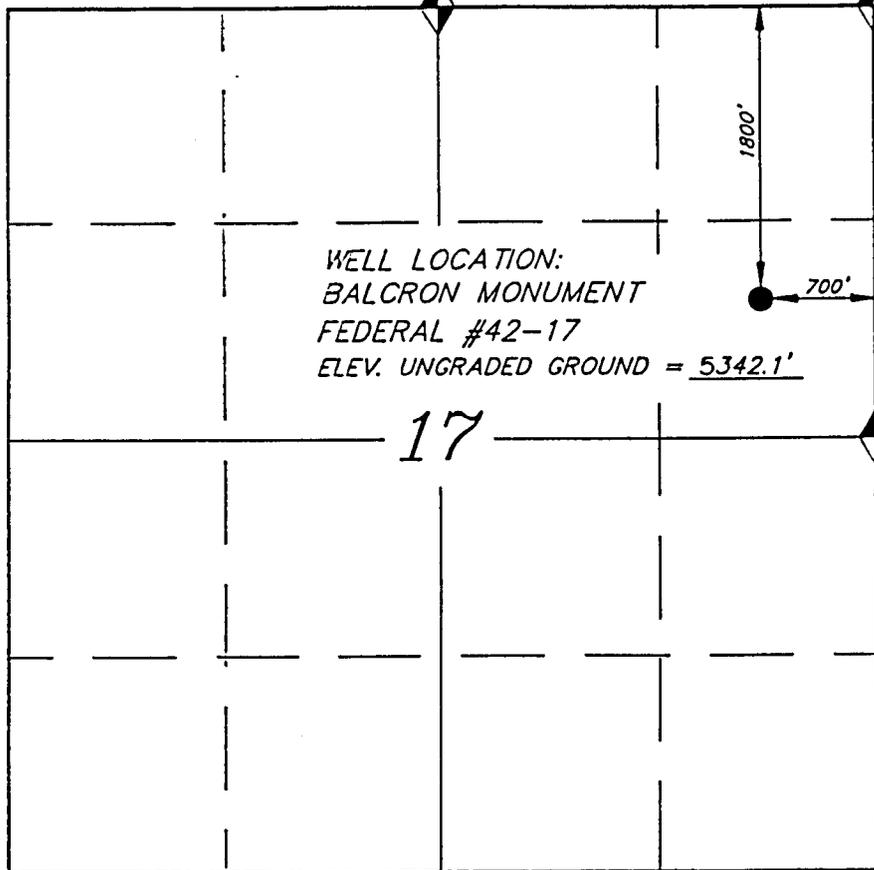
**EQUITABLE RESOURCES ENERGY CO.**

S89°55'W - 40.00 (G.L.O.)

S89°55'W (G.L.O.) Basis of Bearings  
2652.06' - Measured

WELL LOCATION, BALCRON MONUMENT FEDERAL #42-17, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 17, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

N0°03'W (G.L.O.)



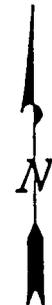
N0°07'59"W - 2641.82' (Meas.)

N0°03'W (G.L.O.)

S89°52'W - 80.02 (G.L.O.)

WELL LOCATION:  
BALCRON MONUMENT  
FEDERAL #42-17  
ELEV. UNGRADED GROUND = 5342.1'

17



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES, REACTUAL SURVEYING MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 189377

*Stacy W. Stewart*  
**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



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. (DATED 1910)

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

SCALE: 1" = 1000'

SURVEYED BY: G.S. P.II.

DATE: 8-3-94

WEATHER: HOT

NOTES:

FILE #42-17

DATA SHEET

OPERATOR: Balcron Oil Company

WELL NAME: Monument Federal No. 42-17 UTU 72106

LOCATION: SENE (1800' fnl-700' fel) Section 17, Township 9 South, Range 17 East, Duchesne County, Utah.

AREA: Monument Butte Field

ELEVATIONS: Ground 5342.1'; Graded Ground 5341'; KB 5351'

SPUDDED: November 19, 1994 @ 3:00 PM

DRILLED OUT: November 20, 1994 @ 9:00 PM

REACHED T.D.: November 28, 1994 @ 12:30 AM

RIG RELEASE: November 29, 1994 @ 4:30 AM

TOTAL DEPTH: 5697' Driller; 5699' Logger

STATUS: Oil Well

HOLE SIZE: 12¼" Surface-374'; 7 7/8" 374-5699'

DRILLING FLUID: Air & Foam Surface-3795'; Kcl water 3795-5699'.

SURFACE CSG.: Ran 9 jts (361.80') 8 5/8", 24 lb, J-55, 8 rd STSC to 359.80' KB. Cemented w/220 sxs Class G, 2% CaCl<sub>2</sub>, ¼ lb per sx Cello Seal. Plugged down 7:30 AM, 11/20/94.

PRODUCTION CSG. Ran 131 jts (5696.50') 5½", 15½ lb, J-55, 8rd casing to 5693.5' KB. Cemented w/230 sxs Super "G", 47 lbs/sx "G", 20 lbs/sx Poz A, 17 lbs/sx CSE, 3% Gel, 2 lbs/sx Hi-Seal-2, ¼ lb/sx Cello-Seal, tailed in w/270 sxs 50/50 Poz, 2% Gel, ¼ lb/sx Cello-Seal, 2 lbs/sx Hi-Seal-2. Plugged down @ 12:40 AM, 11/29/94.

DSTs: None CORES: None

LOGGING: Schlumberger Engineer: Tracy Vernal, Utah  
 1. DLL w/Gr & Cal BSC-T.D.  
 2. LTD-CNL w/Gr & Cal 3500-T.D.

MUD LOGGERS: Monaco Loggers: Deardorff, Butler Denver, CO

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

SUPERVISION: Odell Williams Casper, WY

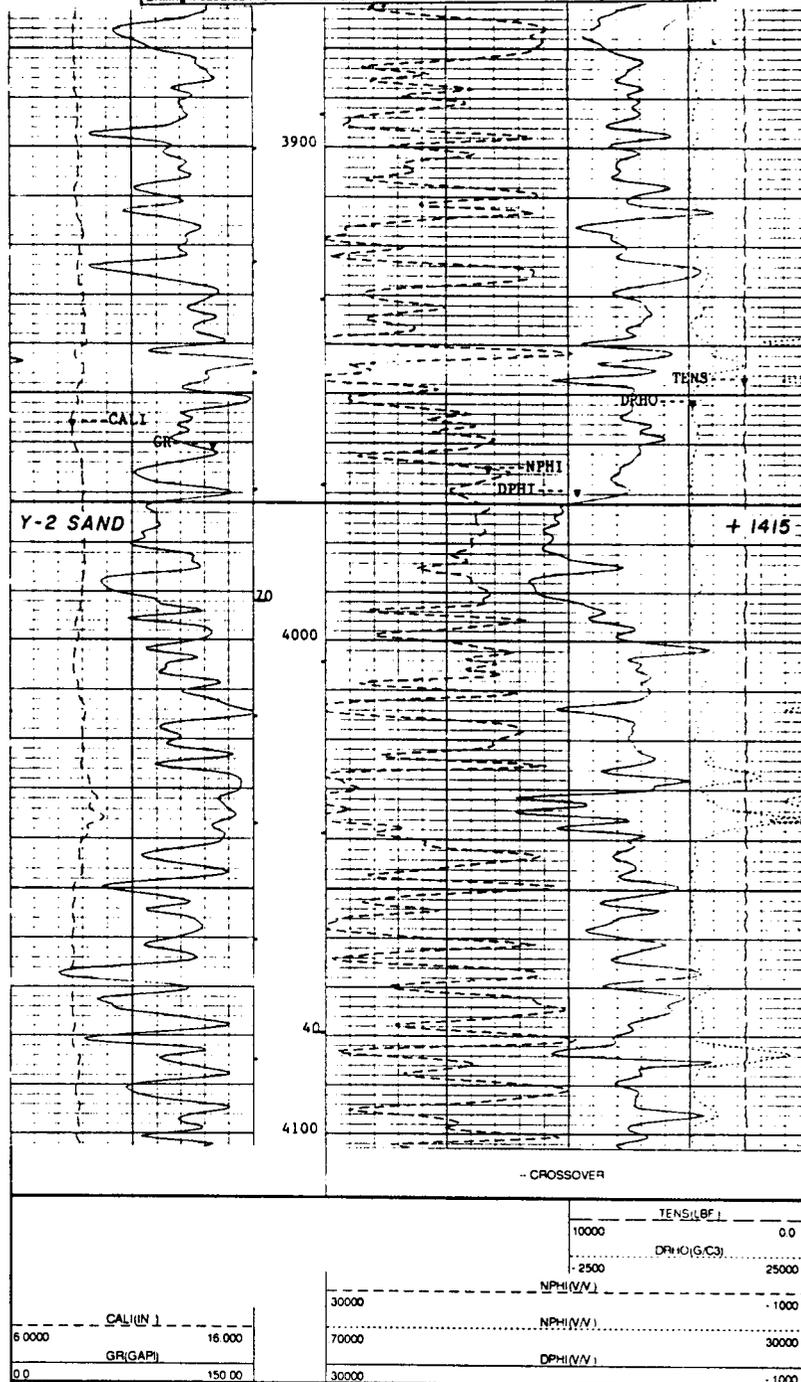
GEOLOGIST: Durwood Johnson Billings, MT

FORMATION TOPS

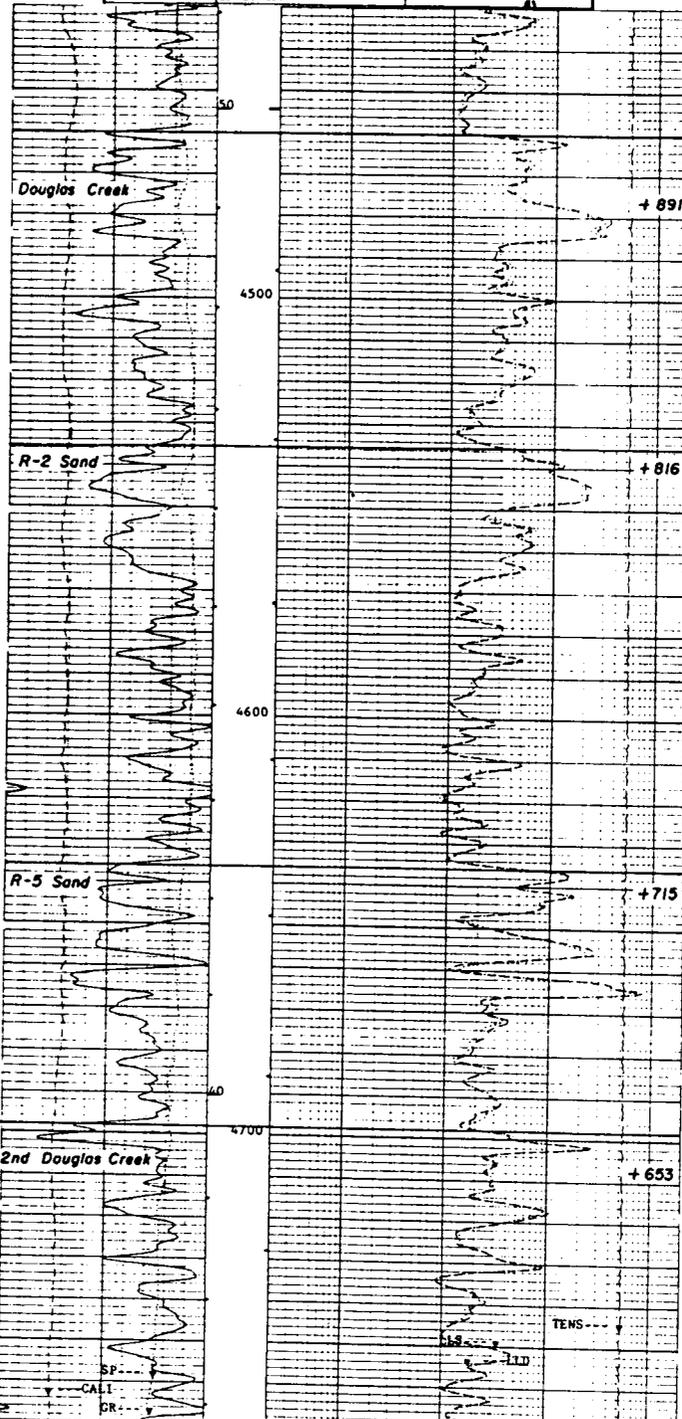
<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>* Reference Well</u>
TERTIARY			
Uinta	Surface		
Green River	1388	+3963	28' High
Horse Bench Sand	2082	+3269	41' High
Stray Sand	2645	+2706	
2nd Garden Gulch	3686	+1665	33' High
Y-2 Sand	3972	+1415	
Yellow Marker	4302	+1049	39' High
Douglas Creek	4460	+ 891	42' High
R-2 Sand	4535	+ 816	
R-5 Sand	4636	+ 715	
2nd Douglas Creek	4698	+ 653	40' High
Green Marker	4836	+ 515	39' High
Black Shale Facies	5079	+ 272	59' High
Carbonate Marker	5308	+ 43	39' High
B-1 Sand	5347	+ 24	
TOTAL DEPTH:			
Driller:	5697		
Logger:	5699		

\* Reference Well:  
 Balcron - Monument Federal No. 41-17  
 NWNE Sec. 17-T9S-R17E  
 Duchesne County, Utah

<b>Schlumberger</b>		<b>SIMULTANEOUS COMPENSATED NEUTRON- LITHO-DENSITY</b>			
COMPANY		BALCRON OIL COMPANY			
WELL		MONUMENT FEDERAL #42-17			
FIELD		MONUMENT BUTTE			
COUNTY		DUCHESNE	STATE		UTAH
LOCATION		1800 FNL & 700 FEL			Other Services: DLL CML/DT
API SERIAL NO.		SECT.	TWP.	RANGE	
N/A		17	9 S	17 E	
Permanent Datum	GROUND LEVEL	Elev.	3341.0 F		Elev.: K.B.5351.0 F
Log Measured From	KELLY BUSHING	100 F	above Perm. Datum		D.F. 5350.0 F
Drilling Measured From	KELLY BUSHING				G.L. 5341.0 F

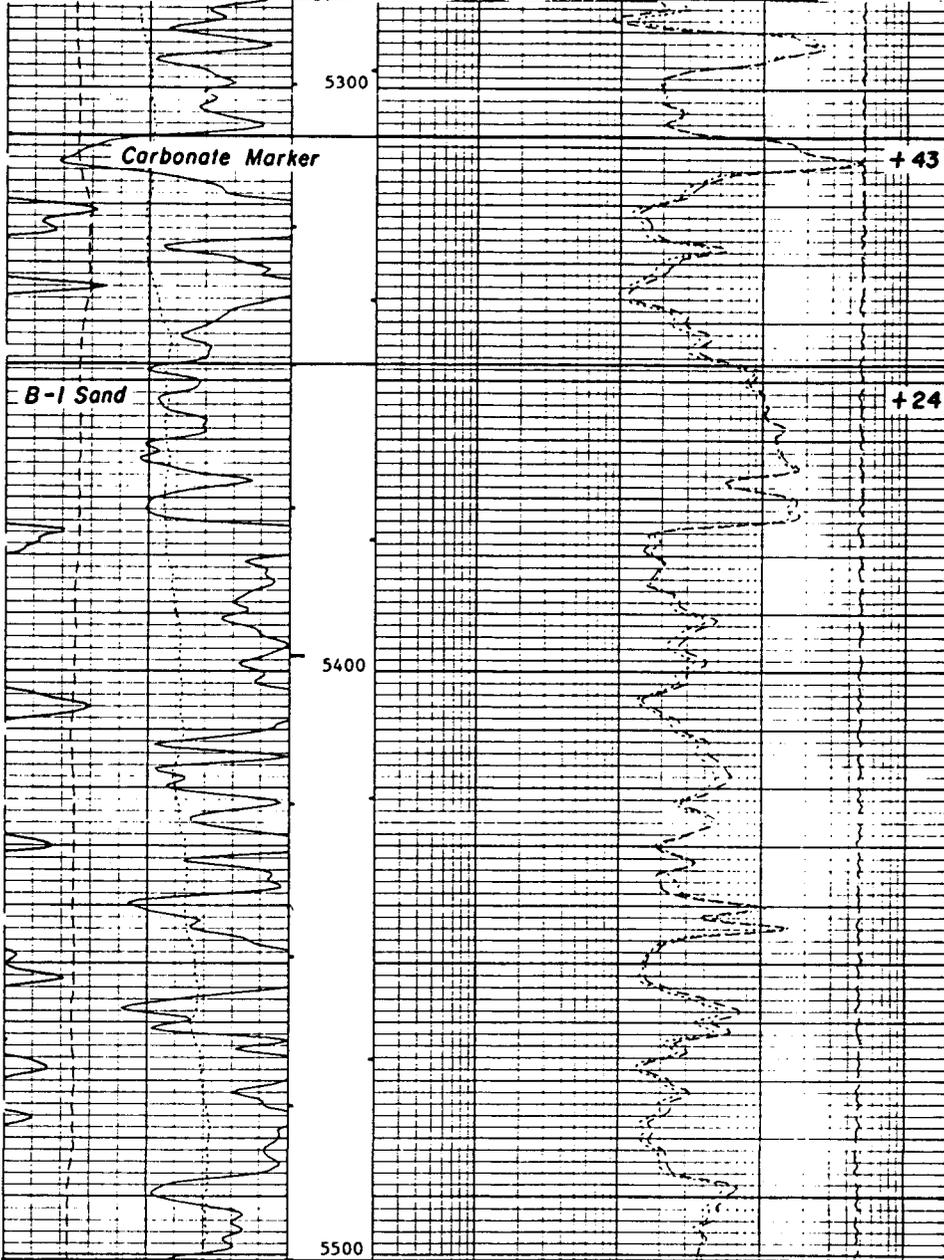


COMPANY BALCRON OIL COMPANY  
 WELL MONUMENT FEDERAL #42-17  
 FIELD MONUMENT BUTTE  
 COUNTY DUCHESNE STATE UTAH  
 1800' F.M. & 700' F.E.L.  
 BE:NE  
 API SERIAL NO N/A SECT. 17 TWP. 9 S RANGE 17 E  
 Permanent Datum GROUND LEVEL Elev. 5341.0 F  
 Log Measured From KELLY BUSHING 10.0 F above Perm. Datum Elev. K.B. 5351.0 F  
 Drilling Measured From KELLY BUSHING Elev. D.F. 5350.0 F  
 Date 28-NOV-1984 Elev. Q.L. 5341.0 F



SP (MV)	0.0	US(OHMM)	2000.0	20000	TENS (MV)	0.0
CAL (IN)	18.000	LLD (OHMM)	2000.0	20000	US(OHMM)	2000.0
GR (GAPI)	150.00					

COMPANY		BALCRON OIL COMPANY			
WELL		MONUMENT FEDERAL #42-17			
FIELD		MONUMENT BUTTE			
COUNTY		DUCHESNE		STATE UTAH	
LOCATION		1800' FNL & 700' FEL			Other Services: DLL CNL/LDT
API SERIAL NO.		SECT.	TWP.	RANGE	
N/A		17	9 S	17 E	
Permanent Datum		GROUND LEVEL	Elev.	5341.0 F	
Log Measured From		KELLY BUSHING	10.0 F	above Perm. Datum	
Drilling Measured From		KELLY BUSHING		Elev.: K.B.5351.0 F D.F.5350.0 F G.L.5341.0 F	
Date		28-NOV-1994			

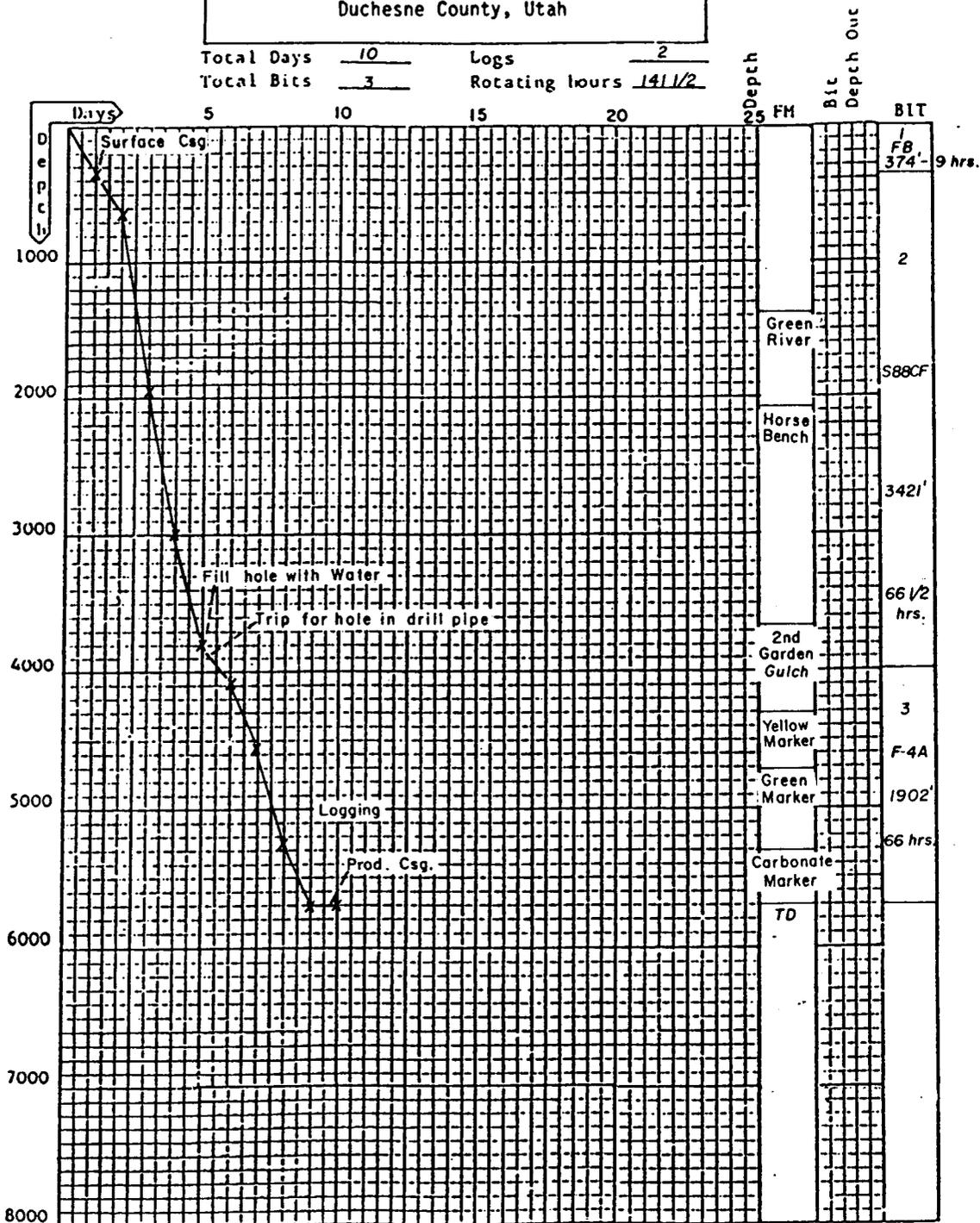


SP(MV)		LLS(OHMM)		TENS(LBF)	
100.0	0.0	2000.0	20000	10000	0.0
CALI(IN)		LLD(OHMM)		LLS(OHMM)	
6.0000	16.000	2000.0	20000	20000	2000.0
GR(GAP)		LLD(OHMM)			
0.0	150.00	2000.0			2000.0

PENETRATION CHART

Balcron Monument Federal No. 42-17 UTU 72106  
 SENE Sec. 17-T9S-R17E  
 Duchesne County, Utah

Total Days 10 Logs 2  
 Total Bits 3 Rotating hours 141 1/2





## WELL HISTORY

<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>Operation</u>	<u>Daily Activity (Previous 24 hrs.6AM-6AM)</u>
	1994			
1	11-20	374	Run Csg.	Move rig & rig up. Drill 17½" hole to 13' & set 13 5/8" conductor. Drill rat hole. Spud 12¼" surface hole @ 3:00 PM, 11-19-94. Drill from 13-374'. Circulate, trip out. Run 8 5/8" csg. Made 361' in 10 3/4 hrs.
2	11-21	618	Drilling	Cement w/220 sxs. Plug down @ 7:30 AM, 11-20-94. WOC. Cut off casing & weld on head. Nipple up. Test BOPs to 2000 psi & casing to 1500 psi. Pick up DCs. Trip in Bit 2 & pick up DCs. Drill cement, float & shoe. Drill out from under surface @ 9:00 PM, 11-20-94. Drill & survey from 374-618'. Made 244' in 4 hrs. Repair motor - 3 hrs.
3	11-22	1966	Drilling	Drill & survey from 618-1966'. Made 1348' in 22½ hrs.
4	11/23	2996	Drilling	Drill & survey from 1966-2996'. Made 1024' in 22¼ hrs.
5	11/24	3795	Tripping	Drill & survey from 2996-3795'. Made 799' in 17½ hrs. Circulate hole. Load w/Kcl water. Circulate. Trip for Bit 3.
6	11/25	4089	Drilling	Complete bit trip. Drill from 3795-3863'. Lost 600 lbs pump pressure. Work on pump. Trip for hole in drill pipe. Work on pump. Trip in. Work on pump. Drill from 3863-4089'. Made 294' in 10½ hrs.
7	11/26	4552	Drilling	Drill from 4089-4112. Trip for plugged bit. Lay down 2 jts, pin & box washed. Trip in. Drill & survey from 4112-4552'. Made 463' in 16 hrs.
8	11/27	5244	Drilling	Drill & survey from 4552-5244'. Made 692' in 22½ hrs.
9	11/28	4697	Tripping	Drill & survey from 5244-5697'. Reached T.D. @ 12:30 AM, 11-28-94. Made 453' in 17 hrs. Circulate for logs. Trip out.
10	11/29	4697		Rig up loggers. Logging - 4¼ hrs. Trip in. Trip out laying down drill pipe & collars. Rig up & run 131 joints 5½" casing. Cement w/500 sxs. Plug down @ 12:45 AM, 11-29-94. Rig released @ 4:30 AM.

Balclutha Monument Federal No. 42-17  
SENE Sec. 17-T9S-R17E  
Duchesne County, Utah

SAMPLE DESCRIPTION

2550-2600 Shale, medium gray-dark gray, chunky, silty and sandy; grades to dolomitic Marl; trace spotty brownish-black stain, no fluorescence, no cut; trace light yellow-yellow fluorescence, good bright yellow cut.

STRAY SAND 2645 (+2706)

2600-2650 Shale, reddish brown, tan-light brown, grades to Marl; streaks Shale, as above; trace Sandstone, very fine grained, light gray, gray-tan, sub-angular to sub-rounded, loose quartz grains, questionable spotty brownish black stain, some dull yellow-gold fluorescence, fair light yellow cut - probably from Oil Shale.

2650-2700 Sandstone, very fine-fine grained, light gray, tan, sub-angular to sub-rounded, well sorted loose quartz grains; questionable faint tan stain, faint dull yellow fluorescence, instant fair whitish yellow cut - its difficult to remove all the small Oil Shale chips; however this appears to be a valid show - whether its cavings or not we will determine from log.

2700-3960 Shale, dark gray, black, gray-brown, brown, chunky, blocky; no fluorescence, faint slow light yellow cut; Shale, reddish brown, tan, blocky, very dolomitic in part; grades to Marl - Oil Shale.

Y-2 SAND 3972 (+1415)

3960-3980 Sandstone, very fine grained, tan, light brown, well sorted, sub-angular, contact silica cement, appears tight, possible poor porosity; 2% even tan and brown stain, few dark grayish brown specks, light yellow-yellow fluorescence, fair to good whitish yellow cut; abundant Shale.

3980-4000 Sandstone, very fine grained, occasionally fine grained, tan, brown, fair-good sorting, sub-angular, well cemented with contact silica cement, trace poor porosity; even brown stain, fluorescence and cut, as above. (15% of sample)

DOUGLAS CREEK 4460 (891)

4478-4482 Sandstone, very fine grained, tan, light grayish tan, well sorted, appears fairly tight, possible poor porosity; even light tan stain, bright light yellow

fluorescence, fair instant light whitish yellow persistent cut.

R-2 SAND 4535 (+816)

4538-4550 Sandstone, very fine grained, occasionally fine grained, tan, good sorting, sub-angular to sub-rounded, fairly tight, contact silica cement, streaks poor to fair porosity; tan to light brown even stain, light yellow to yellow fluorescence with greenish cast, fair instant light yellow persistent cut.

R-5 SAND 4636 (+715)

4620-4640 Sandstone, very fine grained, tan, light gray, good sorting, sub-angular, contact silica cement, appears fairly tight, streaks poor porosity, trace fair porosity, trace tan and light brown even stain, dull yellow fluorescence with greenish cast, fairly rapid light yellow persistent cut.

B-1 SAND 5347 (+24)

5340-5360 Sandstone, very fine-fine grained, grayish white, occasionally tan, poor to fair sorting, sub-rounded to sub-angular, calcite and silica cement, appears fairly tight, streaks poor porosity; spotty dark gray, black with some even brown, dark gray-brown stain, bluish white fluorescence, dissipates to dull yellow fluorescence with greenish cast, slow whitish yellow to bluish white cut; abundant cavings.

5360-5380 Sandstone, as above; stain, fluorescence and cut, as above; abundant cavings.



Underground Injection Control (UIC)  
Permit Application  
Supplement Attachment To Form Four

Equitable Resources Energy Company, Western Region  
Beluga Unit Waterflood  
Duchesne County, Utah

## Table Of Contents

### List of Figures

---

Figure #1	Topographic Map - Area of Review
Figure #2	Water Injection Facilities Map
Figure #3	Produced Water Gathering Facilities Map
Figure #4	Surface And Lease Ownership
Figure #5	Produced Water Analysis Report
Figure #6	Johnson Water Supply Analysis Report Without Chemical
Figure #7	Johnson Water Supply Analysis Report With Chemical
Figure #8	Pressure Build Up Test

### List of Exhibits

---

Exhibit-A	Area of Review Well List
Exhibit-B	Well Data Sheets and Scout Cards
Exhibit-C	Individual Sand Isopach Maps
Exhibit-D	Well Perforation Intervals
Exhibit-E	Fracture Pressure Data
Exhibit-F	Packer Fluid Recommendation
Exhibit-G	Core Analysis
Exhibit-H	Proposed Injection Well Surface Equipment
Exhibit-I	Proposed Injection Well Completion Diagrams
Exhibit-J	Plugging and Abandonment Diagrams
Exhibit-K	Evidence of Financial Ability
Exhibit-L	Existing EPA Permits Held by Equitable Resources Energy Company

**Underground Injection Control (UIC)  
Permit Application  
Supplement Attachment To Form Four**

Company: Equitable Resources Energy Company (EREC)  
Project: Beluga Unit Waterflood  
Monument Butte Field  
Section 7,8,16,17,& 18, T9S, R17E  
Duchesne County, Utah

**A) AREA OF REVIEW METHODS.**

- 1) The area of review is a fixed radius of 1/4 mile from the proposed Unit boundary and/or proposed injection wells. This area of review was selected to ensure that any future development in this area would be covered.

**B) MAPS OF WELLS/AREA & AREA OF REVIEW.**

- 1) Figure #1 - Topographic Map showing the area of review. A 1/4 mile radius from the proposed injection wells is outlined with all wells in the prescribed area located and identified.

Refer to Exhibit-A for a list of wells within the area of review.

- 2) Figure #2 - Proposed Water Injection Facilities Map.
- 3) Figure #3 - Proposed Produced Water Gathering Facilities Map.
- 4) Figure #4 - Surface and lease ownership map.  
All surface within the area of review is owned by the Bureau of Land Management except for Section 16, T9S, R17E which is owned by the State of Utah.

**C) CORRECTIVE ACTION PLAN AND WELL DATA.**

- 1) A tabulation of well data is presented for each well within the area of review, refer to Exhibit-B, well data sheets & scout cards. Note that the proposed area of review for the Beluga Unit overlaps with the approved area of review for the Jonah Unit (Operated by Equitable Resources Energy Company) and Pleasant Valley Unit (Operated by Enserch Exploration Inc.). Please refer to the approved UIC permits for details on the wells in these areas.

Jonah Unit	Area Permit Number UT2642
Pleasant Valley Unit	Area Permit Number UT2771

- 2) It is proposed to inject water into multiple sands of the Green River Formation using injection packer assemblies which will be landed on tubing. The annulus of the proposed injection wells will be filled with a protective corrosion inhibitor and the backside pressure will be monitored daily. If abnormal backside pressure is detected the well will be pulled to determine the source of the leak.

**D) MAPS AND CROSS SECTIONS OF USDW.**

-Does not apply to Class Two injection wells.

**E) NAME AND DEPTH OF USDW.**

- 1) There are no underground sources of drinking water or water wells in

the area of review. No fresh water sources will be affected by these water injection operations. The top of the saline water bearing horizon in this area is 4800 feet to 5000 feet mean sea level which falls in the Uintah Formation. This information was provided by Gil Hunt with the Division of Oil, Gas, & Mining, State of Utah. The average MSL elevation for the area of review is 5350 feet which basically puts the top of the saline water horizon at surface to approximately 500 feet. There have been no fresh water bearing zones encountered in this area of review.

**F) MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA.**

- Does not apply to Class Two injection wells.

**G) GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES.**

1) The flooding objectives of the proposed Beluga Unit waterflood are lenticular channel sandstones which are distributed throughout the Douglas Creek Member of the Green River Formation. These sands occur over 1550 feet of vertical section at an average depth range of 3750 feet to 5300 feet. They exhibit a fining upward grain size, typical of fluvial channel deposits, with an average thickness of 15 feet. Due to the multiple potential waterflood horizons in the Douglas Creek Member, Equitable Resources Energy Company is requesting approval to inject water into any or all of the occurring sands within this interval. Refer to Exhibit-C for individual sand isopach maps.

2) For specific injection intervals please refer to the perforation intervals of each proposed injection well outlined in Exhibit-D and the welldata sheets and wellbore diagrams provided in Exhibit-B.

3) Estimated Formation Tops: See Type Log for the Paiute Federal #43-8

Uintah Formation	Surface to 1450 ft.
Green River Formation	1450 ft to 5400 ft.
Douglas Creek Member	4560 ft to 5400 ft.
Douglas/Wasatch Transition	5400 ft to 5950 ft.
Wasatch Formation	5950 ft.

Note: The Douglas Creek interval is shown as a member within the Green River Formation.

4) The confining zones for the proposed injection intervals consists of mixed continental and lacustrine shales. The Douglas Creek Member is primarily interbedded sand stringers and shale which will act as isolation barriers for the waterflood. The top confining zone is the shales of the Green River Formation and the bottom confining zone is the shales of the Wasatch Formation. Refer to the Type Log for the Beluga Unit area which has been submitted with this permit.

5) The injection interval water quality is an analysis of the produced water from the Paiute Federal #11-17. This sample represents an average of the produced water from the Beluga Unit wells. The analysis shows 11,800 mg/l chloride, 9,471 mg/l sodium, and 25,085 mg/l TDS. Refer to Figure-5 for the produced water analysis report.

6) The average fracture gradient for the Douglas Creek Member sands is 0.876627 psig/ft. This is an average of all the frac gradients calculated from jobs performed on all zones in the Beluga Unit. Refer to Exhibit-E for pressure and gradient data.

7) Calculations for the submitted frac gradients are based on the initial shut in pressures obtained from the frac jobs performed on the Beluga Unit wells. Fracture treatment records show that the frac sand was

displaced with 2% KCl water. The hydrostatic gradient for the 2% KCl water was calculated at 0.43836 psig/ft. This gradient was used to calculate the hydrostatic head of the KCl water and was added to the ISIP. The fracture gradient was then calculated by dividing the sum of these pressures by the average of the perforation depth.

$$\text{Frac Gradient} = (\text{ISIP} + 0.43836 \text{ psig/ft}(\text{Depth}))/\text{Depth}$$

- 8) Cement Bond Logs for the proposed water injection wells and a Beluga Unit Type Log have been enclosed. Cement bond logs for the newly drilled wells will be submitted to the EPA as soon as available.
- 9) The proposed water injection wells were drilled with a rotary rig using a conventional water based mud and/or an air mist to an average total depth of 5800 feet. Production casing was run through the productive sands of the Green River Formation and cemented to a point well above the upper most sand. The wells were then perforated, hydraulically fractured, and put on production. Refer to the welldata sheets presented in Exhibit-B for specific completion details of each well.

#### H) OPERATING DATA.

- 1) Average water injection volume of 250 STBWD. Maximum water injection volume of 500 STBWD.
- 2) EREC is requesting a maximum injection pressure of 1856 psig based on fracture pressure gradient calculations until step rate test studies can be performed. The average fracture gradient for the Douglas Creek Member sands is calculated at 0.876627 psig/ft. This is an average of all the frac gradients calculated from jobs performed on all zones in the Beluga Unit. However, due to the difference in depth and fracture gradients between the Y-Zones and R-Zones EREC is requesting a maximum injection pressure of 1856 psig based on the fracture gradient and depth of the Y-Zones. The average fracture gradient for the Y-Zones only is calculated at 0.898974 psig/ft. Using the average depth of the shallowest Y-Zone perforations of 3982 feet, the formation parting pressure is calculated at 1856 psig for the Y-Zones. The average fracture gradient for the remaining zones (Excluding Y-Zones) is calculated at 0.866360 psig/ft. Using the average depth of the shallowest perforations for the remaining zones of 4553 feet, the formation parting pressure is calculated at 1973 psig. Thus, by using the lesser of the two calculated formation parting pressures of 1856 psig for a maximum injection pressure, it is reasonable to assume that the formation will not propagate a fracture during injection operations.
- 3) The annulus of the proposed injection wells will be filled with a protective corrosion inhibitor (Cortron R-2383) supplied by Champion Technologies, Inc. The recommended chemical will be mixed with fresh water at a concentration of two percent by volume. A diesel blanket of approximately one barrel will be placed on the backside to prevent the valves from freezing. Refer to Exhibit-F for the recommendation of packer fluid.
- 4) The injection water for the Beluga Unit waterflood will be fresh potable water supplied by Johnson Water Association out of Myton, Utah. This water will be piped from the Johnson water facility approximately 7.5 miles to the Jonah Unit through a six inch fiberglass water supply line which is owned and operated by EREC. It is proposed to extend this line approximately two miles to the Beluga Unit waterflood facilities. The source for this water supply is the Starvation Reservoir which is owned by the Bureau of Reclamation, Central Utah Project. The water is gathered from the Strawberry and Duchesne Rivers into the reservoir just west of the city of Duchesne, Utah and sold accordingly. The analysis for this

water shows 1200 mg/l chloride and 2548 mg/l TDS with a specific gravity of 1.005. Chemicals will be added to the water to reduce oxygen and to prevent corrosion and scaling. The proposed chemicals will be supplied by Champion Technologies out of Vernal, Utah. Refer to Figure-6 and Figure-7 for the analysis of the Johnson water supply.

- 5) As the waterflood progresses and water breakthrough occurs, it is proposed to inject the produced water back into the reservoir. When it is time to inject this produced water the EPA will be notified via letter and a water analysis will be submitted.

**I) FORMATION TESTING PROGRAM.**

- 1) The porosity of the injection sands averages approximately 12% with a permeability range from 0.1 to 16 millidarcy. The porosity is determined using compensated neutron/density porosity logs and core analysis. The core analysis is from the Allen Federal #34-5, Paiute Federal #24-8, and the Paiute Federal #34-8. The Allen Federal #34-5 well is located outside the Beluga Unit waterflood boundary and the other two are within the unit. These wells represent similar conditions for depositional environment, and reservoir characteristics for the Beluga Unit. Refer to Exhibit-G for the core analysis.
- 2) A mechanical integrity test will be conducted on all proposed water injection wells prior to injection. The casing will be integrity tested by setting a tubing conveyed packer just above the perforations and pressuring the annulus to 1000 psig. The pressure will be held for a one hour test. The results of the mechanical integrity tests will be submitted to the EPA prior to water injection.
- 3) Fracture treating rates, average and maximum pressure, ISIP, and frac gradients have been tabulated for the Beluga Unit and are presented in Exhibit-E and on the welldata sheets in Exhibit-B.
- 4) The present reservoir pressure through out the Beluga Unit ranges from a normal pressured reservoir at 2100 psig to depleted conditions at 900 psig. Refer to Figure-8 for a recent pressure build up test performed on the Monument Federal #42-17 in the R2 zone.
- 5) A step rate test will be performed on at least one proposed injection well to determine the formation parting pressure and to more accurately define the maximum allowable injection pressure. It is proposed to perform individual step rate tests on the Y-Zones and R-Zones to better understand the differences in formation parting pressures and to assure that the maximum requested injection pressure does not propagate fractures in any zone during the injection operations.

**J) STIMULATION PROGRAM.**

- Refer to individual well data sheets for well stimulation and fracture data.

**K) INJECTION PROCEDURES.**

- 1) The injection procedure for the Beluga Unit waterflood will be as follows:
  - Water from the Johnson Water Association and/or produced water will be piped to the proposed water injection plant located at the Paiute Federal #24-8 well location.
  - The water will be filtered with 50 and 10 micron filters before entering the water storage tanks at the water injection plant.
  - Chemical will be added for oxygen, corrosion, and scaling.
  - A triplex injection pump will be used to pressurize the water to approximately 2300 psig plant pressure.
  - The pressurized water will travel through an injection manifold and

- out to the well feed lines.
- Each feed line will supply one injection well.
- Each injection well will be equipped with a flowmeter, choke valve check valve, water filter, tubing and casing annulus pressure gauge.
- The water will be filtered with 5 micron filters before entering the tubing.
- The water will pass down the tubing, past the packer to the perforations.
- Tracer profiles will be run approximately every 6 months which will indicate the percentage of water exiting each set of perforations.

- 2) The injection facility will be equipped with pressure monitoring and safety shut-down devices to protect against high or low pressure failures. It will also have tank level, oil, temperature, and other safety shut-down devices.

**L) CONSTRUCTION PROCEDURES.**

- 1) It is proposed to drill or re-enter the following wells:

Drill the Monument Federal #23-17B	NE SW Sec.17, T9S, R17E
Re-enter the Monument Butte Fed. #1-8	NW SW Sec.8 , T9S, R17E
Re-enter the State NGC #11-16	NW NW Sec.16, T9S, R17E

- 2) The Monument Federal #23-17B will be drilled and completed similar to the Monument Federal #13-16B, #22-16B, #23-16B, and #33-17B wells. The well will be completed as an oil production well.
- 3) The Monument Butte Federal #1-8 and State NGC #11-16 will be re-entered using a workover rig and power swivel. The wells will be cleaned out to plugback TD and recompleted in additional zones. Refer to the wellbore diagrams presented in Exhibit-B and the proposed injection well diagrams presented in Exhibit-H.

**M) CONSTRUCTION DETAILS.**

- 1) Refer to Exhibit-I for the proposed well surface injection equipment.
- 2) Refer to Exhibit-B for well data sheets, wellbore diagrams, and scout cards for all wells in the proposed area of review. Refer to Exhibit-H for proposed injection well diagrams. Refer to approved UIC area permits for the Jonah Unit (UT2642) and Pleasant Valley Unit (UT2771) for additional information on wells in the overlapping area of reviews.
- 3) A 25'x 30' water injection plant will be constructed on the location of the Paiute Federal #24-8 proposed water injection well. The water injection plant will be equipped with a produced water gathering and filtering system to reinject produced water as required. High pressure steel water injection lines will be laid and buried from the injection plant to each of the proposed water injection wells.
- 4) The injection wells will be equipped with 2 7/8 inch tubing and an Arrow Set-1 packer set in tension to isolate the injection zones. The packer will be set within 100 feet of the top perforation and will be tested for mechanical integrity. Refer to Exhibit-H for proposed packer setting depths of each water injection well.
- 5) Results of mechanical integrity tests and step rate tests will be submitted to the EPA along with well rework forms for each proposed water injection well prior to injection.

**N) CHANGES IN INJECTION FLUID.**

- 1) As the waterflood progresses and water breakthrough occurs, it is proposed to inject the produced water back into the formation. When

it is time to inject this produced water the EPA will be notified via letter and a water analysis will be submitted. At this time it is not feasible to make estimates as to the volume or quality of the produced water.

**O) PLANS FOR WELL FAILURES.**

- 1) All injection wells and related facilities will be monitored daily for integrity. The backside pressure will be checked daily and if abnormal backside pressure is detected the well will be investigated to determine the source of the leak. If a casing leak is found the leak will be isolated and squeezed with cement. The casing will be checked for mechanical integrity to ensure that the squeeze job repaired the leak. If a leak cannot be repaired the well will either be returned to production and pumped off or plugged and abandoned according to the procedure outlined in Section-Q.

**P) MONITORING PROGRAM.**

- 1) The waterflood will be monitored through the existing oil production wells. Each production well will be monitored for waterflood response and records of daily oil and water production will be kept. Fluid levels will be shot when possible to monitor reservoir pressure and flood advancement. Refer to Figure-1 for the location of these oil production wells.

**Q) PLUGGING AND ABANDONMENT PLAN.**

- 1) The P&A plan proposed consists of running into the well with tubing and washing the well out to TD to ensure that the perforations are clear. If the well is not dead, mud will be mixed on location to a sufficient weight for killing the well. The mud will be circulated down the tubing and into the casing until the water has been displaced and/or the well has been killed. The well will then have a balanced cement plug using approximately 260 sacks of class-G cement placed over the Douglas Creek Member of the Green River Formation (i.e. over the perforation interval) from TD to a point at least 300 feet above the uppermost perforation. The top of the first cement plug will be at a depth of approximately 3800 feet. The tubing will be pulled out of the hole and the production casing will be perforated for two feet with four shots per foot at a point 100 feet below the surface casing shoe. Circulation will be established to surface, down the casing & up the annulus via the perforations. Cement will be circulated to fill the production casing and the annulus from the perforations to the surface using 100 sx of class-G cement. The top of the second cement plug will be at the surface and the bottom will be 100 feet below the surface casing shoe. A permanent marker will be set identifying the well name, lease, location, elevation, and plugging date.
- 2) Refer to Exhibit-J for plugging and abandonment plan and diagrams.

**R) NECESSARY RESOURCES.**

- 1) Refer to Exhibit-K for evidence of financial ability to plug and abandon the proposed injection wells.

**S) AQUIFER EXEMPTION.**

-No aquifer exemption is requested.

**T) EXISTING EPA PERMITS.**

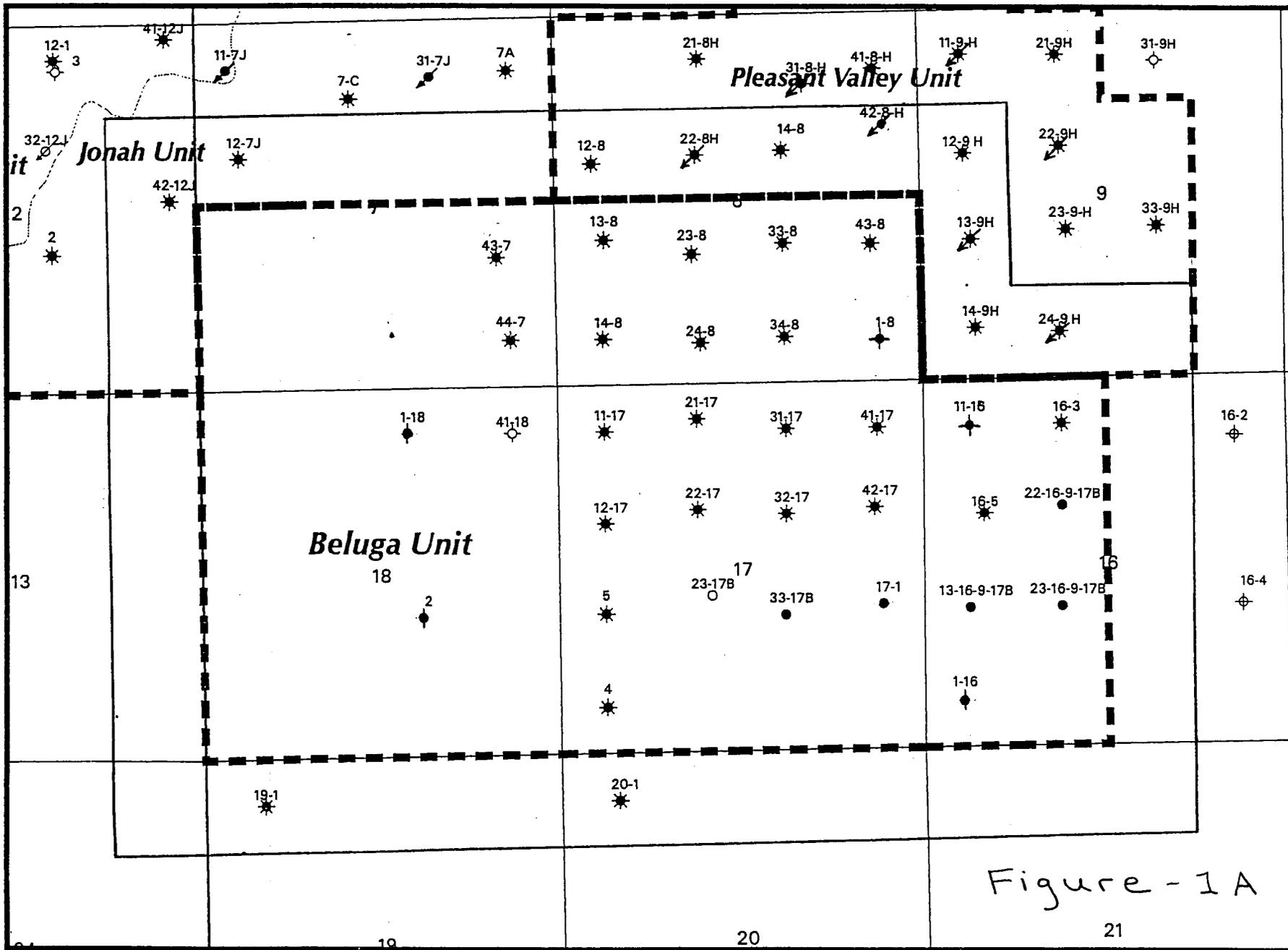
- 1) Refer to Exhibit-L for existing EPA permits held by Equitable Resources Energy Company, Western Region.

**U) DESCRIPTION OF BUSINESS.**

- 1) Equitable Resources Energy Company is an independent oil and gas production company located in Billings, Montana. EREC employs engineers, geologists, and a field staff with the knowledge and technical experience required to maintain and operate the proposed facilities.

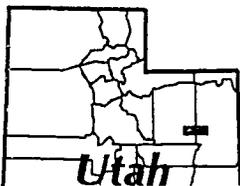
R16E

R17E



T9S

Figure - 1 A



----- Unit Boundaries  
 \_\_\_\_\_ Area Of Review



Equitable Resources Energy Company

Beluga Unit

Figure 1

Duchesne County, Utah

Well spot map/Area of review

8

OPERATOR EQUITABLE RESOURCES ENERGY

OPERATOR ACCT. NO. N9890

ENTITY ACTION FORM - FORM 6

ADDRESS BALCRON OIL DIVISION

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

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



# EQUITABLE RESOURCES ENERGY COMPANY

## BALCRON OIL DIVISION

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

**★FAX TRANSMITTAL★**

**FAX NO.: (406) 245-1365**

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

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

**TOTAL # OF PAGES 2**  
(including this cover sheet)

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

**TELECOMMUNICATOR:** mmc

**SPECIAL INSTRUCTIONS:**

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

Thanks for your help!!

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

P.2/2

✓ A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (Sl)	Green River	ML-3453	43-013-15582	660' FSL, 560' FWL		Beluga
✓ Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31388	660' FSL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3583-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31485	1660' FNL, 1980' FEL	Vernal	Beluga
✓ 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. #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. #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. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
✓ D. Duncan State #16-6	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 885' FWL		Beluga
✓ DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (Sl)	Green River	U-44430	43-013-30689	2059' FSL, 0584' FEL	Vernal	Beluga
✓ Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	OSI	Green River	U-3563	43-013-30332	636' FNL, 2186' FEL	Vernal	Beluga
✓ Manus Federal #23-8	Monument Butte	NE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31196	1847' FSL, 1947' FWL	Vernal	Beluga
✓ Micon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3583-A	43-013-30666	670' FSL, 683' FEL	Vernal	Beluga
✓ Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	PND	Green River	UTU-74108		2217' FSL, 2187' FWL	Vernal	Beluga
✓ Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	PND	Green River	U-72106		1926' FSL, 2000' FEL	Vernal	Beluga
✓ Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL		Beluga
✓ Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL		Beluga
✓ Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578	1980' FSL, 1980' FWL		Beluga
✓ Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516	861' FNL, 664' FWL	Vernal	Beluga
✓ Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Vernal	Beluga
✓ Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778	860' FSL, 1980' FEL	Vernal	Beluga
✓ Paiute Federal #43-8	Monument Butte	NE SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30777	1958' FSL, 711' FEL	Vernal	Beluga
✓ POMCO #2	Monument Butte	NW SE	18	9S	17E	Duchesne	UT	OTA	Green River	U-3563	43-013-30505	1980' FSL, 1980' FEL	Vernal	Beluga
✓ POMCO #4	Monument Butte	SW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-103-30506	660' FSL, 660' FWL	Vernal	Beluga
✓ POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499	1980' FSL, 660' FWL	Vernal	Beluga
✓ Sue Morris #16-3	Monument Butte	NE NW	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30562	660' FNL, 1980' FWL		Beluga

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

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

FEB 21 '96 03:42PM BALCRON OIL DIV

OPERATOR EQUITABLE RESOURCES ENERGY

OPERATOR ACCT. NO. H9890

ADDRESS BALCRON OIL DIVISION

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

2-22-96

Title

Date

Phone No. ( )

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

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

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

TOTAL # OF PAGES 2  
(including this cover sheet)

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

TELECOMMUNICATOR: mmc

**SPECIAL INSTRUCTIONS:**

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

Thanks for your help!!

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

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

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

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

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

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

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

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

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

REMARKS: \_\_\_\_\_

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

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

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

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

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
COYOTE FEDERAL 21-5 4304732260	11500	08S 25E 5	GRRV					
COYOTE FEDERAL 13-5 4304732261	11500	08S 25E 5	GRRV					
FEDERAL 22-10Y 4301331395	11501	09S 17E 10	GRRV					
FEDERAL 41-21Y 4301331392	11505	09S 16E 21	GRRV					
FEDERAL 44-14Y 4304732438	11506	09S 17E 14	GRRV					
FEDERAL 21-13Y 11331400	11510	09S 16E 13	GRRV					
FEDERAL 21-9Y 4301331396	11513	09S 16E 9	GRRV					
<del>MONUMENT FEDERAL 21-17</del> 4301331387	11528	09S 17E 17	GRRV					
<del>FEDERAL 21-8</del> 4301331398	11529	09S 17E 8	GRRV					
FEDERAL 21-25Y 4301331394	11530	09S 16E 25	GRRV					
<del>MONUMENT FEDERAL 21-28</del> 4301331382	11574	09S 17E 8	GRRV					
<del>MONUMENT FEDERAL 21-8</del> 4301331427	11613	09S 17E 8	GRRV					
<del>MONUMENT FEDERAL 21-7</del> 4301331432	11616	09S 17E 7	GRRV					
<b>TOTALS</b>								

REMARKS:

---



---

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

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
<del>MONUMENT FEDERAL 11-25</del> 4304732455	<del>11625</del>	<del>08S 17E 25</del>	GRRV					
<del>MONUMENT FEDERAL 31-17</del> 4301331428	<del>11635</del>	<del>09S 17E 17</del>	GRRV					
<del>MONUMENT FEDERAL 22-17</del> 4301331429	<del>11638</del>	<del>09S 17E 17</del>	GRRV					
<del>BALCRON MONUMENT FEDERAL 12-17</del> 4301331431	<del>11640</del>	<del>09S 17E 17</del>	GRRV					
ALLEN FEDERAL 31-6G 4301331442	11642	09S 17E 6	GRRV					
BALCRON FEDERAL 41-19Y 4732504	11651	09S 18E 19	GRRV					
BALCRON MONUMENT STATE 14-2 4301331425	11656	09S 17E 2	GRRV					
FEDERAL 44-4Y 4301331452	11679	09S 17E 4	GRRV					
FEDERAL 31-5Y 4304732503	11680	09S 18E 5	GRRV					
BALCRON MONUMENT FEDERAL 21-25 4304732528	11683	08S 17E 25	GRRV					
<del>MONUMENT FEDERAL 41-17</del> 4301331466	<del>11692</del>	<del>09S 17E 17</del>	GRRV					
MONUMENT FEDERAL 12-25 4304732526	11694	08S 17E 25	GRRV					
<del>MONUMENT FEDERAL 12-17</del> 4301331467	<del>11698</del>	<del>09S 17E 17</del>	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: \_\_\_\_\_

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

Well Name	PI Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
							OIL(BBL)	GAS(MCF)	WATER(BBL)
<del>MONUMENT FEDERAL 32-17A</del>									
4301331465	11704	09S	17E 17	GRRV					
MONUMENT FEDERAL 32-25									
4304732524	11707	08S	17E 25	GRRV					
MONUMENT FEDERAL 31-25									
4304732530	11710	08S	17E 25	GRRV					
BALCRON FEDERAL 12-22Y									
4301331476	11717	08S	17E 22	GRRV					
MONUMENT FEDERAL 33-25									
4304732525	11729	08S	17E 25	GRRV					
MONUMENT FEDERAL 23-25									
4732529	11730	08S	17E 25	GRRV					
BALCRON MONUMENT STATE 24-2									
4304732612	11736	09S	17E 2	GRRV					
BALCRON MONUMENT STATE 13-2									
4301331482	11738	09S	17E 2	GRRV					
BALCRON MONUMENT STATE 22-2									
4304732610	11742	09S	17E 2	GRRV					
BALCRON MONUMENT STATE 12-2									
4301331481	11745	09S	17E 2	GRRV					
BALCRON FEDERAL 31-19Y									
4304732614	11751	09S	18E 19	GRRV					
BALCRON FEDERAL 42-19Y									
4304732616	11756	09S	18E 19	GRRV					
BALCRON FEDERAL 12-20Y									
4304732617	11758	09S	18E 20	GRRV					
<b>TOTALS</b>									

REMARKS:

---



---

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

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

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

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

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF EQUITABLE	:	ACTION
RESOURCES ENERGY COMPANY	:	
FOR ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-170
THE 44-7, 13-8, 24-8, 33-8, 1-8, 11-16,	:	
22-16, 13-16, 11-17, POMCO #5,	:	
22-17, 31-17, 42-17, AND 33-17	:	
WELLS LOCATED IN SECTIONS 7, 8,	:	
16 AND 17, TOWNSHIP 9 SOUTH,	:	
RANGE 17 EAST, S.L.M., DUCHESNE	:	
COUNTY, UTAH, AS CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

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 Equitable Resources Energy Company for administrative approval of the 44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, Pomco #5, 22-17, 31-17, 42-17, and 33-17 wells, located in Section 7, 8, 16 and 17, Township 9 South, Range 17 East, SLM, Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 3190 feet to 5596 feet (Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 1856 PSIG with a maximum rate of 500 BWPD.

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. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of April 1996.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
R. J. Firth  
Associate Director, Oil & Gas

**Equitable Resources Energy Company  
44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, Pomco #5,  
22-17, 31-17, 42-17, and 33-17 Wells  
Cause No. UIC-170**

Publication Notices were sent to the following:

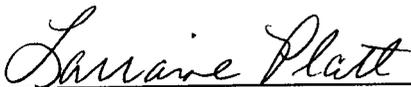
Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102-4126

U.S. Environmental Protection Agency  
Region VIII  
Attn. Dan Jackson  
999 18th Street  
Denver, Colorado 80202-2466



---

Lorraine Platt  
Secretary  
April 2, 1996



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 2, 1996

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-170

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt  
Secretary

Enclosure





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 2, 1996

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-170

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt  
Secretary

Enclosure





**EQUITABLE RESOURCES  
ENERGY COMPANY**

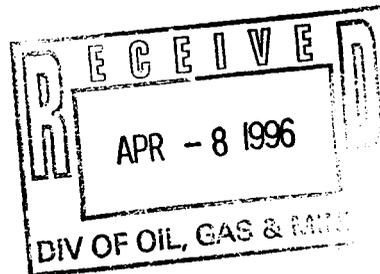
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

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

March 22, 1996

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



Gentlemen:

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

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

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

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

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number:

See attached listing

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See attached listing

1. Type of Well: OIL  GAS  OTHER:

See attached listing

8. Well Name and Number:

See attached listing

2. Name of Operator:

Equitable Resources Energy Company, Balcron Oil Division

9. API Well Number:

See attached listing

3. Address and Telephone Number:

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

10. Field and Pool, or Wildcat:

See attached listing

4. Location of Well

Footage: See attached listing

County: See attached list

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

State: UTAH

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

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

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

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

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

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

Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

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

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.

Name & Signature:

*Bobbie Schuman*  
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	DE 58-FILE	✓
3	VLD (GIL)	✓
4	RJE	✓
5	LEP	✓
6	FILM	✓

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	<u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

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

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31467</u>	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	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) Scheco 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.
- 4/22/96
- DTJ 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*Sent to Ed Bonner - Trust Lands*

FILMING

- VDP 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

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

COMMENTS

9/6/04/0 BLM/BIA "Formal approval not necessary"

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT  (Highlight Changes)

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

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	04/11/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL488200561
SCHEDULE	
START 04/11/96 END 04/11/96	
CUST. REF. NO.	
UIC-170	
CAPTION	

COPY

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-170  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL OF THE 44-7, 43-8, 24-8, 33-8, 4-8, 11-16, 22-16, 13-16, 11-17, POMCO #5, 22-17, 31-17, 42-17, AND 33-17 WELLS LOCATED IN SECTIONS 7, 8, 16 AND 17, TOWNSHIP 9 SOUTH, RANGE 17 EAST, S.L.M., 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 Equitable Resources Energy Company for administrative approval of the 44-7, 43-8, 24-8, 33-8, 4-8, 11-16, 22-16, 13-16, 11-17, POMCO #5, 22-17, 31-17, 42-17, and 33-17 wells located in Sections 7, 8, 16 and 17, Township 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The interval from 3190 feet to 5595 feet (Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 1856 PSIG with a maximum rate of 500 BWPD.

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. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 2nd day of April, 1996.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
R. J. Firth  
Associate Director, Oil and Gas  
48820050

NOTICE OF AGENCY ACTION CAUSE N

SIZE	
47 LINES	2.00 COLUMN
	RATE
	1.64
FES	AD CHARGES
	154.16
	TOTAL COST
	154.16

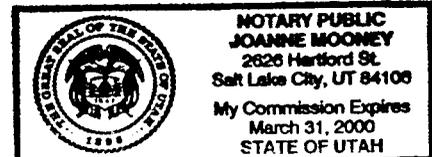
AFFIDAVIT OF PUBLICATION

CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED NOTICE OF AGENCY ACTION CAUSE N FOR OIL & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS IN ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 04/11/96 END 04/11/96

SIGNATURE *Joanne Mooney*

DATE 04/11/96



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT.



**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)

May 21, 1996

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Re: Application for Injection Wells  
Sections 7, 8, 16 and 17  
Township 9 South, Range 17 East  
Duchesne County, Utah

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 following listed wells to Class II injection wells:

Monument State 22-16-9-17B  
Monument State 13-16-9-17B  
Monument State 33-17-9-17B  
Balcron Monument Federal 42-17  
Balcron Monument Federal 31-17  
Balcron Monument Federal 22-17  
Pomco 5  
Paiute Federal 11-7  
State NGC 11-16  
Monument Butte Federal 1-8  
Balcron Monument Federal 33-8  
Paiute Federal 24-8  
Balcron Monument Federal 13-8  
Mocon Federal 44-7

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.



Equitable Resources Energy Company  
May 21, 1996  
Page 2

2. Conformance with all conditions and requirements of the complete application submitted by Equitable Resources Energy Company.
3. Cement bond logs shall be run on the Monument Butte Federal 1-8, State NGC 11-16 and Pomco # 5 wells prior to conversion. Copies of the bond logs shall be submitted to the Division for review to determine if remedial cement work is necessary.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,



R.J. Firth  
Associate Director

cc: Chuck Williams, Environmental Protection Agency  
Bureau of Land Management, vernal

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** Equitable Resources      **Location:** Belugu Unit

**Wells:** 44-7,13-8,24-8,33-8,1-8,11-16,22-16,13-16,11-17,Pomco#5,22-17,31-17,42-17 and 33-17

**Ownership Issues:** The proposed wells are located in sections 7, 8 and 16, township 9 south, range 17 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Equitable has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

**Well Integrity:** The 14 wells proposed for conversion to injection all have surface casing set at approximately 300 feet  $\pm$  30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 6000 feet, and were all cemented above the injection zone. The 1-8 and 11-16 wells are plugged and abandoned wells. The Pomco # 5 well is an old shut in producer, there are no cement bond logs on these three wells. Equitable has been notified that they must run bond logs on these wells and submit them to the Division prior to conversion. Cement bond logs are on file with the Division and verify reported cement tops on the other proposed injectors. The interval from 3190-5596 feet (Green River Formation) will be selectively perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 25 producing wells 5 plugged and abandoned wells, 5 shut in producers and 3 newly drilled wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. All of the plugged wells have adequate plugs. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

**Ground Water Protection:** The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field averages .87 psi/ft resulting in a maximum allowed surface pressure of 1975 psi. A maximum pressure of 1856 psig was requested and injection pressures for each of the injectors will be

maintained at this pressure. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

**Oil/Gas & Other Mineral Resources Protection:** Equitable Resources is the operator of the Belgu Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

**Bonding:** Equitable is the operator of all wells within the project and is bonded by the Federal Government.

**Actions Taken and Further Approvals Needed:** These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. Cement bond logs need to be run on the 1-8, 11-16 and pomco #5 wells. A casing pressure test needs to be conducted when the well is converted and a casing/tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 15 day comment period if no objections are received it is recommended to issue an approval to convert the wells and an injection permit. There are no special conditions or stipulations other than running the bond logs on the specified wells and the permit should be granted in accordance with the conditions set forth in the application.

DJJ  
Reviewers

05-21-96  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RENVR.  Other **CONFIDENTIAL**

2. NAME OF OPERATOR  
Equitable Resources Energy Company

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 1800' FNL & 700' FEL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-013-31467 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.  
U-72106

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

7. UNIT AGREEMENT NAME  
Beluga Unit

8. FARM OR LEASE NAME  
Monument Federal

9. WELL NO.  
#42-17

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

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA  
SE NE Section 17, T9S, R17E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

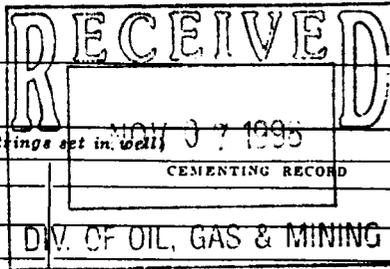
15. DATE SPUDDED 9-17-96 16. DATE T.D. REACHED n/a 17. DATE COMPL. (Ready to prod.) n/a 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\* n/a 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5697' 21. PLUG, BACK T.D., MD & TVD 5626' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY n/a ROTARY TOOLS n/a CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* n/a 25. WAS DIRECTIONAL SURVEY MADE n/a

26. TYPE ELECTRIC AND OTHER LOGS RUN n/a 27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)  
CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT PULLED  
Please see original completion report.



29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>n/a</u>					<u>2-3/8"</u>	<u>3898.40'</u>	<u>3904.60' KB</u>

31. PERFORATION RECORD (Interval, size and number)  
No additional perforations added.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION n/a PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) n/a WELL STATUS (Producing or shut-in) SI WO Injection

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>n/a</u>							

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

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

SIGNED Molly Conrad TITLE Operations Secretary DATE 11-4-96

\*(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.

			No DST's run.
--	--	--	---------------

38. GEOLOGIC MARKERS

NAME

MEAS. DEPTH

TOP

TRUE VERT. DEPTH

Please see completion report.			
-------------------------------	--	--	--

**EREC Western Region  
DAILY OPERATING REPORT**

**MONUMENT FEDERAL #42-17**

**Operator: EREC/Western Region  
EREC WI: 90.68%  
Location: SE NE Section 17, T9S, R17E  
Duchesne County, Utah  
Prospect: Monument Butte/Beluga Unit**

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

**09/17/96 Re-Completion for Injection**  
MIRU Basin Well Service Rig #1. Hang well off. Flush rods w/30 bbls wtr. Pull & LD rod string, 188 - 3/4" x 25' Plain. Unflange well head. Release tbg anchor. NU BOP. TOO H w/tbg string. Tih w/4-3/4" bit & 5-1/2" csg scrapper to 4770' KB> TOO H w/tbg, scrapper & bit. SWIFN.  
DC: \$1,902 CC: \$1,902

**09/18/96 Re-Completion for Injection**  
TIH w/TS RBP, retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-7/8" SN & 151 tjs 2-7/8" tbg. Set BP @ 4700' KB, pkr @ 4612' KB. (Zone 4641' - 4646', 4652' - 4656'). Pump 14 bbls wtr, .72 bpm @ 1050 psi, ISIP @ 900 psi. Reset BP @ 4600' KB, pkr @ 4486' KB. (Zone 4542' - 4548'). Pumped 4 bbls wtr, .86 bpm @ 1200 psi, ISIP 1050 psi. Reset BP @ 4030' KB., pkr @ 3940' KB. (Zone 3972' - 3981', 3986' - 3991') Pump 8 bbls wtr, .99 bpm @ 1050 psi, ISIP @ 800 psi. Release pkr & BP. Flush tbg w/20 bbls wtr. TOO H, lay tbg & tools down. SWIFD  
DC: \$1,470 CC: \$3,372

**09/19/96 Re-Completion for Injection**  
TIH w/injection string (tbg) as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - Arrow Set-1 pkr 2-3/8" x 5-1/2"	6.20'	3904.60'
1 - Cross over 2-3/8" x 2-7/8"	.65	3898.40'
1 - SN 2-7/8"	1.10'	3897.75'
127 - jts 2-7/8" EUE J-55 8rd 6.5#	3886.65'	3896.65'
KB	10.00'	

Press test tbg to 3000 psi, 1/2 hr, no loss. Fish standing valve, ND BOP. Set pkr, test csg to 1000 psi, 1 hr, no loss. Release pkr. Flange up well head, pump 55 gals Champion Cortron 2383 pkr fluid, mixed w/60 bbls wtr dwn csg. Set pkr. Press test csg & pkt to 1000 psi, 1 hr, no loss. SWI. RDMO.  
DC: \$14,418 CC: \$17,790

**EREC Western Region  
DAILY OPERATING REPORT**

**MONUMENT FEDERAL #42-17**

**Operator: EREC/Western Region**  
**EREC WI: 90.68%**  
**Location: SE NE Section 17, T9S, R17E**  
**Duchesne County, Utah**  
**Prospect: Monument Butte/Beluga Unit**

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

- 09/17/96 Re-Completion for Injection  
 MIRU Basin Well Service Rig #1. Hang well off. Flush rods w/30 bbls wtr. Pull & LD rod string, 188 - 3/4" x 25' Plain. Unflange well head. Release tbg anchor. NU BOP. TOO H w/tbg string. Tih w/4-3/4" bit & 5-1/2" csg scrapper to 4770' KB> TOO H w/tbg, scrapper & bit. SWIFN.  
 DC: \$1,902 CC: \$1,902
- 09/18/96 Re-Completion for Injection  
 TIH w/TS RBP, retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-7/8" SN & 151 tjs 2-7/8" tbg. Set BP @ 4700' KB, pkr @ 4612' KB. (Zone 4641' - 4646', 4652' - 4656'). Pump 14 bbls wtr, .72 bpm @ 1050 psi, ISIP @ 900 psi. Reset BP @ 4600' KB, pkr @ 4486' KB. (Zone 4542' - 4548'). Pumped 4 bbls wtr, .86 bpm @ 1200 psi, ISIP 1050 psi. Reset BP @ 4030' KB., pkr @ 3940' KB. (Zone 3972' - 3981', 3986' - 3991') Pump 8 bbls wtr, .99 bpm @ 1050 psi, ISIP @ 800 psi. Release pkr & BP. Flush tbg w/20 bbls wtr. TOO H, lay tbg & tools down. SWIFD  
 DC: \$1,470 CC: \$3,372

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-72106

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Beluga Unit

8. Well Name and No.

Balc. Mon. Fed. #42-17

9. API Well No.

43-013-31467

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

11. County or Parish, State

Duchese Co. Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other WIW

2. Name of Operator

Equitable Resources Energy Company

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)

SE NE 17-795- RITE  
1800' FNL, 700' FEL

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

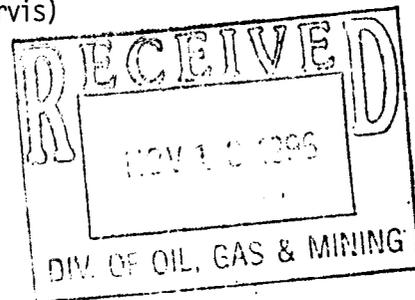
- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other request for approval to inject  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

This well has been converted to a water injection well in accordance with the attached wellbore diagram and EPA Well Rework form. Water injection will commence when final approval has been received from the EPA, BLM, and Utah DOGM. This sundry notice is to request that approval to inject.

ORIGINAL: Bureau of Land Management (Vernal, UT) (Attention: Wayne Bankert)  
COPY: Utah Division of Oil, Gas and Mining (Attention: Dan Jarvis)  
COPY: U.S. EPA (Attention: Chuck Williams)



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

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date November 12, 1996

(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.

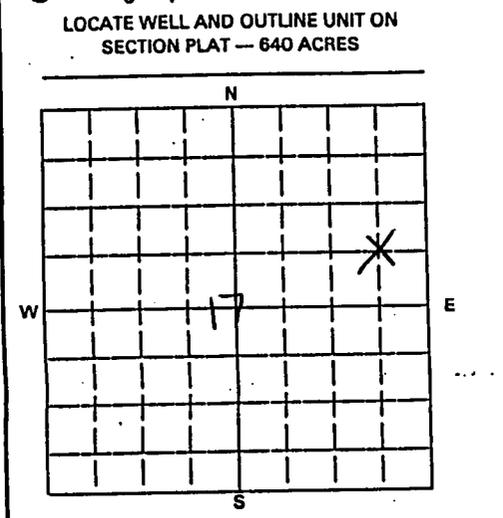
\*See Instruction on Reverse Side



**WELL REWORK RECORD**

**NAME AND ADDRESS OF PERMITTEE**  
Equitable Resources Energy Company  
Western Region  
1601 Lewis Avenue  
Billings, MT 59102

**NAME AND ADDRESS OF CONTRACTOR**  
Basin Well Service  
Box 2876  
Roosevelt, UT 84066



STATE: Utah COUNTY: Duchesne PERMIT NUMBER: U-72106

SURFACE LOCATION DESCRIPTION  
SE 1/4 OF NE 1/4 OF 1/4 SECTION 17 TOWNSHIP 9S RANGE 17E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT  
Surface Location 1800' ft. from (N/S) N Line of quarter section  
and 700' ft. from (E/W) E Line of quarter section

**WELL ACTIVITY**  
 Brine Disposal  
 Enhanced Recovery  
 Hydrocarbon Storage

Lease Name: Beluga Unit

Total Depth Before Rework: 5697' KB  
Total Depth After Rework: 5697' KB  
Date Rework Commenced: 9/17/96  
Date Rework Completed: 9/19/96

**TYPE OF PERMIT**  
 Individual  
 Area  
Number of Wells: \_\_\_\_\_  
Well Number: Balcron Monumie Federal #42-17

**WELL CASING RECORD — BEFORE REWORK**

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
<u>SEE Attached</u>						

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

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
<u>See Attached</u>						

**DESCRIBE REWORK OPERATIONS IN DETAIL**  
USE ADDITIONAL SHEETS IF NECESSARY

Isolated individual zones + established INT. Rates into each zone. Pickup new INT. tubing + set Arrow Set - 1 packer @ 3898' KB. Load casing granules w/ 55 gal cotton 2383 packer fluid mixed w/ 60 BBS of 2% KCL water.

**WIRE LINE LOGS, LIST EACH TYPE**

Log Types	Logged Intervals
<u>Compensated Neutron-Litho Density, Dual Laterolog, CBL/GR.</u>	<u>TD to Surface</u>

**CERTIFICATION**

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

**NAME AND OFFICIAL TITLE (Please type or print)**  
John Zellitt  
Senior Prod. Engr.

**SIGNATURE**  
John Zellitt

**DATE SIGNED**  
11-11-96

WELL NAME: BALCRON MONUMENT FED. #42-17

FIELD: Monument Butte (Beluga Unit)

FEDERAL LEASE NO.: UTU-72106

LOCATION: SE NE Sec.17, T9S, R17E

FOOTAGE: 1800' FNL, 700' FEL

COUNTY/STATE: Duchesne County, Utah

WORKING INTEREST: 0.91491728

PRODUCING FORMATION: Green River

COMPLETION DATE: 12/20/94

INITIAL PRODUCTION: 40 BO

OIL/GAS PURCHASER: AMOCO

PRESENT PROD STATUS: Prod

ELEVATIONS - GROUND: 5342.1' GL

TOTAL DEPTH: 5697' KB

DATE : 11/11/95 vk

API NO.: 43-013-31467

NET REVENUE INTEREST: 0.80471769 Oil  
0.73108274 Gas

SPUD DATE: 11/20/94

OIL GRAVITY: 34

BHT:

KB: 5352.1' KB (10' KB)

PLUG BACK TD: 5626' KB

**SURFACE CASING**

STRING: 1

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 8 jts (362.8')

DEPTH LANDED: 374' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl  
+ 1/4 #/sk Cello-Seal

**TUBING RECORD**

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

NO. OF JOINTS: 127 Jts (3886.75')

SEAT NIPPLE: 2-7/8"x1.10'

ARROW SET 1 PACKER: 2-3/8"x5-1/2"x6.20'

PACKER LANDED AT: 3898' KB

PKR Set w/ ? Tension

LOGS: Compensated Neutron-LithoDensity,  
CBL-GammaRay, Collar Log,  
Dual Laterolog

**PRODUCTION CASING**

STRING: 1

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 131 jts (5696.5')

DEPTH LANDED: 5693.5' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 230 sxs Super "G" w/ (40# "G"  
+ 20# Poz A + 17# CSE +  
2# Hi-Seal + 1/4 # Cello-Seal)/sk  
+ 3% salt + 2% gel TAILED by  
270 sxs 50/50 Poz + 2% gel +  
1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

**PERFORATION RECORD**

3972' - 3981'	12/10/94	Y2	4 SPF	9 ft	36 holes
3986' - 3991'	12/10/94	Y2	4 SPF	5 ft	20 holes
4542' - 4548'	12/8/94	R2			7 holes
4641' - 4646'	12/8/94	R5			3 holes
4652' - 4656'	12/8/94	R5			2 holes
4662' - 4664'	12/8/94	R5			2 holes

**ACID JOB / BREAKDOWN JOB**

4662' - 4664'	12/8/94	1974 gal 2% KCl wtr w/ 28 ball sealers. Balled Off. ATP-3400#, Max-4950#, ATR-4.5 bpm, ISIP-1300 psi
& 4652' - 4656', 4641' - 4646' & 4542' - 4548'		
3986' - 3991'	12/10/94	2604 gal 2% KCl wtr w/ 112 ball sealers. Good ball action. ATP-2000psi, Max-3800psi, ATR-5 bpm, Max-5.4 bpm, ISIP-1400 psi
& 3972' - 3981'		

Before Rework



**BALCRON MONUMENT FED. #42-17**  
**SE NE Sec.17, T9S, R17E**  
**1800' FNL, 700' FEL**  
**Monument Butte (Beluga Unit)**  
**Duchesne County, Utah**

**WELL DATA CONTINUED**  
**PAGE TWO**

**FRAC JOB**

---

4662' - 4664' & 4652' - 4656' 4641' - 4646' & 4542' - 4548'	12/8/94	18,312 gal 2% KCl wtr w/ 55,920 # 16/60. ATP-3250 psi, Max-3900 psi, ATR-30 bpm, Max-32 bpm, ISIP-2100 psi, 5min-1950, 10min- 1750, 15min-1630, 30min-1300#
3986' - 3991' & 3972' - 3981'	12/12/94	13,566 gal 2% KCl gel w/ 37,142# 16/30. ATP-2600psi, Max-2800 psi, ATR-30.9 bpm, Max-31.9 bpm, ISIP-2300 psi, 5min-2130, 10min- 1980 psi, 15min-1860, 30min-1620#

Before Rework

Elev.GR - 53421.1' GL  
 Elev.KB - 5352.1' KB (10' KB)

**WELLBORE DIAGRAM**

DATE : 11/11/95 vk

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (362.8')  
 DEPTH LANDED: 374' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl  
 + 1/4 #/sk Cello-Seal

374' KB

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5696.5')  
 DEPTH LANDED: 5693.5' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 230 sxs Super "G" w/ (40# "G"  
 + 20# Poz A + 17# CSE +  
 2# Hi-Seal + 1/4 # Cello-Seal)/sk  
 + 3% salt + 2% gel TAILED by  
 270 sxs 50/50 Poz + 2% gel +  
 1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 128 jts (3922.86')  
 TUBING ANCHOR: 2.35'  
 NO. OF JOINTS: 24 jts (757.22')  
 SEATING NIPPLE: 2 7/8" x 1.1'  
 PERFORATED SUB: 2 7/8" x 4.2'  
 MUD ANCHOR: 2 7/8" x 27.93'  
 STRING LENGTH: 4715.66'  
 SN LANDED AT: 4693.53' KB  
 EOT : 4725.66' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 188 - 3/4" x 25' Plain

STRING LENGTH: 4716.5'

PUMP NUMBER: #1047 (Trico)  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
 w/ PA plunger

STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6.25 SPM  
 PUMPING UNIT: LUFKIN LM 228D-213-86T  
 PRIME MOVER: AJAX E-42

LOGS: Compensated Neutron-LithoDensity,  
 CBL-GammaRay, Collar Log,  
 Dual Laterolog

**ACID JOB /BREAKDOWN**

4662' - 4664'	12/8/94	1974 gal 2% KCl wtr w/ 28 ball sealers. Balled Off. ATP-3400#, Max-4950#, ATR-4.5 bpm, ISIP-1300 psi
& 4652' - 4656' , 4641' - 4646' & 4542' - 4548'		
3986' - 3991'	12/10/94	2604 gal 2% KCl wtr w/ 112 ball sealers. Good ball action. ATP-2000psi, Max-3800psi, ATR-5 bpm, Max-5.4bpm, ISIP-1400 psi
& 3972' - 3981'		

**FRAC JOB**

4662' - 4664'	12/8/94	18,312 gal 2% KCl wtr w/ 55,920 # 16/60. ATP-3250 psi, Max-3900 psi, ATR-30 bpm, Max-32 bpm, ISIP-2100 psi, 5min-1950, 10min-1750, 15min-1630, 30min-1300#
& 4652' - 4656' , 4641' - 4646' & 4542' - 4548'		
3986' - 3991'	12/12/94	13,566 gal 2% KCl gel w/ 37,142# 16/30. ATP-2600 psi, Max-2800 psi, ATR-30.9 bpm, Max-31.9 bpm, ISIP-2300 psi, 5min-2130, 10min-1980 psi, 15min-1860, 30min-1620#
& 3972' - 3981'		

TOC @ 2180' KB

**PERFORATION RECORD**

3972' - 3981'	12/10/94	Y2	4 SPF	9 ft	36 holes
3986' - 3991'	12/10/94	Y2	4 SPF	5 ft	20 holes
4542' - 4548'	12/8/94	R2			7 holes
4641' - 4646'	12/8/94	R5			3 holes
4652' - 4656'	12/8/94	R5			2 holes
4662' - 4664'	12/8/94	R5			2 holes

3972' - 3981'  
 3986' - 3991'

4542' - 4548'

4641' - 4646'  
 4652' - 4656'  
 4662' - 4664'

SN LANDED @ 4693' KB  
 EOT LANDED @ 4726' KB

PBTD @ 5626' KB  
 TD @ 5697' KB

Before Rework



BALCRON MONUMENT FED. #42-17  
 Monument Butte (Beluga Unit)  
 UTU-72106  
 SE NE Sec.17, T9S, R17E  
 1800' FNL, 700' FEL  
 Duchesne County, Utah

Elev.GR - 5341' GL  
 Elev.KB - 5351' KB (10' KB)

Injection Wellbore Diagram

DATE:

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (362.8')  
 DEPTH LANDED: 374' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl  
 + 1/4 #/sk Cello-Seal

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5696.5')  
 DEPTH LANDED: 5693.5' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 230 sxs Super "G" w/ (40# "G"  
 + 20# Poz A + 17# CSE +  
 2# Hi-Seal + 1/4 # Cello-Seal)/sk  
 + 3% salt + 2% gel TAILED by  
 270 sxs 50/50 Poz + 2% gel +  
 1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

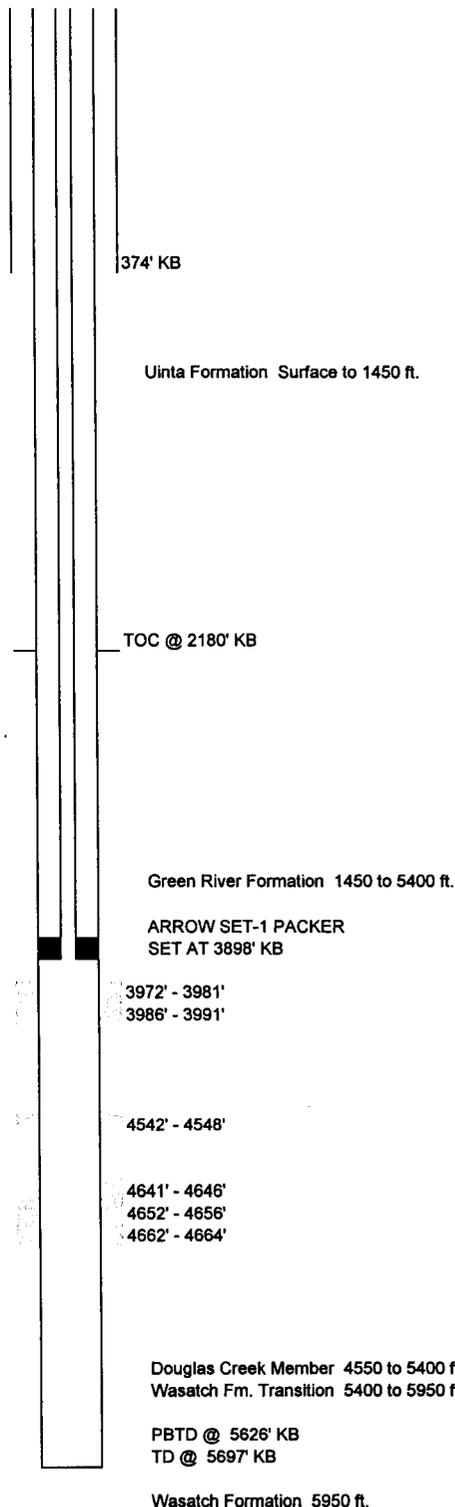
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 127 Jts (3886.75')  
 SEAT NIPPLE: 2-7/8"x1.10'  
 ARROW SET 1 PACKER: 2-3/8"x5-1/2"x6.20'  
 PACKER LANDED AT: 3898' KB  
 PKR Set w/ ? Tension

- CONVERSION: 1.) Tag fill @ 4770' KB  
 2.) TIH w/ RBP & PKR and pump filtered  
 KCL water to establish injection rate  
 into each zone.  
 3.) Replace 2-3/8" tbg with new 2-7/8" tbg  
 from Marta-Co.  
 4.) Pump PKR fluid and Set Arrow Set-1 PKR  
 @ 3898'. Press. test csg to 1000 psi. Good.

PACKER FLUID: Champion Cortron 2383 PKR fluid  
 mixed w/ 62 bbls 2% KCL water. 10/18/96

MIT RECORD:



Post  
 Rework

STATE OF UTAH  
 Division of Oil, Gas and Mining  
 355 West North Temple  
 3 Triad Center, Suite 350  
 Salt Lake City, Utah 84180-1203

⑤  
 12:35

INJECTION WELL - PRESSURE TEST

Test Date: <u>11/13/196</u>	Well Owner/Operator: <u>Equitable</u>
Disposal Well: <u>---</u>	Enhanced Recovery Well: <u>X</u> Other: <u>---</u>
API No.: <u>43-013-31467</u>	Well Name/Number: <u>42-17</u>
Section: <u>17</u>	Township: <u>9S</u> Range: <u>17E</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 1000 psi  
 Casing/Tubing Annulus - Pressure: 500 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1300</u>	<u>1000</u>
5		
10		
15		
20		
25		
30		
1 hr.	<u>1300</u>	<u>1000</u>

Results: Pass/Fail

213-8108

Conditions After Test:

Tubing Pressure: 1000 psi  
 Casing/Tubing Annulus Pressure: 0 psi

REMARKS:

Bled off pressure to 0 - pressured well  
to 1300 psi held 1 hr. Passed MIT

1  
 Operator Representative

D. James  
 DOGM Witness



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

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

November 20, 1996

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102

Re: Administrative Approval for Conversion of Wells to Class II Injection Wells, Duchesne County, Utah

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 wells to Class II injection wells:

Monument State 22-16-9-17B  
Monument State 33-17-9-17B  
Balcron Monument Federal 31-17  
Pomco 5  
State NGC 11-16  
Balcron Monument Federal 33-8  
Balcron Monument Federal 13-8

Monument State 13-16-9-17B  
Balcron Monument Federal 42-17  
Balcron Monument Federal 22-17  
Paiute Federal 11-7  
Monument Butte Federal 1-8  
Paiute Federal 24-8  
Mocon Federal 44-7

Accordingly, the following stipulations shall apply for full compliance with this approval:

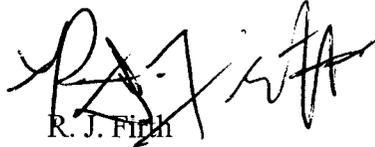
1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Equitable Resources Energy Company.



Page 2  
Equitable Resources Energy Company  
November 20, 1996

Enclosed with this letter is the Underground Injection Control Permit for this well. If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth". The signature is stylized and somewhat cursive, with a large initial "R" and "F".

R. J. Firth  
Associate Director

lwp  
cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal



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)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-170

Operator: Equitable Resources Energy Company

Wells: Monument State 22-16-9-17B  
Monument State 13-16-9-17B  
Monument State 33-17-9-17B  
Balcron Monument Federal 42-17  
Balcron Monument Federal 31-17  
Balcron Monument Federal 22-17  
Pomco 5  
Paiute Federal 11-7  
State NGC 11-16  
Monument Butte Federal 1-8  
Balcron Monument Federal 33-8  
Paiute Federal 24-8  
Balcron Monument Federal 13-8  
Mocon Federal 44-7

Location: Sections 7,8,16 and 17, Township 9 South, Range 17  
East,  
County: Duchesne

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on  
May 21, 1996

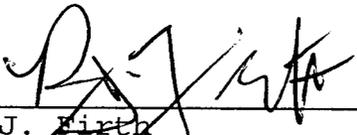


2. Maximum Allowable Injection Pressure: 1856 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 3190 feet to 5596 feet (Green River Formation)

---

---

Approved by:

  
\_\_\_\_\_  
R.J. Firth  
Associate Director, Oil and Gas

11/20/96  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
See attached list

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Beluga Unit

8. Well Name and No.  
See attached list

9. API Well No.  
See attached list

10. Field and Pool, or Exploratory Area  
Mon. Butte/Grn. 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

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)

See attached list

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

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

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

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

The Salceon Monument Federal # 42-17 has been converted to water injection for secondary recovery of remaining oil reserves. The well was treated with 5 gallons of claymaster and 10 gallons of 940 surfactant mixed with 75 barrels of 25 KCl water at a temperature of approximately 160°F to clear the wellbore and formation of residual oil. The well was then placed on injection at a rate of approximately 345 STBWPD.

Water injection commenced on December 3, 1996.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining  
COPY: U.S. Environmental Protection Agency (UIC Section)

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

Signed Bobbie Schuman  
Bobbie Schuman  
(This space for Federal or State office use)

Regulatory and  
Environmental Specialist

Title

Date January 13, 1997

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

WO tax credit denied - 9/97.

Federal

	Field	Status	Formation	Lease #	APT #	Footages	UNIT			
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8 9S 17E	Duchesne	UT Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Beluga
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17 9S 17E	Duchesne	UT Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Beluga
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17 9S 17E	Duchesne	UT Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Beluga
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	Beluga
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	Beluga
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	Beluga
Monument Federal #23-17-9-17B	Monument Butte	NE SW	17 9S 17E	Duchesne	UT OIL	Green River	UTU-74108		2217' FSL, 2187' FWL	Beluga
Mocon Federal #44-7	Monument Butte	SE SE	7 9S 17E	Duchesne	UT Oil	Green River	U-3563-A	43-013-30666	670' FSL, 663' FEL	Beluga
Monument Federal #33-17-9-17B	Monument Butte	NW SE	17 9S 17E	Duchesne	UT COMPL	Green River	U-72106		1926' FSL, 2000' FEL	Beluga
Monument Federal #44-8-17B	Monument Butte	SE SE	8 9S 17E	Duchesne	UT PND	Green River	U-74398	43-013-30643	602' FSL, 598' FEL	Beluga
Monument State #11-16-9-17B (Re-entry)	Monument Butte	NW NW	16 9S 17E	Duchesne	UT DRLG	Green River	State ML-21844	43-013-30616	660' FNL, 659' FWL	Beluga
Monument State #13-16-9-17B	Monument Butte	NW SW	16 9S 17E	Duchesne	UT SI	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL	Beluga
Monument State #22-16-9-17B	Monument Butte	SE NW	16 9S 17E	Duchesne	UT SI	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL	Beluga
Paiute Federal #11-17	Monument Butte	NW NW	17 9S 17E	Duchesne	UT Oil	Green River	U-3563-A	43-047-30516	661' FNL, 664' FWL	Beluga
Paiute Federal #24-8	Monument Butte	SE SW	8 9S 17E	Duchesne	UT Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Beluga
POMCO #5	Monument Butte	NW SW	17 9S 17E	Duchesne	UT Oil	Green River	UTU-74108	43-013-30499	1980' FSL, 660' FWL	Beluga

1-10-97/no

RECEIVED  
OCT 10 1997

RECEIVED  
OCT 13 1997

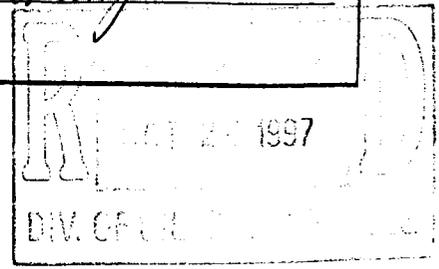
TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached **BELUGA (GREEN RIVER) UNIT**  
Field or Unit name: See Attached API no. See Attached  
Well location: Q0 See Attached section See Attached township See Attached range See Attached county See Attached  
Effective Date of Transfer: September 30, 1997

**CURRENT OPERATOR**  
Transfer approved by:  
Name David M. McCoskery Company Equitable Resources Energy Co.  
Signature [Signature] Address 1601 Lewis Avenue  
Title Director of Operations & Engineering Billings, MT 59102  
Date 9-30-97 Phone ( 406 ) 259-7860'  
Comments:

**NEW OPERATOR**  
Transfer approved by:  
Name Chris A Potter Company Inland Production Company  
Signature [Signature] Address 475 - 17th Street, Suite 1500  
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202  
Date 9-30-97 Phone ( 303 ) 292-0900  
Comments:

(State use only)  
Transfer approved by [Signature] Title Manager  
Approval Date 3-19-98



Injection wells

✓ MONUMENT BUTTE STATE #14-2	SW SW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31425-00	UTU45555	
✓ MONUMENT BUTTE STATE #22-2	SE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32610-00	UTU45555	
✓ MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
✓ MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
✓ MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
✓ MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
✓ MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
✓ MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844	UTU75023X
✓ MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013- <del>34579-00</del>	31145 ml 3453B	UTU75023X
✓ MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
✓ MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
✓ MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
✓ MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
✓ PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
✓ PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
✓ POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
✓ PARIETTE BENCH #4 (SWD)	SWSE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15681-00	UTU017992	8910069630

RECEIVED

OCT 10 1997



October 7, 1997

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



RE: Change of Operator  
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

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

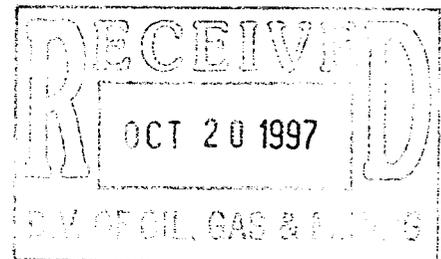
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

  
Patsy Barreau

/pb  
encls.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number: See Attached
6. If Indian, Allottee or Tribe Name: n/a
7. Unit Agreement Name: See Attached
8. Well Name and Number: See Attached
9. API Well Number: See Attached
10. Field and Pool, or Wildcat: See Attached

1. Type of Well: OIL  GAS  OTHER: \_\_\_\_\_

2. Name of Operator: Inland Production Company

3. Address and Telephone Number:  
475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well  
Footages: See Attached Exhibit  
County: \_\_\_\_\_  
OQ, Sec., T., R., M.: \_\_\_\_\_ State: \_\_\_\_\_

RECEIVED  
OCT 13 1997

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

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

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

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

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

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

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 Potter **CHRIS A. POTTER, ATTORNEY-IN-FACT** Date: 9/30/97

This space for State use only)

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
BALCRON FEDERAL #22-20Y	SE NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32711-00	UTU64917	
BALCRON FEDERAL #41-19Y	NENE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32504-00	UTU65635	
MONUMENT FEDERAL #43-19Y	NE SE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32730-00	UTU65635	
MONUMENT FEDERAL #14-21Y	SW SW 219S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32726-00	UTU68105	
A. ANDERSON STATE #1-16	SW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-15582-00		UTU75023X
D. DUNCAN STATE #16-5	SWNW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30570-00		UTU75023X
DMD FEDERAL #17-1	NE SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30689-00		UTU75023X
FEDERAL #1-18	NWNE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30332-00		UTU75023X
MAXUS FEDERAL #23-8	NESW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31196-00		UTU75023X
MONUMENT BUTTE FED. #12-17	SWNW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31431-00		UTU75023X
MONUMENT BUTTE FED. #14-8	SWSW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31398-00		UTU75023X
MONUMENT BUTTE FED. #21-17	NENW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31387-00		UTU75023X
MONUMENT BUTTE FED. #32-17	SWNE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31465-00		UTU75023X
MONUMENT BUTTE FED. #41-17	NENE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31466-00		UTU75023X
MONUMENT BUTTE FED. #43-7	NESE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31432-00		UTU75023X
MONUMENT FEDERAL #23-17B	NE SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31582-00	UTU74108	UTU75023X
MONUMENT STATE #23-16B	NE SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31578-00		UTU75023X
PAIUTE FEDERAL #34-8	SWSE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30778-00		UTU75023X
PAIUTE FEDERAL #43-8	NESE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30777-00		UTU75023X
POMCO #2	NWSE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30505-00		UTU75023X
POMCO #4	NWSW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30506-00		UTU75023X
SUE MORRIS #16-3	NENW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30562-00		UTU75023X
MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844 Beluga	UTU75023X
MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145	UTU75023X
MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
BALCRON FEDERAL #12-10Y	SW NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31536-00	UTU65210	
BALCRON FEDERAL #21-10Y	NE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31537-00	UTU65210	
BALCRON FEDERAL #22-10Y	SE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31395-00	UTU65210	



**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.*



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-931

March 2, 1998

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

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

Gentlemen:

On February 26, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Beluga (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective March 2, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Beluga (Green River) Unit Agreement.

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

UT931:TAThompson:tt:3/2/98

Well Status Report  
Utah State Office  
Bureau of Land Management

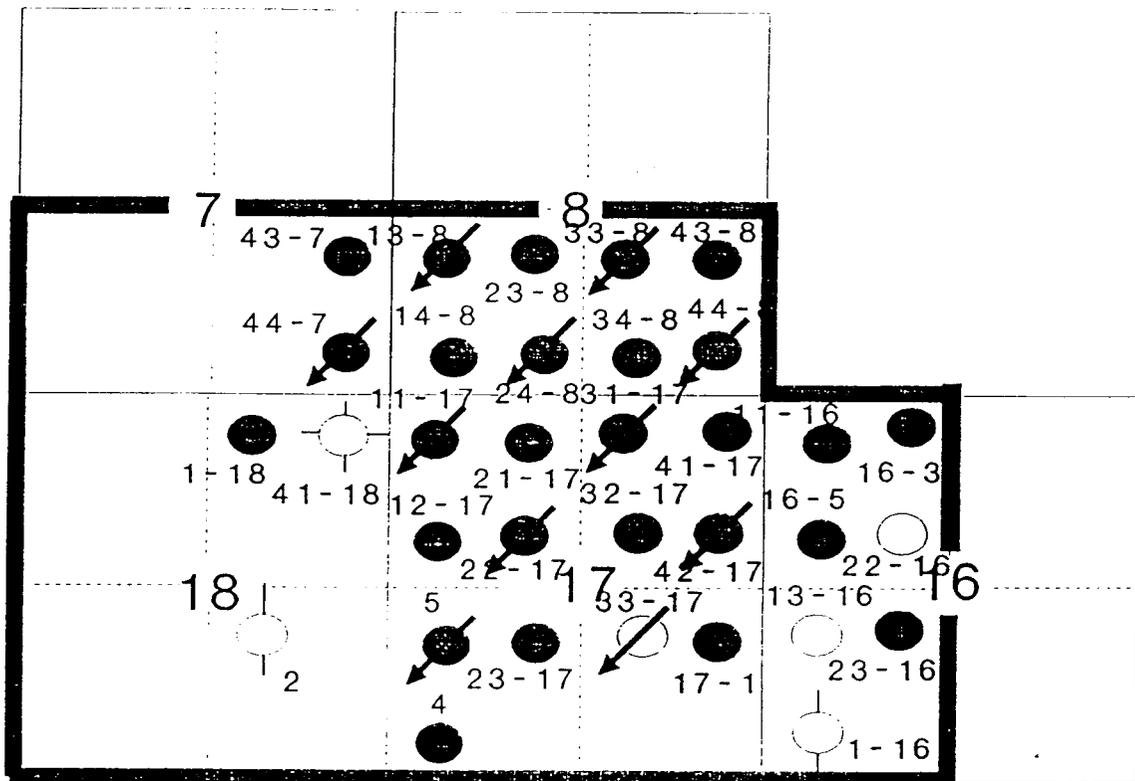
Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU75023X								
STATE	4301315582	1-16 SHELL-STATE	SWSW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330332	1-18 FEDERAL	NWNE	18	T	9S	R17E TA	EQUITABLE RESOURCES ENERGY CO
STATE	4301330616	11-16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

11250

# BELUGA (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: FEBRUARY 1, 1996



17E

— UNIT OUTLINE (UTU75023X)

2,223.13 ACRES

SECONDARY ALLOCATION	
FEDERAL	89.74%
STATE	10.26%

**OPERATOR CHANGE WORKSHEET**

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

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

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

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

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION CO.</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>C/O CRAZY MTN O&amp;G SVS'S</u>
	<u>ROOSEVELT UT 84066</u>		<u>PO BOX 577</u>
			<u>LAUREL MT 59044</u>
Phone:	<u>(435)722-5103</u>	Phone:	<u>(406)628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

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

**\*BELUGA (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31467</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 3-10-97)
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-20-97)
3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (3-11-98) \*Quattro Pro s. DBASE (wic) 3-11-98.
6. **Cardex** file has been updated for each well listed above. (3-11-98)
7. Well **file labels** have been updated for each well listed above. (3-11-98)
8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (3-11-98)
9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Y 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.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)** Trust Lands - 80,000 Surety "Hartford Acc. & Indemnity Co."

- N/A 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A **copy of this form** has been placed in the new and former operator's bond files.
- N/A 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**

- Y 1. Copies of documents have been sent on 3-11-98 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_\_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

- Y 1. All attachments to this form have been **microfilmed**. Today's date: 4.14.98.

**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**

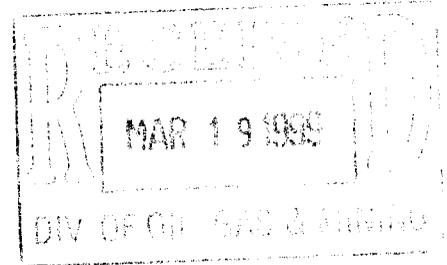
980311 Blm/SL Apr. 3-2-98.

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
EQUITABLE RE	<del>43-013-30666</del>	44-7	09S	17E	7	INJW	Y 11880
EQUITABLE RE	<del>43-013-31382</del>	13-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	<del>43-013-31427</del>	33-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	<del>43-013-30675</del>	24-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	<del>43-013-30643</del>	44-8-17B	09S	17E	8	INJW	Y 1523
EQUITABLE RE	<del>43-013-31580</del>	13-16-9-17B	09S	17E	16	INJW	Y 11880
EQUITABLE RE	<del>43-013-30616</del>	11-16-9-17B	09S	17E	16	INJW	Y 6130
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y 11880
<del>EQUITABLE RE</del>	<del>43-013-30518</del>	<del>11-17</del>	<del>09S</del>	<del>17E</del>	<del>17</del>	<del>INJW</del>	<del>Y</del>
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y 11880
EQUITABLE RE	<del>43-013-30516</del>	11-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	<del>43-013-31467</del>	42-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N



March 16, 1999



State of Utah  
Division of Oil, Gas & Mining  
Attn: Dan Jarvis  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Dan:

Please find enclosed Step Rate Tests (SRT) conducted by Inland Production Company on March 16, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 2060 psi on the Monument Federal #42-17 in the Beluga Unit. The Step Rate Test has been also submitted to Mr. Edwin Hogle with the Environmental Production Agency.

As always, thanks for your assistance. If you have any questions or need further information, please don't hesitate to call me at (435) 646-3721.

Sincerely,

Brad Mecham  
Operations Manager

Enclosures

cc: Environmental Protection Agency

/bm

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

<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>UTU-72106</b>	
<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)	<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> INJECTION	<b>7. UNIT AGREEMENT NAME</b>  BELUGA UNIT
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY	<b>8. FARM OR LEASE NAME</b> BALCRON MONUMENT FEDERAL
<b>3. ADDRESS OF OPERATOR</b> ROUT # 3 BOX 3630 MYTON, UTAH 84052 (435) 646-3721	<b>9. WELL NO.</b> 42-17
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/NE 1800 FNL 0700 FEL	<b>10. FIELD AND POOL, OR WILDCAT</b>  MONUMENT BUTTE
	<b>11. SEC. T., R., M. OR BLK. AND SURVEY OR AREA</b> SE/NE Section 17, T09S R17E
<b>14. API NUMBER</b> 43-013-31467	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5342 GR
	<b>12. COUNTY OR PARISH</b> DUCHESNE
	<b>13. STATE</b> UT

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

<p style="text-align: center;"><b>NOTICE OF INTENTION TO:</b></p> <p>TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(OTHER) _____ <input type="checkbox"/></p>	<p style="text-align: center;"><b>SUBSEQUENT REPORT OF:</b></p> <p>WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/></p> <p>(OTHER) <u>Step Rate Test</u> <input checked="" type="checkbox"/></p> <p style="font-size: small;">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>
--	--

**17 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.)\*

On March 17, 1999 Inland Production Company conducted a step-rate test (SRT) on the Balcron Monument Federal 42-17 in the Beluga Unit.  
Due to the results of this SRT , we are requesting that the Maximum Allowable Injection Pressure be changed to 2060 psi.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Brad Mecham</u>	TITLE <u>Operations Manager</u>	DATE <u>3/18/99</u>
Brad Mecham		

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

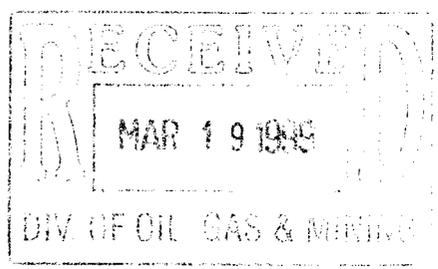
**Approved by the Utah Division of Oil, Gas and Mining**

Date: 3/22/99

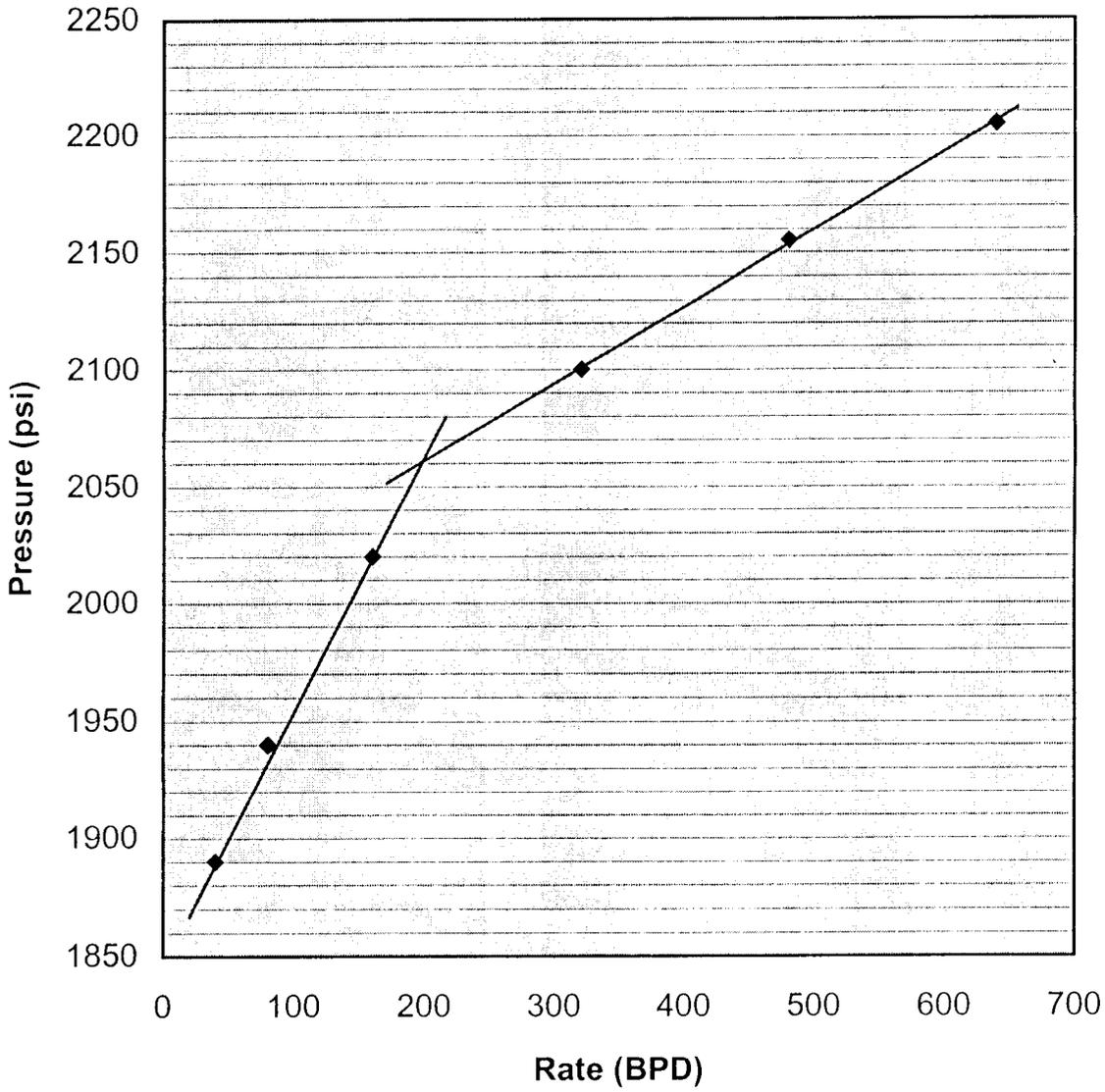
By: [Signature]

\* See Instructions On Reverse Side

COPY SENT TO OPERATOR  
Date: 3-24-99  
Initials: CHP



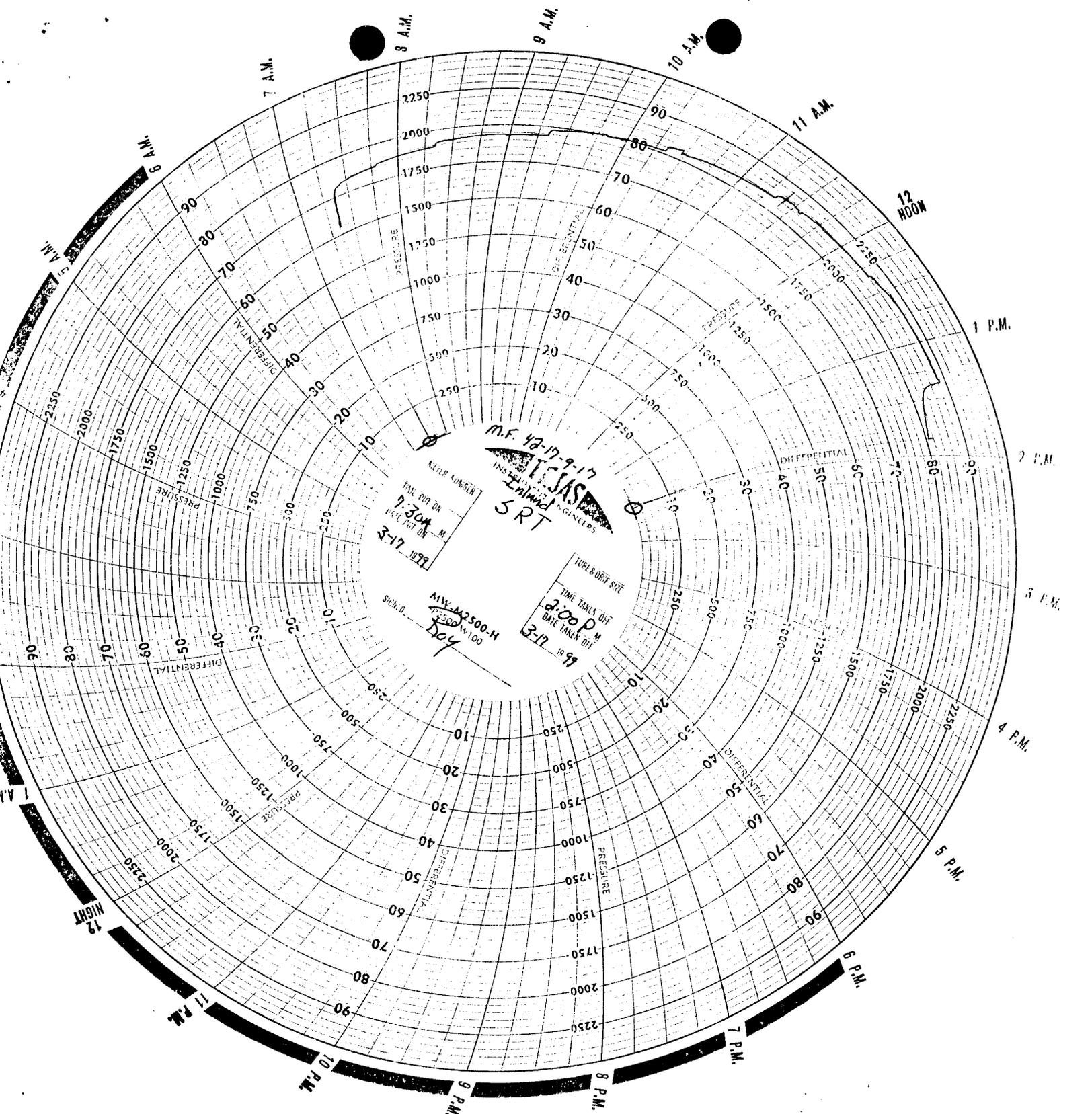
Mo...ment State 42-17  
(Beluga unit)  
Step Rate Test  
March 17, 1999



ISIP: 2120 psi

Fracture pressure: 2060 psi

Step	Rate(bpd)	Pressure(psi)
1	40	1890
2	80	1940
3	160	2020
4	320	2100
5	480	2155
6	640	2205



RECEIVED  
 MAR 19 1999  
 DIV. OF OIL, GAS & MINING

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

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-72106</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		7. UNIT AGREEMENT NAME <b>BELUGA</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SE/NE Section 17, T09S R17E 1800 FNL 700 FEL</b>		8. FARM OR LEASE NAME <b>BALCRON MON FED 42-17-9-17</b>	
14. API NUMBER <b>43-013-31467</b>		9. WELL NO. <b>BALCRON MON FED 42-17-9-17</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5342 GR</b>		10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SE/NE Section 17, T09S R17E</b>	
		12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRAC TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>5 Year MIT</b>	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. 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)\*

A 5 year MIT was conducted on the subject well. On 10/2/01 Mr. Al Craver w/ EPA was notified of the intent to conduct a MIT on the casing. On 10/17/01 Mr. Dennis Ingram was also contacted. On 10/17/01 the casing was pressured to 1000 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test. The well was injecting during the test.

**RECEIVED**  
OCT 18 2001  
DIVISION OF  
OIL, GAS AND MINING

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

SIGNED Krishna Russell TITLE Production Clerk DATE 10/18/01  
Krishna Russell

cc: BLM  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

Date: 10-22-01  
By: [Signature]

10-22-01  
CHD

\* See Instructions On Reverse Side

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
 Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: N/A Date: 10/17/01  
 Test conducted by: Brent Cook  
 Others present: Corby Marx

Well Name: <u>MF 42-17-9-17</u>	Type: <u>ER</u> SWD	Status: <u>AC</u> TA UC
Field: <u>Beluga</u>		
Location: <u>42</u> Sec: <u>17</u> T <u>9</u>	N/S R <u>17</u> E/W	County: <u>Duch</u> State: <u>UT</u>
Operator: <u>Inland Production</u>		
Last MIT: <u>11/13/96</u>	Maximum Allowable Pressure: <u>2060</u>	PSIG

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No      If yes, rate: 4 bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial pressure	<u>1880</u> psig	psig	psig
End of test pressure	<u>1880</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>950</u> psig	psig	psig
5 minutes	<u>950</u> psig	psig	psig
10 minutes	<u>950</u> psig	psig	psig
15 minutes	<u>950</u> psig	psig	psig
20 minutes	<u>950</u> psig	psig	psig
25 minutes	<u>950</u> psig	psig	psig
30 minutes	<u>950</u> psig	psig	psig
___ minutes	psig	psig	psig
minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

# MECHANICAL INTEGRITY PRESSURE TEST

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

Had 1000 psi on cs9 when started to chart hose to recorder plugged with oil. Blew hose out & restarted at 950 psi.

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

## OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results?  YES  NO

If not, why? \_\_\_\_\_

Possible violation identified?  YES  NO

If YES, what \_\_\_\_\_

If YES - followup initiated?  YES \_\_\_\_\_

NO - why not? \_\_\_\_\_

Data Entry

Compliance Staff

2<sup>nd</sup> Data Entry

Hardcopy Filing

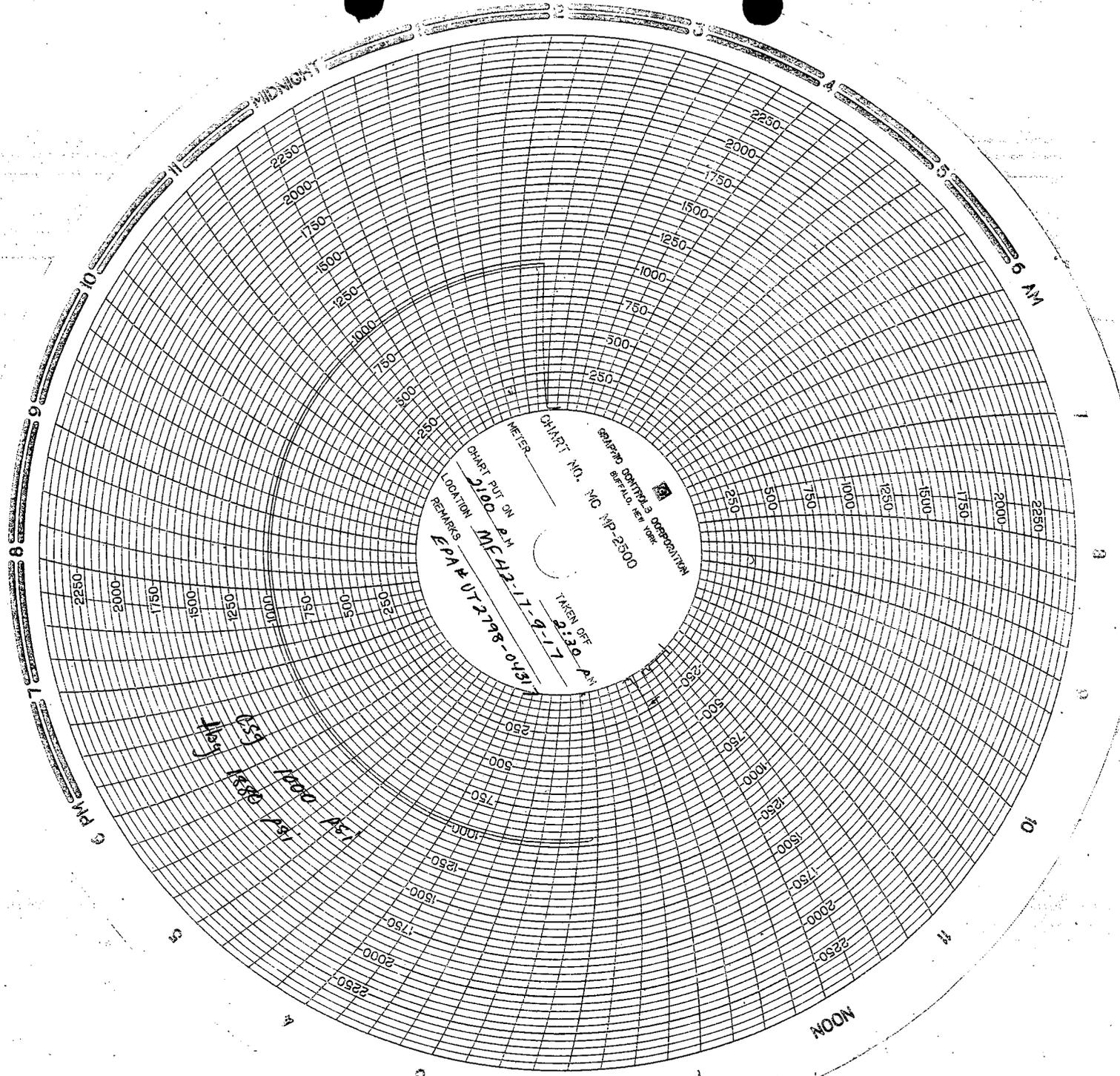


CHART NO. MC NP-2500  
 GROUPS CONTROL & OBSERVATION  
 METER \_\_\_\_\_  
 CHART PUT ON \_\_\_\_\_  
 LOCATION 2100 PM  
 REMARKS MIC 42-17-9.17  
EPA # UT 2798-0431  
 TAKEN OFF \_\_\_\_\_  
8:30 AM

1500  
1000  
As 1  
As 1



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

“ARTICLE ONE – The name of the corporation is Newfield Production Company.”

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

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

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

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

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone:	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04  
 Title: Perk. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>	
1. GLH	
2. CDW	
3. FILE	

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective: **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:** **BELUGA (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 43-7	07	090S	170E	4301331432	11880	Federal	OW	P
BELUGA 15-7-9-17	07	090S	170E	4301331579	11880	Federal	OW	P
BELUGA 10-7-9-17	07	090S	170E	4301332048	11880	Federal	WI	A
BELUGA 14-7-9-17	07	090S	170E	4301332049	11880	Federal	WI	A
MON FED 33-8	08	090S	170E	4301331427	11880	Federal	WI	A
MON ST 23-16-9-17B	16	090S	170E	4301331578	11880	State	OW	P
MON ST 13-16-9-17B	16	090S	170E	4301331580	11880	State	WI	A
MON FED 31-17	17	090S	170E	4301331428	11880	Federal	WI	A
MON FED 22-17	17	090S	170E	4301331429	11880	Federal	WI	A
BALCRON MON FED 12-17	17	090S	170E	4301331431	11880	Federal	OW	P
MONUMENT FED 32-17	17	090S	170E	4301331465	11880	Federal	OW	P
MONUMENT FED 41-17	17	090S	170E	4301331466	11880	Federal	OW	P
BALCRON MON FED 42-17	17	090S	170E	4301331467	11880	Federal	WI	A
MON FED 33-17-9-17B	17	090S	170E	4301331581	11880	Federal	WI	A
MON FED 23-17-9-17B	17	090S	170E	4301331582	11880	Federal	OW	P
BELUGA 3-18-9-17	18	090S	170E	4301332050	11880	Federal	OW	P
BELUGA 7-18-9-17	18	090S	170E	4301332051	11880	Federal	OW	TA
BELUGA 8-18-9-17	18	090S	170E	4301332052	11880	Federal	WI	A
BELUGA 9-18-9-17	18	090S	170E	4301332053	11880	Federal	OW	P
BELUGA U 4-18-9-17	18	090S	170E	4301332274	11880	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

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:  
BELUGA UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
BLCRN MON 42-17-9-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331467

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1800 FNL 700 FEL

COUNTY: DUCHESNE

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

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  10/10/2006	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 9/26/06 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 10/9/06. On 10/9/06 the csg was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1850 psig during the test. There was not an EPA representative available to witness the test. EPA# 20798-04317 API# 43-013-31467

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

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE *Callie Duncan*

DATE 10/16/2006

(This space for State use only)

**RECEIVED**  
**OCT 17 2006**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 10/10/06  
 Test conducted by: T. Jeffrey J. Ruzar  
 Others present: \_\_\_\_\_

Well Name: <u>MONUMENT Federal 42-17-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>MONUMENT 30th</u>		
Location: <u>SE/NE</u> Sec: <u>17</u> T <u>9</u> N <u>18</u> R <u>17</u> <u>E</u> W	County: <u>Duchess</u>	State: <u>UT</u>
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1850</u> psig	psig	psig
End of test pressure	<u>1850</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1200</u> psig	psig	psig
5 minutes	<u>1200</u> psig	psig	psig
10 minutes	<u>1200</u> psig	psig	psig
15 minutes	<u>1200</u> psig	psig	psig
20 minutes	<u>1200</u> psig	psig	psig
25 minutes	<u>1200</u> psig	psig	psig
30 minutes	<u>1200</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-72106
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: BELUGA UNIT
8. WELL NAME and NUMBER: BALCRON MON FED 42-17
9. API NUMBER: 4301331467
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

**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: OIL WELL  GAS WELL  OTHER *WI*

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1800 FNL 700 FEL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 17, T9S, R17E STATE: UT

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

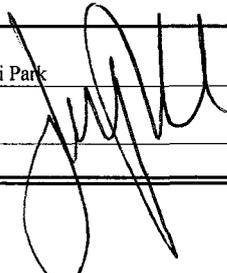
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____ 11/20/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was recompleted, work was done through the tubing, did not have to release the packer. Attached is a daily recompletion status report. The following perforations were added in the Green River formation:  
CP1 5346'-5356'  
CP1 5360'-5368'

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

NAME (PLEASE PRINT) Jentri Park TITLE Production Tech

SIGNATURE  DATE 02/03/2009

(This space for State use only)

**RECEIVED**

**FEB 04 2009**

DIV. OF OIL, GAS & MINING

**Daily Activity Report****Format For Sundry****BLCRN MON 42-17-9-17****9/1/2008 To 1/30/2009****11/20/2008 Day: 1****Recompletion**

Rigless on 11/19/2008 - RU hot oil truck and pump 2 bbl of acid at 1/2 bbl per min. Flush tubing with 30 bbl of water and shut well in for night.

---

**11/21/2008 Day: 2****Recompletion**

Rigless on 11/20/2008 - RU Lone Wolf llc WLT, crane and lubricator. RIH through tubing with 10' and 8' Perf gun. Perforate CP1 sands @ 5360'-5368' with 1-9/16" perf gun. (.20" EH 3.2 gram 120 degree phase 10.91" penetration Titan RTG 1603-320T) PUH to 5346'. Second gun misfire. PUOH change gun. RUH to CP1 sands @ 5346'-5356. Perforate CP1 sands @ 5346'-5356' with 1-9/16" perf gun. (.20" EH 3.2 gram 120 degree phase 10.91" penetration Titan RTG 1603-320T). PUOH RD Lone Wolf llc WLT, crane and lubricator. Finish Final Report

---

**Pertinent Files: Go to File List**



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

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

**MAR 30 2010**

Ref: 8P-W-GW

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

**RECEIVED**

**APR 07 2010**

**DIV. OF OIL, GAS & MINING**

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

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

RE: Underground Injection Control (UIC)  
Minor Permit Modification No. 1  
EPA Permit UT20798-04317  
Balcron Monument Fed. 42-17-9-17  
Duchesne County, UT  
API No.: 43-013-31467

95 17E 17

Dear Mr. Sundberg:

In conjunction with authorizing Monument Federal No. 32-17-9-17 for conversion under UIC Permit UT20798-08676, it was determined that cementing records for the Balcron Monument Federal No. 42-17-9-17 (UT20798-04317), including the Cement Bond Log (CBL), do not satisfactorily demonstrate the presence of adequate cement through the established Administrative Confining Zone 3,288 feet – 3,490 feet. There is no cement to prevent the annulus migration of injection fluids from the authorized Injection Zone. The established Administrative Confining Zone directly overlies the Garden Gulch Member of the Green River Formation.

To determine whether Part II (External) Mechanical Integrity (Part II MI) has been sufficiently demonstrated for this well, two additional Alternative Confining Zones were also identified, Shale "A": 3,600 feet – 3,678 feet and Shale "B": 3,710 feet – 3,788 feet, neither of which contain acceptable annulus cement bond.

UIC Permit UT20798-04317, Balcron Monument Federal No. 42-17-9-17, is being modified to require that the Permittee submit a Radioactive Tracer Survey (RTS) within 180 days of the date of this Permit Modification. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through Administrative Confining Zone 3,288 feet – 3,490 feet. A successful RTS will be considered a valid

confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the maximum authorized surface injection pressure (MAIP). A subsequent RTS shall be required if one of the following events occurs:

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

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

If you have questions regarding the above action, please contact Emmett Schmitz of my staff by calling 303-312-6174, or 1-800-227-8917, extension 312-6174.

Sincerely,



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

cc: Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vic-Chairwoman  
Frances Poowegup, Council Woman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
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> BALCRON MON FED 42-17	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013314670000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1800 FNL 0700 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 17 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/29/2011	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> DRILLING REPORT Report Date:	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER                      OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 09/14/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 09/29/2011 the casing was pressured up to 1310 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1980 psig during the test. There was not an EPA representative available to witness the test.</p> <p style="text-align: center;">EPA# UT20798-04317</p> <div style="text-align: right;"> <p><b>Approved by the Utah Division of Oil, Gas and Mining</b></p> <p><b>Date:</b> <u>10/13/2011</u></p> <p><b>By:</b> </p> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/5/2011	

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

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

EPA Witness: \_\_\_\_\_ Date: 9 / 29 / 11  
 Test conducted by: Tom Van Ausdall  
 Others present: \_\_\_\_\_

Well Name: <u>Bakron Mon. Fnd.</u>	Type: ER SWD	Status: AC TA UC
Field: <u>South Myton Newfield</u>		
Location: <u>42</u> Sec: <u>17</u> T <u>9</u> N/S R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Tom Van Ausdall</u>		
Last MIT: <u>  </u> / <u>  </u> / <u>  </u>	Maximum Allowable Pressure: <u>2060</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

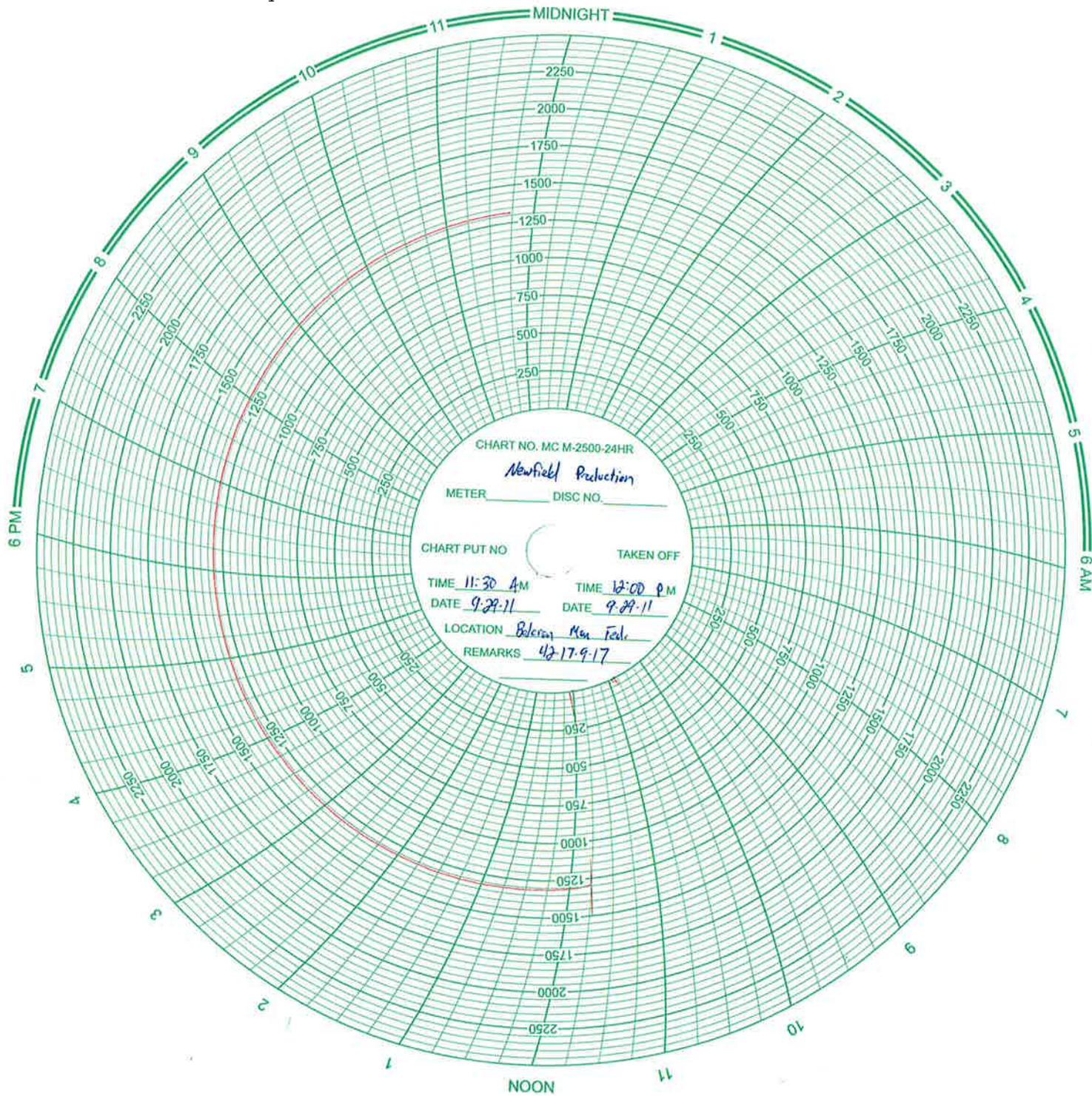
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1980</u> psig	psig	psig
End of test pressure	<u>1980</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1310</u> psig	psig	psig
5 minutes	<u>1310</u> psig	psig	psig
10 minutes	<u>1310</u> psig	psig	psig
15 minutes	<u>1310</u> psig	psig	psig
20 minutes	<u>1310</u> psig	psig	psig
25 minutes	<u>1310</u> psig	psig	psig
30 minutes	<u>1310</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



Spud Date: 11/20/94

# Balcron Monument Federal #42-17

Completion Date: 12/20/94

Initial Production: 40 BO

GL: 5342.1' KB: 5352.1' KB (10' KB)

## Injection Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (362.8')  
 DEPTH LANDED: 374' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl + 1/4 #/sk Cello-Seal

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5696.5')  
 DEPTH LANDED: 5693.5' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 230 sxs Super "G" w/ (40# "G" + 20# Poz A + 17# CSE + 2# Hi-Seal + 1/4 # Cello-Seal)/sk + 3% salt + 2% gel TAILED by 270 sxs 50/50 Poz + 2% gel + 1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

### Tubing Record

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 127 Jts (3886.75')  
 SEAT NIPPLE: 2-7/8"x1.10"  
 ARROW SET 1 PACKER: 2-3/8"x5-1/2"x6.20'  
 PACKER LANDED AT: 3898' KB  
 PKR Set w/ ? Tension

CONVERSION:  
 1.) Tag fill @ 4770' KB  
 2.) TIH w/ RBP & PKRand pump filtered KCL water to establish injection rate into each zone.  
 3.) Replace 2-3/8" tbg with new 2-7/8" tbg from Marta-Co.  
 4.) Pump PKR fluid and Set Arrow Set-1 PKR @ 3898'. Press. test csg to 1000 psi. Good.

PACKER FLUID: Champion Cortron 2383 PKR fluid mixed w/ 62 bbls 2% KCL water. 10/18/96

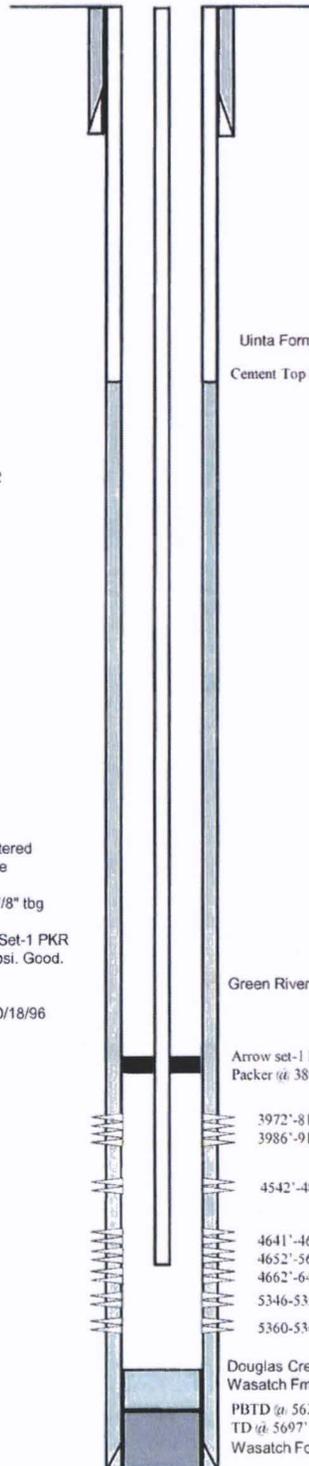
MIT RECORD:

### FRAC JOB

4662' - 4664' 12/8/94 18,312 gal 2% KCl wtr w/ 55,920 # 16/60. ATP-3250 psi, Max-3900 psi, ATR-30 bpm, Max-32 bpm, 4641' - 4646' ISIP-2100 psi, 5min-1950, 10min-1750, 15min-1630, 30min-1300#  
 & 4542' - 4548'  
 3986' - 3991' 12/12/94 13,566 gal 2% KCl gel w/ 37,142# & 3972' - 3981' 16/30. ATP-2600psi, Max-2800 psi, ATR-30.9 bpm, Max-31.9 bpm, ISIP-2300 psi, 5min-2130, 10min-1980 psi, 15min-1860, 30min-1620#

### ACID JOB / BREAKDOWN JOB

4662' - 4664' 12/8/94 1974 gal 2% KCl wtr w/ 28 ball & 4652' - 4656', 4641' - 4646' sealers. Balled Off. ATP-3400#, Max-4950#, ATR-4.5 bpm, ISIP-1300 psi  
 & 4542' - 4548'  
 3986' - 3991' 12/10/94 2604 gal 2% KCl wtr w/ 112 ball & 3972' - 3981' sealers. Good ball action. ATP-2000psi, Max-3800psi, ATR-5 bpm, Max-5.4 bpm, ISIP-1400 psi  
 10/16/06 5 Year MIT completed & submitted.



Uinta Formation Surface to 1450 ft.

Cement Top 2180' KB

Green River Formation 1450 to 5400 ft.

Arrow set-1 Packer Packer @ 3898'

3972'-31'

3986'-91'

4542'-48'

4641'-46'

4652'-56'

4662'-64'

5346-5356' new

5360-5368' new

Douglas Creek Member 4550 to 5400 ft.  
Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5626'

TD @ 5697'

Wasatch Formation 5950 ft.

### PERFORATION RECORD

Depth	Date	Type	Length	Holes
3972' - 3981'	12/10/94	Y2	4 SPF 9 ft	36 holes
3986' - 3991'	12/10/94	Y2	4 SPF 5 ft	20 holes
4542' - 4548'	12/8/94	R2	7 holes	
4641' - 4646'	12/8/94	R5	3 holes	
4652' - 4656'	12/8/94	R5	2 holes	
4662' - 4664'	12/8/94	R5	2 holes	
5346-5356	11/20/08	4 JSPF	40 holes	
5360-5368	11/20/08	4 JSPF	32 holes	

NEWFIELD

Balcron Monument Federal #42-17  
 1800' FNL 700' FEL  
 SE NE Section 17-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31467; Lease #UTU-72106

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> BALCRON MON FED 42-17
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013314670000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1800 FNL 0700 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 17 Township: 09.0S Range: 17.0E 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: 8/30/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 08/30/2016 the casing was pressured up to 1243 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1026 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04317

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 06, 2016**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/1/2016	

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

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

EPA Witness: \_\_\_\_\_ Date: 8/30/2016

Test conducted by: EVERETT UNRUH

Others present: \_\_\_\_\_

Well Name: <u>BALCRON MON. FED. 42-17-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>MONUMENT BUTTE</u>		
Location: <u>SENE</u> Sec: <u>17</u> T <u>9</u> N <u>15</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>Ut</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1/1</u>	Maximum Allowable Pressure: <u>1718</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0/1029 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1029</u> psig	psig	psig
End of test pressure	<u>1026</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1242</u> psig	psig	psig
5 minutes	<u>1243</u> psig	psig	psig
10 minutes	<u>1243</u> psig	psig	psig
15 minutes	<u>1243</u> psig	psig	psig
20 minutes	<u>1243</u> psig	psig	psig
25 minutes	<u>1243</u> psig	psig	psig
30 minutes	<u>1243</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

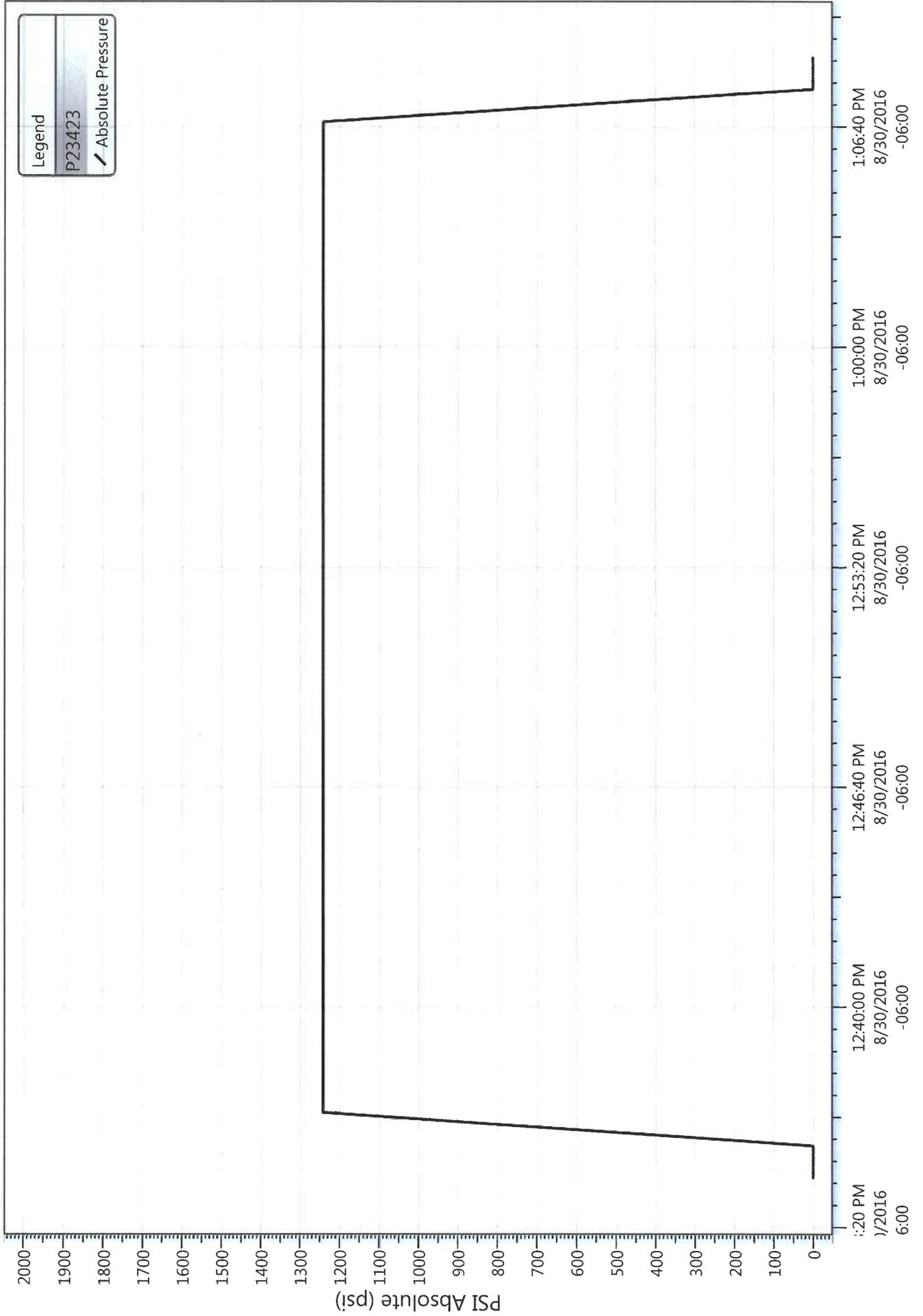
### MECHANICAL INTEGRITY PRESSURE TEST

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

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

Balcron Mon. Fed. 42-17-9-17 (8/30/2016, 5yr. MIT)

8/30/2016 12:33:54 PM



WELL NAME: **BALCRON MONUMENT FED. #42-17**

DATE : 11/11/95 vk

FIELD: Monument Butte (Beluga Unit)

FEDERAL LEASE NO.: UTU-72106

API NO.: 43-013-31467

LOCATION: SE NE Sec.17, T9S, R17E

FOOTAGE: 1800' FNL, 700' FEL

COUNTY/STATE: Duchesne County, Utah

WORKING INTEREST: 0.91491728

NET REVENUE INTEREST: 0.80471769 Oil

0.73108274 Gas

PRODUCING FORMATION: Green River

COMPLETION DATE: 12/20/94

SPUD DATE: 11/20/94

INITIAL PRODUCTION: 40 BO

OIL/GAS PURCHASER: AMOCO

OIL GRAVITY: 34

PRESENT PROD STATUS: Prod

BHT:

ELEVATIONS - GROUND: 5342.1' GL

KB: 5352.1' KB (10' KB)

TOTAL DEPTH: 5697' KB

PLUG BACK TD: 5626' KB

**SURFACE CASING**

STRING: 1  
 CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (362.8')  
 DEPTH LANDED: 374' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl  
 + 1/4 #/sk Cello-Seal

**TUBING RECORD**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 128 jts (3922.86')  
 TUBING ANCHOR: 2.35'  
 NO. OF JOINTS: 24 jts (757.22')  
 SEATING NIPPLE: 2 7/8" x 1.1'  
 PERFORATED SUB: 2 7/8" x 4.2'  
 MUD ANCHOR: 2 7/8" x 27.93'  
 TOTAL STRING LENGTH: 4715.66'  
 SN LANDED AT: 4693.53' KB  
 EOT: 4725.66' KB

**SUCKER ROD RECORD**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 188 - 3/4" x 25' Plain

TOTAL ROD STRING LENGTH: 4716.5'

PUMP NUMBER: #1047 (Trico)  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
 w/ PA plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6.25 SPM  
 PUMPING UNIT SIZE: LUFKIN LM 228D-213-86T  
 PRIME MOVER: AJAX E-42

LOGS: Compensated Neutron-LithoDensity,  
 CBL-GammaRay, Collar Log,  
 Dual Laterolog

**PRODUCTION CASING**

STRING: 1  
 CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5696.5')  
 DEPTH LANDED: 5693.5' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 230 sxs Super "G" w/ (40# "G"  
 + 20# Poz A + 17# CSE +  
 2# Hi-Seal + 1/4 # Cello-Seal/sk  
 + 3% salt + 2% gel TAILED by  
 270 sxs 50/50 Poz + 2% gel +  
 1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

**PERFORATION RECORD**

3972' - 3981'	12/10/94	Y2	4 SPF	9 ft	36 holes
3986' - 3991'	12/10/94	Y2	4 SPF	5 ft	20 holes
4542' - 4548'	12/8/94	R2			7 holes
4641' - 4646'	12/8/94	R5			3 holes
4652' - 4656'	12/8/94	R5			2 holes
4662' - 4664'	12/8/94	R5			2 holes

**ACID JOB / BREAKDOWN JOB**

4662' - 4664'	12/8/94	1974 gal 2% KCl wtr w/ 28 ball sealers. Balled Off. ATP-3400#, Max-4950#, ATR-4.5 bpm, ISIP-1300 psi
& 4652' - 4656', 4641' - 4646' & 4542' - 4548'		
3986' - 3991'	12/10/94	2604 gal 2% KCl wtr w/ 112 ball sealers. Good ball action. ATP-2000psi, Max-3800psi, ATR-5 bpm, Max-5.4 bpm, ISIP-1400 psi
& 3972' - 3981'		

**FRAC JOB**

CONTINUED ON NEXT PAGE



**BALCRON MONUMENT FED. #42-17**  
**SE NE Sec.17, T9S, R17E**  
**1800' FNL, 700' FEL**  
**Monument Butte (Beluga Unit)**  
**Duchesne County, Utah**

**WELL DATA CONTINUED**  
**PAGE TWO**

**FRAC JOB**

---

4662' - 4664' & 4652' - 4656' 4641' - 4646' & 4542' - 4548'	12/8/94	18,312 gal 2% KCl wtr w/ 55,920 # 16/60. ATP-3250 psi, Max-3900 psi, ATR-30 bpm, Max-32 bpm, ISIP-2100 psi, 5min-1950, 10min- 1750, 15min-1630, 30min-1300#
3986' - 3991' & 3972' - 3981'	12/12/94	13,566 gal 2% KCl gel w/ 37,142# 16/30. ATP-2600psi, Max-2800 psi, ATR-30.9 bpm, Max-31.9 bpm, ISIP-2300 psi, 5min-2130, 10min- 1980 psi, 15min-1860, 30min-1620#

Elev.GR - 53421.1' GL  
Elev.KB - 5352.1' KB (10' KB)

**WELLBORE DIAGRAM**

DATE : 11/11/95 vk

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts (362.8')  
DEPTH LANDED: 374' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl  
+ 1/4 #/sk Cello-Seal

374' KB

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 131 jts (5696.5')  
DEPTH LANDED: 5693.5' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 230 sxs Super "G" w/ (40# "G"  
+ 20# Poz A + 17# CSE +  
2# Hi-Seal + 1/4 # Cello-Seal)/sk  
+ 3% salt + 2% gel TAILED by  
270 sxs 50/50 Poz + 2% gel +  
1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 128 jts (3922.86')  
TUBING ANCHOR: 2.35'  
NO. OF JOINTS: 24 jts (757.22')  
SEATING NIPPLE: 2 7/8" x 1.1'  
PERFORATED SUB: 2 7/8" x 4.2'  
MUD ANCHOR: 2 7/8" x 27.93'  
STRING LENGTH: 4715.66'  
SN LANDED AT: 4693.53' KB  
EOT : 4725.86' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 188 - 3/4" x 25' Plain

STRING LENGTH: 4716.5'

PUMP NUMBER: #1047 (Trico)  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
w/ PA plunger

STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6.25 SPM  
PUMPING UNIT: LUFKIN LM 228D-213-86T  
PRIME MOVER: AJAX E-42

LOGS: Compensated Neutron-LithoDensity,  
CBL-GammaRay, Collar Log,  
Dual Laterolog

**ACID JOB /BREAKDOWN**

4662' - 4664'	12/8/94	1974 gal 2% KCl wtr w/ 28 ball sealers. Balled Off. ATP-3400#, Max-4950#, ATR-4.5 bpm, ISIP-1300 psi
& 4652' - 4656', 4641' - 4646' & 4542' - 4548'		
3986' - 3991'	12/10/94	2804 gal 2% KCl wtr w/ 112 ball sealers. Good ball action. ATP-2000psi, Max-3800psi, ATR-5 bpm, Max-5.4bpm, ISIP-1400 psi
& 3972' - 3981'		

**FRAC JOB**

4662' - 4664'	12/8/94	18,312 gal 2% KCl wtr w/ 55,920 # 16/60. ATP-3250 psi, Max-3900 psi, ATR-30 bpm, Max-32 bpm, ISIP-2100 psi, 5min-1950, 10min-1750, 15min-1630, 30min-1300#
& 4652' - 4656', 4641' - 4646' & 4542' - 4548'		
3986' - 3991'	12/12/94	13,566 gal 2% KCl gel w/ 37,142# 16/30. ATP-2600 psi, Max-2800 psi, ATR-30.9 bpm, Max-31.9 bpm, ISIP-2300 psi, 5min-2130, 10min-1980 psi, 15min-1860, 30min-1620#
& 3972' - 3981'		

TOC @ 2180' KB

**PERFORATION RECORD**

3972' - 3981'	12/10/94	Y2	4 SPF	9 ft	36 holes
3986' - 3991'	12/10/94	Y2	4 SPF	5 ft	20 holes
4542' - 4548'	12/8/94	R2			7 holes
4641' - 4646'	12/8/94	R5			3 holes
4652' - 4656'	12/8/94	R5			2 holes
4662' - 4664'	12/8/94	R5			2 holes

3972' - 3981'  
3986' - 3991'

4641' - 4646'  
4652' - 4656'  
4662' - 4664'

SN LANDED @ 4693' KB

EOT LANDED @ 4726' KB

PBTD @ 5626' KB  
TD @ 5697' KB



BALCRON MONUMENT FED. #42-17  
 SE NE Sec.17, T9S, R17E  
 1800' FNL, 700' FEL  
 Lease #UTU-72106  
 Monument Butte Field (Beluga Unit)  
 Duchesne County, Utah

Elev.GR - 53421.1' GL  
 Elev.KB - 5352.1' KB (10' KB)

Proposed Injection Wellbore Diagram

DATE: 3/22/96 JZ

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (362.8')  
 DEPTH LANDED: 374' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl  
 + 1/4 #/sk Cello-Seal

374' KB

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5696.5')  
 DEPTH LANDED: 5693.5' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 230 sxs Super "G" w/ (40# "G"  
 + 20# Poz A + 17# CSE +  
 2# Hi-Seal + 1/4 # Cello-Seal)/sk  
 + 3% salt + 2% gel TAILED by  
 270 sxs 50/50 Poz + 2% gel +  
 1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

TOC @ 2180' KB

**PERFORATION RECORD**

3972' - 3981'	12/10/94	Y2	4 SPF	9 ft	36 holes
3986' - 3991'	12/10/94	Y2	4 SPF	5 ft	20 holes
4542' - 4548'	12/8/94	R2			7 holes
4641' - 4646'	12/8/94	R5			3 holes
4652' - 4656'	12/8/94	R5			2 holes
4662' - 4664'	12/8/94	R5			2 holes

Green River Formation 1450 to 5400 ft.

ARROW SET-1 PACKER  
 SET AT 3912' KB

3972' - 3981'  
 3986' - 3991'

4641' - 4646'  
 4652' - 4656'  
 4662' - 4664'

Douglas Creek Member 4550 to 5400 ft.  
 Wasatch Fm. Transition 5400 to 5950 ft.

PBD @ 5626' KB  
 TD @ 5697' KB

Wasatch Formation 5950 ft.

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 3902'  
 SEAT NIPPLE: 2-7/8" X 1.1'  
 ARROW SET 1 PACKER: 5-1/2" X 4"  
 PACKER LANDED AT: 3912' KB



BALCRON MONUMENT FED. #42-17  
 SE NE Sec.17, T9S, R17E  
 1800' FNL, 700' FEL  
 Lease #UTU-72106  
 Monument Butte Field (Beluga Unit)  
 Duchesne County, Utah

Elev.GR - 53421.1' GL  
 Elev.KB - 5352.1' KB (10' KB)

**Proposed Plugging & Abandonment Diagram**

DATE : 3/22/96 JZ

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (362.8')  
 DEPTH LANDED: 374' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class "G" w/ 2% CaCl  
 + 1/4 #/sk Cello-Seal

374' KB

Permanent P&A marker w/ identifying well information.

**Plug No.2 Surface to 474 ft.**  
 Perforate csg at 100 ft below  
 the surface csg shoe & circulate  
 100 sx of Class-G Cement

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5696.5')  
 DEPTH LANDED: 5693.5' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 230 sxs Super "G" w/ (40# "G"  
 + 20# Poz A + 17# CSE +  
 2# Hi-Seal + 1/4 # Cello-Seal)/sk  
 + 3% salt + 2% gel TAILED by  
 270 sxs 50/50 Poz + 2% gel +  
 1/4 #/sk Cello-Seal + 2#/sk HiSeal2

CEMENT TOP AT: 2180' KB

Uinta Formation Surface to 1450 ft.

TOC @ 2180' KB

**PERFORATION RECORD**

3972' - 3981'	12/10/94	Y2	4 SPF	9 ft	36 holes
3986' - 3991'	12/10/94	Y2	4 SPF	5 ft	20 holes
4542' - 4548'	12/8/94	R2	7 holes		
4641' - 4646'	12/8/94	R5	3 holes		
4652' - 4656'	12/8/94	R5	2 holes		
4662' - 4664'	12/8/94	R5	2 holes		

Green River Formation 1450 to 5400 ft.

3972' - 3981'  
 3986' - 3991'

**Plug No.1 TD to 3672 ft.**  
 260 sx of Class-G Cement

4641' - 4646'  
 4652' - 4656'  
 4662' - 4664'

Douglas Creek Member 4550 to 5400 ft.  
 Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5626' KB  
 TD @ 5697' KB

Wasatch Formation 5950 ft.

**PLUGGING PROCEDURE**

Enter the well w/lbg and wash to TD. If the well is not dead, circulate mud with sufficient weight to kill the well. Pump a balanced cement plug using 260 sacks across the Douglas Creek Member of the Green River Formation from TD to at least 300 ft above the upper most perms. The production csg will be perforated for two feet using 4 SPF at a point 100 ft below the surface csg shoe. Circulation will be established to surface and cement will be circulated to fill the production csg & the annulus from the perforations to surface using 100 sx of class-G cement. The top of the second cement plug will be at the surface & the bottom will be 100 ft below the surface csg shoe. A P&A marker will be set to identify the location.