EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

RECEIVED
AUG 19 1994
DIV. OF OIL, GAS & MINING

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

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 thess wells be held tight for the maximum period allowed by Federal and State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining

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

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [x] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: NE NE Section 17, T9S, R17E 660' FNL, 660' FEL
At proposed prod. zone:

5. 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.: #41-17

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

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 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, RT, GR, etc.): 5335.6' 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 Drilling Program/Casing Design				

Operator intends to drill this well in accordance with the attached Exhibits. 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 _____

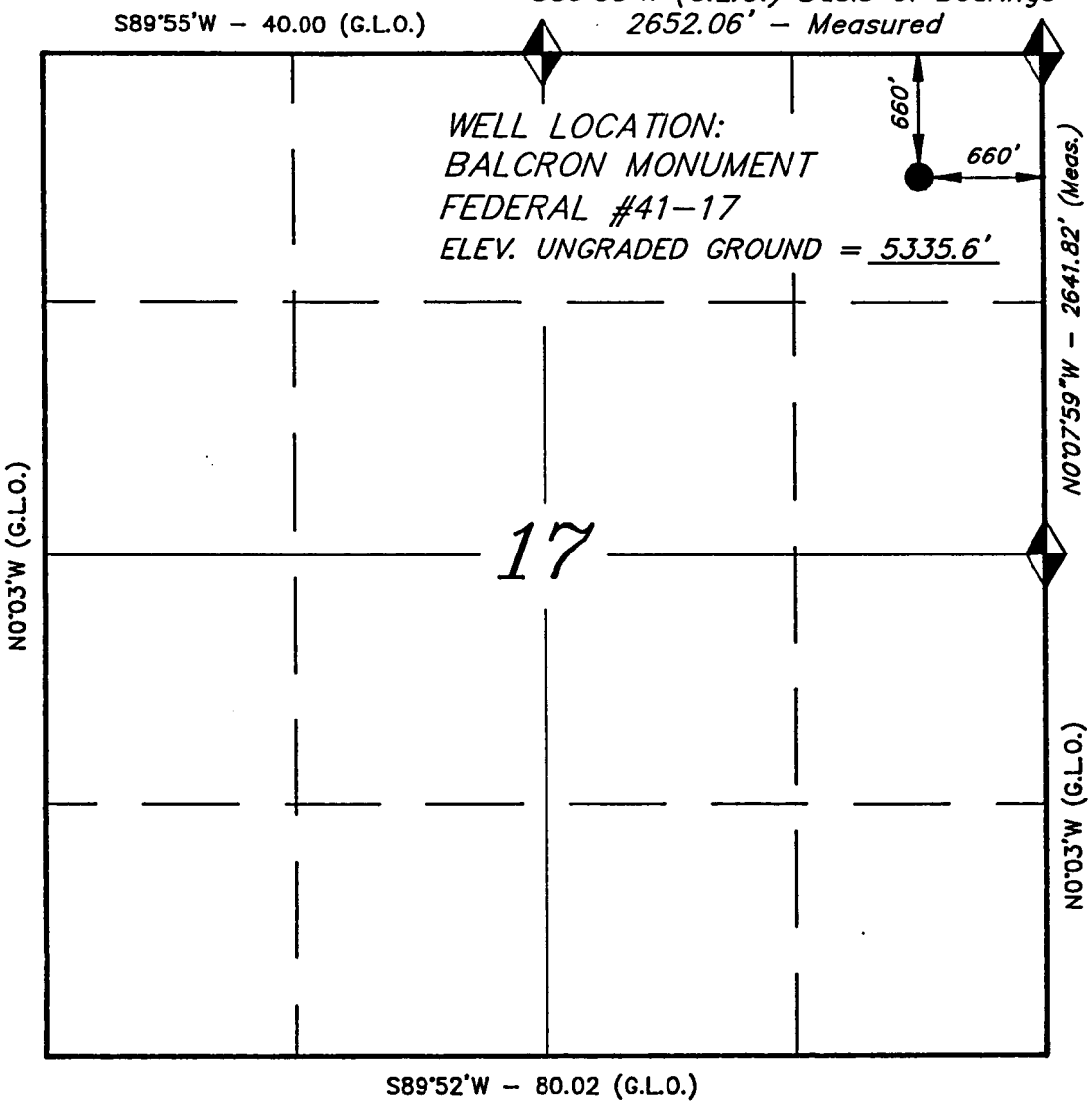
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

EXHIBIT "K"

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



= 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)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #41–17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 17, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

N

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

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

STATE OF UTAH
No. 189377
STACY W. STEWART

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

SCALE: 1" = 1000'	SURVEYED BY: G.S. R.H.
DATE: 8–3–94	WEATHER: HOT
NOTES:	FILE #41--17

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

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

Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name	BALCRON MONUMENT FEDERAL #41-17	Exploratory		Control Well	BMF #31-17
Location	NENE SEC 17-T9S-R17E, 660' FNL, 660' FEL	Development	X	Operator	EREC-BOD
County	DUCHESNE	Field	MON BUTTE	KB	5369
State	UTAH	Section	NENE 17	Section	NWNE 17
Total Depth	5700	Township	9S	Township	9S
GL (Ung)	5335.6 EST. KB 5344	Range	17E	Range	17E

Formation Tops	Prognosis		Sample Top		Control Well	High/Low		
Formation	Depth	Datum	Depth	Datum	Datum	Prog	Cntl	Deviation
UINTA	SURFACE							
GREEN RIVER	1409	3935			3949			
HORSEBENCH SS	2109	3235			3249			
2ND GARDEN GULCH	3714	1630			1644			
Y-2 SAND (PAY)	4003	1341			1355			
YELLOW MARKER	4310	1034			1048			
DOUGLAS CREEK	4494	850			864			
R-2 SAND (PAY)	4574	770			784			
R-5 SAND (PAY)	4667	677			691			
2ND DOUGLAS CREEK	4727	617			631			
GREEN MARKER	4860	484			498			
CARBONATE MARKER	5351	-7			7			
B-1 SAND (PAY	5390	-46			-32			
TD	5700							

Samples

50' FROM 1350' TO 3800'
10' FROM 3800' TO TD

DST,s

DST #1 NONE
DST #2
DST #3
DST #4

Wellsite Geologist

Name:
From: to:
Address:
Phone # wk.
hm.
Fax #

Logs

DLL FROM SURF CSG TO TD
LDT/CNL FROM 3500' TO TD

Cores

Core #1 NONE
Core #2
Core #3
Core #4

Mud Logger/Hot Wire

Company:
Required: (Yes/No) YES
Type: TWO MAN
Logger:
Phone #
Fax #

Comments:

Report To:	1st Name: DAVE BICKERSTAFF	Phone # 406) 259-7860	wk. 245-2261	hm.
	2nd Name: KEVEN REINSCHMIDT	Phone # "	wk. 248-7026	hm.
Prepared By:	KEVEN REINSCHMIDT 8/4/94	Phone #	wk.	hm.

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Balcron Monument Fed. 41-17 PROSPECT/FIELD: Monument Butte
LOCATION: NE NE Sec. 17 Twn. 9S 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

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

(All Casing will be new, ST&C)

CEMENT PROGRAM

Surface	150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele. (Cement will be circulated to surface.)
Production	180 sacks Western Super G consisting of 47 #/sk G, 20 #/sk Poz A, 17 #/sk CSE, 3% salt, 2% gel, and 2 #/sk Hi-Seal. (Yield=2.76 Cu.Ft./Sk Weight=11.08 PPG) Tailed with 300 sacks 50-50 Poz with 2% gel, 1/4 #/sk Cello-seal and 2 #/sk Hi-seal.Yield=1.24 Cu.Ft./Sk Weight=14.30 PPG) a.) Actual cement volume will be determined from caliper log. b.) Actual cement top will be specified in conditions of approval.

PRELIMINARY
DRILLING FLUID PROGRAM

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

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

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

DMM/8/10/94

BALCRON OIL CO.

Operator: BALCRON OIL	**Well Name: Monument Fed.41-17**
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)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension 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 guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

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

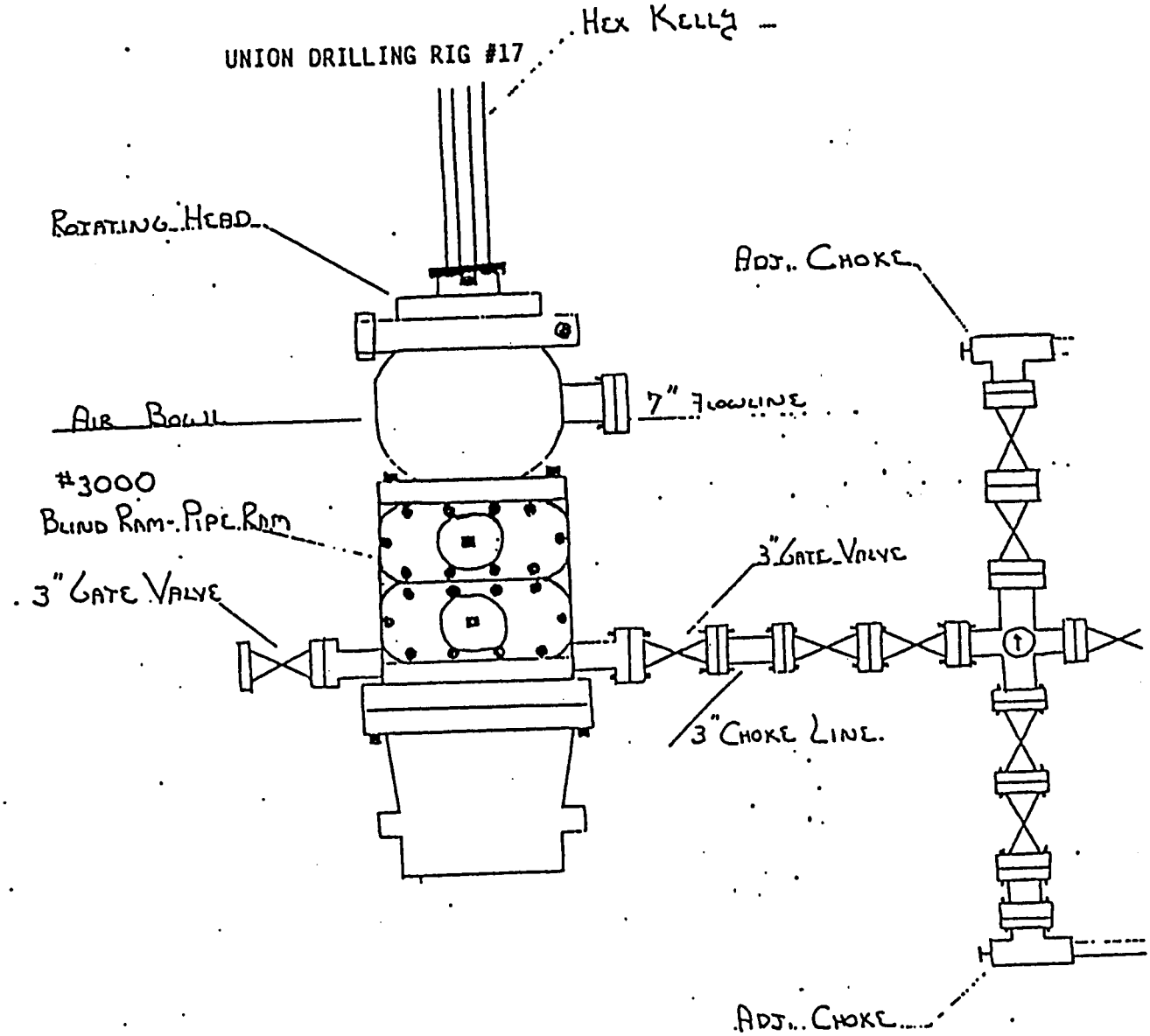
We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

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

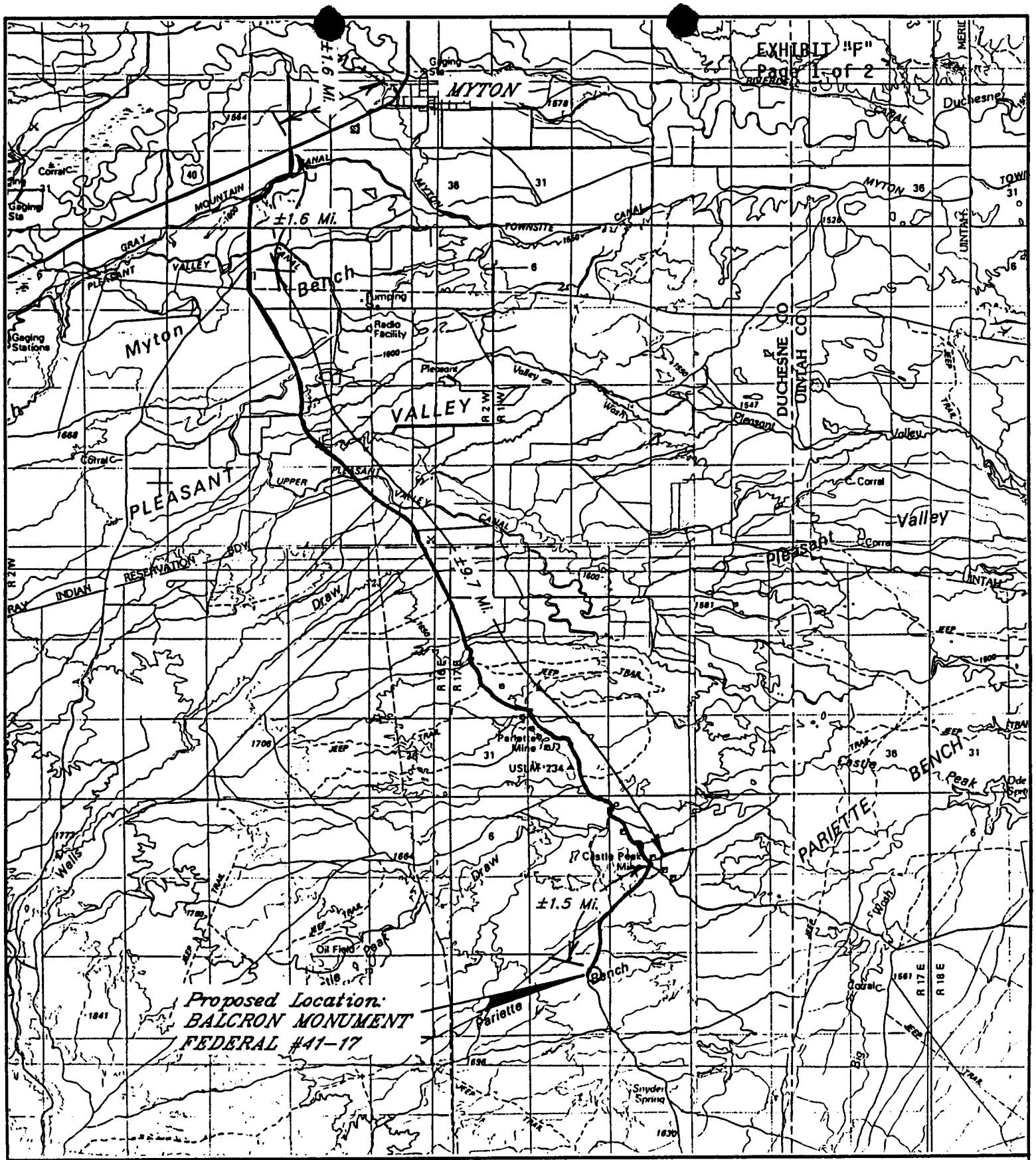
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

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

EXHIBIT "H"



#3000 STACK

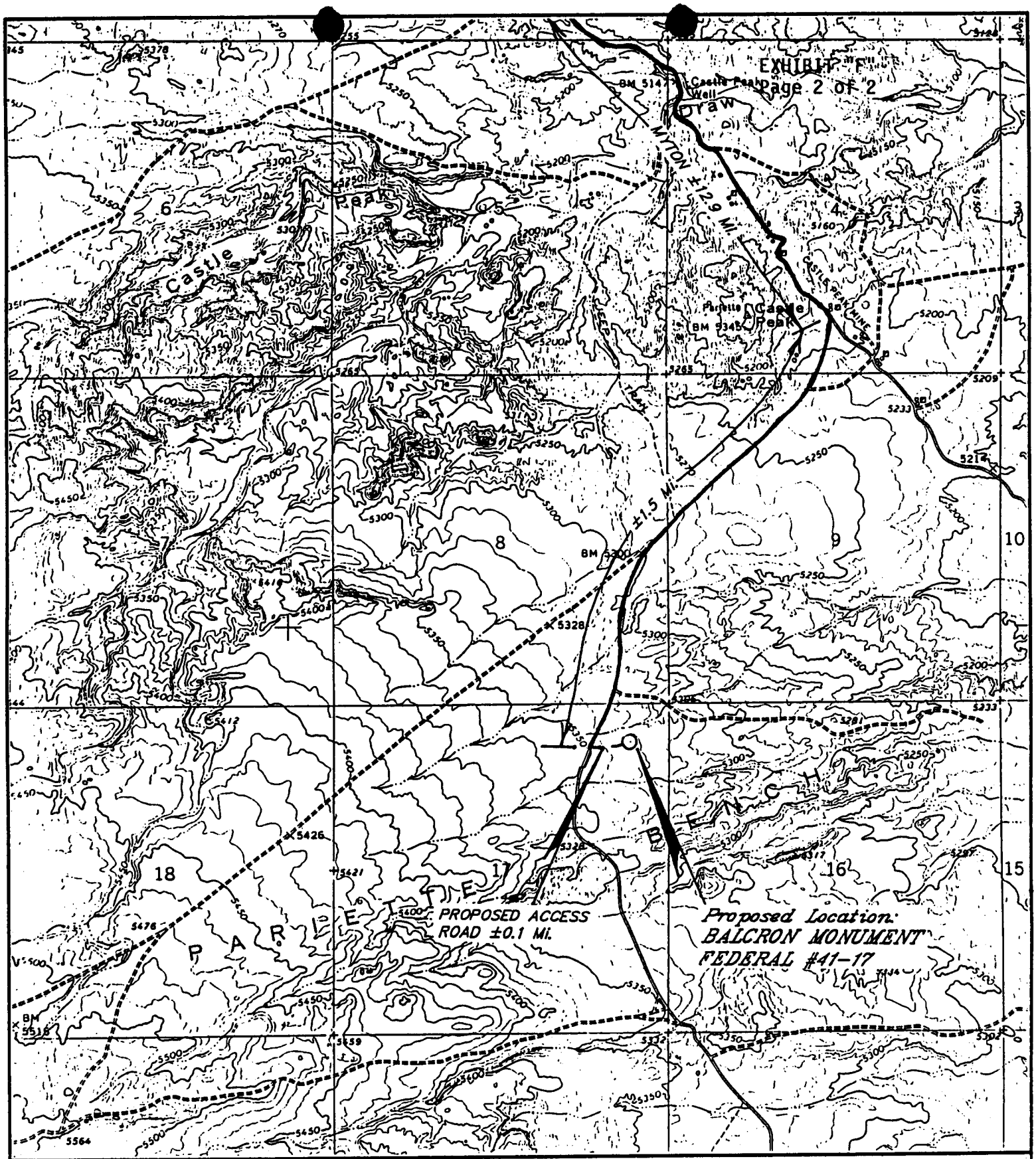


EQUITABLE RESOURCES CO.

BALCRON MONUMENT FEDERAL #41-17
SECTION 17, T9S, R17E, S.L.B.&M.
TOPO "A"

N

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



EQUITABLE RESOURCES CO.

BALCRON MONUMENT FEDERAL #41-17
SECTION 17, T9S, R17E, S.L.B.&M.
TOPO "B"

N

SCALE: 1" = 2000'

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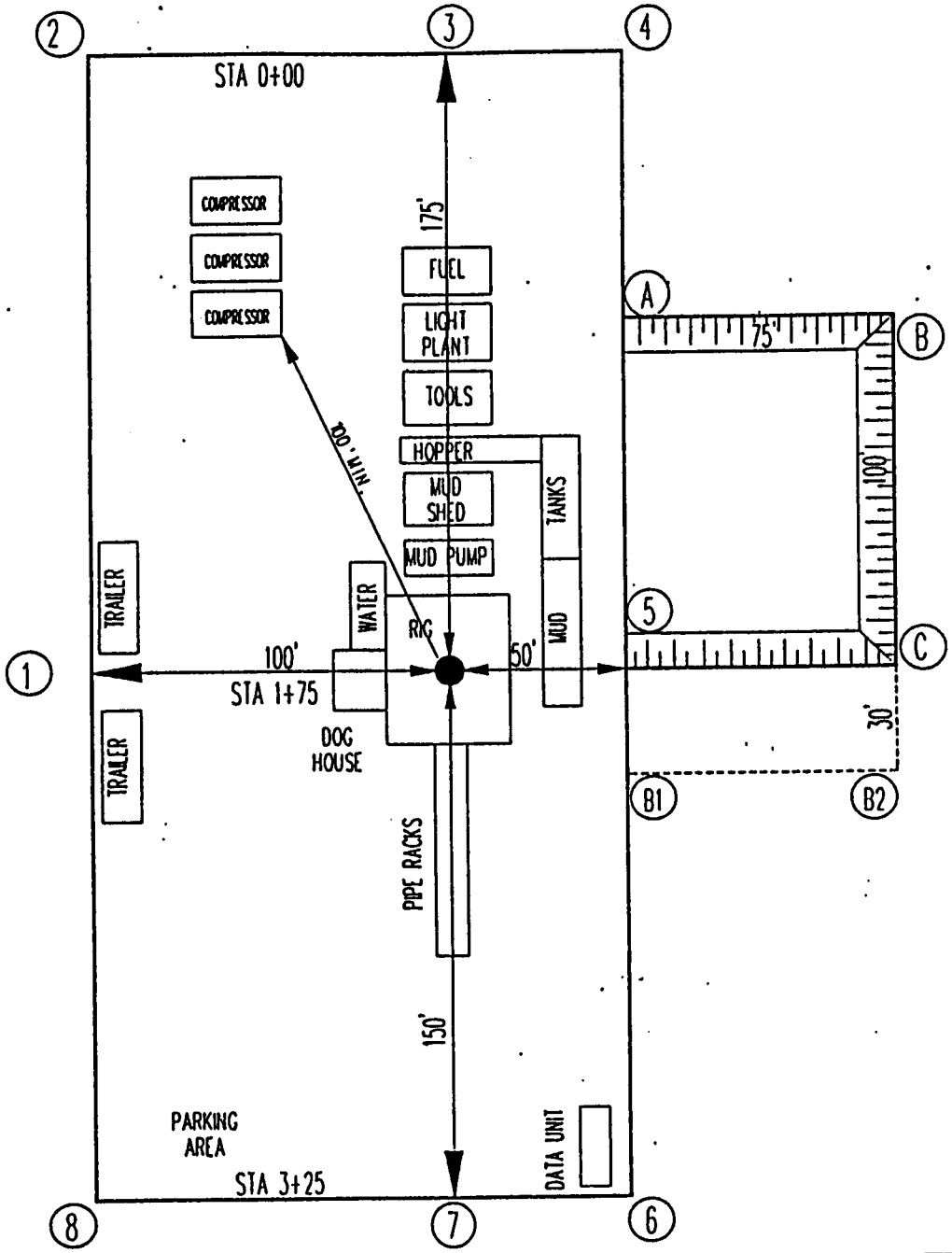
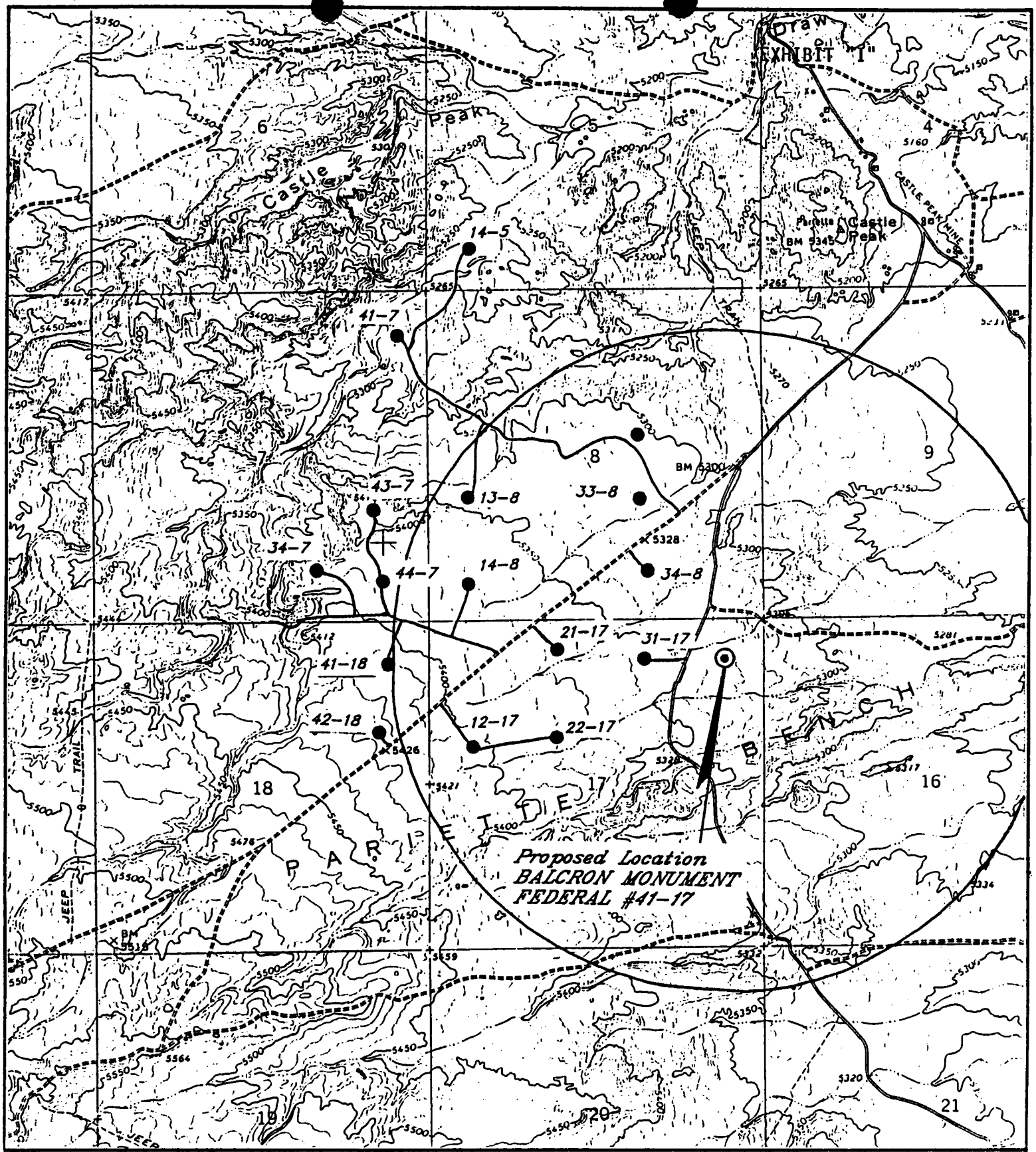
EXHIBIT "G"

EQUITABLE RESOURCES ENERGY CO.

WELLSITE LAYOUT



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



EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #41-17
SECTION 17, T9S, R17E, S.L.B.&M.
TOPO "C"

N

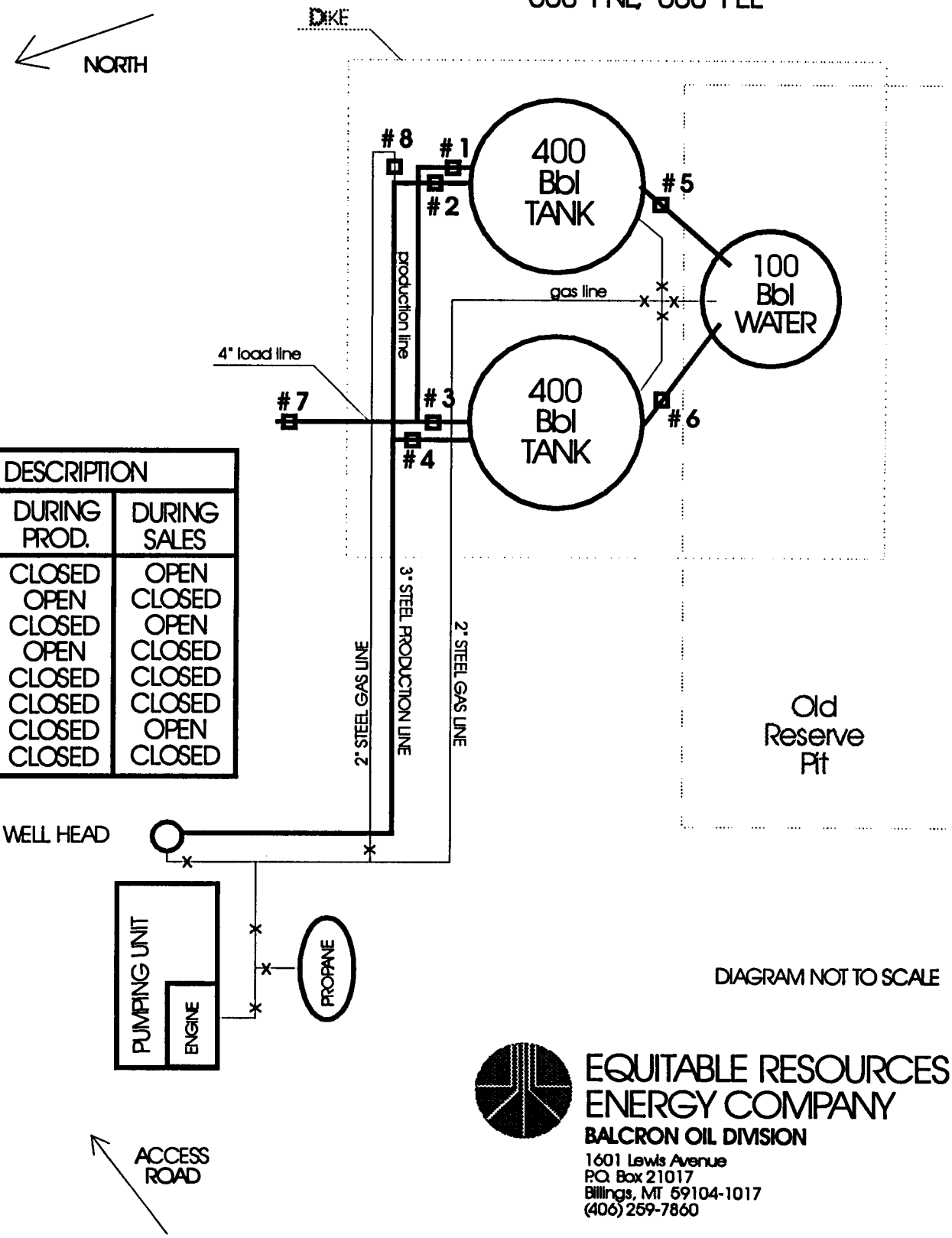
SCALE: 1" = 2000'

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

Equitable Resources Energy Company
Balcron Monument Federal 41-17
Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 41-17
NE NE Sec. 17, T9S, R17E
Duchesne County, Utah
Federal Lease #UTU-72106
660' FNL, 660' FEL



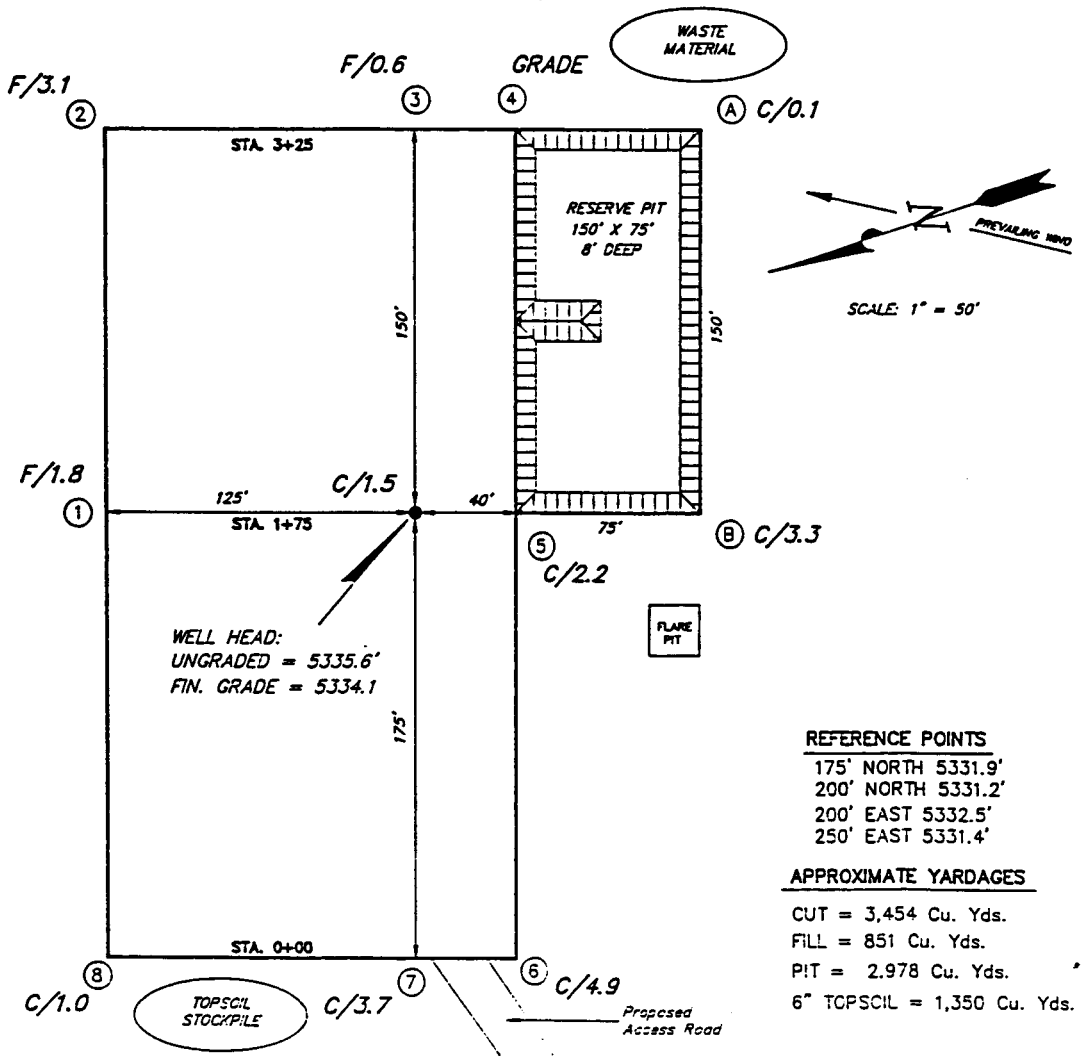
VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN
VALVE #8	CLOSED	CLOSED

DIAGRAM NOT TO SCALE

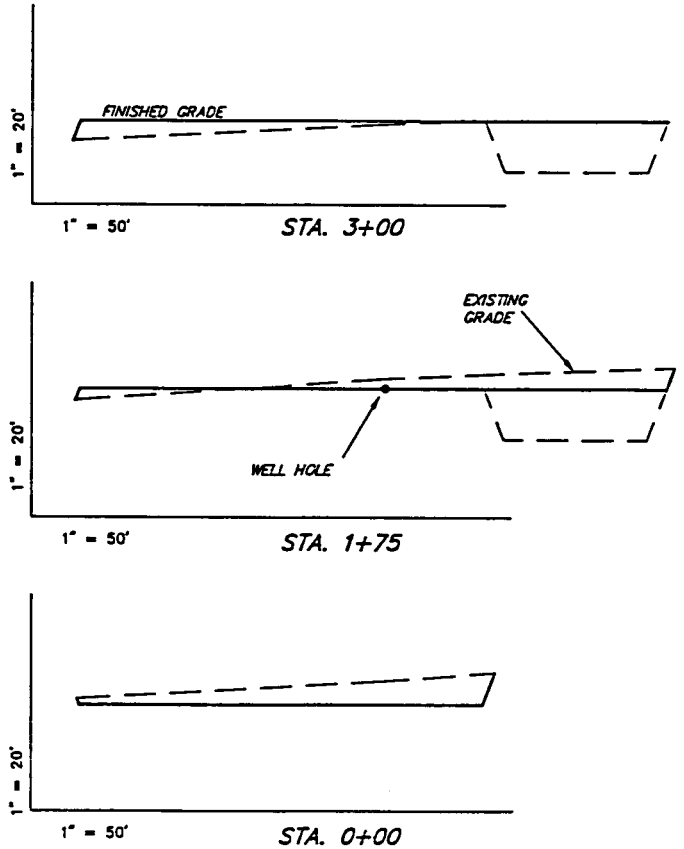
EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #41-17



SCALE: 1" = 50'



REFERENCE POINTS

175' NORTH 5331.9'
200' NORTH 5331.2'
200' EAST 5332.5'
250' EAST 5331.4'

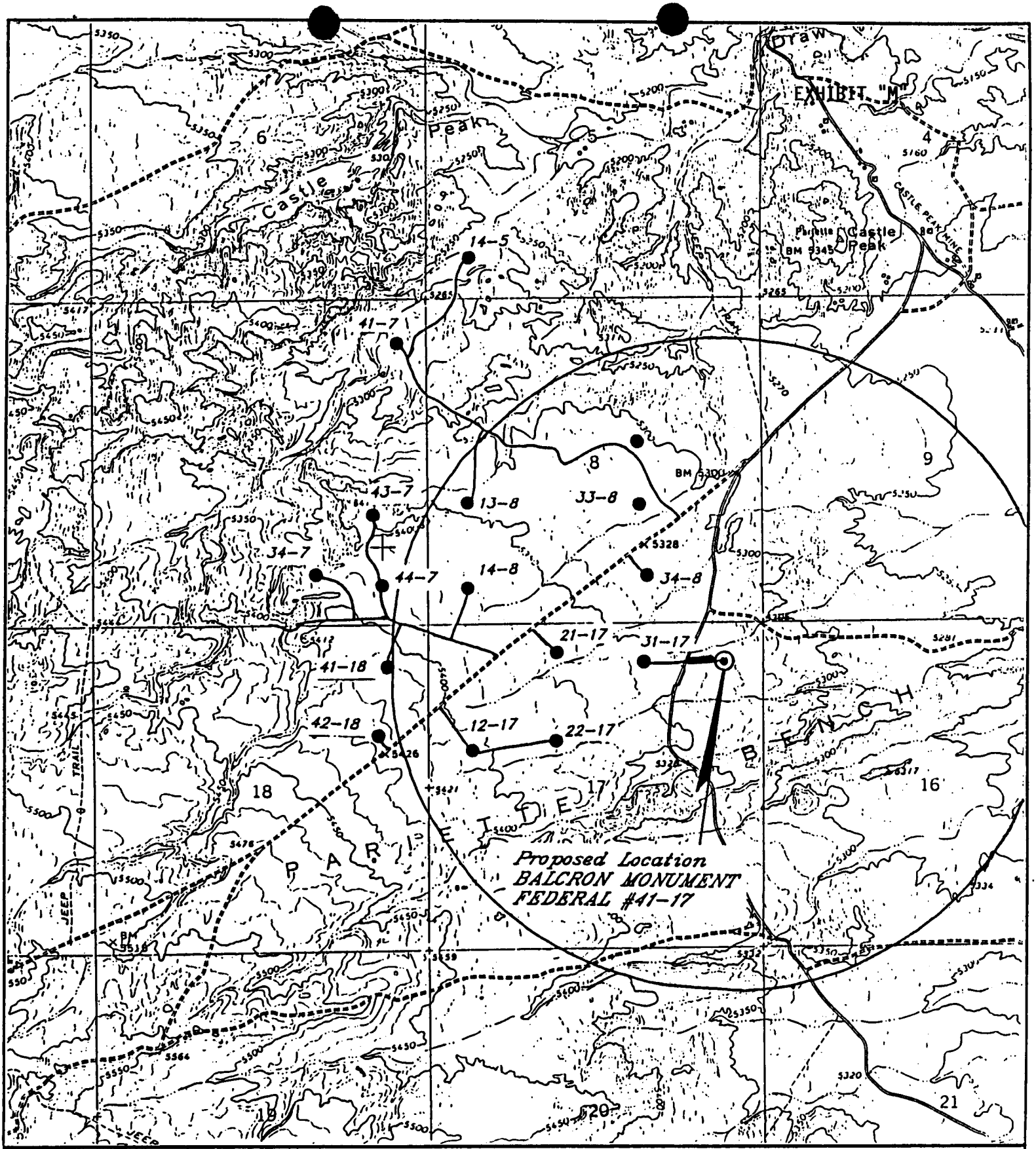
APPROXIMATE YARDAGES

CUT = 3,454 Cu. Yds.
FILL = 851 Cu. Yds.
PIT = 2,978 Cu. Yds.
6" TOPSOIL = 1,350 Cu. Yds.

FILENAME: 41-17

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

EXHIBIT "L"



EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #41-17
SECTION 17, T9S, R17E, S.L.B.&M.
TOPO "C"

N

SCALE: 1" = 2000'

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

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #41-17
NE 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 #41-17
NE 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 1.5 miles to proposed access road sign. Follow flags 0.1 mile to location.

   b. Existing roadways need no improvements for these drilling operations.

   c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.

   d. See EXHIBIT "F" Maps A and B for access route.

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

   a. Length: Approximately 0.1 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 #7.

i. All pits will be fenced according to the following minimum standards:

a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.

b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.

c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard

steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16′.

d. All wire will be stretched before it is attached to the corner posts.

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

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 line proposed for the Balcron Monument Federal #42-17. See that Application for Permit to Drill for that route. 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

FORM 3

CONFIDENTIAL

RECEIVED
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

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. Farm or Lease Name: Balcron Monument Federal

9. Well No.: #41-17

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

11. QQ, Sec., T., R., M., or Blk. and Survey or Area: NE NE Sec. 17, R9S, R17E

12. County or Parrish: Duchesne

13. State: UTAH

1a. Type of Work: DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. Type of Well: Oil Well ☒ Gas Well ☐ Other Single Zone ☐ Multiple Zone ☐

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: NE NE Section 17, T9S, R17E 660' FNL, 660' 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. 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, RT, GR, etc.): GL 5335.6'

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

(This space for Federal or State office use)

API NO. 43-013-31466

Approval Date

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING
DATE: 9/28/94
BY: [illegible]
WELL SPACING: R649-3-2

Approval by: Title: Date:
Conditions of approval, if any:

(3/89) *See Instructions On Reverse Side

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/19/94

API NO. ASSIGNED: 43-013-31466

WELL NAME: BALCRON MONUMENT FED 41-17
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:
NENE 17 - T09S - R17E
SURFACE: 0660-FNL-0660-FEL
BOTTOM: 0660-FNL-0660-FEL
DUCHESNE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED
LEASE NUMBER: UTU-72106

PROPOSED PRODUCING FORMATION: GRRV

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

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

___ R649-2-3. Unit: ___

✓ R649-3-2. General.

___ R649-3-3. Exception.

___ Drilling Unit.
Board Cause no: ___
Date: ___

COMMENTS:

CONFIDENTIAL PERIOD EXPIRED ON 1-14-96

STIPULATIONS:

STATE OF UTAH

Operator: BALCRON OIL	Well Name: BALCRON MON. FED. 41
Project ID: 43-013-31466	Location: SEC. 17 - T09S - R17E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
Shut in surface pressure : 2311 psi
Internal gradient (burst) : 0.057 psi/ft
Annular gradient (burst) : 0.000 psi/ft
Tensile load is determined using buoyed weight
Service rating is "Sweet"

Design Factors:

Collapse : 1.125
Burst : 1.00
8 Round : 1.80 (J)
Buttress : 1.60 (J)
Other : 1.50 (J)
Body Yield : 1.50 (B)

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	5,700	5.500	15.50	K-55	ST&C	5,700	4.825	

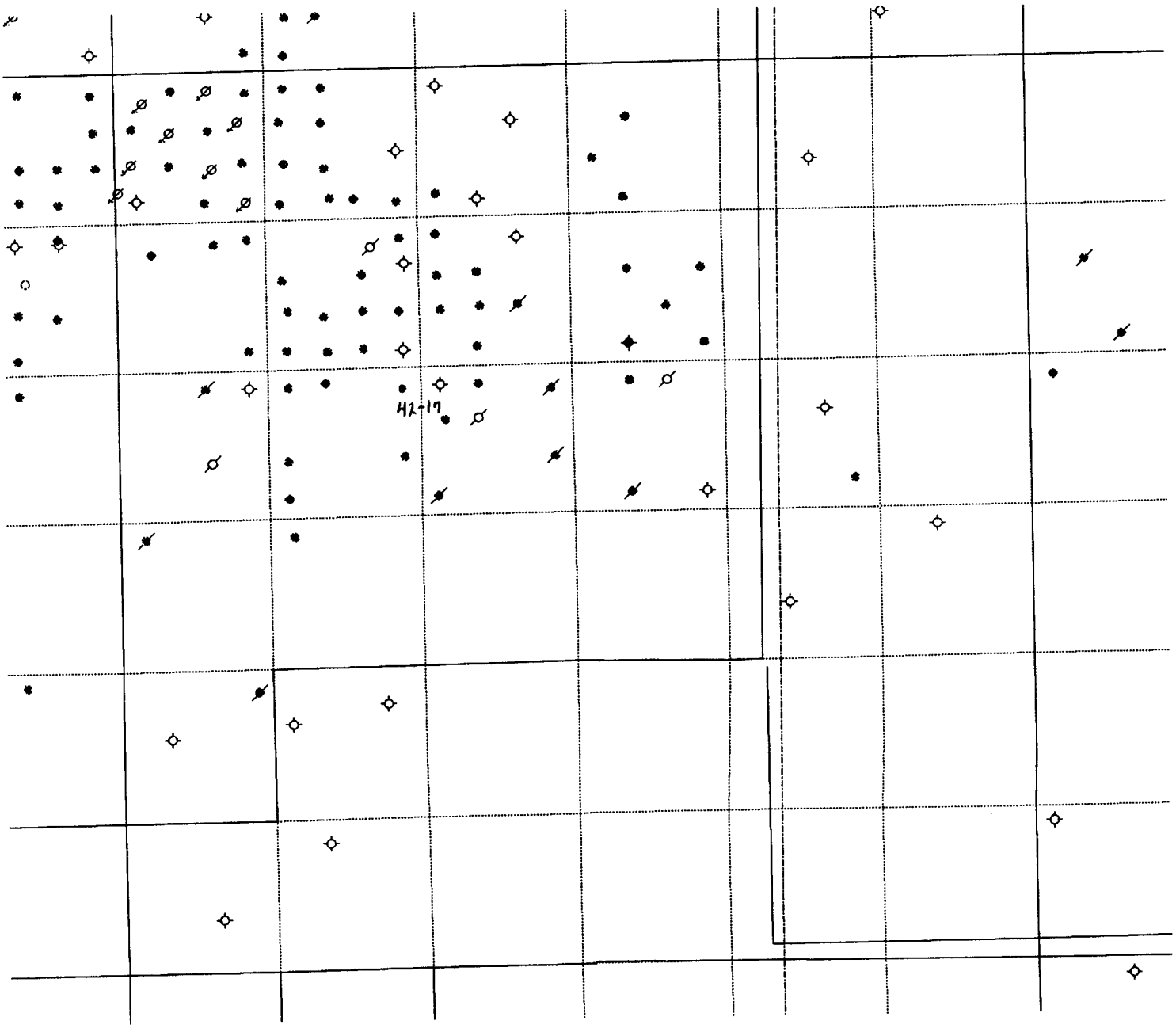
	Collapse Load (psi)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension S.F.
1	2635	4040	1.533	2635	4810	1.83	76.33	222	2.91 J

Prepared by : FRM, Salt Lake City, UT
Date : 09-28-1994
Remarks :

Minimum segment length for the 5,700 foot well is 1,000 feet.
SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 103°F (Surface 74°F , BHT 131°F & temp. gradient 1.000°/100 ft.)
The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 2,635 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.06)

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



0 4000 8000

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

RECEIVED
AUG 31
DIV. OF OIL, GAS & MINING

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 43-013-31466

Balcron Monument Federal #42-17

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 #41-17

NE 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 #41-17, NE, 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 weathered rock fragments. Drainage is to the east and northeast.

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 are no exposures of bed rock (Uinta Formation) in the area of the wellpad or proposed access road, but it appears that bedrock is near the surface.

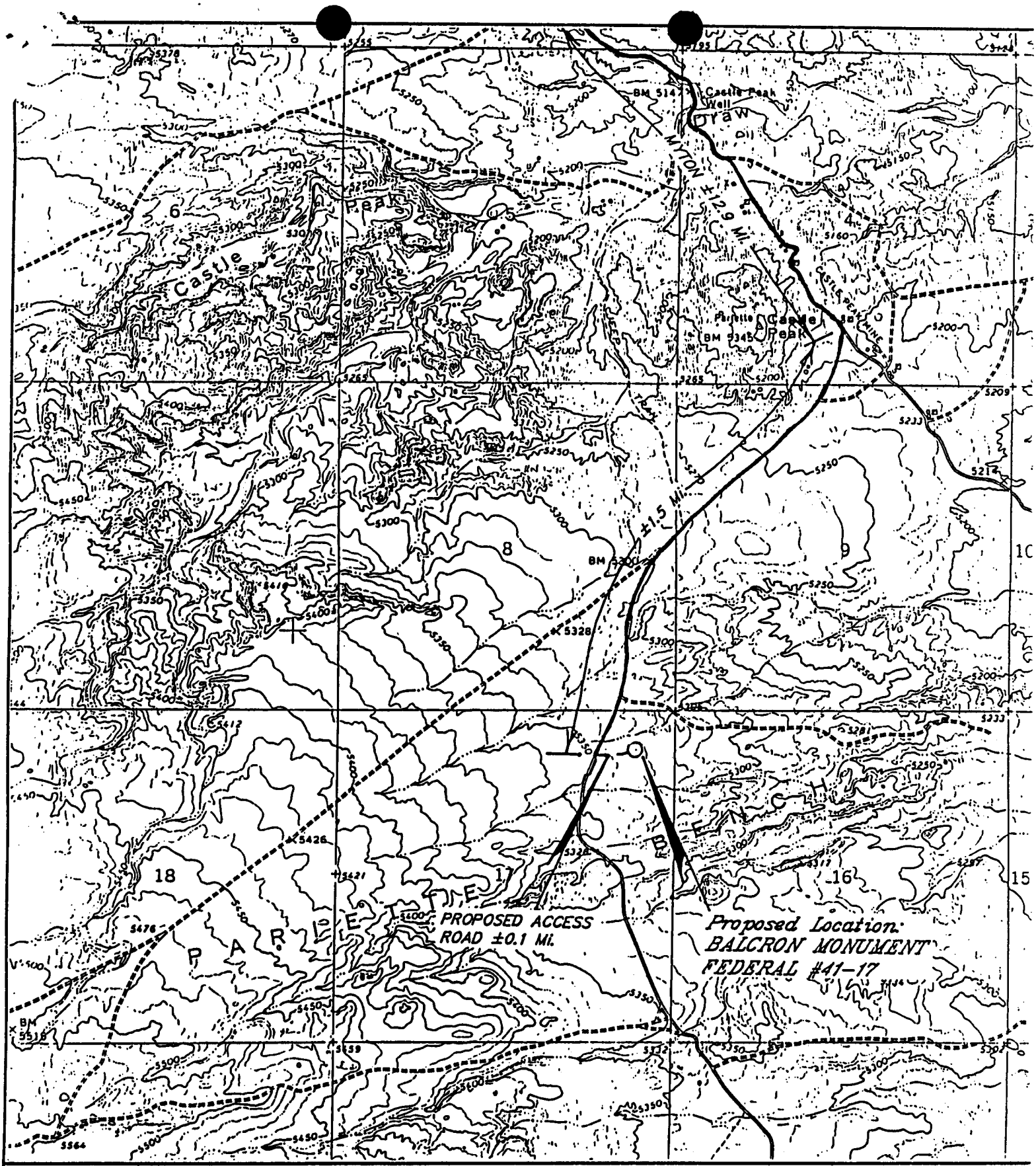
Paleontological material found -

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 #41-17
SECTION 17, T9S, R17E, S.L.B.&M.
TOPO "B"

N

SCALE: 1" = 2000'

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

RECEIVED
2 1994
BOD OPERATIONS

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.

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LIST OF MAPS OF THE PROJECT AREA

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

GENERAL INFORMATION

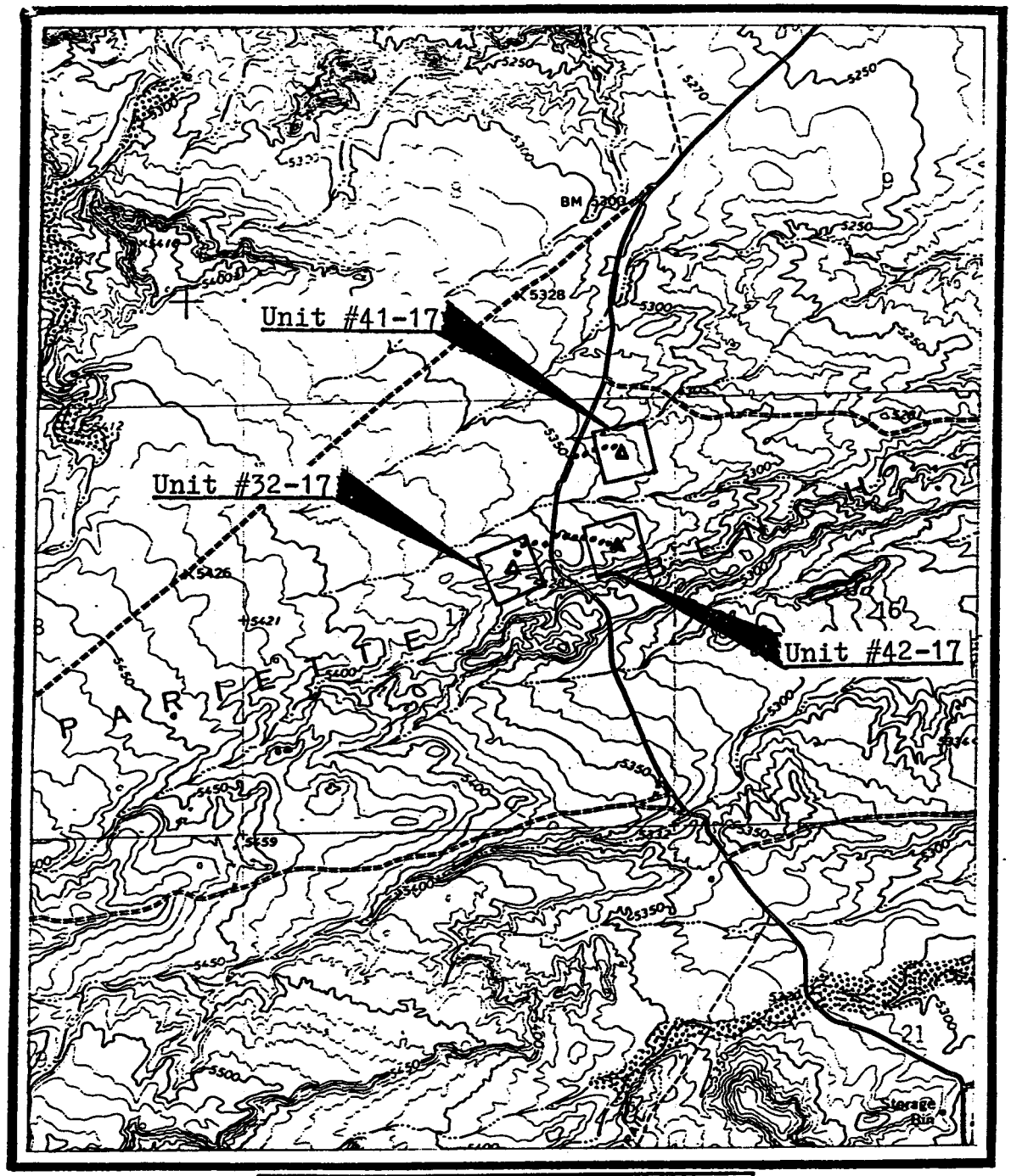
On August 24, 1994, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved three proposed well locations and associated access roads in the Pariette Bench area south of Myton, Utah. Some 31.6 acres were 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).



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 .....

N

Project: BLCR-94-6

Series: Uintah Basin

Date: 8/26/94

Scale: 1:24,000

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 #41-17 Well, 660' FNL, 660' FEL, NE 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.

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 43-013-31466.

Sincerely,

R.J. Firth
Associate Director

ldc
Enclosures
cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WOI1

RECEIVED OCT 6 1994 DIV. OF OIL, GAS & MINING

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

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: NE NE Section 17, T9S, R17E 660' FNL, 660' FEL
At proposed prod. zone

5. 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.: #41-17

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

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 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, RT, GR, etc.): 5335.6' 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 Drilling Program/Casing Design				

RECEIVED AUG 1 8 1994

Operator intends to drill this well in accordance with the attached Exhibits. 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 [signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE SEP 2 8 1994

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

11+080-4M-144

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 41-17

API Number: 43-013-31466

Lease Number: U-72106

Location: NENE 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 ± **250 ft.** or by setting the surface casing at ± **300 ft.** and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale , identified at ± **2622 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 ± **2,422 ft.** if the surface casing is set at ± **300 ft.** or it will be run to ± **100 ft.** if the surface casing is set at ± **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 Petroleum Engineer	(801) 789-4170
Ed Forsman Petroleum Engineer	(801) 789-7077
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, spend solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF 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.

A silt catchment basin shall be constructed Northeast of Corner#8 where flagged to mitigate soil erosion caused by surface disturbance to develop this location.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 41-17

API NO. 43-013-31466

Section 17 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 11/9/94

Time 6:00 PM

How DRY HOLE

Drilling will commence

Reported by DLI-DOGM

Telephone #

Date 11/14/94 SIGNED JLT

11-15-94

CONFIDENTIAL

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: 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 #41-17
9. API Well No.: 43-013-31466
10. Field and Pool, or Exploratory Area: Monument Butte/Green River
11. County or Parish, State: Duchesne County, Utah

1. Type of Well: [X] 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: NE NE Section 17, T9S, R17E
TD: 660' FNL & 660' FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Report of Spud	[ ] 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 11-9-94 at 8:30 a.m.

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NOV 14 1994
DIV OF OIL, GAS & MINING

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 11-10-94

(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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

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 QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	11692	43-013-31466	Balcron Monument Federal #41-17	NE NE	17	9S	17E	Duchesne	11-9-94	11-9-94

WELL 1 COMMENTS: Entity added 11-16-94. fee
Spud of a new well.

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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

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

(3/89)

RECEIVED
NOV 14 1994
DIV OF OIL, GAS & MINING

DATE: 11-10-94

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

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-17
Location: NE NE Section 17, T9S, R17E
Duchesne County, Utah **---TIGHT HOLE---**
660' FNL & 660' FEL
PTD: 5,700' Formation: Green River
Monument Butte Field
Elevations: 5335.6' GL
Contractor: Union Drilling #17
Operator: Balcron/EREC
Spud: 11-9-94 @ 8:30 a.m.
Casing: 8-5/8", 24#, J-55 @ 301'
5-1/2", 15.5#, J-55 @ 5693.85' KB
Tubing: 2-7/8", 6.5#, J-55 @ 5036.42' KB

11-10-94 TD: 285' (285') Day 1
Formation: Surface
MW air & foam
Present Operation: Drilling
MIRU Union Rig #17, drilling conductor hole 17-1/2", RU & drill rat hole. RU rotating head & flowline, drilling 12-1/4" hole. Well spud @ 8:30 a.m. on 11-9-94.
DC: $16,253 CC: $16.253

11-11-94 TD: 766' (443') Day 2
MW air & foam
Present Operation: Drilling
Drilling 12-1/4" hole, circ 8-5/8" csg, TOH, ND rotating head. RU & run 7 jts 8-5/8" 24#, J-55 csg landed @ 310'. Cmt by Western w/240 sxs "G" w/2% CaCl2 & 1/4#/sx Cello-Seal. Circ 15 bbls cmt to pit. WOC, cut off & weld on well head, test to 960 psi. NU BOP's & test BOP & all related to 2000 psi, csg to 1500#. TIH, survey, drill, change rotating head rubber, rig service & drill ahead.
DC: $14,384 CC: $30,637

11-12-94 TD: 1,608' (842') Day 3
Formation: Sand & shale.
MW air & foam
Present Operation: Drilling
Drill, change rotating head rubber, SR work BOP, WL survey & drill. Blow hole, trip for bit #4, ream out of gauge hole from 990' to 1315' & drill ahead.
DC: $11,543 CC: $42,180

11-13-94 TD: 2,813' (1,205') Day 4
Formation: Sand & shale.
MW 8.5 VIS 27
Present Operation: Drilling
Drilling, WL survey, slip & cut drilling line, service rig & work BOP. Drill, rig service, & survey.
DC: $15,845 CC: $58,025

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-17
Location: NE NE Section 17, T9S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

11-14-94 TD: 3,797' (984') Day 5
Formation: 2nd Garden Gulch
MW 8.6 VIS 27 pH 10
Present Operation: Drilling
Drill, WL survey, service rig & air & work BOP's. Drill, survey, & rig service. BGG Avg = 360 units, CG = 3500 to 4000 units.
DC: $13,225 CC: $71,250

11-15-94 TD: 4,228' (431') Day 6
Formation: 2nd Gardon Gulch
MW 8.5 VIS 27
Present Operation: Drilling
Blow hole w/air & foam. Load hole w/fluid & pump sweep. Trip for bit #5, SLM Board - 3797', SLM = 3764' (67' correction). Work on pump & pit pump. Drill, rig service, & drill ahead. BGG = 30 to 40 units. TG = 10,000+.
DC: $8,329 CC: $79,579

11-16-94 TD: 4,745' (517') Day 7
Formation: 2nd Douglas Creek
MW 8.7 VIS 27
Present Operation: Drilling
Drill, rig service, work BOP, & drill ahead. WL survey & service rig. Drill. BGG average = 160 units, high 450 units.
DC: $8,450 CC: $88m029

11-17-94 TD: 5,360' (615') Day 8
Formation: Green Zone
MW 8.7 VIS 27 pH 10.5
Present Operation: Drilling
Drill, rig service, & WL survey. BGG = 180 units, high 230 units. CG - 180 units.
DC: $9,222 CC: $97,251

11-18-94 TD: 5,700' (340') Day 9
MW 8.7 VIS 27
Present Operation: Logging w/Schlumberger.
Drill, reached TD @ 8:45 p.m. 11-17-94. Service rig, pump sweep & circ for logs. Drop survey & TOH for logs SLM. RU Schlumberger & run logs 1 run DLL/LDT/CNL/GR. Driller's depth 5700', Logger's depth 5697', & SLM - 5700.55'.
DC: $7,174 CC: $104,425

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-17
Location: NE NE Section 17, T9S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

11/19/94 TD: 5,700' TD Day 10
Present Operation: Rig released
RD loggers. TIH. LD DP and DC. Change pipe rams and test to 2000 psi. RU to run casing. Run 132 jts 5-1/2", 15.5# J-55 csg. Cement by Western w/20 bbls mud flush ahead of Supger "G" 47/# sx "G" plus 20#/sx PozA plus 17#/sx CSE and 3% salt and 2% gel and 2#/sx Hi-seal-2 plus .25/# sx Cello-seal. Tail w/ 250 sx 50/50/ Poz plus 2% gel and 1/4#/sx Cello-seal plus 2#/sx Hiseal-2. PD at 8:17 p.m. 11/18/94. ND BOPs, set casing slips w/70,000 down. Clean pits. Released rig at 12 midnight 11/18/94.
DC: $58,427 CC: $162,852

11/23/94 Completion
MI RU Cannon Well Service Rig #2. Install bell nipple, MI tanks and pump. NU 5M wellhead, NU BOP. TIH w/4-3/4" bit, 5-1/2" casing scraper, seat nipple and 182 jts 2-7/8" tubing. Tag PBTD at 5,644' KB. circulate hole clean w/125 bbls 2% KCL water. TOOH w/tubing and tools. SIFN.
DC: $8,542 CC: $171,394

11-23-94 Completion
RU Schlumberger to run CBL & perf. Perf 4954'-57' & 4965'-70' (4 SPF). RD Schlumberger. RIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" XOver, 2-7/8" SN & 161 jts 2-7/8" tbg. Set BP @ 5014' KB, set packer @ 4910' KB. RU Western to do KCL break down on 4954'-57' & 4965'-70' w/2,352 gals 2% KCL wtr. ATP 2300 psi, max 3500 psi. ATR 4.8 bpm, max 4.8 bpm. ISIP 1200 psi. Pump 4 balls/bbl. Flow back 35 BW, release packer TOOH w/tbg & packer. SWI until 11-25-94. Load to recover 21 BW.
DC: $7,111 CC: $178,505

11-25-94 Completion
RU Western to frac 4954'-57' & 4965'-70' w/51,000# 16/30 mesh sand w/19,126 gals 2% KCL gelled wtr. ATP 2240 psi, max 2650 psi. ATR 30.5 bpm, max 31.9 bpm. ISIP 2100 psi, 5 min 2030 psi, 10 min 2000 psi, 15 min 1920 psi, & 30 min 1742 psi. SWIFD.
DC: $24,571 CC: $203,076

11-26-94 Completion
CP 815 psi. Flow back 30 BW. TIH w/retrieving tool, 2-3/8"x4' sub, HD packer, 2-3/8" x 2-7/8" XOver, SN, & 158 jts 2-7/8" tbg. Tag sand @ 4870' KB, circ down to BP @ 5014' KB. Set packer @ 4910' KB. Made 23 swab runs, recovered 121 bbls fluid, oil trace, wtr 121 bbls, good gas, no sand last 6 runs. Release packer, tag sand @ 5000' KB, circ down to BP @ 5014' KB, reset BP @ 4765' KB, TOOH w/tbg & packer. SWI for weekend. Load to recover 318 BW.
DC: $4,004 CC: $207,080

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-17
Location: NE NE Section 17, T9S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

11-28-94 Completion
BP set @ 4765'. RU Schlumberger & perf 4573'-90', 4672'-74', 4679'-85', & 4692'-98' (4 SPF). RD Schlumberger. TIH w/retrieving tool, 2-3/8" x 2-7/8" XOver, SN, & 153 jts 2-7/8" tbg. Reset BP @ 4636' KB. Set packer @ 4528' KB, EOT @ 4536' KB. RU Western to do KCL break down on 4573'-90' w/2,856 gals 2% KCL wtr. ATP 2800 psi, max 5000 psi. ATR 6 BPM. ISIP 1600 psi, pump 5 balls/bbl. Reset BP @ 4722' KB, set packer @ 4626' KB, EOT @ 4633' KB. RU Western to do KCL break down on 4672'-98' w/2,814 gals 2% KCL wtr. ATP 2000 psi, max 2900 psi. ATR 5 bpm, max 6.2 bpm. ISIP 1100 psi. Pump 4 balls/bbl. TOOH w/tbg & packer. SWIFN. Load to recover 453 BW.
DC: $7,954 CC: $215,034

11-29-94 Completion
RU Western to frac 4573'-90', 4672'-98' w/128,360# 16/30 mesh sand w/34,734 gals 2% KCL gelled wtr. ATP 2350 psi, max 2800 psi. ATR 35 bpm, max 37.8 bpm. ISIP 2350 psi, 5 min 1920 psi, 10 min 1800 psi, 15 min 1750 psi, 30 min 1700 psi. SWIFN. Load to recover 1280 BW.
DC: $45,974 CC: $261,008

11-30-94 Completion
CP 585 psi. TIH w/retrieving tools, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" XOver, 2-7/8" SN, & 146 jts 2-7/8" tbg. Tag sand @ 4515' KB, circ down to BP @ 4732' KB, set packer @ 4528' KB. Made 18 swab runs, recovered 95 bbls of fluid, trace bbls oil, 95 BW, good gas, no sand last 3 runs. Trace oil last 9 runs. Release packer, tag sand @ 4720' KB, circ down to BP @ 4732' KB, release BP, reset BP @ 4070' KB. TOOH w/tbg & packer. RU Schlumberger to perf 3994'-96' & 4009'-18' (4 SPF). RD Schlumberger. 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. Set packer @ 3963' KB. SWIFN. Load to recover 1185 BW.
DC: $3,608 CC: $264,616

12-1-94 Completion
TP 125 psi, BP @ 4070', packer @ 3963'. RU Western to do KCL break down on 3994'-96' & 4009'-18 w/2,394 gals 2% KCL wtr. ATP 3000 psi, max 4800 psi. ATR 5.2 bpm. Release packer, TOOH w/tbg & packer. RU Western to do sand frac on perfs same as above w/69,320# 16/30 mesh sand w/21,168 gals 2% KCL gelled wtr. ATP 2300 psi, max 2480 psi. ATR 31 bpm, max 32.8 bpm. ISIP 2080 psi, 5 min 1820 psi, 10 min 1700 psi, 15 min 1560 psi, & 30 min 1460 psi. SWIFN. Load to recover 1731 BW.
DC: $30,596 CC: $295,212

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #41-17
Location: NE NE Section 17, T9S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

12-2-94 Completion

CP 715 psi. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" XOver, SN, & 127 jts 2-7/8" tbg. Tag sand @ 3910' KB, circ down to BP @ 4070' KB. Set packer @ 3963' KB, EOT @ 3970' KB. Made swab runs, recovered 121 bbls fluid, trace oil, 121 BW, good gas, no sand last 4 runs. Fluid level stable @ 2100' last 4 runs, trace oil last 10 runs. Release packer, tag sand @ 4060' KB, circ down to BP @ 4070' KB, release BP, TOOH w/tbg, packer & BP. TIH w/production string:

	LENGTH	DEPTH KB
1 - jt 2-7/8", J-55, 6.5#	29.50'	5036.42'
1 - perf sub 2-7/8" x 3'	3.20'	5006.92'
1 - seat nipple 2-7/8"	1.10'	5003.72'
33 - jts 2-7/8", J-55, 6.5#	1040.02'	5002.62'
1 - Tbg Anchor 2-7/8" x 5-1/2"	2.35'	3962.60'
128 - jts 2-7/8", J-55, 6.5#	3950.25'	3960.25'

ND BOP, ND 5M well head, NU 3M well head. Set tbg anchor w/18" tension. SWIFN.

DC: $20,998 CC: $316,210

12-3-94 Completion

TIH w/rod production string:
1 - BHP 2-1/2"x1-1/2"x16' RWAC w/pa plunger
199 - 3/4" x 25' plain rods
1 - 3/4" x 6' Pony
1 - 3/4" x 2' Pony
1 - 1-1/4" x 22' Polish Rod
Pressure test BHP & tbg to 1000 psi - OK. SWI & RDMO.

DC: $3,978 CC: $320,188

12-14-94 Start well pumping @ 11:30 a.m. @ 6 SPM 86" stroke. Pumper - Jody Mecham.

CONFIDENTIAL

RECEIVED DEC 19 1994 DIV. OF OIL, GAS & MINING

Form 3160-5 (June 1990) UNITED STATES 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 #41-17

9. API Well No.
43-013-31466

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
[X] 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: NE NE Section 17, T9S, R17E
TD: 660' FNL & 660' FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Report of First Production	[ ] 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 12-14-94 at 11:30 a.m.

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 12-15-94

(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

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 #41-17 API Number: 43-013-31466

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	

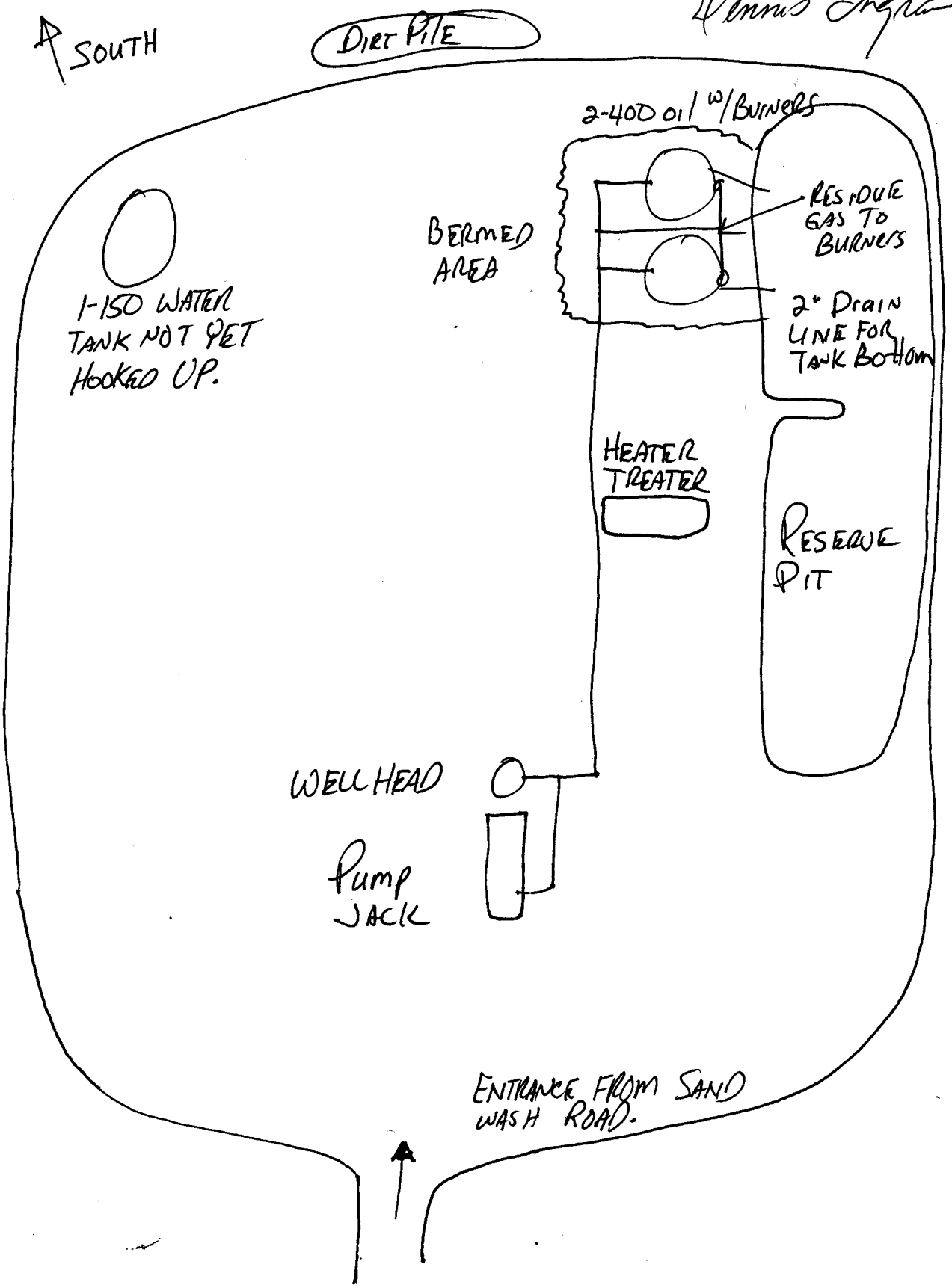
Central Battery Location: (IF APPLICABLE)

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 # 41-17 43-013-31466
SEC 17; T9S; R17E

1/5/95
Dennis Ingram



NATIONAL 42-381 50 SHEETS 5 SQUARE 42-382 100 SHEETS 5 SQUARE 42-389 200 SHEETS 5 SQUARE Made in U.S.A.

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED JAN 12 1995 DIV. OF OIL, GAS & MINING

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

CONFIDENTIAL

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

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

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

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

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 660' FNL & 660' FEL
At top prod. interval reported below
At total depth

5. 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.: #41-17
10. FIELD AND POOL, OR WILDCAT: Monument Butte/Green River
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: NE NE Section 17, T9S, R17E

14. PERMIT NO.: 43-013-31466 DATE ISSUED: 8-28-94
12. COUNTY OR PARISH: Duchesne
13. STATE: UTAH

15. DATE SPUDDED: 11-9-94
16. DATE T.D. REACHED: 11-19-94
17. DATE COMPL. (*Ready to prod.*): 12-14-94
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5335.6' GL
19. ELEV. CASINGHEAD: n/a
20. TOTAL DEPTH, MD & TVD: 5,700'
21. PLUG, BACK T.D., MD & TVD: 5644' KB
22. IF MULTIPLE COMPL., HOW MANY*: n/a
23. INTERVALS DRILLED BY: → ROTARY TOOLS: Sfc - TD CABLE TOOLS: n/a
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 3994 -' - 4970' Green River
25. WAS DIRECTIONAL SURVEY MADE: No
26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL - LDT - CNL - GR MUD LOG 11-29-94
27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	301'	12-1/4"	240 sxs Class "G" w/additives	n/a
5-1/2"	15.5#	5693.85' KB	7-7/8"	230 sxs Super "G" w/additives and 250 sxs 50/50 POZ w/ additives.	n/a

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5036.42' KB	n/a

31. PERFORATION RECORD (*Interval, size and number*)
4954' - 4957' (4 SPF)
4965' - 4970' (4 SPF)
4573' - 4590' (4 SPF)
4672' - 4674' (4 SPF)
4679' - 4685' (4 SPF)
4692' - 4698' (4 SPF)
3994' - 3996' (4 SPF)
4009' - 4018' (4 SPF)

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

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

33.* PRODUCTION

DATE FIRST PRODUCTION: 12-14-94
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
1-8-95	24	n/a	→	82.17	N.M.	0	N.M.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	82.17	N.M.	0	34

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

35. LIST OF ATTACHMENTS: Acid, Shot, Fracture, cement Squeeze, etc.

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 1-12-95

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

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

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	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
See Geological Report submitted separately.		

BALCRON MONUMENT FEDERAL #41-17
NE NE Section 17, T9S, R17E
Duchesne County, Utah

ATTACHMENT TO COMPLETIO REPORT

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Interval	Amount and Kind of Material Used
4954′ - 4970′ KB	Break down with 2,352 gallons 2% KCL water. Frac with 51,000# 16/30 mesh sand with 19,126 gallons 2% KCL gelled water.
4672′ - 4698′ KB	Break down with 2,814 gallons 2% KCL water.
4573′ - 4590′ KB	Break down with 2,856 gallons 2% KCL water.
4573′ - 4698′ KB	Frac with 128,360# 16/30 mesh sand with 34,734 gallons 2% KCL gelled water.
3994′ - 4018′ KB	Break down with 2,394 gallons 2% KCL water. Frac with 69,320# 16/30 mesh sand with 21,168 gallons 2% KCL gelled water.

/mc
1-12-95

RECEIVED
JAN 13 1995
DIV OF OIL, GAS & MINING

Form 3160-5 (June 1990)

UNITED STATES
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 #41-17

9. API Well No.
43-013-31466

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
[X] 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: NE NE Section 17, T9S, R17E
TD: 660' FNL & 660' FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Site Security Diagram	[ ] 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.

RECEIVED
JAN 13 1995
DIV OF OIL, GAS & MINING

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

Signed Molly Conrad Title Operations Secretary Date 1-12-95

(This space for Federal or State office use)

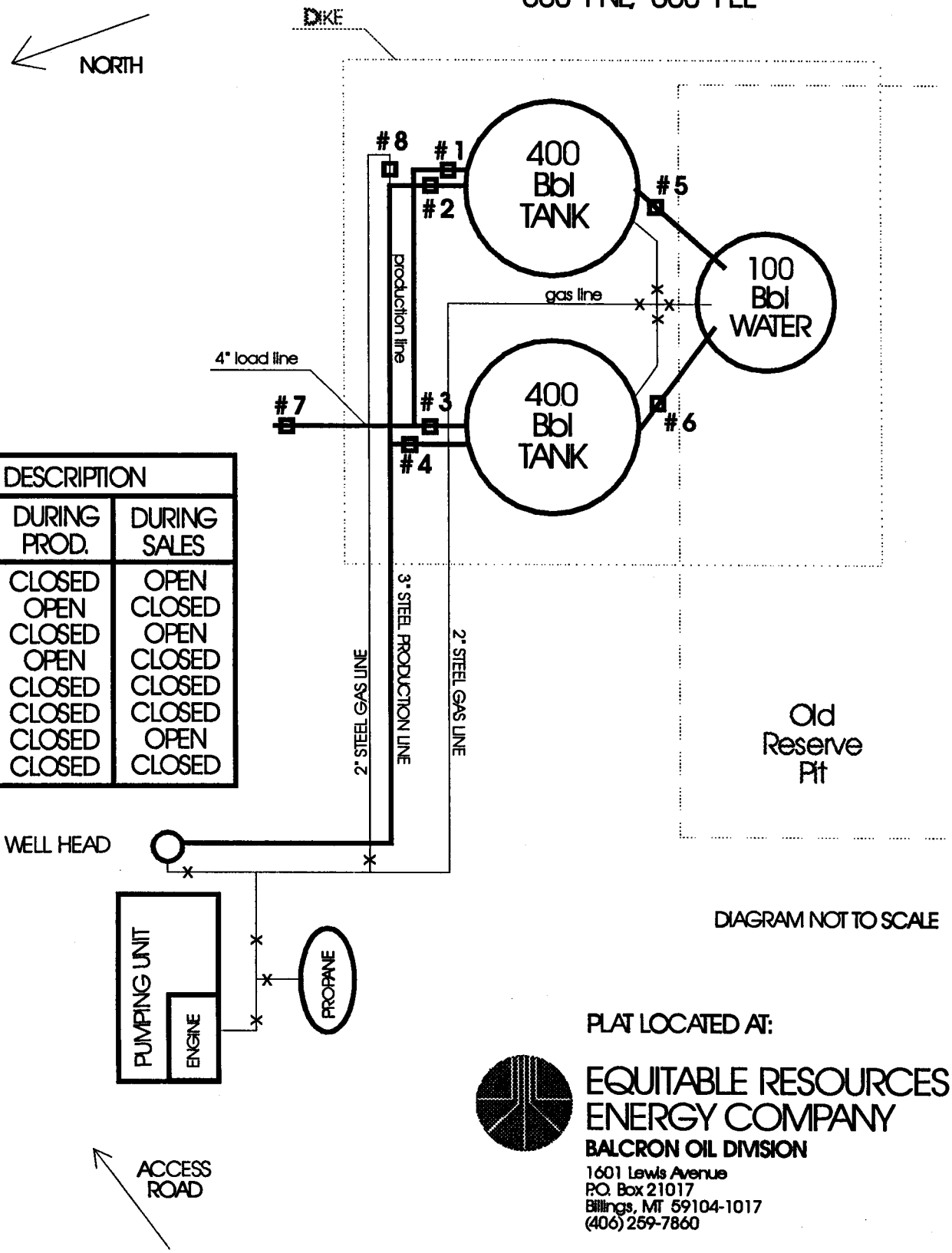
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

*See Instruction on Reverse Side

Equitable Resources Energy Company
Balcron Monument Federal 41-17
Production Facility Diagram

Balcron Monument Federal 41-17
NE NE Sec. 17, T9S, R17E
Duchesne County, Utah
Federal Lease #UTU-72106
660' FNL, 660' 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

PLAT LOCATED AT:

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

Form 3160-5 (June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: 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 #41-17
9. API Well No.: 43-013-31466
10. Field and Pool, or Exploratory Area: Monument Butte / Green River
11. County or Parish, State: Duchesne County, Utah

1. Type of Well: [X] 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: NE NE Section 17, T9S, R17E
   TD: 660' FNL & 660' FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Onshore Order #7	[ ] 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.

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JAN 13 1995
DIV OF OIL, GAS & MINING

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

Signed: Molly Conrad Title: Operations Secretary Date: 1-12-95

(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

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

RECEIVED
JAN 13 1995
DIV OF OIL, GAS & MINING

1. Well name and number: Balcron Monument Federal #41-17

API number: 43-013-31466

2. Well Location: QQ NE 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

Buckhannon WV 26201 Phone: (304) 472-4610

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

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

6. Formation tops: See Geological Report submitted separately.

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

I hereby certify that this report is true and complete to the best of my knowledge. Date: 1-12-95

Name & Signature: Molly Conrad, Molly Conrad Title: Operations Secretary

(7/93)

GEOLOGICAL WELLSITE REPORT

Balcron Oil Company
Monument Federal No. 41-17
CNENE Sec. 17-T9S-R17E
Duchesne County, Utah

43-013-31466

RECEIVED
JAN 25 1985
DIV OF OIL, GAS & MINING

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

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Compensated Neutron-Litho-Density Logs	4-6
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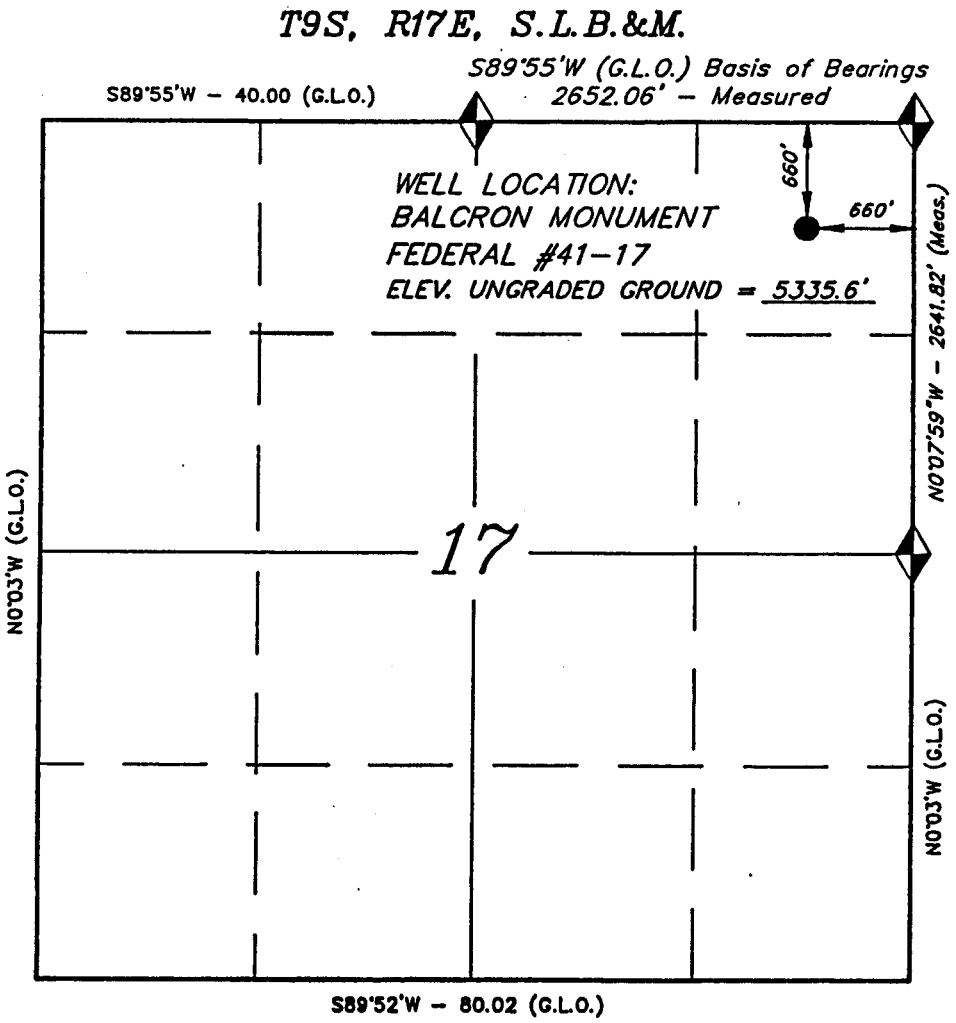
Sample Description	10-20
Penetration Log	In Pocket

EXHIBIT "K"



◆ = 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)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #41–17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 17, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

N

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

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

STACY W. STEWART
No. 189377
STATE OF UTAH

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

SCALE: 1" = 1000'	SURVEYED BY: G.S. R.H.
DATE: 8-3-94	WEATHER: HOT
NOTES:	FILE #41-17

DATA SHEET

Operator:	Balcron Oil Company
Well Name:	Monument Federal No. 41-17 Lease UTU 72106
Location:	CNENE (660' fnl-660' fel) Section 17, Township 9 South, Range 17 East, Duchesne County, Utah
Area:	Monument Butte Field
Elevations:	5335.6' Ground Ungraded; 5334' Graded; 5344' KB
Spudded:	November 9, 1994 @ 6:00 PM
Drilled Out:	November 10, 1994 @ 10:00 PM
Reached T.D.:	November 17, 1994 @ 7:45 PM
Rig Release:	November 18, 1994 @ 12:00 Midnight
Total Depths:	5700' Driller; 5697' Logger
Status:	Oil Well
Hole Size:	12¼" Surface-323' 7 7/8" 323-5700'
Drilling Fluid:	Air & Foam: Surface-3797'; Kcl Water 3797-5700'
Surface Csg.:	Ran 7 jts (304.25') 8 5/8", 24 lb, J-55, ST&C to 314' KB. Cemented w/240 sxs Class G, 2% $CaCl_2$, ¼ lb per sx Cello Seal. Plugged down November 10, 1994 @ 10:30 AM.
Production Csg.:	Ran 132 jts (5732.38') 5½", 15 lb, J-55, ST&C to 5693' KB. Cemented w/230 sxs Lead Super G, 47 lb/sx G, 20 lb/sx Pos A, 17 lbs/sx CSE, 3% Salt, 2% Gel, 2 lb/sx High Seal-2, ¼ lb/sx Cello Seal; tailed w/250 sxs 50/50 Poz, 2% Gel, ½ lb/sx Cello Seal, 2 lbs/sx Hi Seal-2. Plugged down November 18, 1994 @ 8:15 PM.
DSTs:	None. Cores: None.
Logging:	Schlumberger Engineer: White Vernal, UT 1. DLL w/Gr & Caliper BSC-T.D. 2. LDT-CNL w/Gr & Caliper 3500'-T.D.
Mud Logging:	Manaco Loggers: Deardorff, Butler Denver, CO
Contractor:	Union Drilling Company, Rig 17, Pusher: Dave Gray
Supervision:	Odell Williams
Geologist:	Durwood Johnson

FORMATION TOPS

Laterolog KB 5344'

Formation	Depth	Datum	** Reference Well
TERTIARY			
Uinta	Surface		
Green River	1409	+3935	14' Low
Horse Bench Sand	2116	+3228	21' Low
2nd Garden Gulch	3712	+1632	12' Low
Y-2 Sand	3989	+1355	Flat
Yellow Marker	4334	+1010	18' Low
Douglas Creek	4495	+ 849	15' Low
R-2 Sand	4573	+ 771	13' Low
R-5 Sand Upper Bench	4671	+ 673	18' Low
R-5 Sand Lower Bench	4691	+ 653	
2nd Douglas Creek	4731	+ 613	18' Low
Green Marker	4868	+ 476	22' Low
G-3 Sand	4950	+ 394	
Black Shale Facies	5131	+ 213	4' High
Carbonate Marker	5340	+ 4	3' Low
B-1 Sand	5356	- 12	
B-1 Sand	5391	- 47	
B 2 Sand	5442	- 98	

* TOTAL DEPTH:

Schlumberger: 5697

Driller: 5700

* Penetration Log correlation with Schlumberger Logs confirms Driller's depths are 3 to 4 feet deeper.

** Reference Well:
Balcron - Monument Federal No. 31-17
NWNE Sec. 17-T9S-R17E
Duchesne County, Utah

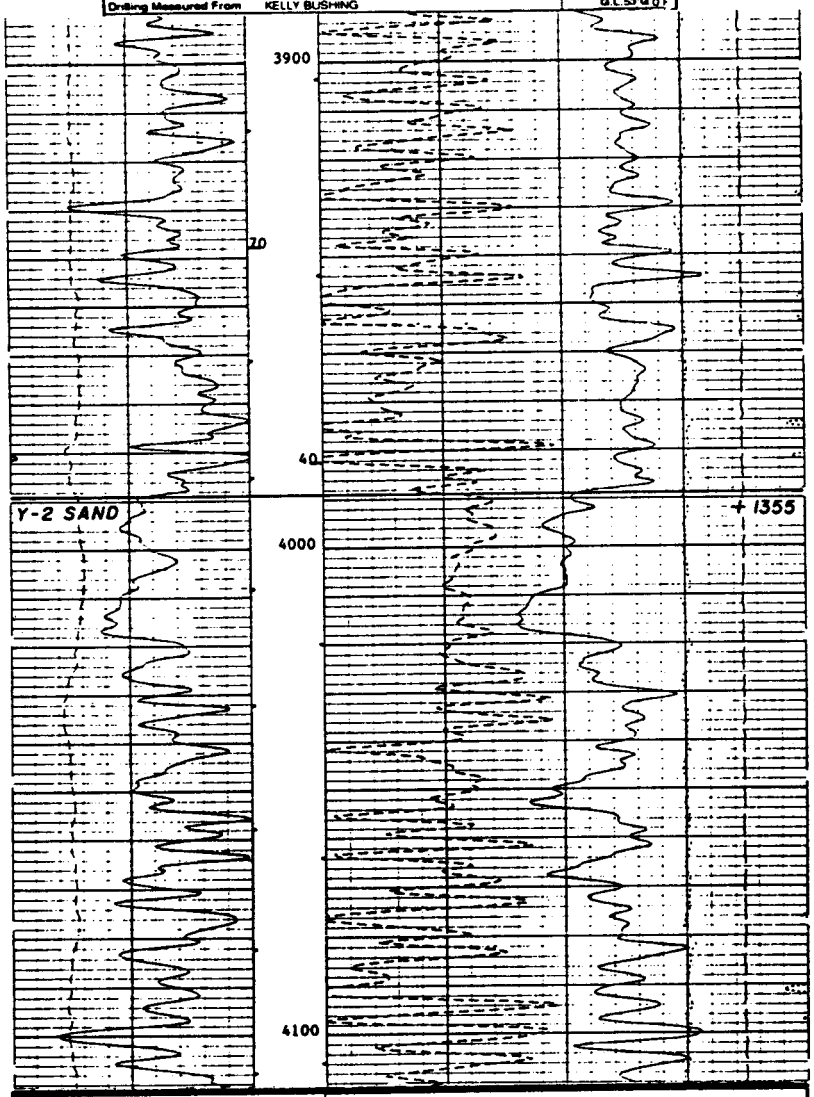
FINAL PRINT
Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON-LITHO-DENSITY

COMPANY	BALCRON OIL COMPANY
WELL	MONUMENT FEDERAL #41-17
FIELD	MONUMENT BUTTE
COUNTY	DUCHESNE STATE UTAH
LOCATION	660' FNL & 660' FEL NE-NE
Other Services:	DLTE-GR CNL LDT-GR

API SERIAL NO.	SECT.	TWP.	RANGE
43-013-31466	17	9 S	17 E

Permanent Datum	GROUND LEVEL	Elev.	5334.0 F	Elev.: K.B. 5343.0 F
Log Measured From	KELLY BUSHING	9.0 F	above Perm. Datum	D.F. 5342.0 F
Drilling Measured From	KELLY BUSHING			G.L. 5334.0 F



- CROSSOVER -

TENS(LBF)	10000 — 0.0
DRHO(G/C3)	-.2500 — 25000
NPHI(V/V)	70000 — 30000
NPHI(V/V)	30000 — -.1000
DPHI(V/V)	30000 — -.1000
CALI(IN)	6.0000 — 16.000
GR(GAPI)	0.0 — 150.00

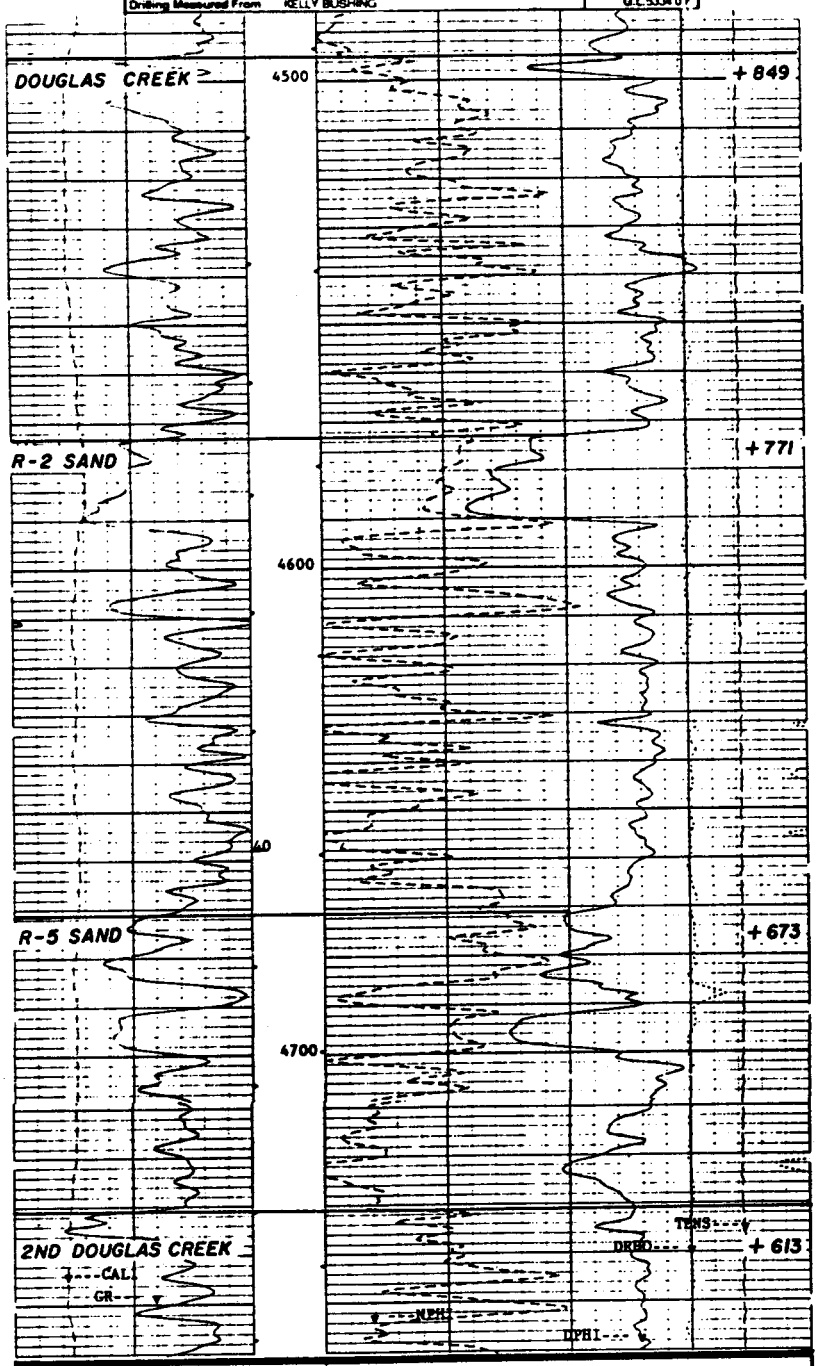
FINAL PRINT
Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON-LITHO-DENSITY

COMPANY	BALCRON OIL COMPANY
WELL	MONUMENT FEDERAL #41-17
FIELD	MONUMENT BUTTE
COUNTY	DUCHESNE STATE UTAH
LOCATION	660 FNL & 660 FEL NE/NE
Other Services:	DLTE-GR CNL-LDT-GR

API SERIAL NO.	SECT.	TWP.	RANGE
43-013-31466	17	9 S	17 E

Permanent Datum	GROUND LEVEL	Elev.	5334.0 F	Elev.: K.B. 5343.0 F
Log Measured From	KELLY BUSHING	9.0 F	above Perm. Datum	D.F. 5342.0 F
Drilling Measured From	KELLY BUSHING			G.L. 5334.0 F



- CROSSOVER -

TENS(LBF)	10000 — 0.0
DRHO(G/C3)	-.2500 — 2.5000
NPHI(V/V)	70000 — .30000
NPHI(V/V)	30000 — -.1000
DPHI(V/V)	30000 — -.1000
CAL(IN)	6.0000 — 16.000
GR(GAPI)	0.0 — 150.00

FINAL PRINT

Schlumberger

SIMULTANEOUS

COMPENSATED NEUTRON-LITHO-DENSITY

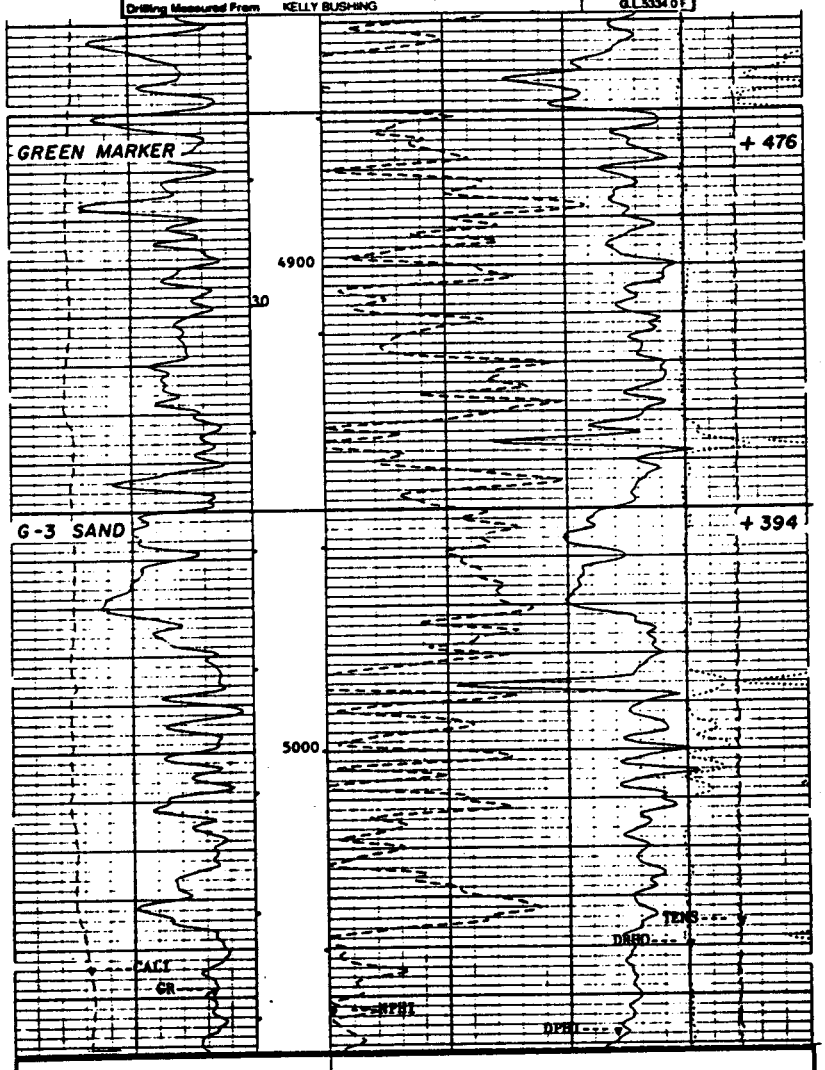
COMPANY	BALCRON OIL COMPANY
WELL	MONUMENT FEDERAL #41-17
FIELD	MONUMENT BUTTE
COUNTY	DUCHESNE STATE UTAH

LOCATION: 660 FNL & 660 FEL NE/NE

Other Services: DLTE-GR CNL-LDT-GR

API SERIAL NO.	SECT.	TWP.	RANGE
43-013-31466	17	9 S	17 E

Permanent Datum	GROUND LEVEL	Elev.	5334.0 F	Elev.: K.B. 5343.0 F
Log Measured From	KELLY BUSHING	8.0 F	above Perm. Datum	D.F. 5342.0 F
Drilling Measured From	KELLY BUSHING			G.L. 5334.0 F



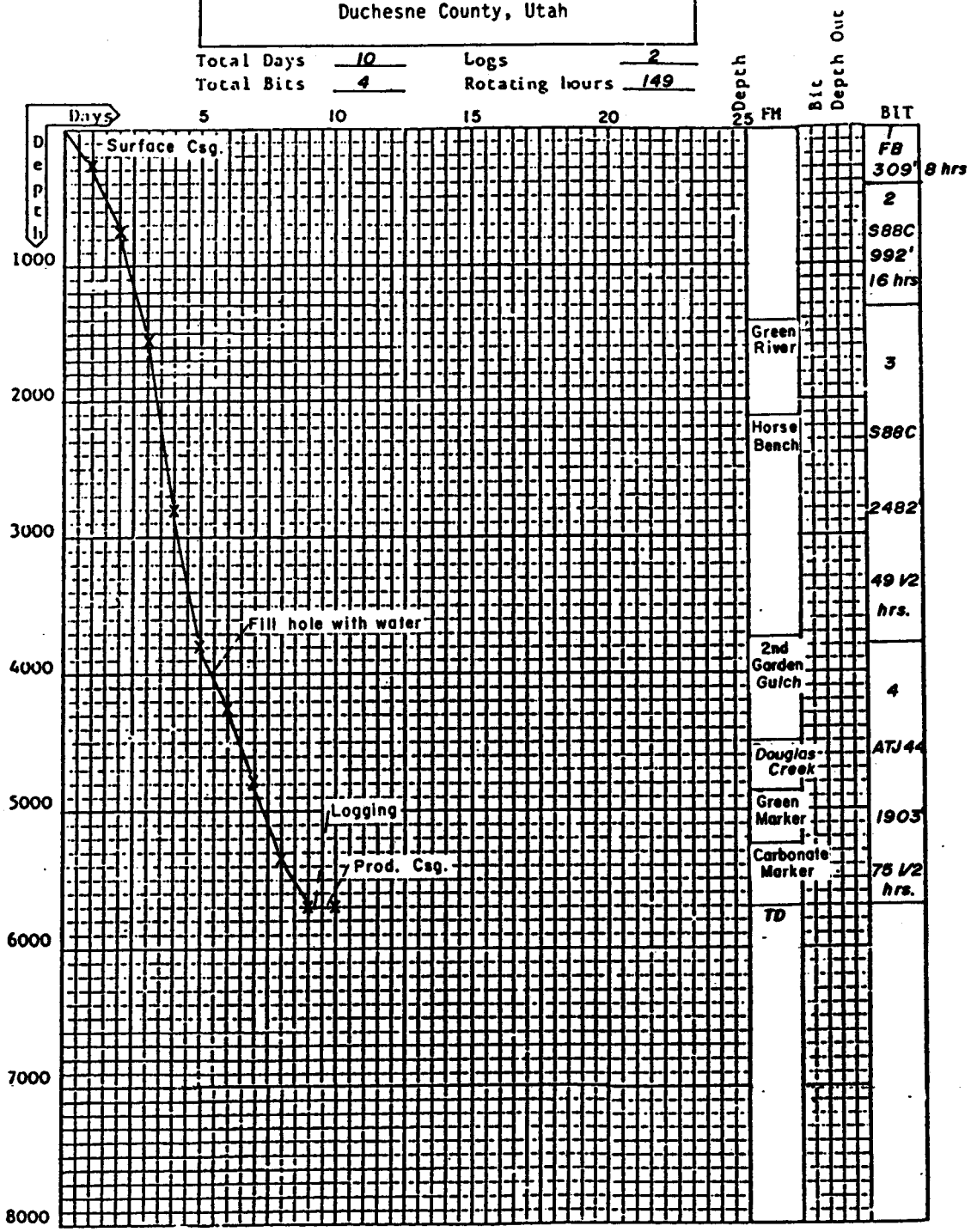
- CROSSOVER -

CALI(IN) 6.0000 – 16.000	TENS(LBF) 10000 – 0.0
GR(GAPI) 0.0 – 150.00	DRHO(G/C3) -.2500 – .2500
	NPHI(V/V) .70000 – -.30000
	NPHI(V/V) .30000 – -.1000
	DPHI(V/V) .30000 – -.1000

PENETRATION CHART

Balcron Monument Federal No. 41-17
CNENE Sec. 17-T9S-R17E
Duchesne County, Utah

Total Days 10 Logs 2
Total Bits 4 Rotating hours 149



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BIT RECORD

COUNTY	FIELD	STATE	SECTION	TOWNSHIP	RANGE	LOCATION	WELL NO.
Duchesne	Monument Butte	Utah	17	9S	17E	660' fnl - 660' fsl	Federal 4-1-17

CONTRACTOR	RIG NO.	OPERATOR	TOOLPUSHER	
Union Drilling Co.	17	Balcron Oil Company	Dave Gray	Satterfield Ferguson, Rasmussen

SPUD	UNDER SURF.	UNDER INTER.	SET SAND ST.	REACHED T.D.	PUMP NO. 1 / LINER	PUMP NO. 2 / LINER	PUMP POWER	TYPE MUD
6:00 PM 11-9-94	10:00PM 11-10-94			7:45 PM 11-17-94	Gardner Denver 5½" x 14		Twin 671 GMCs	Air & Foam Kcl Wtr

DRILL PIPE		SIZE	TYPE	O.D.		NUMBER	O.D.	I.D.	LENGTH	DRAWWORKS POWER
4½" XH	TOOL JOINTS	6¼"	20 lb	12 jts	DRILL COLLARS	20	6⅛"	2¼"	608.40'	343 Cat

NO.	SIZE	MAKE	TYPE	JET 32ND IN	SERIAL	DEPTH OUT	FEET	HOURS	FT/HR	ACCUM DRLG. HRS.	WT. 1000 LBS.	R P M	VERT DEV.	PUMP PRESS	PUMP OPERATION	SPM 1	SPM 2	MUD WT.	MUD VIS.	MUD W.L.	DULL. COND. T	DULL. COND. B	DULL. COND. G	DULL. COND. OTHER	FORMATION REMARKS
1	12¼"	STC	F B		Rental RR	323	309	8¼	37.5	8¼	ALL	150	¾°	CFP 100				Air & Foam							
2	7⅞"	SEC	S88CFH	3-24	639366	1315	992	16	62.0	24¼	38	60	1¼	CFP 150				Air & Foam			8	8	¼		Dropped Bit
3	7⅞"	SEC	S88CFH	3-24	647690	3797	2482	49⅓	46.4	73¾	44	60		CFP 250				Kcl Water							
4	7⅞"	HTC	ATJ-44	3-11	M38WY	5700	1903	75½	25.2	149¼	45	65	1¼	1100		52		Kcl Water							

Deviation Surveys

318	¾°	2296	2¼°	4500	1¾°
820	1°	2800	2¾°	5007	2¼°
1310	1¼°	3320	1½°	5700	1¼°
1800	1½°	3948	2¼°		

WELL HISTORY

Day	Date 1994	Depth	Operation	Daily Activity (Previous 24 hrs.6AM-6AM)
1	11/10	270	Drilling	Move & rig up. Drill 17" hole & set 13 3/8" conductor @ 20'. Spud 12¼" surface hole - 6:00PM, 11/9/94. Drill rat hole. Drill 12¼" hole from 20-270'. Made 270' in 7¼ hrs.
2	11/11	742	Drilling	Drill from 270-323'. Made 53' in 1 hr. Circulate. Trip out. Run 7 jts, 8 5/8" surface casing. Rig up to cement. Cement w/240 sxs. WOC. Cut off casing & weld on head. Nipple up BOPs. Pressure test BOPs to 2000 psi - casing to 1500 psi. Held O.K. Pick up DCs. Trip in Bit 2. Drill cement, float & shoe - 1½ hrs. Drill out from under surface @ 10:00 PM, 11/10/94. Drill & survey from 323 to 742'. Made 419' in 6½ hrs.
3	11/12	1750	Drilling	Drill & survey from 742-1315'. Trip for Bit 3. Lay down 2 jts of twisted drill pipe. Trip in Bit 3. Ream 300' - 6 hrs. Drill from 1315-1570'. Made 828' in 13 3/4 hrs.
4	11/13	2810	Drilling	Drill & survey from 1570-2810'. Made 1240' in 21¼ hrs.
5	11/14	3797	Circulate	Drill & survey from 2810-3797'. Circulate. Made 987' in 22½ hrs.
6	11/15	4225	Drilling	Circulate w/air. Load hole with Kcl water. Mix sweep & circulate. Trip out. Trip in Bit 4. SLM 67' downhole correction. Drill from 3864-4225'. Made 361' in 14 3/4 hrs.
7	11/16	4775	Drilling	Drill & survey from 4225-4775'. Made 550' in 23 hrs.
8	11/17	5364	Drilling	Drill & survey from 4775-5364'. Made 589' in 23 hrs.
9	11/18	5700	Logging	Drill & survey from 5364-5700'. Total depth @ 7:45 PM, 11/17/94. Circulate for logs. Trip out. SLM - no correction. Logging.
10	11/19	5700	Run Csg.	Rig down loggers. Trip in hole. Trip out laying down. Change slips. Rig up to run 5½" casing. Run casing.
11	11/20	5700		Complete running casing. Cement w/480 sxs. Plug down @ 8:15 PM, 11/19/94. Nipple down & set slips. Rig release Midnight, 11/19/94.

Balcron Monument Federal No. 41-17
CNENE Sec. 17-T9S-R17E
Duchesne County, Utah

SAMPLE DESCRIPTION

Geologist on wellsite at 1000 feet. Samples lagged and caught by Monaco personnel. Sample quality is fair to good unless noted otherwise. Sample descriptions are adjusted to Laterolog depths with shows underlined.

Samples caught at the following intervals:

50' 1350-3700'
20' 3700-5700

Sample descriptions are adjusted 70 feet downhole from 1350-3797 feet after SLM at 3797 feet.

GREEN RIVER 1409 (+3935)

1420-1470 Sandstone, very fine-fine grained, light gray, clear quartz grains, good sorting, sub-angular to sub-rounded; streaks Shale, gray, gray-tan, chunky, silty in part; streaks Shale, reddish brown, tan, dolomitic.

1470-1520 Shale, orange, reddish tan, blocky, chunky, very dolomitic in part; dull gold and yellow fluorescence, occasional fair light yellow cut - Oil Shale; Shale and Sandstone, as above.

1520-1620 Shale, reddish brown, orange, gray-tan, calcareous; grades to a Marl; dull gold and scattered bright yellow fluorescence, occasional slow bright yellow cut - Oil Shale.

1620-1670 Shale, gray-brown, gray-tan, dull orange, chunky, dolomitic in part, streaks moderately calcareous; grades to Marl; bright gold fluorescence, slow faint light yellow cut - Oil Shale.

1670-1720 Shale, dull orange, reddish tan, gray-brown, limey and dolomitic streaks; fluorescence and cut, as above - Oil Shale.

1720-1770 Shale, reddish brown, orange, dolomitic in part; Marl, gray-brown, earthy; grades to shaley Dolomite; scattered light yellow-yellow fluorescence, fair light yellow cut - Oil Shale.

1770-1870 Shale, reddish tan, gray-tan, dolomitic; dull yellow fluorescence, slow faint light yellow cut - Oil Shale;

@ 1820 streaks Dolomite, as above; trace bright yellow fluorescence, fair light yellow cut - Oil Shale.

1870-1970 Shale, as above, moderately calcareous to limey; gold fluorescence, very slow faint light yellow cut - Oil Shale.

1970-2070 Shale, reddish brown, gray-tan, dolomitic in part, limey streaks; dull gold fluorescence, slow faint whitish yellow cut - Oil Shale.

2070-2120 Shale, gray-brown, gray-tan, reddish tan, dolomitic in part, limey streaks; grading to Marl; scattered dull yellow fluorescence, slow faint whitish yellow cut - Oil Shale.

HORSE BENCH SAND 2116 (+3228)

2120-2170 Sandstone, very fine-medium grained, light gray, clear quartz grains, angular to sub-rounded, poor-fair sorting, moderately calcareous, silica cement; scattered yellow fluorescence, no cut to occasional faint slow light yellow cut; Shale interbeds, gray-brown, chunky, silty, calcareous.

2170-2320 Shale, brown, dark reddish brown, dolomitic; scattered dull yellow and faint gold fluorescence, slow faint steady whitish yellow cut - Oil Shale; streaks Shale and loose quartz grains, as above.

2320-2370 Shale, gray-brown, dark gray, calcareous; grades to shaley Limestone.

2370-2420 Shale, reddish brown, gray-brown, reddish tan, chunky, dolomitic, calcareous in part; grades to Marl; faint dull yellow-gold fluorescence, fair bright whitish yellow cut - Oil Shale.

2420-2470 Shale, as above; influx Shale, reddish tan, dolomitic; fluorescence and cut, as above - Oil Shale.

2470-2570 Shale, dark brown, light reddish tan, brown, dolomitic, calcareous in part; dull gold fluorescence, faint instant whitish yellow cut, continues as a slow cloudy cut - Oil Shale.

2570-2620 Sandstone, very fine-fine grained, white, angular, loose quartz grains, fair sorting, calcite and silica cement, appears tight - cavings? Streaks Dolomite, reddish tan, earthy, microcrystalline, argillaceous-shaley; fluorescence and cut, as above - Oil Shale; primarily cavings?

2620-2670 Shale, dark gray, gray-brown, very carbonaceous, petroliferous; streaks Dolomite, microcrystalline, earthy, light tan, argillaceous; spotty questionable light brown, tan stain, light yellow-yellow fluorescence, faint instant whitish yellow cut - Oil Shale.

2670-2720 Shale, gray-tan, brown, blocky, chunky, dolomitic; trace dull yellow-gold fluorescence, instant fair flashing whitish yellow cut - Oil Shale; streaks Sandstone, very fine-fine grained, light grayish tan, well sorted, sub-angular, slightly calcareous, primarily loose quartz grains; Shale, gray, gray-tan, chunky, silty and sandy streaks - cavings?

2720-2770 Shale, as above, silty and sandy in part; fluorescence and cut, as above - Oil Shale; abundant Sandstone, very fine grained, tan, clear, light gray quartz grains, sub-angular to sub-rounded, good sorting - cavings?

2770-2820 Limestone, microcrystalline, earthy, bright tan, reddish tan, brown, gray-brown, shaley and sandy in part, dolomitic; grades to Marl; scattered dull yellow fluorescence, faint light yellow cut - Oil Shale; streaks Sandstone, fine grained, tan and clear loose quartz grains; trace tan Chert.

2820-2870 Shale, dark gray, gray-green, chunky, silty, slightly calcareous; streaks Limestone, earthy, cream, tan, argillaceous; grades to Marl.

2870-2920 Limestone, earthy, microcrystalline, cream, tan, white, dolomitic, argillaceous-shaley; streaks Shale, tan, brown, dolomitic; grades to shaley Dolomite; scattered light yellow-yellow and gold fluorescence, slow faint whitish yellow cut - Oil Shale.

2920-2970 Limestone, microcrystalline, tan, cream, brown, argillaceous, dolomitic; grades to limey Shale; scattered dull yellow and yellow fluorescence, fairly slow whitish yellow cut - Oil Shale; streaks Sandstone, very fine-fine grained, white, tan, light gray, fair sorting, angular, calcareous.

2970-3020 Limestone, as above; fluorescence and cut, as above; streaks Shale, light-medium gray, chunky, silty, slightly calcareous; streaks Sandstone, very fine-fine grained, as above - cavings?

3020-3070 Shale, light to medium gray, gray-green, silty, slightly calcareous; Sandstone, very fine grained, white, light gray, sub-rounded to sub-angular, fair

sorting, slightly calcareous, primarily loose quartz grains - cavings?

3070-3120 Limestone, micro-cryptocrystalline, tan, cream, light brown, argillaceous-shaley; Shale gray-tan, light brown, dolomitic; grades to shaley Dolomite; scattered dull yellow-yellow fluorescence, several chips yielded a fairly slow faint whitish yellow cut; Shale, as above.

3120-3170 Limestone, as above; occasional streaks Shale, light-medium gray, sub-waxy, pyritic; fluorescence and cut, as above - Oil Shale.

3170-3220 Limestone, earthy, cream, tan, argillaceous; grades to Marl; scattered dull yellow fluorescence, fair whitish yellow cut; increased Shale, reddish tan, gray, gray-green, dense, calcareous and dolomitic; fluorescence and cut, as above.

3220-3360 Shale, gray, gray-green, sub-waxy, silty, slightly calcareous; interbedded Limestone, as above; scattered dull yellow fluorescence, good bright light yellow cut; @ 3250 streaks Sandstone, very fine-fine grained light gray, clear, good sorting, primarily loose quarts grains - cavings?

3360-3420 Shale, gray-tan, gray, gray-green, sub-waxy; occasional streaks Limestone, as above; Sandstone, very fine grained, light gray, clear, sub-angular to sub-rounded, good sorting, slightly calcareous, primarily loose quartz grains, no show.

3420-3470 Shale, medium gray, gray-green, sub-waxy, silty, occasionally very silty, slightly calcareous; occasional streaks Limestone, as above.

3470-3520 Sandstone, very fine-fine grained, clear, white, light gray, primarily loose quartz grains, fair sorting, sub-angular, slightly calcareous, no show - cavings? Shale, as above.

3520-3570 Dolomite, orange, dark brown, reddish tan, argillaceous, calcareous, limey; streaks Limestone, cryptocrystalline, light bight tan, earthy, argillaceous; grades to Marl; gold fluorescence, instant whitish yellow flashing cut; streaks Shale, medium gray, gray-green, sub-waxy.

3570-3620 Limestone, cryptocrystalline, reddish tan, bright tan, argillaceous, dolomitic; grades to Marl; fluorescence and cut, as above - Oil Shale; streaks Dolomite, as above; streaks Shale, as above.

3620-3710 Shale, gray-green, gray, sub-waxy, silty, occasional steaks Limestone, as above; spotty dull yellow and yellow fluorescence, very weak flashing whitish yellow cut - Oil Shale.

2nd GARDEN GULCH 3712 (+1632)

3710-3730 Sandstone, very fine-fine grained, light gray, white, sub-angular to sub-rounded, fair sorting, slightly calcareous, tight; Shale, as above.

3730-3750 Limestone, cryptocrystalline, tan, light brown, orange, dense; steaks Dolomite, reddish brown, dense, limey in part, argillaceous; grades to dolomitic Shale; dull gold fluorescence, slow whitish yellow cut - Oil Shale.

3750-3810 Shale, pale gray, very silty, occasionally slightly calcareous; grades to shaley Siltstone; streaks Sandstone, very fine grained, occasionally fine grained, white, light gray, good sorting, sub-rounded, friable, no show.

3810-3830 Sandstone, very fine-occasionally fine grained, clear, light gray, white, sub-angular, good sorting, friable, primarily loose quartz grains; occasional streaks Shale, light gray, gray-green, sub-waxy, silty in part.

3830-3850 Limestone, cryptocrystalline, bright tan, argillaceous; grades to Marl; yellow to dull yellow-gold fluorescence, slow steady light yellow cut - Oil Shale; streaks Sandstone, as above; trace Shale, pale green, light gray-green, waxy.

3850-3865 Shale, pale green, light gray, gray-tan, chunky, silty; streaks Limestone, as above; fluorescence and cut, as above; influx Sandstone, very fine-fine grained, light gray, clear, white loose quartz grains, sub-angular, good sorting.

3864 Trip for bit and mud up @ 3797'. SLM 67' downhole correction to 3864'.

3864-3880 Dolomite, microcrystalline, earthy, tan, argillaceous; grades to Marl; streaks Shale, dark brown, blocky, dolomitic; numerous oil droplets in sample - some brown stains, light yellow-yellow fluorescence with greenish cast, fairly strong light yellow to whitish yellow cut; very poor sample.

3880-3900 Shale, brown, gray-brown, blocky, dolomitic; grades to Marl; occasional streaks Sandstone, very fine grained,

white, good sorting, slightly calcareous, clay cement, appears tight; abundant uphole cavings. Poor sample.

3900-3960 Shale, pale gray, light gray-green, occasionally silty, sub-waxy, slightly calcareous; occasional streaks Shale, as above; @ 3920 Shale becomes very silty in part.

3960-3980 Shale, pale green, gray-green, sub-waxy, very slightly calcareous; streaks Shale, reddish brown, tan, dolomitic.

Y-2 SAND 3989 (+1355)

3980-4000 Shale, as above; trace Sandstone, very fine grained, white, light gray, silty, calcareous, appears tight; several clusters with tan-brown spotty stain, dull yellow fluorescence with greenish cast, good rapid light yellow cut.

4000-4020 Sandstone, very fine grained, tan, sub-angular, good sorting, very friable, streaks fair-good porosity; spotty to even tan and gray-brown stain, fluorescence and cut, as above.

4020-4040 Shale, pale gray-green, light gray, waxy; occasional streaks Siltstone-very fine grained Sandstone, light gray, white, good sorting, appears tight; few clusters with stain, fluorescence and cut, as above; -probably cavings.

4040-4080 Shale, light-medium gray, sub-platy, chunky, slightly calcareous; occasional streaks Siltstone-very fine grained Sandstone, as above, tight, no show; abundant Shale, reddish brown, dolomitic, very limey; @ 4060 increased Shale, reddish brown, chunky, limey in part to shaley Limestone; streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, tight.

4080-4120 Shale, reddish brown, reddish tan, chunky, slightly calcareous to limey; streaks Limestone, cryptocrystalline, tan, dense, argillaceous; occasional streaks Shale, light gray, gray-green, sub-platy, slightly calcareous, silty in part.

4120-4160 Shale, pale gray, calcareous, very silty in part; grades to Siltstone, light gray, shaley, moderately calcareous; streaks Sandstone, very fine grained, white, light gray, good sorting, sub-angular, appears primarily tight, trace poor porosity; trace questionable spotty brown-black stain, no fluorescence - dry, light yellow fluorescence in cholorthane, slow weak light yellow cut.

4160-4200 Shale, light-medium gray, platy, slightly calcareous, silty streaks; trace black carbonaceous Shale; occasional streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, tight; @ 4180 streaks Shale, reddish tan, chunky, limey.

4200-4220 Shale, dark gray, dark gray-brown, platy, chippey, carbonaceous; streaks Shale, reddish brown, brown, chunky, moderately calcareous.

4220-4240 Shale, reddish brown, reddish tan, tabular, chunky, dolomitic and calcareous; streaks Limestone, cryptocrystalline, tan, argillaceous.

4240-4260 Shale and Limestone, as above; streaks Sandstone, very fine grained, light gray, white, angular to sub-angular, silty, calcareous in part, appears tight; streaks Shale, pale gray, gray-green, sub-waxy.

4260-4280 Sandstone, very fine grained, light gray, gray-green, silty, good sorting, calcareous; Shale, pale gray, gray-green, sub-waxy.

4280-4290 Sandstone, very fine grained, light gray, grayish white, tan, good sorting, angular, fairly tight, possible poor-fair porosity; few clusters have spotty to even tan, light brown stain, dull yellow, yellow-gold fluorescence - dry, becomes bright yellow in cholorthane, fairly weak whitish yellow cut.

4290-4300 Shale, light-medium gray, sub-waxy, slightly calcareous, silty in part.

4300-4320 Sandstone, very fine grained, white, clear, good sorting, sub-angular, very friable, streaks of poor-fair porosity; few clusters with light tan stain, dull yellow fluorescence, slow fairly weak light yellow cut; abundant Shale, reddish tan, reddish brown, chunky, blocky, dolomitic and calcareous; grades to Marl.

4320-4340 Shale, pale gray-green, light gray, sub-waxy, smooth; influx Shale, brown, dark gray-brown, carbonaceous in part.

YELLOW MARKER 4334 (+1010)

4340-4360 Shale, as above; streaks Limestone, cryptocrystalline, tan, earthy, dolomitic in part; abundant reddish brown Shale, as above.

4360-4400 Shale, pale green, light gray-green, chunky, sub-waxy, becomes very silty in part; trace Sandstone, very fine

grained, light green, gray-green, silty, argillaceous, tight; @ 4380 occasional streaks Siltstone, light gray, gray-green, argillaceous, slightly calcareous.

4400-4440 Shale, as above; occasional streaks Siltstone-very fine grained Sandstone, light gray, gray-green, argillaceous, slightly calcareous; abundant Shale, reddish brown, red-tan, dolomitic, occasionally limey.

4440-4480 Shale, pale gray, gray-green, sub-waxy, silty, occasionally very silty; streaks Sandstone, white, light gray, good sorting, argillaceous, slightly calcareous; @ 4460 increased Siltstone-very fine grained Sandstone, as above, tight, no show.

4480-4500 Shale, gray-brown, dark brown, chunky, sub-platy, carbonaceous.

4500-4540 Shale, gray-brown, brown, platy, carbonaceous streaks; increased Shale, gray-green, pale green, waxy, soft.

DOUGLAS CREEK 4495 (+849)

4540-4560 Shale, gray-brown, gray-green, medium gray, sub-waxy, silty streaks; increased Sandstone, very fine grained, white, good sorting, silty, slightly calcareous.

R-2 SAND 4573 (+771)

4560-4580 Sandstone, very fine grained, white, good sorting, sub-rounded, poor porosity; trace faint tan stain, dull yellow-yellow fluorescence, slow weak cut; Shale, as above.

4580-4600 Sandstone, very fine grained, tan, light brown, good sorting, sub-angular, contact silica cement, fairly tight, streaks poor to fair porosity; tan to light brown stain, brown whitish yellow fluorescence, instant fairly good persistent whitish yellow cut.

4600-4620 Sandstone, as above; fluorescence and cut, as above; Shale, pale gray, gray, sub-platy, silty in part.

4620-4660 Shale, pale green, light gray-green, platy; occasional streaks Siltstone-very fine grained Sandstone, white, good sorting, calcareous, tight.

R-5 SANDSTONE 4671 (+673)

4660-4680 Siltstone-very fine grained Sandstone, light brown, tan, good sorting, sub-rounded, streaks friable, appears fairly tight, possible poor porosity; good

even tan, brown and dark brown stain, dull yellow fluorescence with greenish cast, fairly slow persistent whitish yellow cut; streaks Shale, as above.

LOWER BENCH R-5 SANDSTONE 4691 (+673)

4680-4700 Sandstone, very fine grained, tan, brown, fair sorting, sub-angular, contact silica cement, streaks poor to fair porosity; even light brown-brown stain, bright whitish yellow fluorescence, instant good light whitish yellow cut; Shale, as above.

4700-4720 Shale, pale gray, gray-brown, brown, platy, chunky, silty in part, moderately calcareous to limey.

2nd DOUGLAS CREEK 4721 (+613)

4720-4760 Shale, pale gray, gray, platy, silty streaks, slightly calcareous; occasional streaks Siltstone-very fine grained Sandstone, light gray, white, moderately calcareous, no show.

4760=-4800 Shale, dark gray, gray-brown, platy, carbonaceous streaks; Shale, as above; rare streaks Sandstone, as above.

4800-4840 Shale, light-medium gray, platy, slightly calcareous; streaks Siltstone, light gray, white, argillaceous; influx Shale, reddish tan, blocky, chunky, limey in part; @ 4820 increased Siltstone-very fine grained Sandstone, as above.

4840-4860 Siltstone, light gray, argillaceous, calcareous; trace Sandstone, very fine grained, light gray, white, sub-angular, fair to good sorting, appears tight, possible poor porosity; scattered brown and light grayish brown stain, dull yellow-gold fluorescence with greenish cast, bright yellow fluorescence in cholorathene, fairly slow light yellow cut.

GREEN MARKER 4868 (+476)

4860-4880 Shale, dark brown, chippey, carbonaceous, calcareous in part.

4880-4920 Shale, pale gray, platy, sub-waxy, slightly calcareous, silty in part; streaks Siltstone, light gray, argillaceous, calcareous.

4920-4940 Shale, as above; influx Shale, reddish tan, chunky, dolomitic.

4940-4980 Shale, reddish tan, chunky, dolomtic, limey streaks; Shale, as above; streaks Siltstone-very fine grained Sandstone, light gray, tan, argillaceous, no visible porosity; light brown-dark gray stain, dull yellow fluorescence - dry, good bright yellow fluorescence in cholorathene, good light yellow cut - numerous oil droplets in sample - contamination.

4980-5060 Shale, pale-medium gray, light gray-green, sub-waxy, platy, slightly calcareous; streaks Shale, as above; @ 5000 occasional streaks Siltstone, white, light gray, slightly calcareous, argillaceous.

5060-5100 Shale, black, dark gray, gray-brown, chunky, carbonaceous, calcareous in part.

5100-5120 Shale, as above; influx Limestone, cryptocrystalline, tan, reddish tan, argillaceous; grades to a limey Shale; Shale, light-medium gray, platy, sub-waxy, calcareous.

5120-5140 Limestone, as above; Shale, light-medium gray, as above.

BLACK SHALE FACIES 5131 (+213)

5140-5180 Shale, black, gray-brown, chunky, carbonaceous, moderately calcareous.

5180-5200 Shale, dark gray-brown, black, carbonaceous; streaks Limestone, cryptocrystalline, tan, brown, argillaceous to shaley.

5200-5240 Shale, pale-medium gray, as above; streaks Siltstone, light gray, gray-brown, argillaceous, calcareous; streaks Shale, reddish tan, blocky, chunky, limey in part - cavings?

5240-5260 Shale, as above; increased Siltstone, gray-brown, light gray, argillaceous, calcareous.

5260-5280 Shale, dark gray, black, gray-brown, carbonaceous; Shale, as above.

5280-5300 Shale, dark gray, brown, black, flaky, chippey, carbonaceous, lignite streaks.

5300-5340 Shale, dark gray, black, platy, flaky, carbonaceous, lignite streaks.

CARBONATE MARKER 5340 (+4)

5340-5360 Shale, reddish tan, chunky, lumpy, dolomitic,

moderately calcareous; trace Limestone, earthy, microcrystalline, soft; streaks Siltstone, pale green, pale gray, argillaceous-shaley, slightly calcareous; streaks Shale, pale gray, pale green, platy, lumpy.

5360-5400 Shale, as above; occasional streaks Siltstone-very fine grained Sandstone, light gray, good sorting, appears tight, possible poor-fair porosity, questionable tan, faint dark gray spotty stain, trace whitish yellow fluorescence, fair whitish yellow cut.

5400-5420 Shale, reddish tan, lumpy, chunky, dolomitic, calcareous; grades to shaley Limestone.

5420-5460 Shale, tan, reddish tan, as above; increased Shale, light-medium gray, gray-green, silty and sandy in part; trace Sandstone, very fine to fine grained, white, light gray, sub-rounded, fair sorting, clay cement, no show; @ 5440 slight increased Siltstone-very fine grained Sandstone, light gray, calcareous, argillaceous, tight.

5460-5520 Shale, light-medium gray, as above; Shale, reddish tan, pale tan, as above; @ 5480 increased streaks Siltstone-very fine grained Sandstone, light gray, gray-green, slightly calcareous, argillaceous.

5520-5580 Shale, reddish tan, pale tan, chunky, lumpy, dolomitic, calcareous-limey in part; streaks Shale, light-dark gray; streaks Siltstone-very fine grained Sandstone, light gray, brown, tan, argillaceous, slightly calcareous; @ 5560 streaks Shale, dark gray, platy.

5580-5600 Shale, dark gray, gray, gray-brown, platy.

5600-5640 Shale, light to medium gray, platy, sub-waxy, slightly calcareous; occasional streaks Siltstone, light gray, slightly calcareous; @ 5620 slight increased Siltstone, as above; influx oil coated quartz grains - cavings.

5640-5680 Shale, pale gray, platy, slightly calcareous; increased Siltstone-very fine grained Sandstone, light gray-white, good sorting, calcareous; abundant Shale, red-tan, chunky, lumpy, dolomitic, moderately calcareous-limey; @ 5770 increased Shale, as above.

5680-5700 Sandstone, very fine grained, light gray, tan, silty, good sorting, argillaceous, appears tight; Shale, as above.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ WELL FILE _BMf #41-17 _____

Section __17___ Township __9S__ Range _17E__
API number __43-013-31466_____

☐ SUSPENSE
Return date _____
To: initials _____

☐ OTHER

Date of phone call: _____~~November~~ Dec 5, 1995_____ Time: ____8:46 AM_____

DOGM employee (name) _____Dennis L. Ingram_____ Initiated call? x

Spoke with:

Name _____Danny Farnsworth_____ Initiated call? ☐

of (company/organization) ___Equitable Resources_____ Phone no. ___801-823-6759_____

Topic of conversation: _____Reserve pit closure. _____

Highlights of conversation: ___Contacted Farnsworth about reserve pit closure and use on said location. Water evaporation tank has not been installed although it is on lease. Reserve pit is still 2/3s full and water is being drained into pit from production tanks. pit is also 75 percent oil capped. Well was completed on 11/15/95, asked him to close same.

Farnsworth told me that the pit must be an oversight and that they will start reclamation on it right away.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR EQUITABLE RESOURCES ENERGY
ADDRESS BALCRON OIL DIVISION

OPERATOR ACCT. NO. N9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
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
Title
2-22-96
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 Resouces 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.

FORM 10

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					
PALUTE FEDERAL 34-8								
4301330778	01200	09S 17E 8	GRRV					
MOCON FED 44-7								
4301330666	01205	09S 17E 7	GRRV					
PALUTE FED 11-17								
4301330516	01210	09S 17E 17	GRRV					
PALUTE FED 24-8								
4301330675	01220	09S 17E 8	GRRV					
JORNEY 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					
					TOTALS			

COMMENTS: _____

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

Name and Signature: _____ Telephone Number: _____

FORM 10

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT [ ] **(Highlight Changes)**

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

COMMENTS: _____

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

Name and Signature: _____ Telephone Number: _____

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1601 LEWIS AVE
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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 4301331400	11510	09S 16E 13	GRRV					
FEDERAL 21-9Y 4301331396	11513	09S 16E 9	GRRV					
MONUMENT FEDERAL 22-17 4301331387	11528	09S 17E 17	GRRV					
FEDERAL 44-8 4301331398	11529	09S 17E 8	GRRV					
FEDERAL 21-25Y 4301331394	11530	09S 16E 25	GRRV					
MONUMENT FEDERAL 13-8 4301331382	11574	09S 17E 8	GRRV					
MONUMENT FEDERAL 33-8 4301331427	11613	09S 17E 8	GRRV					
MONUMENT FEDERAL 43-7 4301331432	11616	09S 17E 7	GRRV					
					TOTALS			

COMMENTS:

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

Name and Signature: Telephone Number:

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MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT [ ] **(Highlight Changes)**

Well Name / API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 11-25 4304732455	11625	08S 17E 25	GRRV					
MONUMENT FEDERAL 31-17 4301331428	11635	09S 17E 17	GRRV					
MONUMENT FEDERAL 22-17 4301331429	11638	09S 17E 17	GRRV					
BALCRON MONUMENT FEDERAL 12-17 4301331431	11640	09S 17E 17	GRRV					
ALLEN FEDERAL 31-6G 4301331442	11642	09S 17E 6	GRRV					
BALCRON FEDERAL 41-19Y 4304732504	11651	09S 18E 19	GRRV					
BALCRON MONUMENT STATE 14-2 4301331425	11656	09S 17E 2	GRRV					
FEDERAL 44-4Y 4301331452	11679	09S 17E 4	GRRV					
FEDERAL 31-5Y 4304732503	11680	09S 18E 5	GRRV					
BALCRON MONUMENT FEDERAL 21-25 4304732528	11683	08S 17E 25	GRRV					
MONUMENT FEDERAL 41-17 4301331466	11692	09S 17E 17	GRRV					
MONUMENT FEDERAL 12-25 4304732526	11694	08S 17E 25	GRRV					
MONUMENT FEDERAL 42-17 4301331467	11698	09S 17E 17	GRRV					
				TOTALS				

COMMENTS:

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

Date:

Name and Signature:

Telephone Number:

FORM 10

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)
MONUMENT FEDERAL 32-17 4301331465	11704	09S 17E 17	GRRV					
MONUMENT FEDERAL 32-25 4304732524	11707	08S 17E 25	GRRV					
MONUMENT FEDERAL 31-25 4304732530	11710	08S 17E 25	GRRV					
BALCRON FEDERAL 12-22Y 4301331476	11717	08S 17E 22	GRRV					
MONUMENT FEDERAL 33-25 4304732525	11729	08S 17E 25	GRRV					
MONUMENT FEDERAL 23-25 4304732529	11730	08S 17E 25	GRRV					
BALCRON MONUMENT STATE 24-2 4304732612	11736	09S 17E 2	GRRV					
BALCRON MONUMENT STATE 13-2 4301331482	11738	09S 17E 2	GRRV					
BALCRON MONUMENT STATE 22-2 4304732610	11742	09S 17E 2	GRRV					
BALCRON MONUMENT STATE 12-2 4301331481	11745	09S 17E 2	GRRV					
BALCRON FEDERAL 31-19Y 4304732614	11751	09S 18E 19	GRRV					
BALCRON FEDERAL 42-19Y 4304732616	11756	09S 18E 19	GRRV					
BALCRON FEDERAL 12-20Y 4304732617	11758	09S 18E 20	GRRV					
					TOTALS			

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

ENTITY ACTION FORM - FORM 6

OPERATOR EQUITABLE RESOURCES ENERGY
ADDRESS BALCRON OIL DIVISION

OPERATOR ACCT. NO. N9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
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
Title

2-22-96
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 Resouces 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.

A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (SI)	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	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #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	43-013-31455	1980' 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 #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 865' FWL		Beluga
DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (SI)	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
Mavus Federal #23-8	Monument Butte	NE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31196	1847' FSL, 1947' FWL	Vernal	Beluga
Mocon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-30666	670' FSL, 683' FEL	Vernal	Beluga
Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	PND	Green River	UTU-74108		2217' FSL, 2187 FWL	Vernal	Beluga
Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	PND	Green River	U-72106		1926' FSL, 2000' FEL	Vernal	Beluga
Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL		Beluga
Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL		Beluga
Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578	1980' FSL, 1980' FWL		Beluga
Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516	661' FNL, 664' FWL	Vernal	Beluga
Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Vernal	Beluga
Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778	660' FSL, 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

N4940 - Enserch Explor. Inc. (Oper. chg. in Progress)

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

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

RECEIVED
APR - 8 1996
DIV OF OIL, GAS & MINING

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

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: See attached listing

SUNDRY NOTICES AND REPORTS ON WELLS

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

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.

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
Footages: 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)

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

Approximate date work will start

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of work completion

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

* Must be accompanied by a cement verification report.

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

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

13.
Name & Signature: Bobbie Schuman
Bobbie Schuman
Title: Regulatory and Environmental Specialist
Date: March 27, 1996

(This space for State use only)

(4\94)

(See Instructions on Reverse Side)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:
1-LEC 7-SJ
2-DTS 8-FILE
3-VLD (GIL)
4-RJF
5-LEC
6-FILM

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

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

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

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

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

Name	API	Entity	Sec	Twp	Rng	Lease Type
SEE ATTACHED	D13-31466					

OPERATOR CHANGE DOCUMENTATION

Lec 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.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above~~. (4-10-96)

Lec 6. Cardex file has been updated for each well listed above. (4-11-96)

Lec 7. Well file labels have been updated for each well listed above. (4-11-96)

Lec 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)

Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

– OVER –

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

LLC 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) #5578314 ($80,000) Seaco Ins. Co. (Bond Rider In Progress)

LLC 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

DTS 2. Copies of documents have been sent to State Lands for changes involving **State leases**.
Sent to Ed Bonner — Trust Lands

FILMING

LDR 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

9/6/96 Blm/BIA "Formal approval not necessary".

WE71/34-35

FORM 10

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT ☐ **(Highlight Changes)**

Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes OIL(BBL)	GAS(MCF)	WATER(BBL)
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					
			TOTALS			

COMMENTS:

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

Name and Signature: Telephone Number:

(12/93)

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

RECEIVED
OCT 10 1997

Inland
RESOURCES INC.

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

Patsy Barreau

/pb
encls.

RECEIVED
OCT 20 1997
DIV. OF OIL, GAS & MINING

475 Seventeenth Street, Suite 1500, Denver, CO 80202 • 303-292-0900 • FAX 303-296-4070

FORM 9

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 [X] GAS [ ] OTHER:

RECEIVED OCT 13 1997

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:

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

State:

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

NOTICE OF INTENT (Submit in Duplicate)

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

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- [ ] Abandon *
- [ ] Repair Casing
- [ ] Change of Plans
- [ ] Convert to Injection
- [ ] Fracture Treat or Acidize
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Reperforate
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] 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 10 1997

13. Name & Signature: Chris Potter CHRIS A. POTTER, ATTORNEY-IN-FACT Date: 9/30/97

(This space for State use only)

(See Instructions on Reverse Side)

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	SENW 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

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

** Inspection Item: UTU75023X

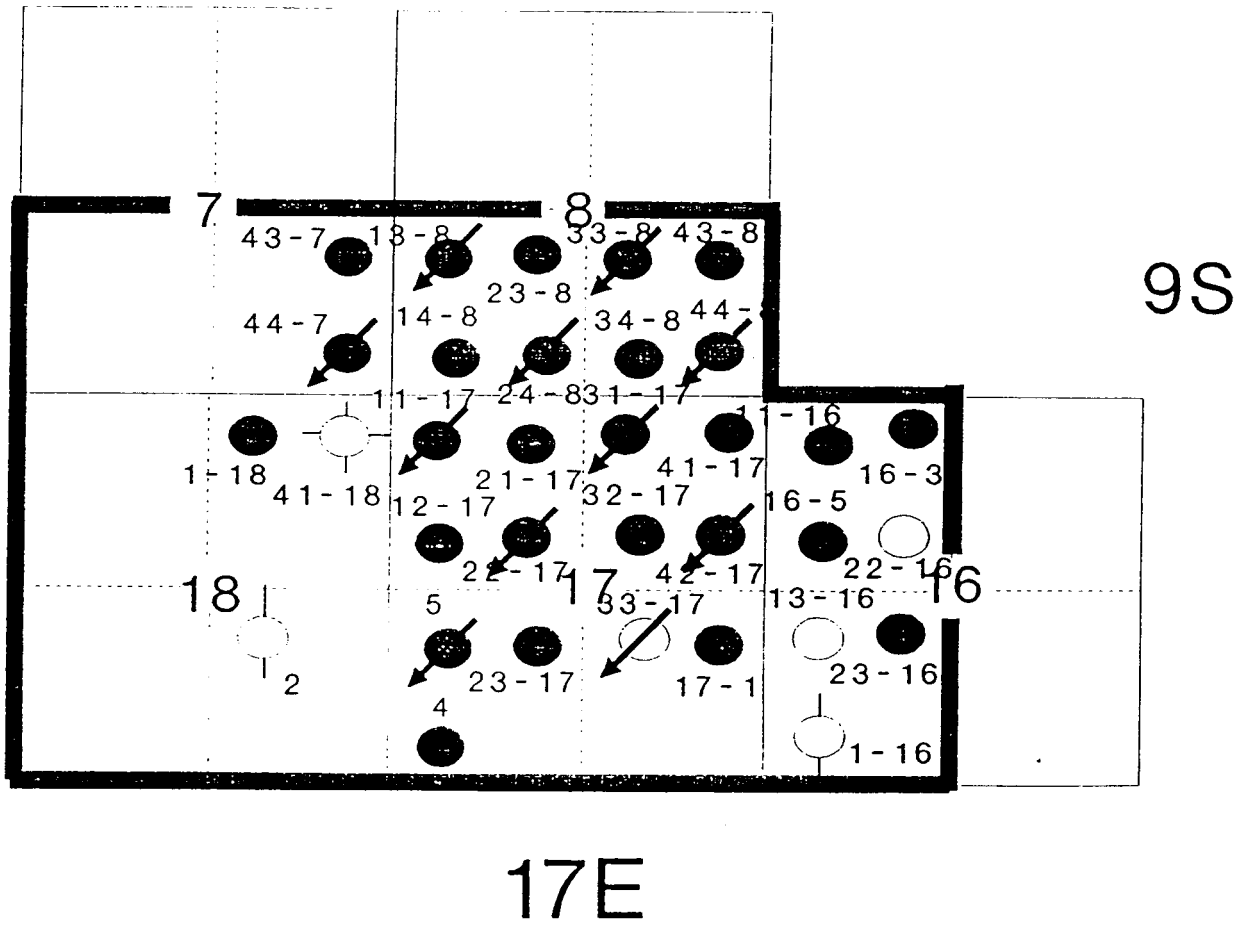
Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
STATE	4301315582	1-16 SHELL-STATE	SWSW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330332	1-18 FEDERAL	NWNE	18	T 9S	R17E	TA	EQUITABLE RESOURCES ENERGY CO
STATE	4301330616	11-16 STATE-NGC	NWNW	16	T 9S	R17E	ABD (WIW)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

1250

BELUGA (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: FEBRUARY 1, 1996



— UNIT OUTLINE (UTU75023X)

2,223.13 ACRES

SECONDARY ALLOCATION	
FEDERAL	89.74%
STATE	10.26%

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

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

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

XXX Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

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

TO: (new operator) INLAND PRODUCTION CO.
(address) PO BOX 1446
ROOSEVELT UT 84066
Phone: (435)722-5103
Account no. N5160

FROM: (old operator) EQUITABLE RESOURCES ENERGY
(address) C/O CRAZY MTN O&G SVS'S
PO BOX 577
LAUREL MT 59044
Phone: (406)628-4164
Account no. N9890

WELL(S) attach additional page if needed: *BELUGA (GREEN RIVER) UNIT

Name:	API:	Entity:	S	T	R	Lease:
SEE ATTACHED	43-013-31466					

OPERATOR CHANGE DOCUMENTATION

Lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 3-10-97)

Lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-20-97)

N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) _____ If yes, show company file number: _____.

Lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY**. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.

Lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (3-11-98) * Quattro Pro & DBASE (kic) 3-11-98.

Lec 6. **Cardex** file has been updated for each well listed above. (3-11-98)

Lec 7. Well **file labels** have been updated for each well listed above. (3-11-98)

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (3-11-98)

Lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

dons\wpdocs\forms\operchng

- OVER -

OPERATOR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Lec 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.

N/A/Lec 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/Lec 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.

N/A/Lec 2. A **copy of this form** has been placed in the new and former operator's bond files.

N/A/Lec 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

Lec 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/Lec 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

1. All attachments to this form have been **microfilmed**. Today's date: 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 Aprv. 3-2-98.

FORM 10

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 1 / 98

AMENDED REPORT ☐ **(Highlight Changes)**

Well Name / API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes OIL(BBL)	GAS(MCF)	WATER(BBL)
SUE MORRIS 16-3 / 4301330562	11880	09S 17E 16	GRRV			ML3453B	Beluga (GR) Unit	
D. DUNCAN ST 16-5 / 4301330570	11880	09S 17E 16	GRRV			"		
FEDERAL D M D 17-1 / 4301330689	11880	09S 17E 17	GRRV			U44430		
PAIUTE FEDERAL 43-8 / 4301330777	11880	09S 17E 8	GRRV			U7978		
PAIUTE FEDERAL 34-8 / 4301330778	11880	09S 17E 8	GRRV			"		
MAXUS FEDERAL 23-8 / 4301331196	11880	09S 17E 8	GRRV			U007978		
MONUMENT FEDERAL 21-17 / 4301331387	11880	09S 17E 17	GRRV			U3563A		
FEDERAL 14-8 / 4301331398	11880	09S 17E 8	GRRV			U007978		
BALCRON MONUMENT FEDERAL 12-17 / 4301331431	11880	09S 17E 17	GRRV			UTU72106		
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			"		
MONUMENT STATE 23-16-9-17B / 4301331578	11880	09S 17E 16	GRRV			ML3453B		
					TOTALS			

COMMENTS:

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

Name and Signature: Telephone Number:

(12/93)

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

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure
1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

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

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

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

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UTU-

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77376X
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79485X
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Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — **Merger**

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

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

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

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

JUL 23 2009

Ref: 8P-W-GW
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Additional Well: Beluga Area Permit
Additional Testing Required on Injection well
UIC Permit No. UT20798-00000
Well ID: UT20798-08429
Monument Federal 41-17-9-17
660' FNL & 660' FEL
NE NE Sec. 17 T9S-R17E
Duchesne County, Utah
API #43-013-31466

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Monument Federal 41-17-9-17 to an enhanced recovery injection well under the Beluga Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Beluga Area Permit No. UT20798-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3,512 feet and the top of the Wasatch Formation, estimated at 5,881 feet.

RECEIVED
JUL 27 2009
DIV. OF OIL, GAS & MINING

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval the results of a Part 1 (Internal) mechanical integrity test (MIT), a pore pressure calculation of the injection interval, and an EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

Within a 180-day Limited Authorizaton to Inject Period, the Permittee shall submit a Radioactive Tracer Survey demonstrating confinement of the injectate to the authorized injection interval.

The initial Maximum Allowable Injection Pressure (MAIP) for the Monument Federal No 41-17-9-17 was determined to be 1,675 psig. UIC Area Permit UT20798-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

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

Sincerely,

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

Encl: Authorization for Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Proposed Conversion Schematic: Monument Federal No. 41-17-9-17
P&A Schematic: Monument Federal No. 41-17-9-17
EPA Form No. 7520-13 (Plugging Record)

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

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

All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit No: 20798-00000

TheBeluga Unit Final UIC Area Permit No.UT20798-00000, effective October 25, 1996 authorizes Class II authorized fluid injection for the purpose of enhanced oil recovery in the Monument Butte Field. May 26, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Federal 41-17-9-17
Beluga Area Permit UT20798-00000
NE NE (660' FNL & 660' FEL) Section 17 – T9S – R17E
Duchesne County, Utah
API No. 43-013-31466

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20798-00000 authorizes the Permittee to construct and/or convert, or plug and abandon additional enhanced recovery injection wells within the Area Permit. This well was determined to satisfy additional well criteria required by the Permit.

This well is subject to all provisions of UIC Area Permit No. UT20798-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the Permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: JUL 23 2009

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

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

Printed on Recycled Paper

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Federal No. 41-17-9-17
EPA Well ID Number: UT20798-08429

Prior to Commencing Injection Operations, the Permittee shall submit the following information:

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

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required to demonstrate no significant upward migration of injection fluids behind the casing from the injection zone. It is intended that a maximum of 180 days of injection will allow the injection zone to adequately pressurize prior to executing the RTS.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

Approved Injection Zone: Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,512 feet to the top of the Wasatch Formation, at an estimated depth of 5,881 feet (KB).

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,675 psig, based on the following calculation:

MAIP = [FG - (0.433)(SG)] * D, where
FG = 0.86 psi/ft. SG = 1.015 D = 3,994 feet (top perforation depth KB)
MAIP = 1,675

UIC Area Permit No. UT20798-00000 provides the opportunity for the Permittee to request a change of the MAIP based upon the submitted results of a Step-Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

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

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

Demonstration of Mechanical Integrity:

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

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

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

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

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

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Bench from approximately 2,660 feet to 2,835 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 175-foot balanced cement plug inside the 5-1/2 inch casing from approximately 2,660 feet – 2,835 feet (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the contact between the Uinta Formation and Green River Formation 1,270 feet – 1,390 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2 inch casing from approximately 1,270 feet – 1,390 feet (KB).

PLUG NO. 4: Set a Class "G" cement plug within the5-1/2 inch casing to 350 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Federal No. 41-17-9-17
EPA Well ID Number: UT20798-08429

Underground Sources of Drinking Water (USDWs): USDWs in the Beluga Area Permit generally occur within the Uinta Formation. According to *"Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,"* the base of moderately saline ground water may be found at approximately 134 ft. below ground surface in the Federal No. 41-17-9-17.

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

Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:
- TDS of the produced Garden Gulch and Douglas Creek Members: 15,579 mg/l.

The blended **injectate** (8,822 mg/l) is produced water from the Johnson Water District pipeline and/or water from the Green River pipeline, and water from Green River Formation wells proximate to the Federal No. 41-17-9-17.

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

Confining Zone: The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 62 feet of shale between the depths of 3,450 feet and 3,512 feet (KB).

Injection Zone: The Injection Zone at this well location is approximately 2,369 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,512 feet (KB) to the top of the Wasatch Formation which is estimated to be at 5,881 feet (KB). All formation tops are based on correlations to the Newfield Production Federal No. 1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL does not show 80% or greater cement bond index in the Confining Zone (3,450 feet – 3,512 feet KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8 inch casing is set at 301 feet (KB) in a 12-1/4 inch hole, using 240 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2 inch casing is set at 5,704 feet (KB) in a 7-7/8 inch hole secured with 480 sacks of cement. Total driller depth 5,700 feet. Plugged back total depth (PBTD) is 5,664 feet. EPA calculates top of cement at 2,593 feet. Estimated CBL top of cement is 2,100 feet.

Perforations: Top perforation: 3,994 feet (KB). Bottom perforation: 4,970 feet (KB)

AREA OF REVIEW (AOR) WELLS: NO CORRECTIVE ACTION.

Monument Butte Fed. No. 44-8-9-17	API: 43-013-30643	SE SE Sec. 17-T9S–R17E
Beluga Fed. No. B-17-9-17	API: 43-013-33573	(SL) SW SE Sec. 8-T9S-R17E (BHL)NW NE Sec. 17-T9S–R17E
Beluga Fed. No. I-17-9-17	API: 43-013-34121	(SL) NE NE Sec. 17-T9S-R17E (BHL) SW NE Sec. 17-T9S-R17E
Beluga Fed. No. F-16-9-17	API: 43-013-34045	(SL) NW NW Sec. 16-T9S-R17E (BHL) SE NE Sec/ 17-T9S-R17E
Monument State No 11-16-9-17 UT20798-030616	API: 43-013-30616	NW NW Sec. 16-T9S-R17E
Balcron Monument Fed. No. 31-17-9-17 UT20798-04315	API: 43-013-31428	NW NE Sec. 17-T9S-R17E
Balcron Monument Fed. No. 42-17-9-17 UT20798-04317	API: 43-013-31467	SE NE Sec. 17-T9S-R17E

Reporting of Noncompliance:

(a) Anticipated Noncompliance: The Operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with Permit requirements.

(b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.

(c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

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

(a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.

(b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

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

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

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

OMB No. 2040-0042 Approval Expires 1/31/05

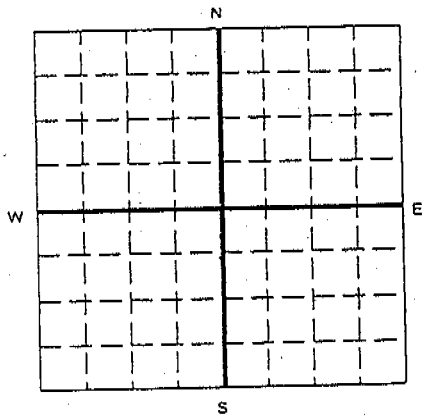
EPA

United States Environmental Protection Agency
Washington, DC 20460

WELL REWORK RECORD

Name and Address of Permittee	Name and Address of Contractor

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number

Surface Location Description

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

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

Surface Location ____ ft. frm (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section.

WELL ACTIVITY	Total Depth Before Rework	TYPE OF PERMIT
☐ Brine Disposal ☐ Enhanced Recovery ☐ Hydrocarbon Storage	Total Depth After Rework	☐ Individual ☐ Area Number of Wells ____
Lease Name	Date Rework Commenced	Well Number
	Date Rework Completed	

WELL CASING RECORD -- BEFORE REWORK

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

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

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

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE	
	Log Types	Logged Intervals

Certification

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

Name and Official Title *(Please type or print)*	Signature	Date Signed

EPA Form 7520-12 (Rev. 8-01)

UT20798-08429

Monument Federal #41-17-9-17

Spud Date: 11/09/94
Completion Date: 12/14/95
GL: 5335.6' KB:5345.6 ' KB (10' KB)

Proposed Injection
Wellbore Diagram

Initial Production: 82 BO, NM MCFG, 0 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 303.8' (7 jts) Base USDWs 134'
DEPTH LANDED: 301' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 240 sxs "G" cement

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5694.41' (132 jts)
DEPTH LANDED: 5704.41' KB
HOLE SIZE: 7-7/8" Green River 1328'
CEMENT DATA: 230 sxs Super "G" cement + 250 sks 50/50 Poz
CEMENT TOP AT: 2100' KB from CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 128 jts (3950.25')
TUBING ANCHOR: 3962.60' KB
NO. OF JOINTS: 33 jts (1040.02')
SEATING NIPPLE: 2 7/8" x 1.1'
SN LANDED AT: 5003.72' KB
PERFORATED SUB: 2 7/8" x 3.2'
MUD ANCHOR: 2 7/8" x 29.5'
TOTAL STRING LENGTH: EOT @ 5036.42' KB

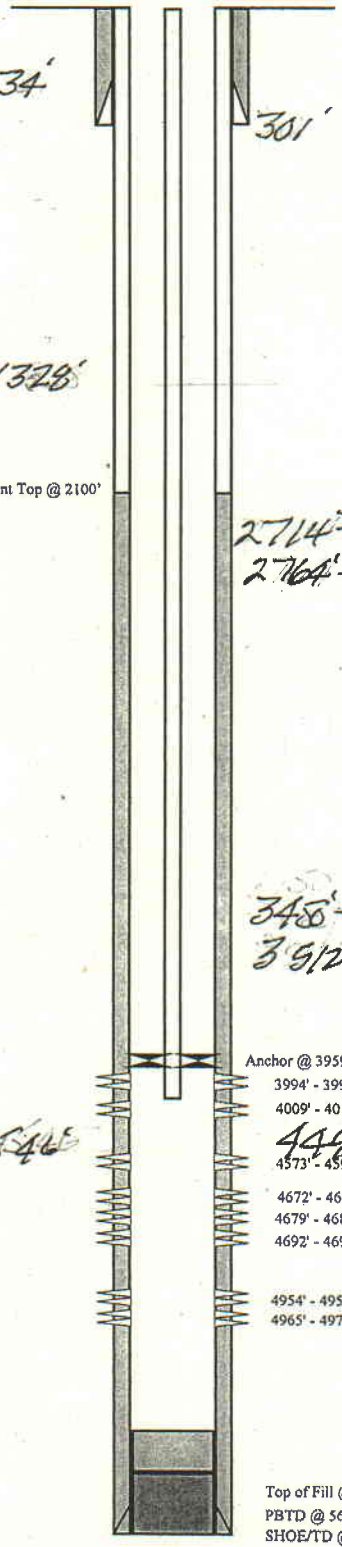
FRAC JOB

11/25/94 4954' - 4970' Frac zone as follows:
51,000 # 16/30 sand in 455 bbls 2% KCl wtr. 2240 psi @ 30.5 bpm, ISIP-2100 psi. Calc. Flush: 4965 gal. Actual flush: 4956 gal.

11/29/94 4573'- 4698' Frac zone as follows:
128,360 # 16/30 sand in 827 bbls 2% KCl wtr. Average treating pressure 2350 psi @ 35 bpm, ISIP-2350 psi. Calc. Flush: 4573 gal. Actual flush: 4515 gal.

12/1/94 3994' - 4018' Frac zone as follows:
69,320 # 16/30 sand in 1650 bbls 2% KCl wtr. Average treating pressure 2300 psi @ 31 bpm, ISIP- 2080 psi. Calc. Flush: 3994 gal. Actual flush: 3992 gal.

9/13/03 Stuck pump. Update rod details.



2714'-2764' Trona
2764'-2784' Mahogany Bench

3480'-3512' Confining Zone
3512' Garden Gulch

80% Bond 4462'-4546' 4494' Douglas Creek

PERFORATION RECORD

11/30/94	3994' - 3996'	4 SPF	08 holes
11/30/94	4009' - 4018'	4 SPF	36 holes
11/28/94	4573' - 4590'	4 SPF	68 holes
11/28/94	4672' - 4674'	4 SPF	08 holes
11/28/94	4679' - 4685'	4 SPF	24 holes
11/28/94	4692' - 4698'	4 SPF	24 holes
11/23/94	4954' - 4957'	4 SPF	12 holes
11/23/94	4965' - 4970'	4 SPF	20 holes

NEWFIELD

Monument Butte Federal #41-17-9-17
660' FNL & 660' FEL
NE/NE Section 17-T9S-R17E
Duchesne Co, Utah
API #43-013-31466; Lease #UTU-72106

Est. Basal Carbonate 5756'
Est. Wasatch 5881'

CT 5/21/09

Form Approved UMB No 2040-0042

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

PLUGGING RECORD

NAME AND ADDRESS OF PERMITTEE	NAME AND ADDRESS OF CEMENTING COMPANY

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N

W E

S

STATE	COUNTY	PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of Section ____ Township ____ Range____

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location ____ ft. from (N/S) ____ Line of quarter section

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

TYPE OF AUTHORIZATION

- o Individual Permit
- o Area Permit
- o Rule

Number of Wells ____

Lease Name

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN WELL(FT)	HOLE SIZE

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- o CLASS I
- o CLASS II
  - o Brine Disposal
  - o Enhanced Recovery
  - o Hydrocarbon Storage
- o CLASS III
- o The Balance Method
- o The Dump Bailer Method
- o The Two-Plug Method
- o Other

CEMENTING TO PLUG AND ABANDONED DATA	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)							
Depth to Bottom of Tubing or Drill Pipe (ft.)							
Sacks of Cement To Be Used (each plug)							
Slurry Volume To Be Pumped (cu. ft.)							
Calculated Top of Plug (ft.)							
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)							
Type cement or other material (Class III)							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

From	To	From	To

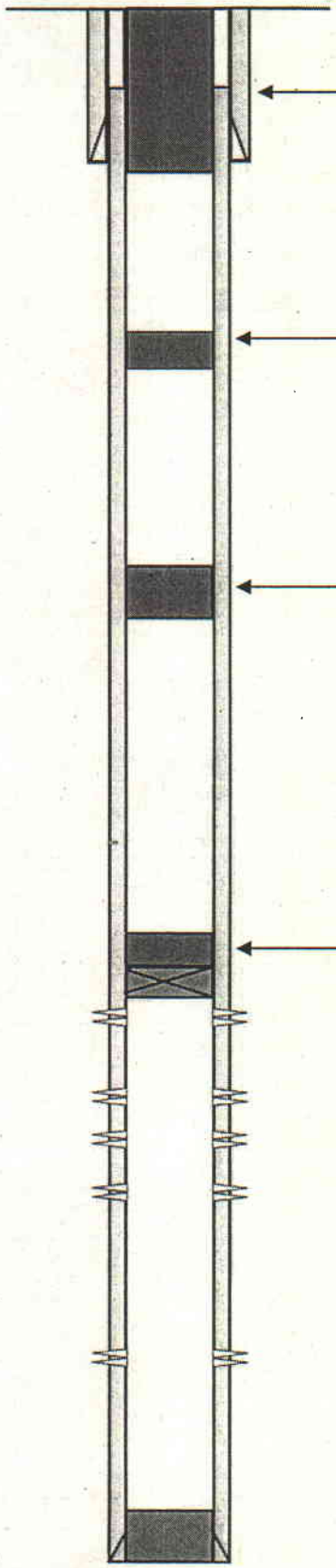
Signature of Cementer or Authorized Representative	Signature of EPA Representative

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (REF. 40 CFR 122.22)

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED

Plugging and Abandonment Diagram for Monument Fed. No. 41-17-9-17



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing surface to 350 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

Plug 3: Perforate and squeeze cement up the backside of the casing across the contact between the Uinta Formation and Green River Formation 1,268 feet – 1,388 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the casing from approximately 1,268 feet – 1,388 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and the Mahogany Bench from approximately 2,665 feet –2,835 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 170-foot balanced cement plug inside the casing from approximately 2,665 feet –2,835 feet.

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

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: MONUMENT FED 41-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301331466

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

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

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 660 FNL 660 FEL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 17, T9S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[X] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[ ] OTHER: -
05/10/2010	[X] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 05/05/10.
New intervals added: 5444-5448' 3JSPF, 5399-5401' 3 JSPF, 5394-5396' 3 JSPF, 5358-5361' 3 JSPF, and 4840-4844' 3 JSPF.
On 05/05/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/10/2010 the casing was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20798-08429 API# 43-013-31466

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

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

SIGNATURE Lucy Chavez-Naupoto DATE 05/12/2010

(This space for State use only)

RECEIVED
MAY 17 2010
DIV. OF OIL, GAS & MINING

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
USA UTU-72106

6. If Indian, Allottee or Tribe Name.

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
MONUMENT FED 41-17

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301331466

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

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
GREATER MB UNIT

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
660 FNL 660 FEL

NENE Section 17 T9S R17E

11. County or Parish, State
DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well has been converted from a producing oil well to an injection well on 05/05/10.
New intervals added: 5444-5448' 3JSPF, 5399-5401' 3 JSPF, 5394-5396' 3 JSPF, 5358-5361' 3 JSPF, and 4840-4844' 3 JSPF.
On 05/05/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/10/2010 the casing was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20798-08429 API# 43-013-31466

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

Title
Administrative Assistant

Signature

Date
05/12/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

RECEIVED
MAY 17 2010
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 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 5 / 10 / 10
Test conducted by: James Bird
Others present: Cole Harris

Well Name: Monument Federal 41-17-9-17 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: NE/NE Sec: 17 T 9 N/(S) R 17 (E)/W County: Duchesne State: UT
Operator: Newfield
Last MIT: ___ / ___ / ___ Maximum Allowable Pressure: _____ PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	300 psig	psig	psig
End of test pressure	300 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1425 psig	psig	psig
5 minutes	1425 psig	psig	psig
10 minutes	1425 psig	psig	psig
15 minutes	1425 psig	psig	psig
20 minutes	1425 psig	psig	psig
25 minutes	1425 psig	psig	psig
30 minutes	1425 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[✓] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]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: _____

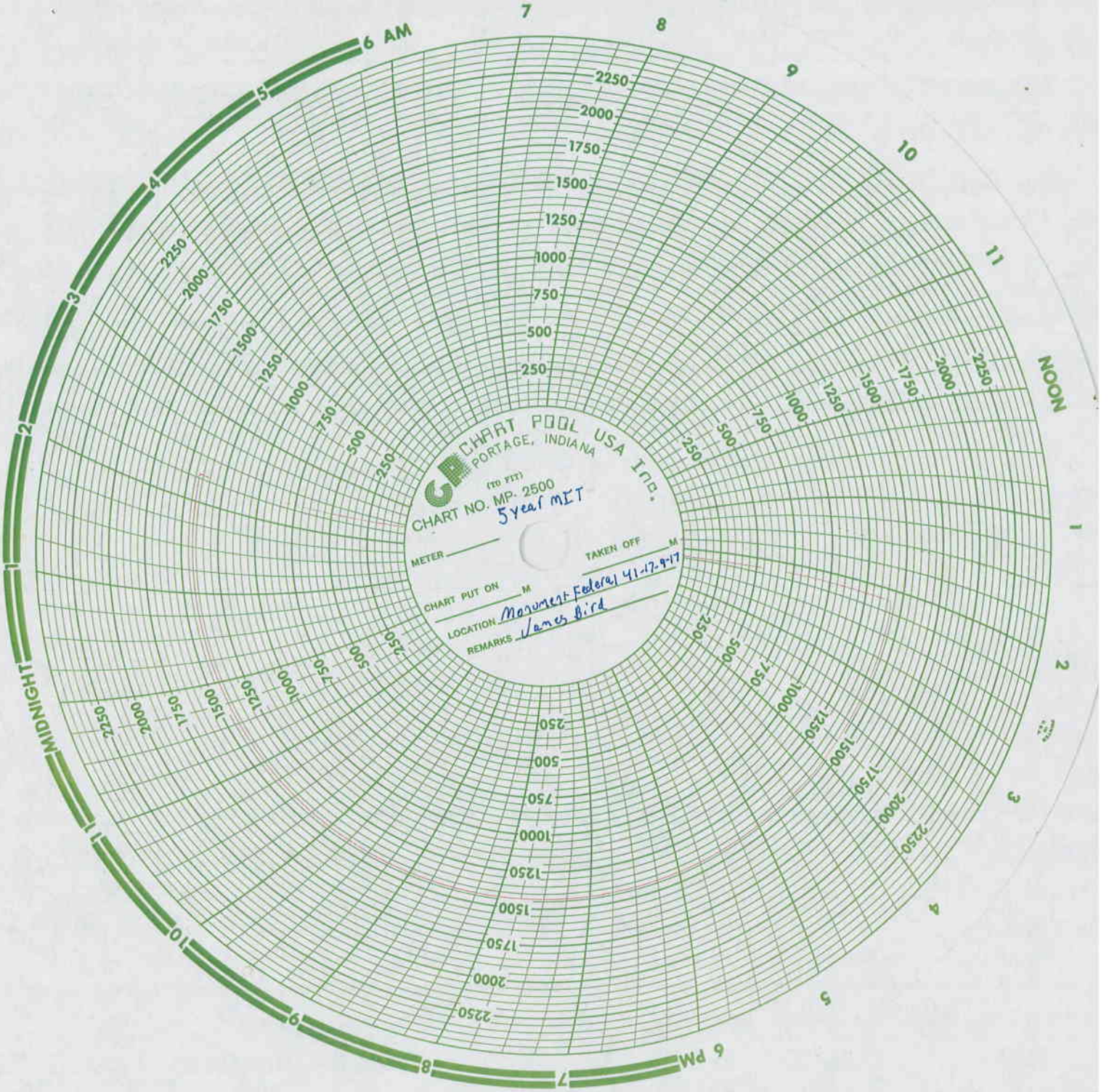


CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP. 2500
5 year MIT
METER
TAKEN OFF M
CHART PUT ON M
LOCATION Monument Federal 41-17-9-17
REMARKS James Bird
6 AM
7
8
9
10
11
NOON
1
2
3
4
5
6 PM
7
8
9
10
11
MIDNIGHT
1
2
3
4
5
6
250
500
750
1000
1250
1500
1750
2000
2250

Daily Activity Report

Format For Sundry

MON 41-17-9-17

3/1/2010 To 7/30/2010

5/1/2010 Day: 1 **Conversion**

Nabors #809 on 5/1/2010 - LD rod string & pump. - MIRU Nabros rig #809. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 1 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH W/ add'l 40 BW.
Daily Cost: $0
Cumulative Cost: ($8,258)

5/3/2010 Day: 2 **Conversion**

Nabors #809 on 5/3/2010 - Start TOH W/ production tbg. - RU HO trk & flush tbg W/ 30 BW @ 250°F (well is circulating). ND wellhead & release TA @ 3963'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 96 jts. Re-circulated tbg twice more on TOH W/ 60 add'l BW. SIFN.
Daily Cost: $0
Cumulative Cost: ($2,601)

5/4/2010 Day: 4 **Conversion**

Nabors #809 on 5/4/2010 - RU BJ services. Frac new perforations. LD N-80 tbg - - RU HO trk & Circulate well W/ 60 BW @ 250°F. Con't Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 35 jts & BHA. RU Perforators LLC WLT & packoff. RIH W/ 4 3/4" gauge ring & 5-3 1/8" ported perf guns. Ran gauge ring to 5500' (clean). Perf new intervals W/ 3 JSPF as follows: CP2 sds @ 5444-5448'; CP1 sds @ 5394-5396' & 5399-5401'; CP .5 sds @ 5358-5361' and B2 sds @ 4840-4844' (11g, 0.36 EH, 16.82 pen.). RDWLT. Talley, PU & TIH W/ Weatherford "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 8rd 6.5# N-80 tbg. Isolated 4 spots to breakdown all new perfs. None would break @ 5000 psi. Ordered acid. Re-isolated, spotted acid & broke each set (combined CP1 perfs). W/ RBP set @ 5488', pulled EOT to 5324'. Installed frac valve & subs. Left packer unset. SIFN. - RU BJ services frac stage #1 as detailed in stimulation report. Open well to flat tank for flowback. Flow well @ 3 BPM for 1 hr to recover 220 bbls. Release PKR. TIH w/ tbg to tag sand @ 5453'. 5' sand. Clean out sand to RBP @ 5488'. Lacth onto & release RBP. TOOH w/ 19 jts tbg. Set RBP @ 4875'. TOOH w/ 2 jts tbg. Set PKR @ 4808'. EOT @ 4818' RU BJ services. Frac stage # 2 as detailed in stimulation report. RU flow back equipment. Flow back well for 1 hr to recover 80 bbls. EWTR 284 BBLS. Release PKR. TIH w/ tbg to tag sand @ 4870. 5' sand. Clean out sand to RBP @ 4875'. Latch onto & Release RBP. TOOH laying down N-80 workstring. Get out of hole w/ 174 jts N-80 tbg (flushed w/ 60 bw on TOOH). LD tools. MUWeatherford Arrowset 1-X PKR & new PSN. TIH w/ tbg detail @ follows. 126 - 2 7/8" J-55 6.5# EUE tbg. Get in hole w/ tbg. Pump 40 bw & drop standing valve. Pressure test tbg to 3000 psi. SDFN EWTR 384 BBLS - RU BJ services frac stage #1 as detailed in stimulation report. Open well to flat tank for flowback. Flow well @ 3 BPM for 1 hr to recover 220 bbls. Release PKR. TIH w/ tbg to tag sand @ 5453'. 5' sand. Clean out sand to RBP @ 5488'. Lacth onto & release RBP. TOOH w/ 19 jts tbg. Set RBP @ 4875'. TOOH w/ 2 jts tbg. Set PKR @ 4808'. EOT @ 4818' RU BJ services. Frac stage # 2 as detailed in stimulation report. RU flow back equipment. Flow back well for 1 hr to recover 80 bbls. EWTR 284 BBLS. Release PKR. TIH w/ tbg to tag sand @ 4870. 5' sand. Clean out sand to RBP @ 4875'. Latch

onto & Release RBP. TOOH laying down N-80 workstring. Get out of hole w/ 174 jts N-80 tbg (flushed w/ 60 bw on TOOH). LD tools. MUWeatherford Arrowset 1-X PKR & new PSN. TIH w/ tbg detail @ follows. 126 - 2 7/8" J-55 6.5# EUE tbg. Get in hole w/ tbg. Pump 40 bw & drop standing valve. Pressure test tbg to 3000 psi. SDFN EWTR 384 BBLS - RU HO trk & Circulate well W/ 60 BW @ 250°F. Con't Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 35 jts & BHA. RU Perforators LLC WLT & packoff. RIH W/ 4 3/4" gauge ring & 5-3 1/8" ported perf guns. Ran gauge ring to 5500' (clean). Perf new intervals W/ 3 JSPF as follows: CP2 sds @ 5444-5448'; CP1 sds @ 5394-5396' & 5399-5401'; CP .5 sds @ 5358-5361' and B2 sds @ 4840-4844' (11g, 0.36 EH, 16.82 pen.). RDWLT. Talley, PU & TIH W/ Weatherford "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 8rd 6.5# N-80 tbg. Isolated 4 spots to breakdown all new perfs. None would break @ 5000 psi. Ordered acid. Re-isolated, spotted acid & broke each set (combined CP1 perfs). W/ RBP set @ 5488', pulled EOT to 5324'. Installed frac valve & subs. Left packer unset. SIFN. -
Daily Cost: $0
Cumulative Cost: $57,510

5/10/2010 Day: 5 **Conversion**

Nabors #809 on 5/10/2010 - Check tbg test. Land tbg. Test csg. RDMOSU - Check tbg pressure. TBG 2300 psi. Bump tbg up to 3000 psi. Watch for 30 min. Good test. Bleed off tbg. RIH w/ sandline. Latch onto & unseat standing valve. POOH w/ sandline. RD sandline. RD workfloor. ND BOP. MU B-1 adapter flange. Pump 65 bbls pkr fluid. Set pkr. Land tbg on wellhead w/ 18000# tension. Pressure up csg to 1400 psi. Watch for 30 min. Lost 40 psi. Continue to watch for additional 30 min. 1360 psi. No loss. Good test. RDMOSU. READY FOR MIT!
Daily Cost: $0
Cumulative Cost: $62,245

5/11/2010 Day: 6 **Conversion**

Rigless on 5/11/2010 - MIT on well - On 5/5/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Monument Federal 41-17-9-17). On 5/10/2010 the csg was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 300 psig during the test. There was not an EPA representative available to witness the test. EPA# UT# 20798-00000 API# 43-013-31466 **Finalized**
Daily Cost: $0
Cumulative Cost: $87,565

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

JUN 04 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT20798-08429
Well: Monument Federal 41-17-9-17
NENE Sec. 17-T9S-R17E
Duchesne County, Utah
API No.: 43-013-31466

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) May 12, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20798-08429.

As of the date of this letter, Newfield is authorized to commence injection into the Monument Federal 41-17-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,675 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. If Newfield seeks a higher MAIP than 1,675 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20798-08429.

RECEIVED
JUN 17 2010
DIV. OF OIL, GAS & MINING

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-GW.

Sincerely,

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

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: MONUMENT FED 41-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301331466

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

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

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 660 FNL 660 FEL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 17, T9S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[X] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
06/11/2010	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[ ] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Put on Injection
	[X] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

The above reference well was put on injection at 9:00 AM on 06-11-2010.

EPA # UT20798-08429 API # 43-013-31466

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

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

SIGNATURE Lucy Chavez-Naupoto DATE 06/11/2010

(This space for State use only)

RECEIVED
JUN 21 2010
DIV. OF OIL, GAS & MINING

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

SEP 17 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Underground Injection Control (UIC)
Authorization to Continue Injection
EPA UIC Permit UT20798-08429
Well: Monument Federal 41-17-9-17
NENE Sec. 17-T9S-R17E
Duchesne County, UT
API No.: 43-013-31466

Dear Mr. Guinn:

The Environmental Protection Agency (EPA), Region 8, received the results of the August 11, 2010, Radioactive Tracer Survey (RTS) for the Monument Federal 41-17-9-17 well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,675 psig.

As of the date of this letter, EPA hereby authorizes continued injection into the Monument Federal 41-17-9-17 well under the terms and conditions of UIC Permit UT20798-08429.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a Step Rate Test (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

RECEIVED
OCT 12 2010
DIV. OF OIL, GAS & MINING

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

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

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20798-08429.

If you have questions regarding the above action, please call Emmett Schmitz at 303-312-6174 or 1-800-227-8917, ext. 312-6174.

Sincerely,

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

cc: Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Frances Poowegup, Vice-Chairwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg
Regulatory Analyst
Newfield Production Company

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-72106

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: MONUMENT FED 41-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013314660000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 17 Township: 09.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 10/7/2014
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: W/O MIT - Concentric Injecti

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

The above subject well had workover procedures performed - Water Isolation/Concentric Injection. Workover MIT on the above listed well. On 10/07/2014 the csg was pressured up to 1499 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure for the 1.6 tbg was 640 psig and the tbg pressure for the 2-7/8" was 800 psig during the test. There was not a EPA representative available to witness the test. EPA # UT22197-08429

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 15, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician

SIGNATURE	DATE
N/A	10/13/2014

RECEIVED: Oct. 13, 2014

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 10 / 07 / 14
Test conducted by: Bobby DRAKE
Others present: _____

-08429

Well Name: Monument Fed 41-17-9-17 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: 41 Sec: 17 T 9 N/S R 17 E/W County: Duchesne State: UT
Operator: Newfield Exploration
Last MIT: ___ / ___ / ___ 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: (1 3/8) 640 (2 7/8) 800 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE* 2 7/8		
Initial Pressure 1.6	640 800 psig	psig	psig
End of test pressure	640 800 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1504 psig	psig	psig
5 minutes	1503 psig	psig	psig
10 minutes	1503 psig	psig	psig
15 minutes	1501 psig	psig	psig
20 minutes	1501 psig	psig	psig
25 minutes	1500 psig	psig	psig
30 minutes	1499 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[✓] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

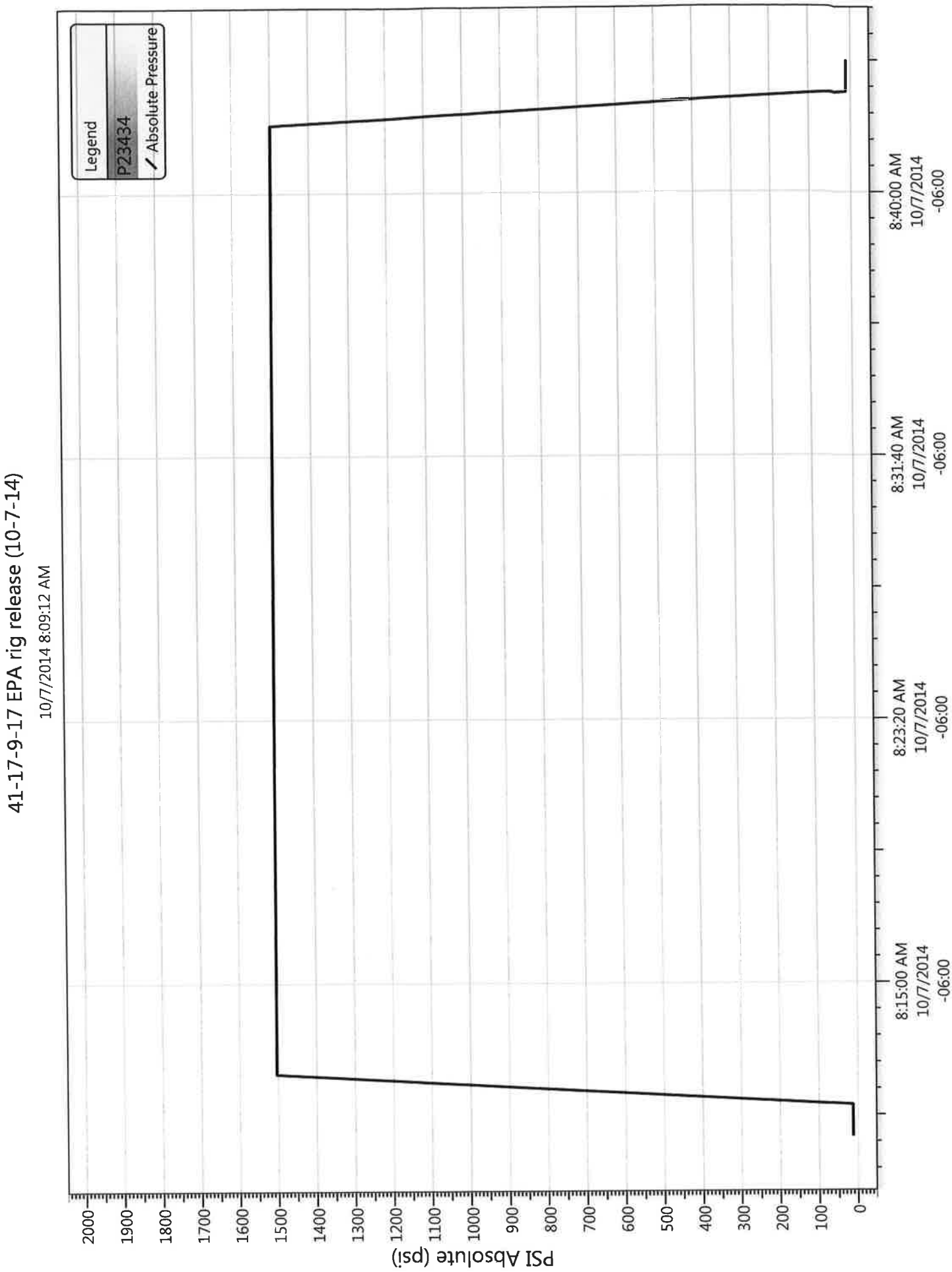
Does the annulus pressure build back up after the test ? [ ] Yes [✓] No

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: _____


41-17-9-17 EPA rig release (10-7-14)
10/7/2014 8:09:12 AM
Legend
P23434
Absolute Pressure
PSI Absolute (psi)
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
8:15:00 AM 10/7/2014 -06:00
8:23:20 AM 10/7/2014 -06:00
8:31:40 AM 10/7/2014 -06:00
8:40:00 AM 10/7/2014 -06:00

NEWFIELD

Job Detail Summary Report

Well Name: Mon 41-17-9-17

Jobs

Primary Job Type	Job Start Date	Job End Date
Reconfigure Tubing / Components	10/1/2014	10/7/2014

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/1/2014	10/1/2014	MIRU

Start Time	End Time	Comment
03:00	04:00	Crew Travel & Safety mtg
04:00	07:00	Load out & move from GMBU H-7 To MON FED 41-17, Wait on INJ Building to be moved & pit to be dug, MIRU
07:00	09:30	Start flowing well back, Flowed back 229 BBLS H20
09:30	11:00	ND Well head, Strip on 5000# BOPS, RU Floor & TBG Works, Unset 5 1/2" B-2 TAC, Flush TBG W/ 50 BBLS H2O @ 800 PSI
11:00	12:30	TOOH W/ 126 JTS 2 7/8" TBG, LD 5 1/2" Arrowset-1 PKR
12:30	15:15	PU & TIH W/ 5 1/2" Bit & scraper, PSN & 126 JTS, PU 53 JTS, Tag fill @ 5589, 38' of fill, LD 32 JTS, EOT @ 4598'
15:15	17:30	Pump 8 BBLS H2O 15% HCL, Chase to EOT W/ 22 BBLS H2O, REV Acid out W/ 45 BBLS H2O, CIRC SV To PSN, Test TBG To 3000 PSI OK, RU & RIH W/ Sandline RET SV, CW
17:30	18:30	Crew Travel

Report Start Date	Report End Date	24hr Activity Summary
10/2/2014	10/2/2014	TOOH W/ Bit & scraper & TIH W/ PROD PKRS

Start Time	End Time	Comment
06:00	07:00	Crew Travel & Safety MTG
07:00	10:45	TOOH W/ 22 JTS 2 7/8" TBG, Getting high H2S, Pump 100 BBLS Fresh H2O & 2O GAL Of Scavenger, CONT TOOH W/ 122 JTS 2 7/8" TBG, LD 5 1/2" Bit & scraper
10:45	13:15	PU & TIH W/ 2 7/8" Reentry guide, 5 1/2" Arrowset-1 PKR, PBR, 6 JTS 2 7/8" TBG, 6' PERF SUB, 9 JTS 2 7/8" TBG, 6' PERF SUB, PSN, 3 JTS 2 7/8" 5 1/2" HRP PKR & 127 JTS 2 7/8" TBG, RD Floor & TBG Works, Strip off 5000# BOPS, Set 5 1/2" Arrowset-1 PKR W/ 5000# Tension @ 4566' Land TBG W/ Hanger
13:15	14:15	Circ SV To PSN, Test TBG To 1500 PSI For 30 MIN-OK
14:15	15:15	CIRC 60 BBLS Fresh H2O & PKR Fluid down CSG
15:15	17:00	Set 5 1/2" HRP PKR @ 2700 PSI @ 3961', Test TBG To 3000 PSI, Lost 100 PSI In last 30 MIN, Leave PRESS Overnight, CWI
17:00	18:00	Crew Travel

Report Start Date	Report End Date	24hr Activity Summary
10/3/2014	10/3/2014	CK PRESS On TBG & PU 1.6 TBG

Start Time	End Time	Comment
06:00	07:00	Crew Travel & Safety MTG
07:00	10:45	CK PRESS On TBG 1000 PSI, Bump back up to 3000 PSI, Losing 20 PSI In 30 MIN, Bleed off TBG Flowed back 100 BBLS H2O, RET SV, Push down new SV W/ Sandline

Sundry Number: 56609 API Well Number: 4301331466000

NEWFIELD

Job Detail Summary Report

Well Name: Mon 41-17-9-17

Start Time	End Time	Comment
10:45	15:30	PRESS Up on TBG to 3000 PSI, PRESS Up & Bleed off several times, Losing between 20 & 40 PSI Every 30 MIN, PRESS TBG Up to 3000 PSI & CSG Up to 1500 PSI, Leave PRESS Over weekend, Cwi

Report Start Date	Report End Date	24hr Activity Summary
10/6/2014	10/6/2014	Pu & talley Stinger 1.9x1.6

Start Time	End Time	Comment
06:00	07:00	Crew Travel & Safety MTG
07:00	08:30	CK PRESS CSG 800 PSI TBG 2700 PSI, Bleed off CSG, Bump TBG UP TO 3000 PSI For 30 MIN-Good test, Bleed off TBG, RET SV
08:30	09:00	RU Floor & TBG Works
09:00	12:45	PU & Talley Stinger 1.9X1.6 X-over & 140 JTS 1.6 TBG, Tag PBR @ 4558', LD 2 JTS, Space out W/ 1-8' 1-4' 1.6 TBG SUBS, PU 1 JT 1.6 TBG, Land TBG W/ Hanger W/ 3K Compression @ 4558', Stopped twice & CIRC Well W/ 5 Gal of scavenger to kill H2S
12:45	14:00	RD Floor & TBG Works, NU Wellhead
14:00	16:00	Try doing MIT Test, Losing 2 PSI A min, Let well sit overnight CWI @ 4:00
16:00	17:00	Crew Travel

Report Start Date	Report End Date	24hr Activity Summary
10/7/2014	10/7/2014	CK PRESS ON CSG CONDUCT MIT

Start Time	End Time	Comment
06:00	07:00	CREW TRAVEL & SAFETY MTG
07:00	08:15	CK PRESS ON CSG 1100 PSI, BUMP PRESS BACK UP TO 3000 PSI, WAIT ON MIT
08:15	09:30	DO MIT TEST- GOOD TEST, Workover MIT on the above listed well. On 10/07/2014 the csg was pressured up to 1499 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure for the 1.6 tbg was 640 psig and the tbg pressure for the 2-7/8" was 080 psig during the test. There was not a EPA representative available to witness the test. EPA # UT22197-08429 RDMO @ 9:30

Sundry Number: 56609 API Well Number: 4301331466000

NEWFIELD

Schematic

Well Name: Mon 41-17-9-17

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
17-9S-17E	43013314660000	500150856		Utah	GMBU CT B6	DUCHESNE

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
11/10/1994	11/18/1994	12/14/1994	5,346	5,336		Original Hole - 5,644.0

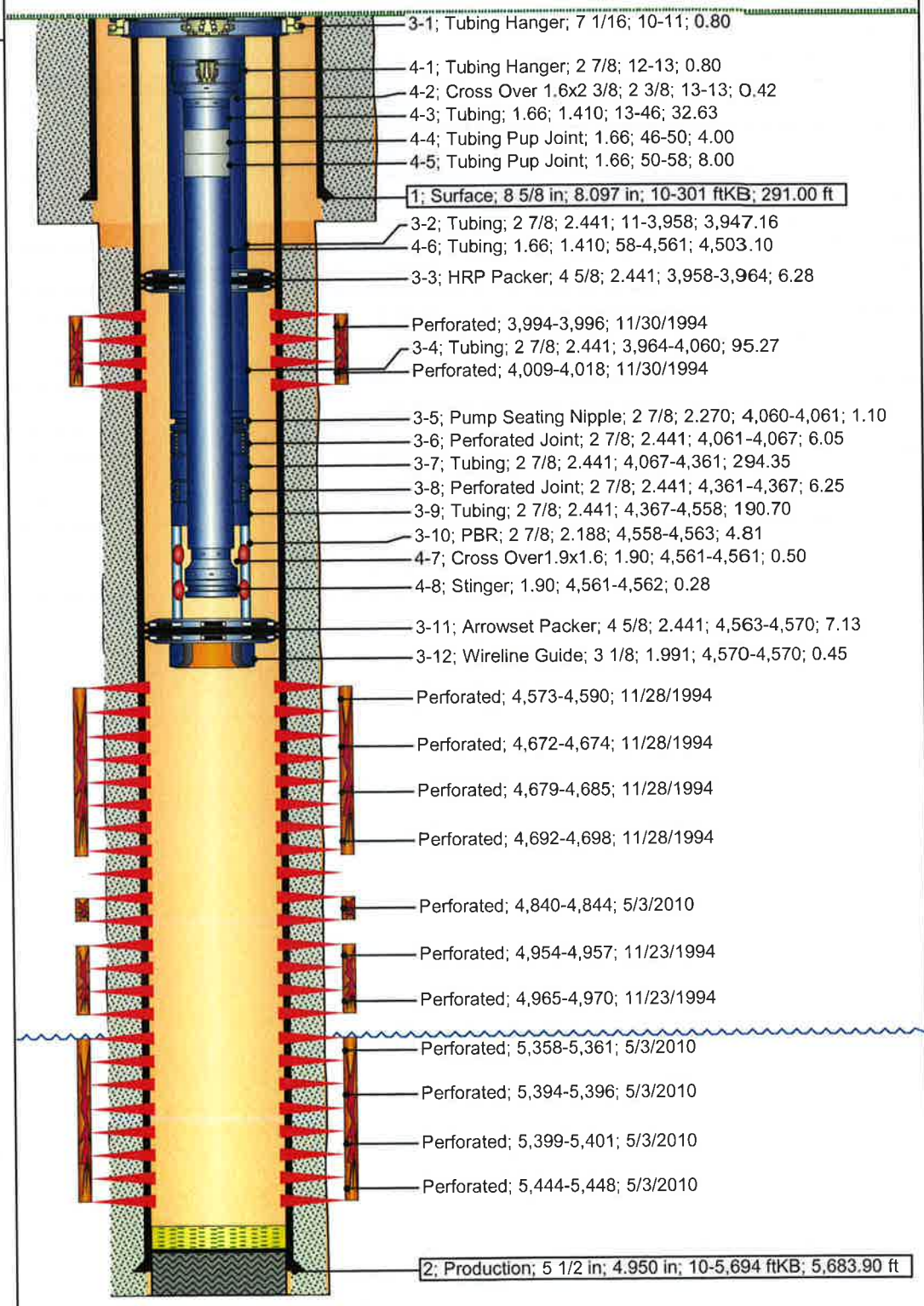
Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover		N/A	10/1/2014	10/7/2014

TD: 5,700.0 Vertical - Original Hole, 10/9/2014 4:03:46 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS
9.8			DLS (°...
12.1			
13.1			
49.9			
300.9			
2,100.1			
3,964.2			
3,996.1			
4,018.0			
4,060.7			
4,360.9			
4,558.1			
4,561.4			
4,562.7			
4,570.2			
4,589.9			
4,673.9			
4,685.0			
4,696.9			
4,839.9			
4,954.1			
4,964.9			
5,357.9			
5,394.0			
5,398.9			
5,443.9			
5,627.0			
5,693.9			

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
Mon 41-17-9-17

Surface Legal Location	API/UWI	Lease
17-9S-17E	43013314660000	

County	State/Province	Basin	Field Name
DUCHESNE	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
11/9/1994	11/10/1994	11/18/1994	12/14/1994

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
5,346	5,336	5,700.0		Original Hole - 5,644.0

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	11/11/1994	8 5/8	8.097	24.00	J-55	301
Production	11/19/1994	5 1/2	4.950	15.50	J-55	5,694

Cement

String: Surface, 301ftKB 11/11/1994

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Western	10.0	323.0		

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
w/2% CaCl2 & 1/4#/sk Cello-Seal	Lead	240	G	10.0

String: Production, 5,694ftKB 11/19/1994

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Western	2,100.0	5,700.0		

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
47 #/sk Super G + 20 #/sk Poz A + 17#/sk SCE with 3% salt and 2% gel and 2#/sk Hi-Seal-2 + 1/4#/sk Cello-Seal.	Lead	230	Super G	2,100.0
2% gel and 2#/sk Hi-Seal-2 + 1/4#/sk Cello-Seal.	Tail	250	50/50 Poz	4,000.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	10/2/2014	4,570.4

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7 1/16				0.80	10.0	10.8
Tubing	127	2 7/8	2.441	6.50	J-55	3,947.16	10.8	3,958.0
HRP Packer	1	4 5/8	2.441			6.28	3,958.0	3,964.2
Tubing	3	2 7/8	2.441	6.50	J-55	95.27	3,964.2	4,059.5
Pump Seating Nipple	1	2 7/8	2.270			1.10	4,059.5	4,060.6
Perforated Joint	1	2 7/8	2.441			6.05	4,060.6	4,066.7
Tubing	9	2 7/8	2.441	6.50	J-55	294.35	4,066.7	4,361.0
Perforated Joint	1	2 7/8	2.441			6.25	4,361.0	4,367.3
Tubing	6	2 7/8	2.441	6.50	J-55	190.70	4,367.3	4,558.0
PBR	1	2 7/8	2.188			4.81	4,558.0	4,562.8
Arrowset Packer	1	4 5/8	2.441			7.13	4,562.8	4,569.9
Wireline Guide		3 1/8	1.991			0.45	4,569.9	4,570.4

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	10/6/2014	4,561.7

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	2 7/8				0.80	12.0	12.8
Cross Over 1.6x2 3/8	1	2 3/8				0.42	12.8	13.2
Tubing	1	1.66	1.410	2.10	J-55	32.63	13.2	45.8
Tubing Pup Joint	1	1.66				4.00	45.8	49.8
Tubing Pup Joint	1	1.66				8.00	49.8	57.8
Tubing	138	1.66	1.410	2.10	J-55	4,503.10	57.8	4,561.0
Cross Over1.9x1.6	1	1.9				0.50	4,561.0	4,561.5
Stinger	1	1.9				0.28	4,561.5	4,561.7

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,627	5,644	5/3/2010	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	Garden Gulch, Original Hole	3,994	3,996	4			11/30/1994

NEWFIELD

Newfield Wellbore Diagram Data
Mon 41-17-9-17

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	Garden Gulch, Original Hole	4,009	4,018	4			11/30/1994
2	Douglas Creek, Original Hole	4,573	4,590	4			11/28/1994
2	Douglas Creek, Original Hole	4,672	4,674	4			11/28/1994
2	Douglas Creek, Original Hole	4,679	4,685	4			11/28/1994
2	Douglas Creek, Original Hole	4,692	4,698	4			11/28/1994
5	B2, Original Hole	4,840	4,844	3	120		5/3/2010
1	Douglas Creek, Original Hole	4,954	4,957	4			11/23/1994
1	Douglas Creek, Original Hole	4,965	4,970	4			11/23/1994
4	CP .5, Original Hole	5,358	5,361	3	120		5/3/2010
4	CP1, Original Hole	5,394	5,396	3	120		5/3/2010
4	CP1, Original Hole	5,399	5,401	3	120		5/3/2010
4	CP2, Original Hole	5,444	5,448	3	120		5/3/2010

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,100		31.9	2,650			
2	2,350		37.8	2,800			
3	2,080		32.8	2,480			
4	1,133	0.64	16.0	4,506			
5	3,330	0.81	16.0	5,352			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 51000 lbs
2		Proppant Bulk Sand 128360 lbs
3		Proppant Bulk Sand 69320 lbs
4		Brown Brown Sand 35004 lbs
5		Brown Brown Sand 9636 lbs

EQUITABLE **RESOURCES**
ENERGY COMPANY
BALCRON OIL DIVISION

WELL NAME: **BALCRON MONUMENT FED #41-17**
FIELD: Monument Butte (Beluga Unit)
FEDERAL LEASE NO.: UTU-72106
LOCATION: NE NE Sec.17, T9S, R17E
FOOTAGE: 660' FNL, 660' FEL
COUNTY/STATE: Duchesne County, Utah
WORKING INTEREST: 0.91491728
PRODUCING FORMATION: Green River
COMPLETION DATE: 12/14/95
INITIAL PRODUCTION: 82 BO
OIL/GAS PURCHASER: AMOCO
PRESENT PROD STATUS: PROD
ELEVATIONS - GROUND: 5335.6' GL
TOTAL DEPTH: 5700' KB

DATE : 11/7/95 vk

API NO.: 43-013-31466

NET REVENUE INTEREST: 0.80471769 Oil
0.73108274 Gas
SPUD DATE: 11/9/94
OIL GRAVITY: 34
BHT:

KB: 5345.6' KB (10' KB)
PLUG BACK TD: 5644' KB

SURFACE CASING

STRING: 1
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 303.8' (7 jts)
DEPTH LANDED: 301' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 240 sxs "G" + 2% CaCl + 1/4 #/sk cello-seal

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 128jts (3950.25')
TUBING ANCHOR: 2.35' (18" tension)
NO. OF JOINTS: 33 jts (1040.02')
SEATING NIPPLE: 2 7/8" x 1.1'
PERFORATED SUB: 2 7/8" x 3.2'
MUD ANCHOR: 2 7/8" x 29.5'
TOTAL STRING LENGTH: 5026.42'
SN LANDED AT: 5003.72' KB
EOT: 5013.7' KB

SUCKER ROD RECORD

POLISHED ROD: 1-1/4" x 22'
SUCKER RODS: 1 - 3/4" x 2' pony
1 - 3/4" x 6' pony
199 - 3/4" x 25' D-61 Plain

TOTAL ROD STRING LENGTH: 4999.5'

PUMP NUMBER:
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC w/ PA plunger (Trico)
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6.0 SPM
PUMPING UNIT SIZE: LUFKIN C-228D-213-86
PRIME MOVER: AJAX EA-30
TREATER: P.O. CORP 12' X 15'

LOGS: DLL - LDT - CNL - GR

PRODUCTION CASING

STRING: 1
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5694.41' (132 jts)
DEPTH LANDED: 5704.41' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 230 sxs Super "G" w/ 46 #/sk "G", + (20# Poz A + 17# CES)/sk + 3% salt+2%gel + (2# HiSeal + 25# CelloSeal)/sk Tailed w/ 250 sks 50/50 Poz + gel + 1/4 #/sk celloseal + 2 #/sk HiSeal
CEMENT TOP AT: 2100' KB from CBL

PERFORATION RECORD

3994' - 3996'	11/30/94	Y2	4 SPF	(2')
4009' - 4018'	11/30/94	Y2	4 SPF	(9')
4573' - 4590'	11/28/94	R2	4 SPF	(17')
4672' - 4674'	11/28/94	R5	4 SPF	(2')
4679' - 4685'	11/28/94	R5	4 SPF	(6')
4692' - 4698'	11/28/94	R5	4 SPF	(6')
4954' - 4957'	11/23/94	G3	4 SPF	(3')
4965' - 4970'	11/23/94	G3	4 SPF	(5')

PROPOSED PERFS:
4798' - 4845' 47 ft

ACID JOB / BREAKDOWN JOB

4965' - 4970' & 4954' - 4957'	11/23/94	2352 gal 2% KCl wtr w/ 64 ball sealers. Good ball action. ATP-2300#, ATR-4.8 bpm, ISIP-1200#
4573' - 4590'	11/28/94	2856 gal 2% KCl wtr w/ 130 ball sealers. Good ball action. ATP-2800#, ATR-6 bpm, ISIP-1600.
4692' - 4698' & 4679' - 4685' & 4672' - 4674'	11/28/94	2814 gal 2% KCl wtr w/ 112 ball sealers. Ball action. ATP-2000, ATR-5 bpm, ISIP-1100#
4009' - 4018' & 3994' - 3996'	12/1/94	2394 gal 2% KCl wtr w/ 88 ball sealers. Good ball action. ATP-3000#, ATR-502 bpm, ISIP-1350.

EQUITABLE **RESOURCES**
ENERGY COMPANY
BALCRON OIL DIVISION

BALCRON MONUMENT FED #41-17
NE NE Sec.17, T9S, R17E
660' FNL, 660' FEL
Monument Butte (Beluga Unit)
Duchesne County, Utah

WELL DATA CONTINUED
PAGE TWO

FRAC JOB

4965' - 4970' & 4954' - 4957'	11/25/94	19,126 gal 2% KCl wtr w/ 51.000 # 16/30. Flushed w/ 4956 gal 2% KCl wtr. ATP-2240#, ATR-30.5 bpm, ISIP-2100#, 5min-2030, 10min-2000 15min-1920, 30min-1742 psi.
4692' - 4698' & 4679' - 4685' & 4672' - 4674' & 4573' - 4590'	11/29/94	34,734 gal 2% KCl wtr w/ 128,360 # 16/30. Flush w/ 4515 gal 2% KCl. ATP-2350#, ATR-35 bpm, ISIP-2350#, 5min-1920, 10min-1800, 15min-1750, 30min-1700 psi.
4009' - 4018' & 3994' - 3996'	12/1/94	21,168 gal 2% KCl wtr w/ 69,320 # 16/30. Flush w/ 3292 gal 2% KCl wtr. ATP-2300#, ATR-31 bpm, ISIP-2080#, 5min-1820, 10min-1700, 15min-1560, 30min-1460.

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION

BALCRON MONUMENT FED #41-17
NE NE Sec.17, T9S, R17E
660' FNL, 660' FEL
LEASE NO. UTU-72106
Monument Butte (Beluga Unit)
Duchesne County, Utah

Elev.GR - 5335.6' GL
Elev.KB - 5345.6' KB (10' KB)

WELLBORE DIAGRAM

DATE : 11/7/95 vk

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CSG SIZE: 8-5/8"
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WEIGHT: 24#
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DEPTH LANDED: 301' KB
HOLE SIZE: 12-1/4"
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CEMENT TOP AT: 2100' KB from CBL

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EOT: 5013.7' KB

SUCKER RODS

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199 - 3/4" x 25' D-61 Plain

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PUMPING UNIT: LUFKIN C-228D-213-86
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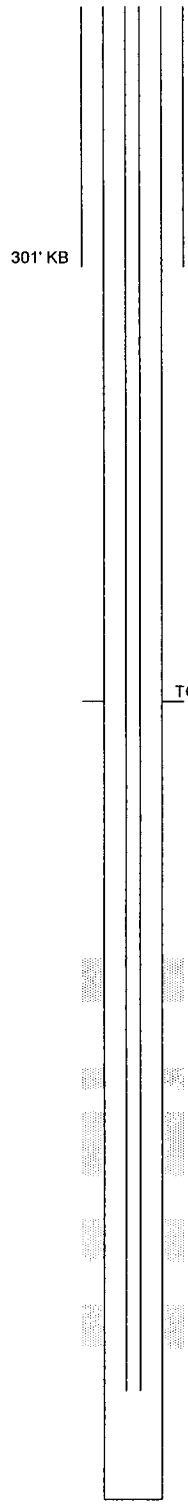

ACID JOB /BREAKDOWN

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4573' - 4590'	11/28/94	2856 gal 2% KCl wtr w/ 130 ball sealers. Good ball action. ATP-2800#, ATR-6 bpm, ISIP-1600.
4692' - 4698' & 4679' - 4685' & 4672' - 4674'	11/28/94	2814 gal 2% KCl wtr w/ 112 ball sealers.Ball action. ATP-2000, ATR-5 bpm, ISIP-1100#
4009' - 4018' & 3994' - 3996'	12/1/94	2394 gal 2% KCl wtr w/ 88 ball sealers. Good ball action. ATP-3000#, ATR-502 bpm, ISIP-1350.

FRAC JOB

4965' - 4970' & 4954' - 4957'	11/25/94	19,126 gal 2% KCl wtr w/ 51.000 # 16/30. Flushed w/ 4956 gal 2% KCl wtr. ATP-2240#, ATR-30.5 bpm, ISIP-2100#, 5min-2030, 10min-2000 15min-1920, 30min-1742 psi
4692' - 4698' & 4679' - 4685' & 4672' - 4674' & 4573' - 4590'	11/29/94	34,734 gal 2% KCl wtr w/ 128,360 # 16/30. Flush w/ 4515 gal 2% KCl. ATP-2350#, ATR-35 bpm, ISIP-2350#, 5min-1920, 10min-1800, 15min-1750, 30min-1700 psi.
4009' - 4018' & 3994' - 3996'	12/1/94	21,168 gal 2% KCl wtr w/ 69,320 # 16/30. Flush w/ 3292 gal 2% KCl wtr. ATP-2300#, ATR-31 bpm, ISIP-2080#, 5min-1820, 10min-1700, 15min-1560, 30min-1460.

PERFORATION RECORD

3994' - 3996'	11/30/94	Y2	4 SPF	(2')
4009' - 4018'	11/30/94	Y2	4 SPF	(9')
4573' - 4590'	11/28/94	R2	4 SPF	(17')
4672' - 4674'	11/28/94	R5	4 SPF	(2')
4679' - 4685'	11/28/94	R5	4 SPF	(6')
4692' - 4698'	11/28/94	R5	4 SPF	(6')
4954' - 4957'	11/23/94	G3	4 SPF	(3')
4965' - 4970'	11/23/94	G3	4 SPF	(5')

PROPOSED PERFS:
4798' - 4845' 47 ft