

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.

U-65208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

n/a

8. FARM OR LEASE NAME

Balcron Federal

9. WELL NO.

41-10Y

10. FIELD AND POOL, OR WILDCAT

Undesignated/ Grn. River

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

Sec. 10, T9S, R16E

12. COUNTY OR PARISH 13. STATE

Duchesne

UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

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

At surface

NE NE Section 10, T9S, R16E

660' FNL, 660' FEL

At proposed prod. zone

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

Approximately 15.7 miles SE of Myton, Utah

10. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

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

19. PROPOSED DEPTH

6,080'

20. ROTARY OR CABLE TOOLS

Rotary

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

GL 5617'

22. APPROX. DATE WORK WILL START*

4/10/95

23. PROPOSED CASING AND CEMENTING PROGRAM

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

Operator intends to drill this well in accordance with the attached 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 11-8-94
Bobbie Schuman

(This space for Federal or State office use)

PERMIT NO. 43-013-31478 APPROVAL DATE APPROVED BY STATE

APPROVED BY _____ TITLE _____ DATE 12/18/94

CONDITIONS OF APPROVAL, IF ANY:

DATE: 12/18/94
BY: JAN Matthews
WELL SPACING: R649-3-2

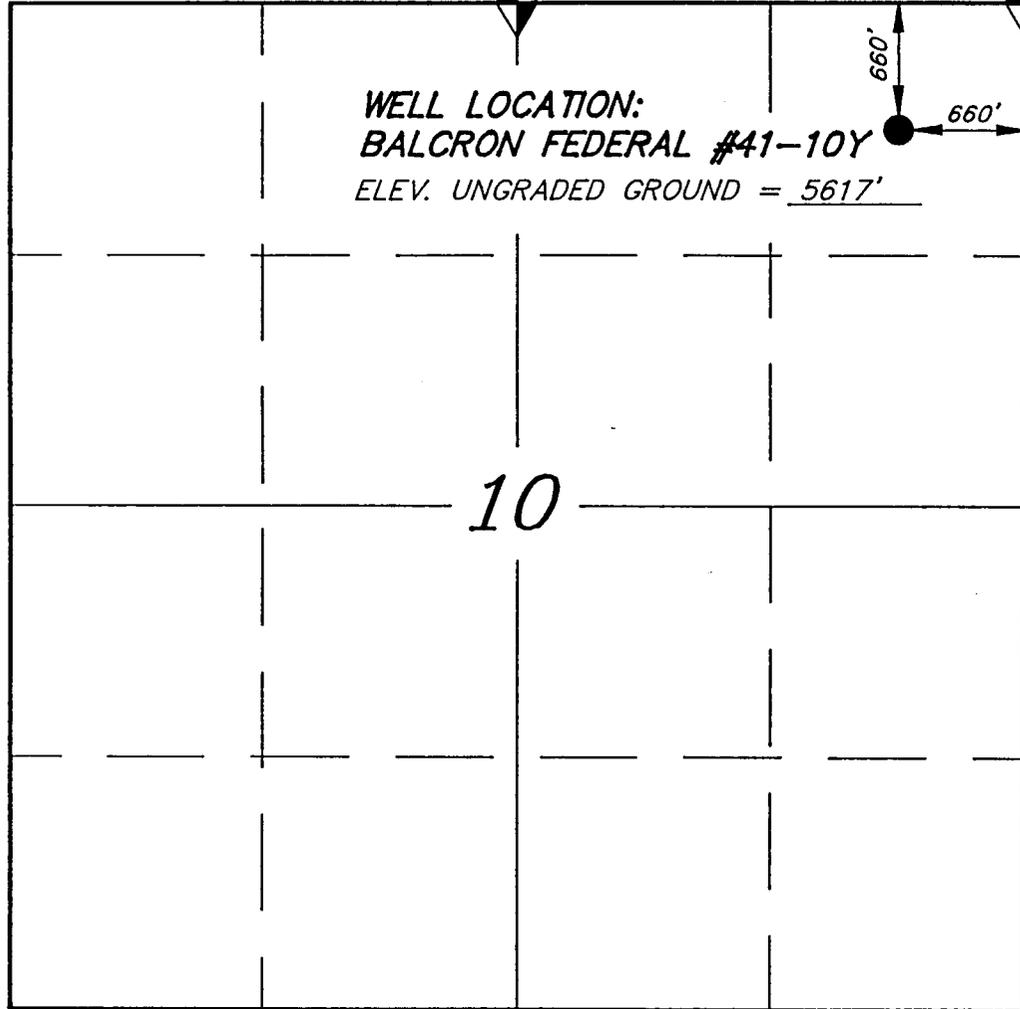
*See Instructions On Reverse Side

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

EQUITABLE RESOURCES ENERGY CO.

S89°54'W - 39.95 (G.L.O.)

S89°54'W (G.L.O.) Basis of Bearings
2636.70' - Measured



**WELL LOCATION:
BALCRON FEDERAL #41-10Y**
ELEV. UNGRADED GROUND = 5617'

WELL LOCATION, BALCRON FEDERAL #41-10Y,
LOCATED AS SHOWN IN THE NE 1/4 NE 1/4
OF SECTION 10, T9S, R16E, S.L.B.&M.
DUCHESE COUNTY, UTAH.

N0°02'W (G.L.O.)

N0°01'W (G.L.O.)

10

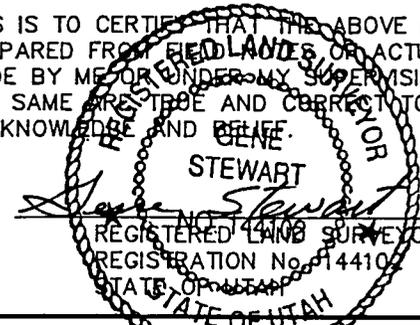
S89°59'W - 79.88 (G.L.O.)



= 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)



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OR 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.



TRI STATE LAND SURVEYING & CONSULTING 38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 10-11-94	WEATHER: COOL
NOTES:	FILE #41-10Y

EXHIBIT "K"

EXHIBITS

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

11/4/94

CONFIDENTIAL

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

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

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Federal #41-10Y
NE NE Section 10, T9S, R16E
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, 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.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Federal #41-10Y
NE NE Section 10, T9S, R16E
Duchesne County, Utah

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

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for 14.1 miles. Turn left and follow new access road 0.1 miles to the 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:

- a. See EXHIBIT "F" Maps A and B for access route.
- b. Length: Approximately 0.1 miles of new access road will be required.
- c. Width: Maximum 30' overall right-of-way with an 18' running surface.
- d. Maximum grade: < 8%
- e. Turnouts: None
- f. Drainage design: Low water crossing
- g. No culverts or bridges will be required. There are no cuts and/or fills on or along the proposed access road route.
- h. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- i. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.

- j. All travel will be confined to location and access routes.
- k. 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.

- 1. If a right-of-way is needed for the access please consider this as the application.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

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

- a. See EXHIBIT "J" which is the proposed production facility diagram.
- 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.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields. A copy of the State-approved permit is on file in the Vernal District Bureau of Land Management office.
- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time.
- 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 nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

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

- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the south side of the location.
- f. If used, the flare pit will be located downwind of the prevailing wind directions near corner #6 a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the west side between corners 7 and 8.
- h. Access to the wellpad will be from the north near corner #8.
- i. No diversion ditches are necessary.
- j. 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. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all trash will be removed.

Dry hole/abandoned location:

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

11. SURFACE OWNERSHIP:

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

12. OTHER INFORMATION:

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

- e. Equitable Resources Energy Company's Balcron Oil division intends to hook this well up to our existing gas gathering system. Please consider this our application to do so. See EXHIBIT "M" for the proposed route.

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 Home: (801) 781-1018
Mobile: (801) 828-7291

14. CERTIFICATION:

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

November 7, 1994
Date

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

Equitable Resources Energy Company
Balcron Oil Division

EXHIBIT "D"
Page 1 of 2

DRILLING PROGRAM

WELL NAME: Balcron Federal #41-10Y PROSPECT/FIELD: Exploritory
LOCATION: NE NE Sec.10 Twn.9S Rge.16E
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 6080'

HOLE SIZE INTERVAL

=====

12 1/4"	Surface to 260'
7 7/8"	260' to 6080' (TD)

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 lb/ft	J55
Production Casing	0	6080	5 1/2"	15.50	K55

(All casing strings will be new, 8 Rd, ST&C)

CEMENT PROGRAM

=====

Surface	150 sacks Class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production	250 sacks Thrify Lite and 400 sacks 50-50 Pozmix. (Actual cement volumes will be calculate from caliper log with cement top being 2000')

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	Surf	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	6080	8.7-8.9	N.A.	N.A.

COMMENTS

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

EXHIBIT E

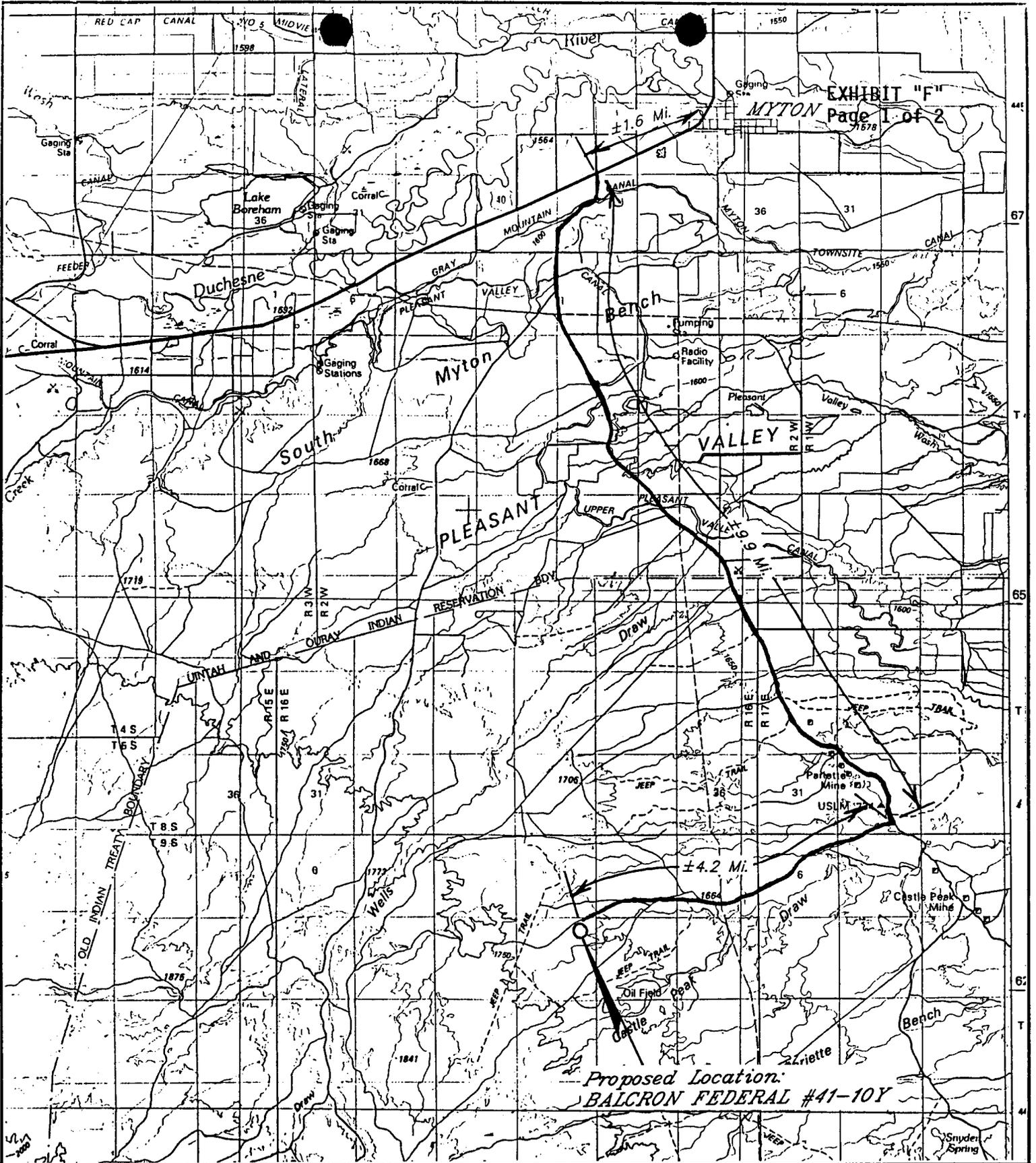
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

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

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

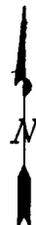
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

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

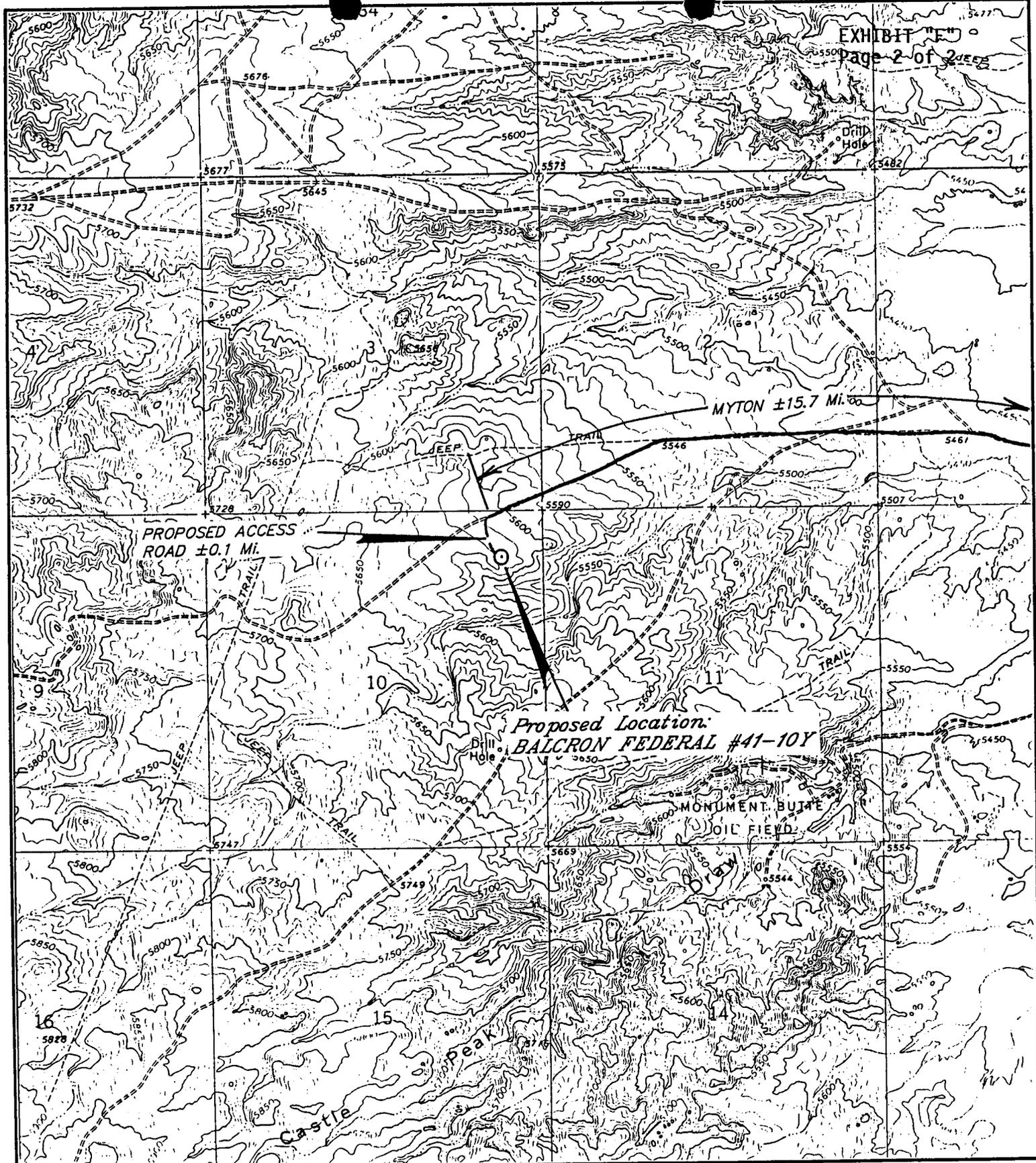


EQUITABLE RESOURCES CO.

**BALCRON FEDERAL #41-10Y
SECTION 10, T9S, R16E, S.L.B.&M.
TOPO "A"**



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



EQUITABLE RESOURCES CO.

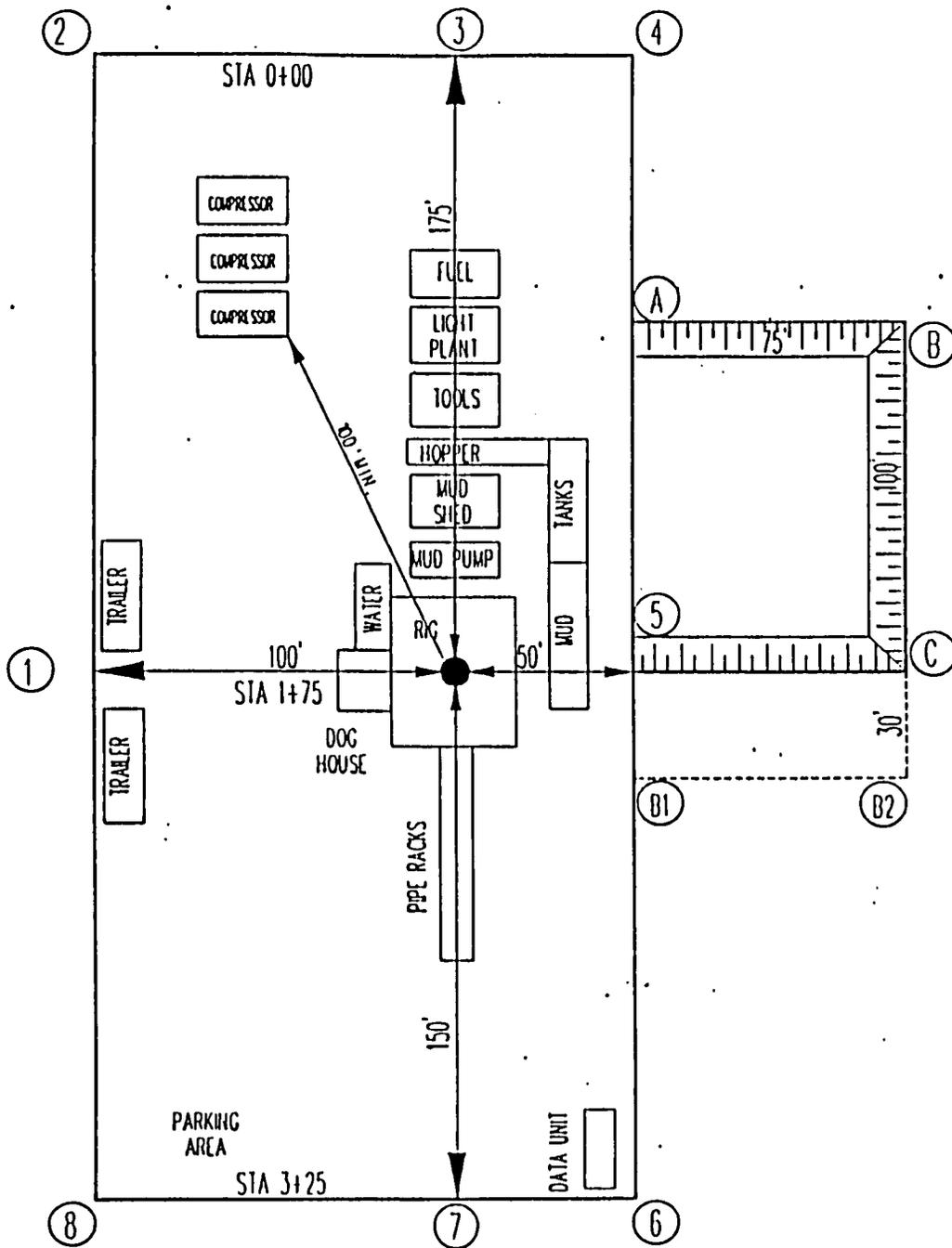
BALCRON FEDERAL #41-10Y
SECTION 10, T9S, R16E, S.L.B.&M.
TOPO "B"



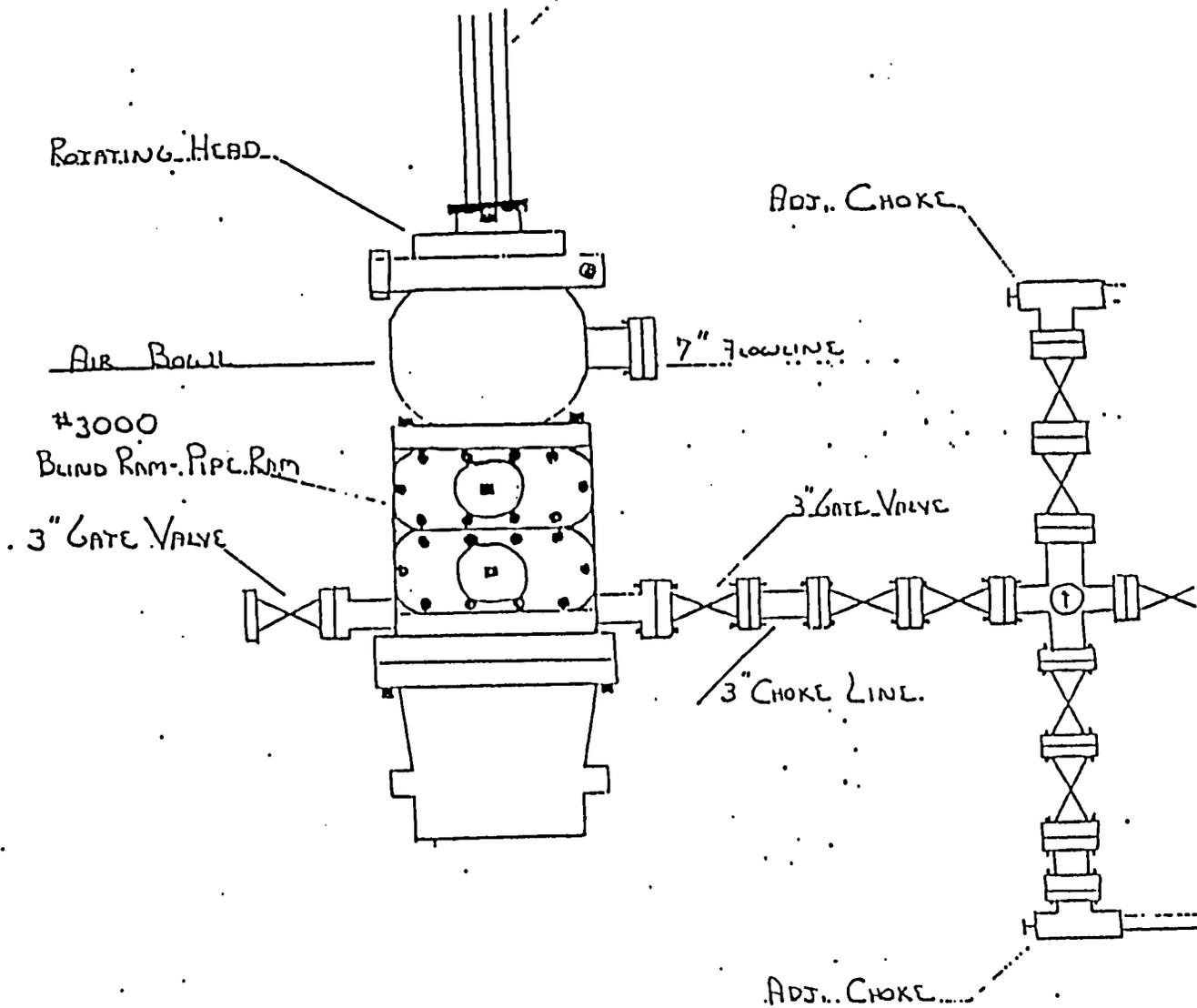
SCALE: 1" = 2000'

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38 WEST 100 NORTH VERNAL, UTAH 84078

EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



UNION DRILLING RIG #17 Hex Kelly -



#3000 Stack

Equitable Resources Energy Company
 Balcron Federal 41-10Y
 Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Federal 41-10Y
 NE NE Sec. 10, T9S, R16E
 Duchesne County, Utah
 Federal Lease #U-65208
 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

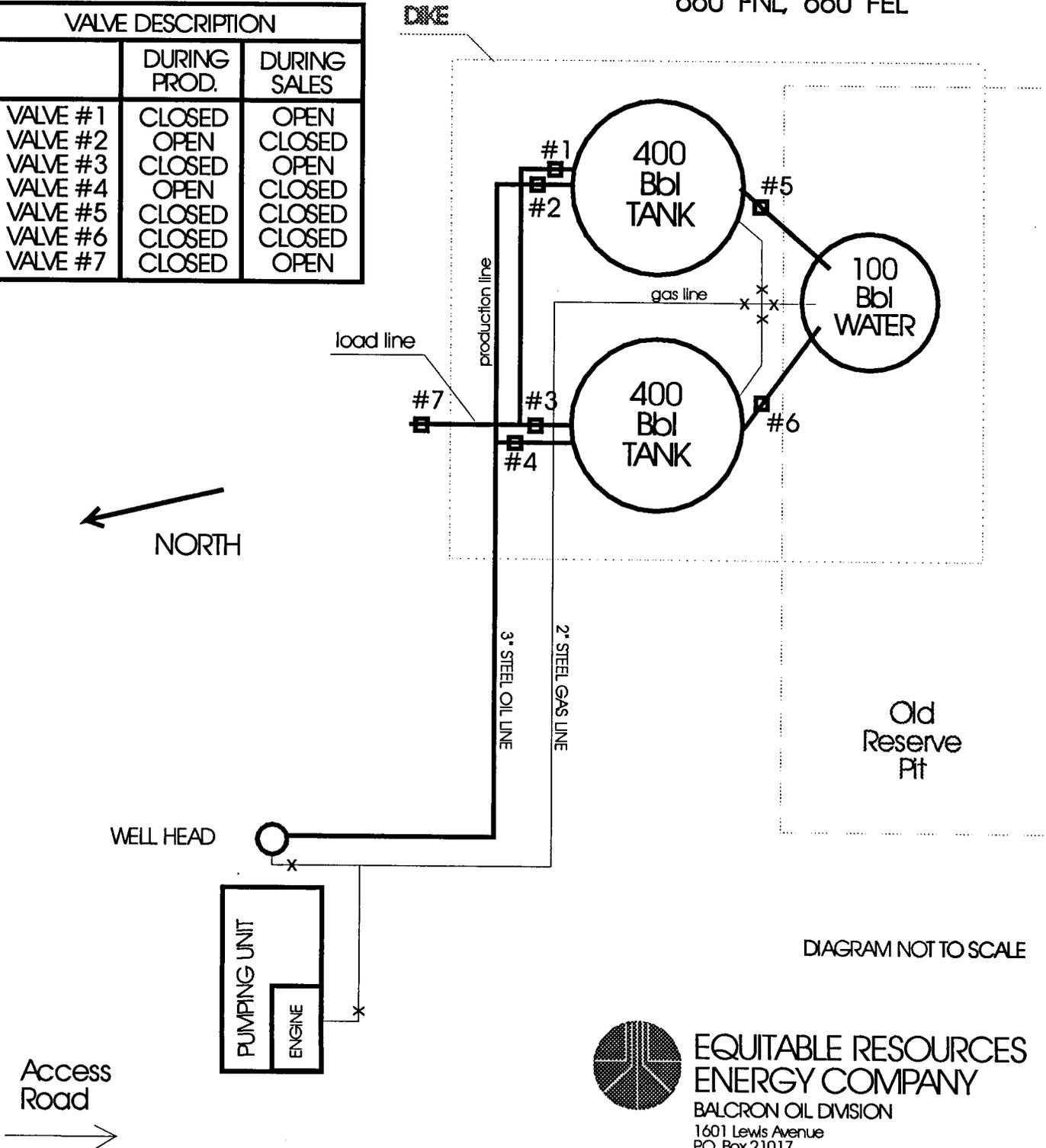


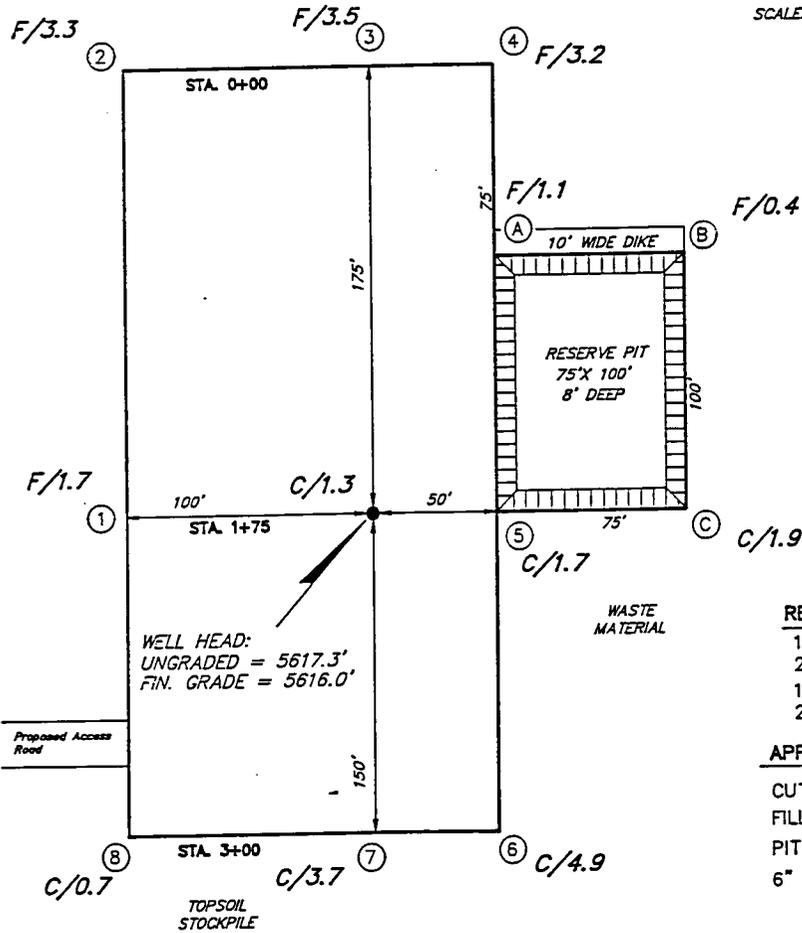
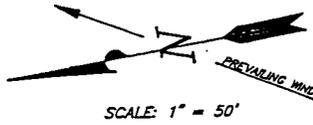
DIAGRAM NOT TO SCALE



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 FEDERAL #41-10Y
SECTION 10, T9S, R16E, S.L.B.&M.

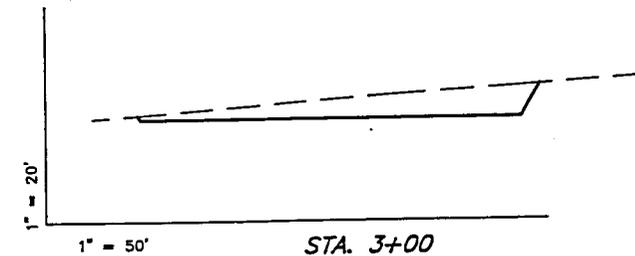
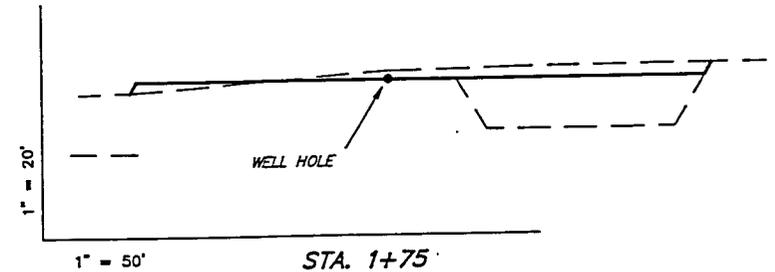
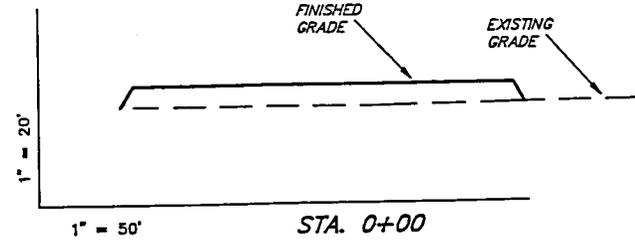


REFERENCE POINTS

- 150.0' NORTHEAST 5613.6'
- 200.0' NORTHEAST 5612.5'
- 175.0' NORTHWEST 5620.5'
- 225.0' NORTHWEST 5620.5'

APPROXIMATE YARDAGES

- CUT = 2140 Cu. Yds.
- FILL = 2100 Cu. Yds.
- PIT = 2220 Cu. Yds.
- 6" TOPSOIL = 970 Cu. Yds.



SURVEYED BY: G.S. G.H.

DRAWN BY: R.H.

DATE: 10-14-94

SCALE: 1" = 50'

FILE: #41-10Y

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

EXHIBIT "L"

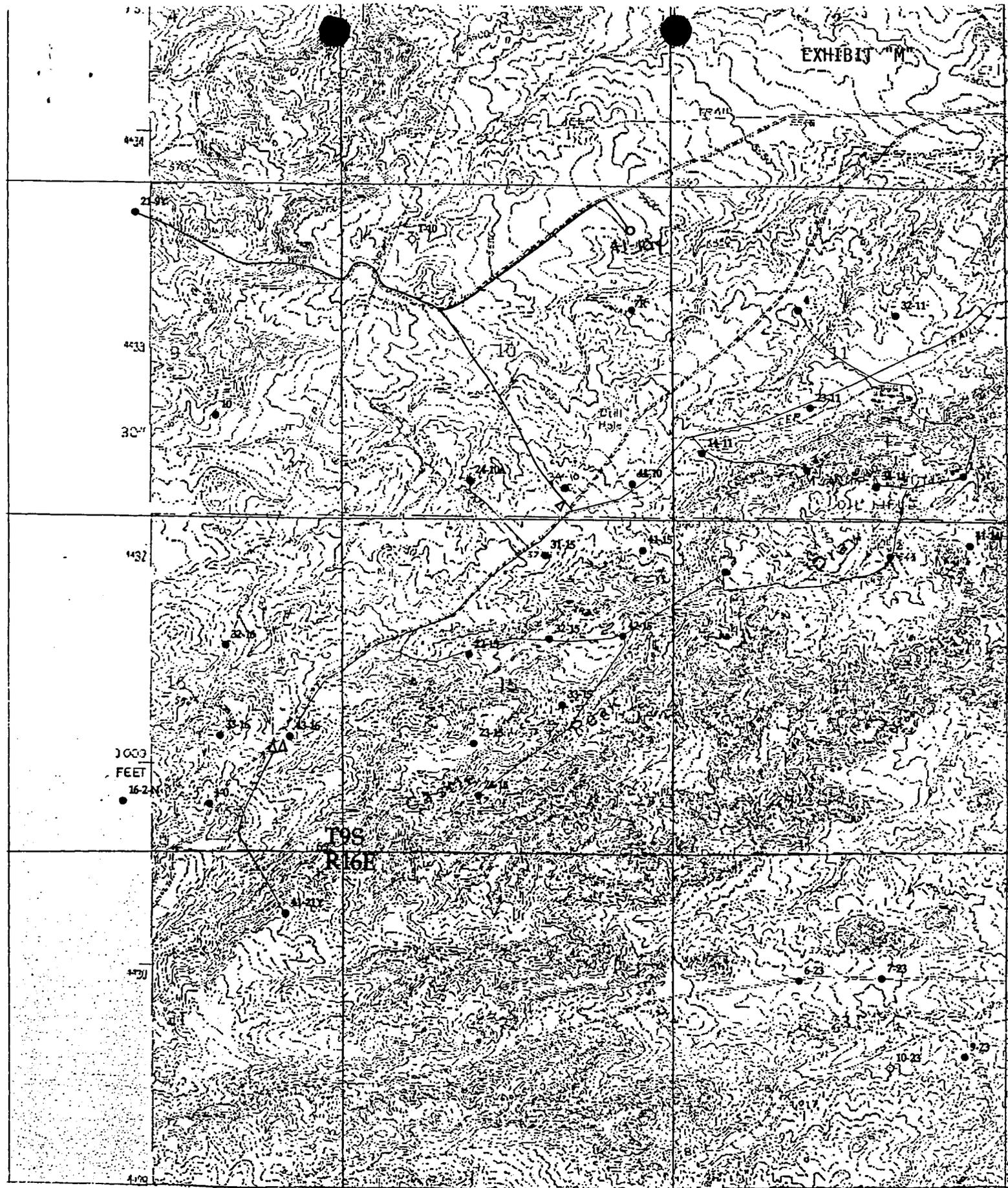


EXHIBIT M

1000
FEET

P9S
R16E

- Existing Gas Lines
- Proposed 2" Poly Lines (Row)
- △ Proposed Gas Meter

Equitable Resources Energy Company
Balcon Oil Division
Monument Butte Gas Plant
Gas Gathering System

5-1-94

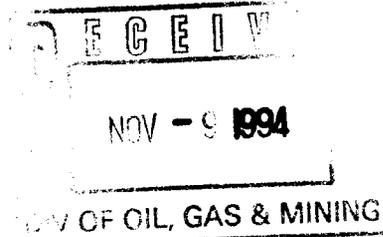
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EQUITABLE RESOURCES
ENERGY COMPANY

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

November 7, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

RE: Balcron Federal #41-10Y
NE NE Section 10, T9S, R16E
Duchesne County, Utah

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

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

If you have any questions or need additional information, please call me at (406) 259-7860.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Utah Division of Oil, Gas and Mining

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
NOV - 1994
CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. Lease Designation and Serial Number:
Federal # U-65208

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

7. Unit Agreement Name:
n/a

8. Farm or Lease Name:
Balcron Federal

9. Well Number:
41-10Y

10. Field and Pool, or Wildcat:
Undesignated/Grn.River

11. Qtr/Qtr, Section, Township, Range, Meridian:
NE NE 10, T9S, R16E

12. County:
Duchesne

13. State: UTAH

1A. Type of Work: DRILL DEEPEN

B. Type of Well: OIL GAS OTHER: SINGLE ZONE MULTIPLE ZONE

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

3. Address and Telephone Number:
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footages)
At Surface: 660' FNL, 660' FEL
At Proposed Producing Zone:

14. Distance in miles and direction from nearest town or post office:
Approximately 15.7 miles SE of Myton, Utah

15. Distance to nearest property or lease line (feet):

16. Number of acres in lease:

17. Number of acres assigned to this well:

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):

19. Proposed Depth:
6080'

20. Rotary or cable tools:
Rotary

21. Elevations (show whether DF, RT, GR, etc.):
GL 5617'

22. Approximate date work will start:
4/10/95

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT	"D" Drilling program/casing design			

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

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

24. Name & Signature: Bobbie Schuman
Bobbie Schuman

Regulatory and Environmental Specialist

Title: APPROVED BY THE STATE Date: 11-7-94

OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 12/13/94
BY: JAN Matthew
WELL SPACING: R649-3-2

(space for State use only)

API Number Assigned: 43-013-31478

Approval:

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/09/94

API NO. ASSIGNED: 43-013-31478

WELL NAME: BALCRON FEDERAL 41-10Y
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:
NENE 10 - T09S - R16E
SURFACE: 0660-FNL-0660-FEL
BOTTOM: 0660-FNL-0660-FEL
DUCHESNE COUNTY
CASTLE PEAK FIELD (075)

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

LEASE TYPE: FED
LEASE NUMBER: U-65208

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal State Fee
(Number 5547188)

Potash (Y/N)

Oil shale (Y/N)

Water permit
(Number WELL)

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
11-13-90

STIPULATIONS: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

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

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

NE NE Section 10, T9S, R16E
660' FNL, 660' FEL

5. Lease Designation and Serial No.

U-65208

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Federal #41-10Y

9. API Well No.

not yet assigned

10. Field and Pool, or Exploratory Area

Undesignated/Green River

11. County or Parish, State

Duchesne County, UTAH

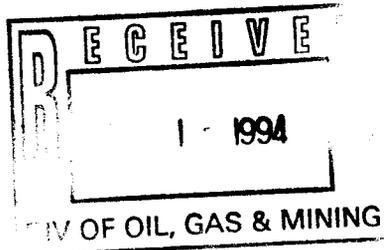
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Enclosed is the Cultural Resource Evaluation which was done on this proposed wellsite and access route.



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

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date November 14, 1994

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

**CULTURAL RESOURCE EVALUATION
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES
IN THE PARIETTE DRAW - CASTLE PEAK DRAW -
EIGHT MILE FLAT LOCALITIES
OF DUCHESNE & Uintah COUNTIES, UTAH**

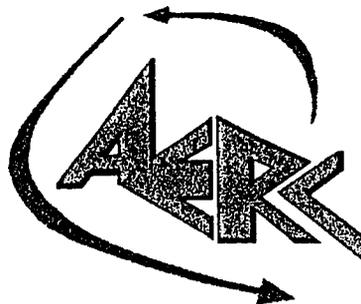
Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-94-54937
AERC Project 1449 (BLCR-94-9)

Utah State Project No.: UT-94-AF-710b

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

November 11, 1994

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of two proposed well locations (41-10Y and 41-36Y) and the access route associated with Unit 31-14Y. These evaluated locations are situated on Utah State and federally administered lands located in the Pariette Bench locality of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 24 acres, of which 20 acres are associated with the two well pads and an additional 4 acres are associated with three access road rights-of-way. These evaluations were conducted by F.R. Hauck and Glade Hadden of AERC on November 10, 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.

Several isolated, non-diagnostic artifacts were noted 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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GENERAL INFORMATION

On November 10, 1994, AERC archaeologists F.R. Hauck and Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved two proposed well locations (Units 41-10Y and 41-36Y) and associated access roads including a segment of access into Unit 31-14Y. The project area is in the Pariette Draw, Castle Peak Draw, and Eight Mile Flat locality south east of Myton, Utah. Some 24 acres were examined which include 20 acres associated with two well pads and an additional 4 acres associated with the access routes into the locations. Portions of the access routes lying outside the ten acre well pad survey zones include .5 acres associated with Unit 41-10Y, .5 acres associated with Unit 41-36Y and .5 mile (3 acres) associated with a segment of the proposed access into Unit 31-14Y for a total of four acres. Unit 31-14Y access route and Unit 41-10Y location and access route are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. Unit 41-36Y is situated in a State Section administered by the Utah Division of State Lands and Forestry. Unit 31-14Y and a short segment of its access route are on private lands owned by Rex Lamb who has signed an archaeological waiver.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

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

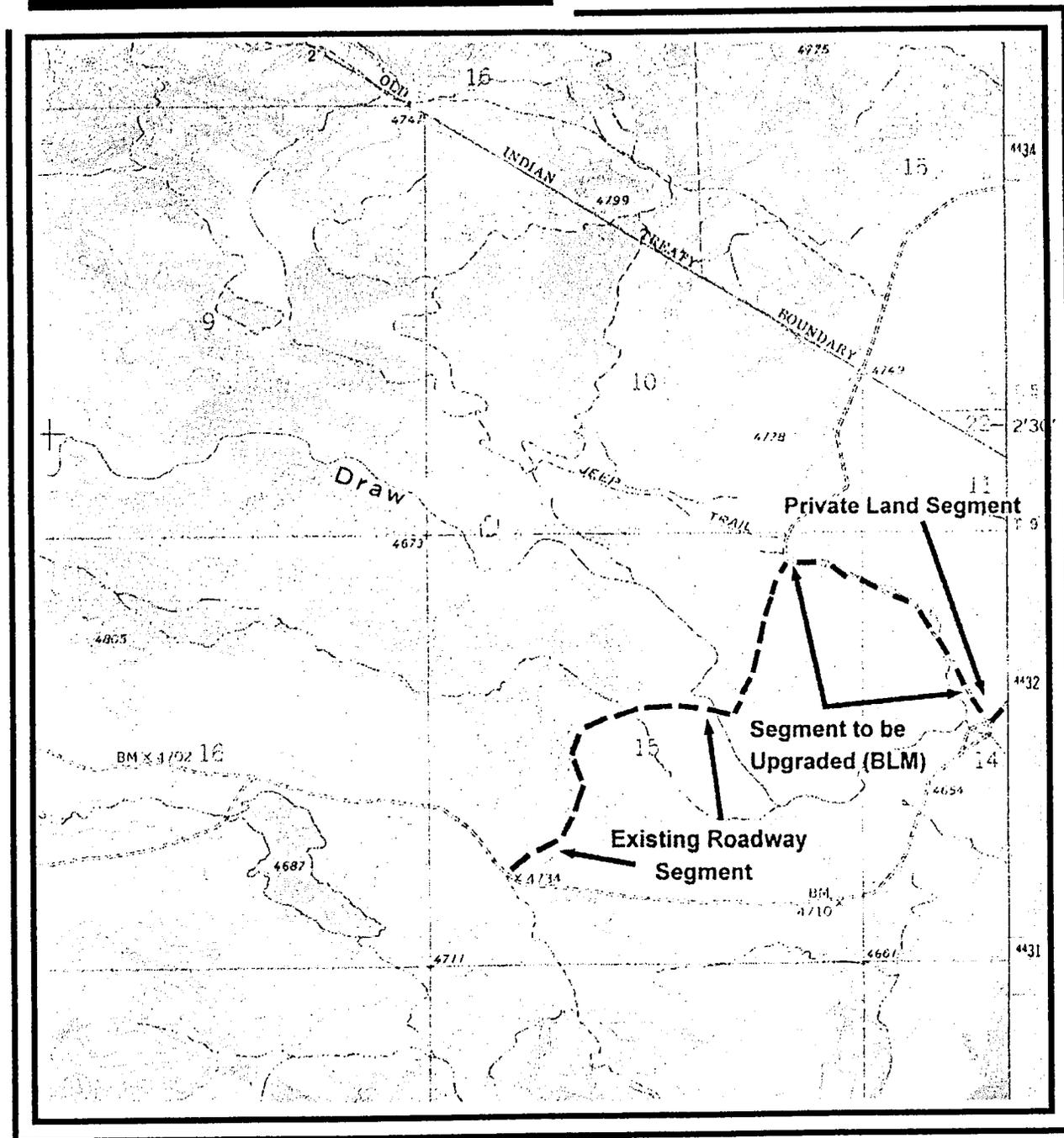
Project Location

The project location is in the Pariette Draw and Eight Mile Flat localities of Uintah County and the Castle Peak Draw locality of Duchesne County, Utah. The evaluated access road segment into Unit 31-14Y and the 41-10Y location are situated on the Uteland Butte and Myton SE 7.5 minute topographic quads. Unit 41-36Y is shown on the Nutters Hole 15 minute topographic quad (see Maps).

The segment of evaluated access route for Unit 31-14Y is situated in the NW 1/4 of Section 14 and the NE 1/4 of Section 15, Township 9 South, Range 19East (see Map 1).

**MAP 1: CULTURAL RESOURCE SURVEY
OF ACCESS SEGMENT ASSOCIATED
WITH UNIT 31-14Y IN THE PARIETTE
DRAW LOCALITY OF UINTAH CO., UT.**

PROJECT: BLCR-94-9
SCALE: 1: 24,000
QUAD: Uteland Butte
DATE: 11-11-94

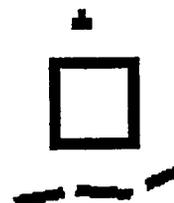


LEGEND:



T. 9 South
R. 19 East
Meridian: Salt Lake B & M

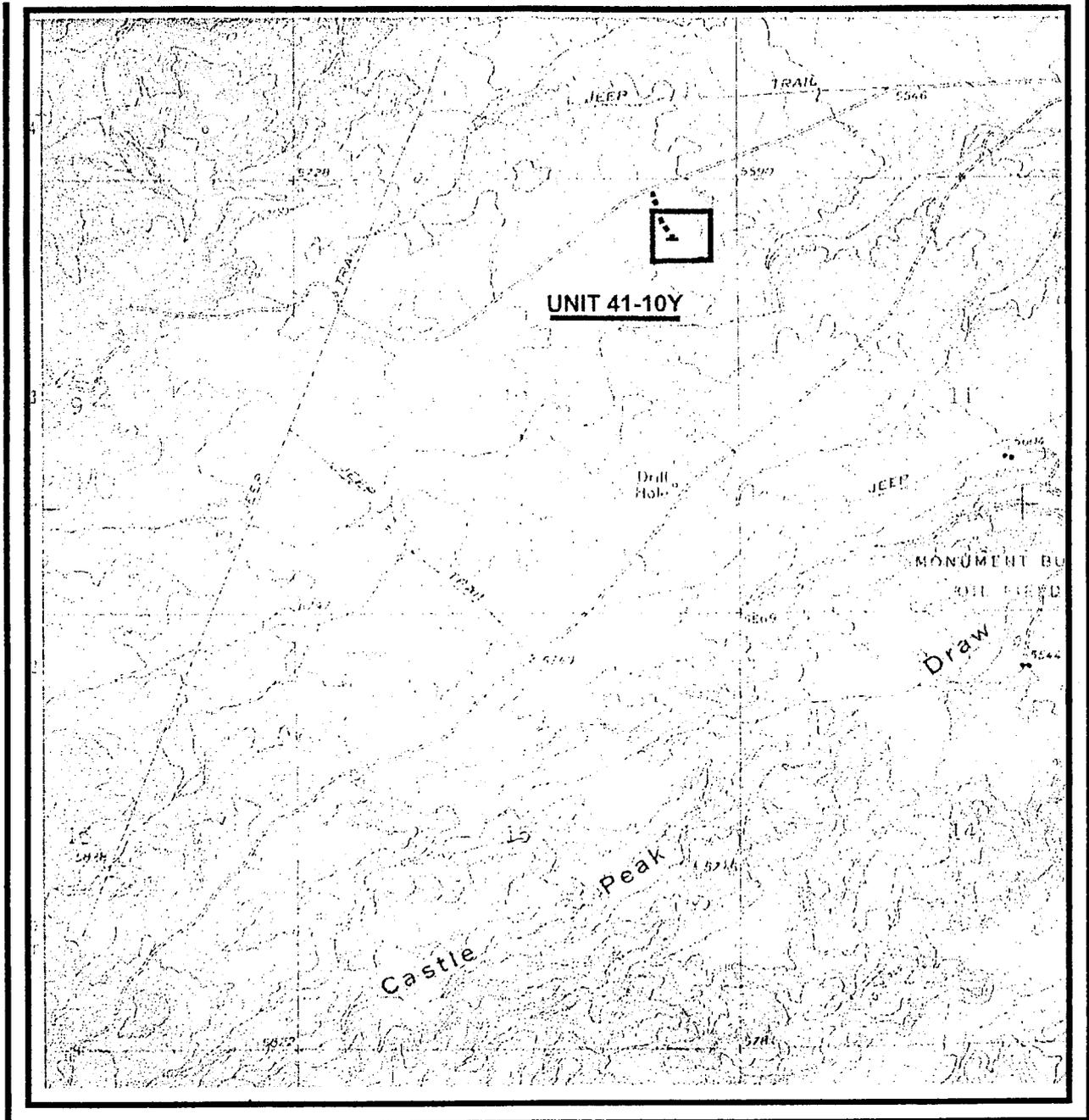
Well Location
Ten Acre Survey Plot
Access Route



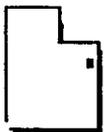
**MAP 2: CULTURAL RESOURCE SURVEY
OF PROPOSED UNIT 41-10Y IN THE
CASTLE PEAK DRAW LOCALITY OF
DUCHESNE COUNTY, UTAH**

PROJECT: BLCR-94-9
SCALE: 1:24,000
QUAD: Myton, SE
DATE: 11-11-94

3



LEGEND:



UTAH

T. 9 South

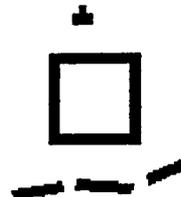
R. 16 East

Meridian: Salt Lake B & M

Well Location

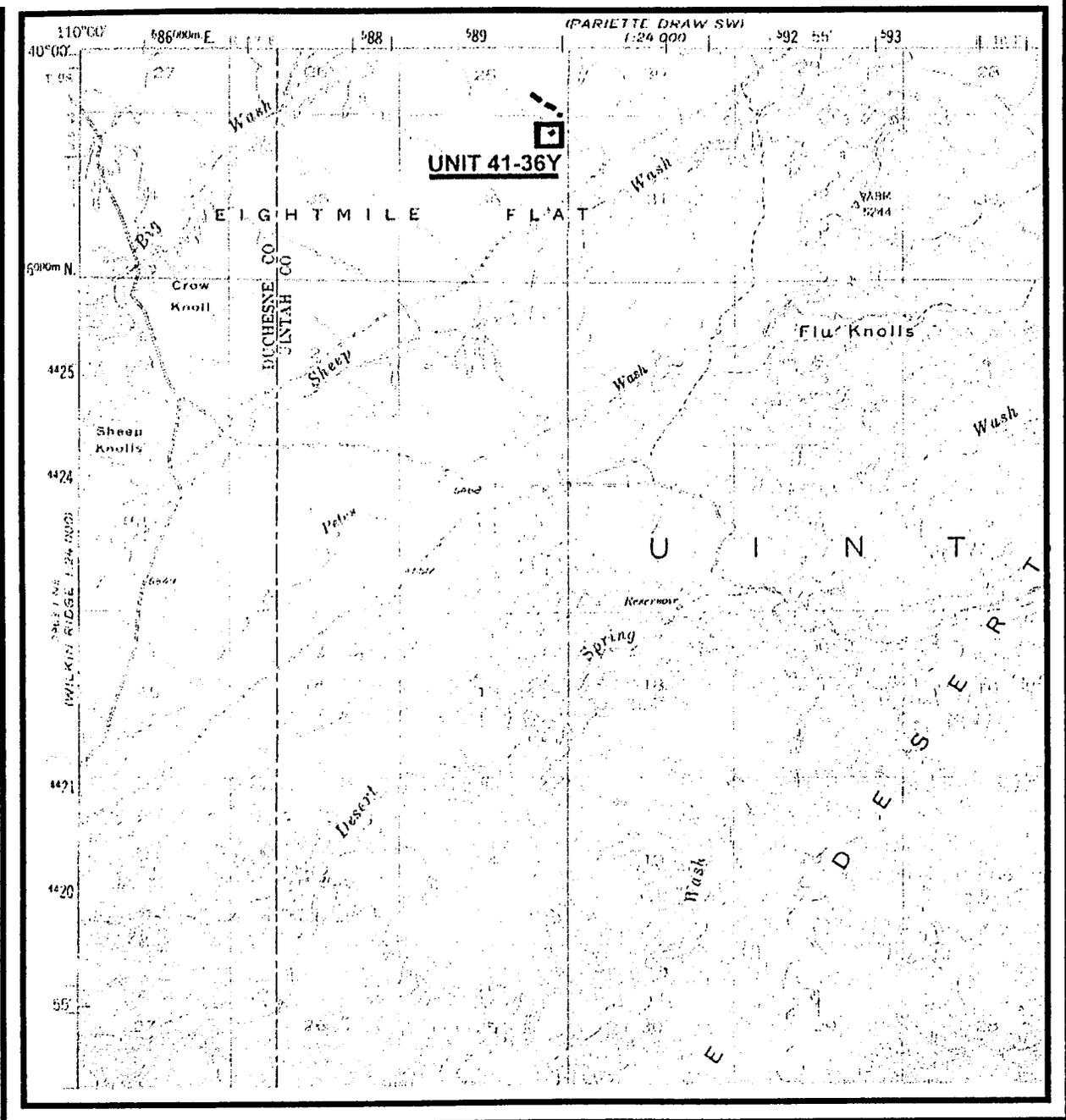
**Ten Acre Survey
Plot**

Access Route

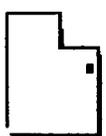


**MAP 3: CULTURAL RESOURCE SURVEY
OF PROPOSED UNIT 41-36Y IN THE
EIGHT MILE FLAT LOCALITY OF
UINTAH COUNTY, UTAH**

PROJECT: BLCR-94-9
SCALE: 1:62500
QUAD: Nutters Hole
DATE: 11-11-94



LEGEND:



UTAH

T. 9 South
R. 17 East
Meridian: Salt Lake B & M

Ten Acre Survey Plot
Access Route



Unit 41-10Y is situated in the NE of the NE of Section 10, Township 9 South, Range 16 East (see Map 2).

Unit 41-36Y is situated on Utah State land in the NE of the NE of Section 36, Township 9 South, Range 17 East (see Map 3).

Environmental Description

The project area is within the 4650 to 5650 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

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

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

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 7, 1994. A similar search was conducted in the Vernal District Office of the BLM on November 10, 1994. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

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

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 --

1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

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

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

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. In addition, the associated access routes were surveyed by the archaeologists walking a pair of 10 to 15 meter-wide transects on each side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 1.6 acres) was examined for the various proposed access roads, in addition to the thirty acres inventoried on the well pads. The .5 mile segment of access route

on public lands for Unit 31-14Y that will require blading and was the only portion of the access into that location that was examined for cultural resource presence (see Map 1).

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. Several isolated flakes and heat-cracked cobble fragments were observed on the roadway corridor leading into Unit 31-14Y; a prehistoric short-term occupation or campsite may have been situated within the roadway that has subsequently been destroyed by blading activities and vehicle traffic. A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus.

No paleontological materials or loci were observed during the evaluations.

CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of Balcron Units 41-10Y and 41-36Y or as a result of the development and traffic associated with the access route segment into Unit 31-14Y 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 two proposed drilling locations (41-10Y and 41-36Y) and the associated access routes into Units 31-14Y, 41-10Y, and 41-36Y based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



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

REFERENCES

Fike, Richard E. and H. Blaine Phillips II

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

Hauck, F. Richard

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

Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.

1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.

1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.

1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.

1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.

1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade V Hadden

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

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

1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Norman, V. Garth

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

Hauck, F. Richard and Dennis Weder

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



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

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Division Director

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Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 13, 1994

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

Re: Balcron Federal #41-10Y Well, 660' FNL, 660' FEL, NE NE, Sec. 10, T. 9 S., R. 16 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.



Page 2
Equitable Resources Energy Company
Balcron Federal #41-10Y Well
December 13, 1994

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 43-013-31478.

Sincerely,



R.J. Birth
Associate Director

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT INSTRUCTIONS (Other instructions on reverse side)
Form Approved
Budget Bureau No. 1004-0136
Expires August 31, 1985

CONFIDENTIAL
LEASE DESIGNATION AND SERIAL NO.
0-65208
INDIAN, ALLOTTEE OR TRIBE NAME
DIV OF OIL, GAS & MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
NE NE Section 10, T9S, R16E 660' FNL, 660' FEL
At proposed prod. zone
43-012-3178

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 15.7 miles SE of Myton, Utah

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
6,080'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 5617'

22. APPROX. DATE WORK WILL START*
4/10/95

23. PROPOSED CASING AND CEMENTING PROGRAM

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

Operator intends to drill this well in accordance with the attached 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 11-8-94
Bobbie Schuman

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE DEC 14 1994
CONDITIONS OF APPROVAL, IF ANY _____

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 41-10Y

API Number: 43-013-31478

Lease Number: U-65208

Location: NENE Sec. 10 T. 9S R. 16E

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

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

3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone identified at ± 1832 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to $\pm 1,632$ ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

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

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

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

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

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)
Balcron Well #41-10Y

Methods for Handling Waste Disposal

The reserve pit liner will be a minimum of 12 mil thickness and have sufficient bedding (straw or dirt) to cover rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc..., that could puncture the liner will be disposed of in the pit.

Plans For Reclamation Of Location

In addition to recontouring the reserve pit and that portion of the location not needed for production facilities and operation. These areas will also be reseeded and returned to a vegetated condition as determined by the authorized officer of the BLM.

At time of abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to blend all cuts, fills, road berms, and borrow ditches to be natural in appearance. Stockpiled topsoil will be spread over the surface and the area revegetated to the satisfaction of the authorized officer of the BLM.

Additional Surface Conditions of Approval

If paleontologic or archeologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer. Workers for Balcron or their contractors will not collect any paleontologic or archeologic materials.

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

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

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 special status animal species will be required a minimum of 14 days prior to surface disturbance. Contact the Authorized Officer of the BLM for specific procedures.

OPERATOR Equitable Resources Energy Company
Balcron Oil Division

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

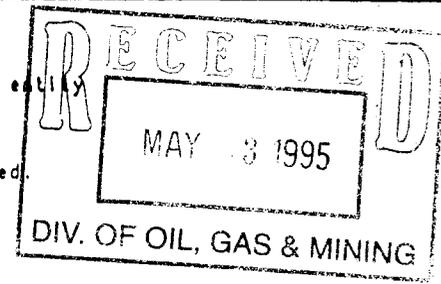
OPERATOR ACCT. NO. 11 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11764	43-013-31478	Balcron Federal #41-10Y	NE NE	10	9S	16E	Duchesne	4-30-95	4-30-95
WELL 1 COMMENTS: Spud of a new well. Entity added 5-4-95. Lec											
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)
 - D - 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)



Molly Connors
Signature
Operations Secretary
Title
Date 5-1-95
Phone No. 406 259-7860

5-4-95



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

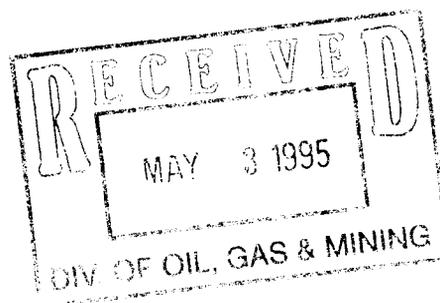
1601 Lewis Avenue
Billings, MT 59102

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

CONFIDENTIAL

April 24, 1995

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



Gentlemen:

RE: Balcron Federal #41-10Y *43-013-31478*
NE NE Section 10, T9S, R16E
Duchesne County, Utah

Please consider this letter notice that the subject well was spud on 4-30-95 at 2:30 p.m.

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

Sincerely,

Molly Conrad
Operations Secretary

/mc

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON FEDERAL 41-10Y

Api No. 43-013-31478

Section 10 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 5/4/95

Time _____

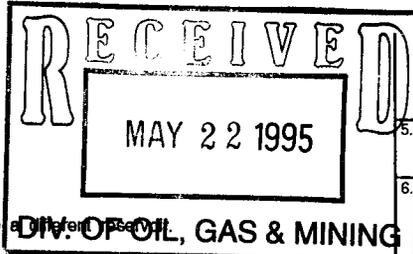
How ROTARY

Drilling will commence _____

Reported by AL PLUNKETT

Telephone # _____

Date: 5/5/95 Signed: JLT



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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well
 Oil Well Gas Well Other

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

3. Address and Telephone No.
 1601 Lewis Avenue; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SURFACE: NE NE Section 10, T9S, R16E
 TD: 660' FNL & 660' FEL

5. Lease Designation and Serial No.
 U-65208

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

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

8. Well Name and No.
 Balcron Federal #41-10Y

9. API Well No.
 43-013-31478

10. Field and Pool, or Exploratory Area

11. County or Parish, State

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

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

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

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

Operator plans to plug and abandon this well as follows:

Plug #1	5000' - 5300'	102 sacks cement
Plug #2	2890' - 3200'	135 sacks cement
Plug #3	1750' - 1950'	84 sacks cement
Plug #4	170' - 370'	78 sacks cement
Plug #5	Surf - 60'	20 sacks cement

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

All cement used will be Class "G" w/1/4#sack Cello-Seal and 2#sack Hi-Seal + 2% CCL.

Original: BLM, Vernal District Office
 Copy to: State of Utah, Division of Oil, Gas & Mining

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 5-15-95

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

GEOLOGICAL WELLSITE REPORT

Balcron Oil Company
Federal No. 41-10Y
CNE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-T9S-R16E
Duchesne County, Utah

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

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Sample Description	9-18
Penetration Log	In Pocket

DATA SHEET

OPERATOR: Balcron Oil Company

WELL NAME: Federal No. 41-10Y

LOCATION: CNE $\frac{1}{4}$ NE $\frac{1}{4}$ (660' fnl-660' fel) Section 10, Township 9 South, Range 16 East, Duchesne County, Utah

AREA: Monument Butte

ELEVATIONS: Ground (graded) 5616'; KB 5626'

SPUDED: May 2, 1995

DRILLED OUT: May 4, 1995 @ 11:00 PM

REACHED T.D.: May 11, 1995 @ 4:00 PM

TOTAL DEPTH: 6080' Driller; 6076' Logger

STATUS: Plugged & Abandoned May 13, 1995 @ 9:30 AM

HOLE SIZE: 12 $\frac{1}{4}$ " Surface - 270' 7 7/8" 270-6080'

DRILLING FLUID: Air & Foam 270-4216'; Kcl Water 4216'-T.D.

SURFACE CSG.: Ran 9 jts (260.3'), 8 5/8", 24 lb, J-55 STSC to 270' KB. Cemented w/160 sxs Class G, 2% CaCl₂, $\frac{1}{4}$ lb/sx Cello Seal. Good returns. Plugged down May 2, 1995 @ 1:30 PM.

PLUGS: Permission obtained from the Operator with plugs approved by the BLM. Witnessed by: BLM Field Rep.

Plug 1:	102 sxs	5000-3300
Plug 2:	135 sxs	2890-3200
Plug 3:	84 sxs	1750-1950
Plug 4:	78 sxs	170- 370
Plug 5:	20 sxs	Surface

DSTs: None. CORES: None.

LOGGING: Schlumberger Engineer: Jardon Vernal, Utah
 1. Azimuthal Resistivity w/ Cor 270-T.D.
 2. Intergrated Por-Litho w/GR 2500-T.D.

MUD LOGGERS: Northwest Mud Logging. Loggers Vodol, Schmoltdt,

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

SUPERVISION: Al Plunkett

GEOLOGIST: Durwood Johnson

FORMATION TOPS

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>* Ref. Well</u>
TERTIARY			
Unita	Surface		
Green River	1595	+4033	7' Low
Horsebench SS	2221	+3406	7' Low
2nd Garden Gulch	3931	+1696	35' Low
Yellow Marker	4572	+1055	41' Low
Y-6 Sand	4608	+1019	
Douglas Creek	4729	+ 898	38' Low
R-1 Sand	4773	+ 854	39' Low
2nd Douglas Creek	4967	+ 660	40' Low
G-1 Sand	5006	+ 621	30' Low
Green Marker	5114	+ 513	40' Low
G-4 Sand	5217	+ 410	36' Low
Carbonate Marker	5593	+ 34	34' Low
Uteland Butte Lime	6020	- 393	

TOTAL DEPTH:

Schlumberger	6076
Driller	6080

* Reference Well:

BMF No. 12-11J
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-T9S-R16E
 Duchesne County, Utah

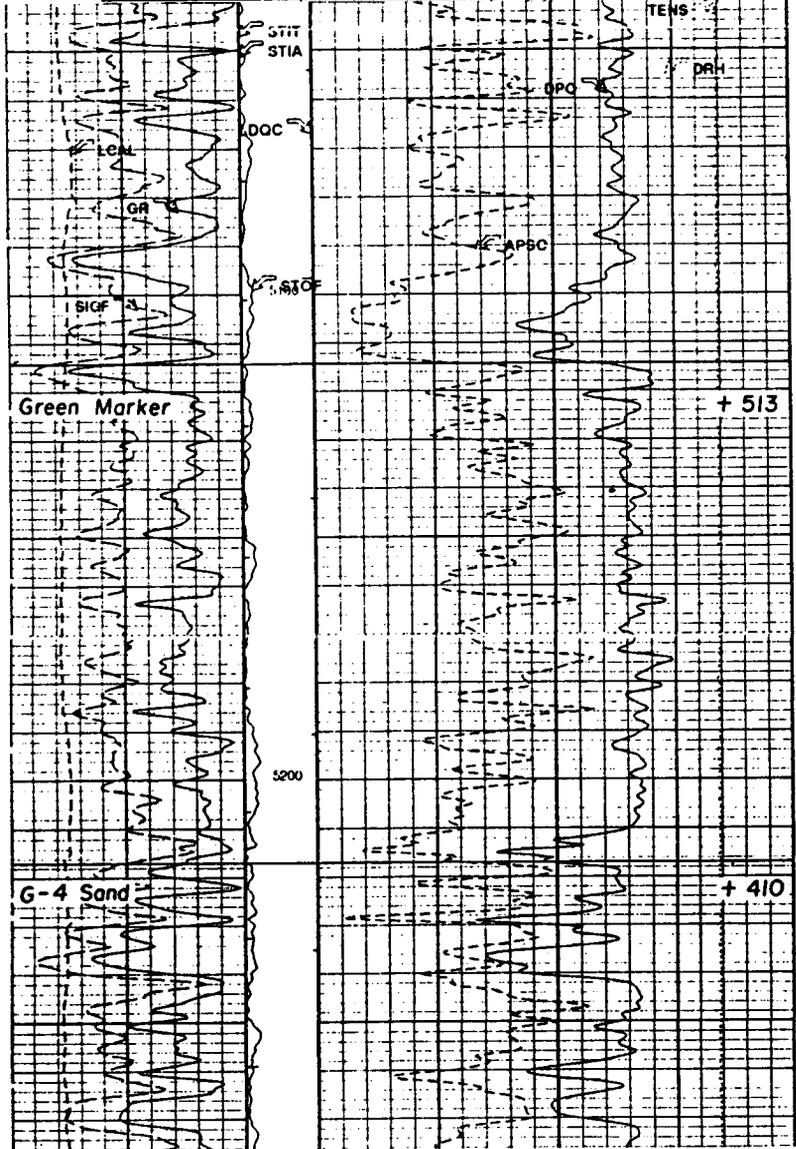
COMPANY: BALCRON OIL CO.

WELL: BALCRON FEDERAL #41-10Y

FIELD: MONUMENT BUTTE

COUNTY: DUCHESNE STATE: UTAH

Schlumberger		INTEGRATED POROSITY LITHOLOGY LOG GAMMA RAY	
NE NE SEC 10 T8S R15E	Elev	K R	5625 F
		G L	5617 F
		D F	5624 F
Permanent Datum	GROUND LEVEL	Elev	5617 F
Log Measured From	RKB	8.0 F	above Perm Datum
Drilling Measured From	RKP		
AP Section No N.A.	SECTION 10	TOWNSHIP 9S	RANGE 16E



Sigma Formation (SIGF) (CU)	Shuck Stretch (STIT) (F)	APS Epithermal Array Porosity Sandstone Corrected (APSC) (PU)
Gamma Ray (GR) (GAP)	Cable Drag From STIA to STIT	LDS Density Porosity (DPO) (PU)
LDS Caliper (LCAL) (IN)	Tool/Tot Drag From DJT to STIA	Gas Indicator From LDS_DENSITY_POROSITY to APS_EPI_ARR_POR_SS_COR
APS Computed Standoff (STOF) (IN) 1.5		LDS Bulk Density Correction (DRH) -0.25 (G C3) 0.25

LDOC
From
LDS
DENSITY
QUALITY
to DJT

Tension (TENS)
10000 (LBF) 0

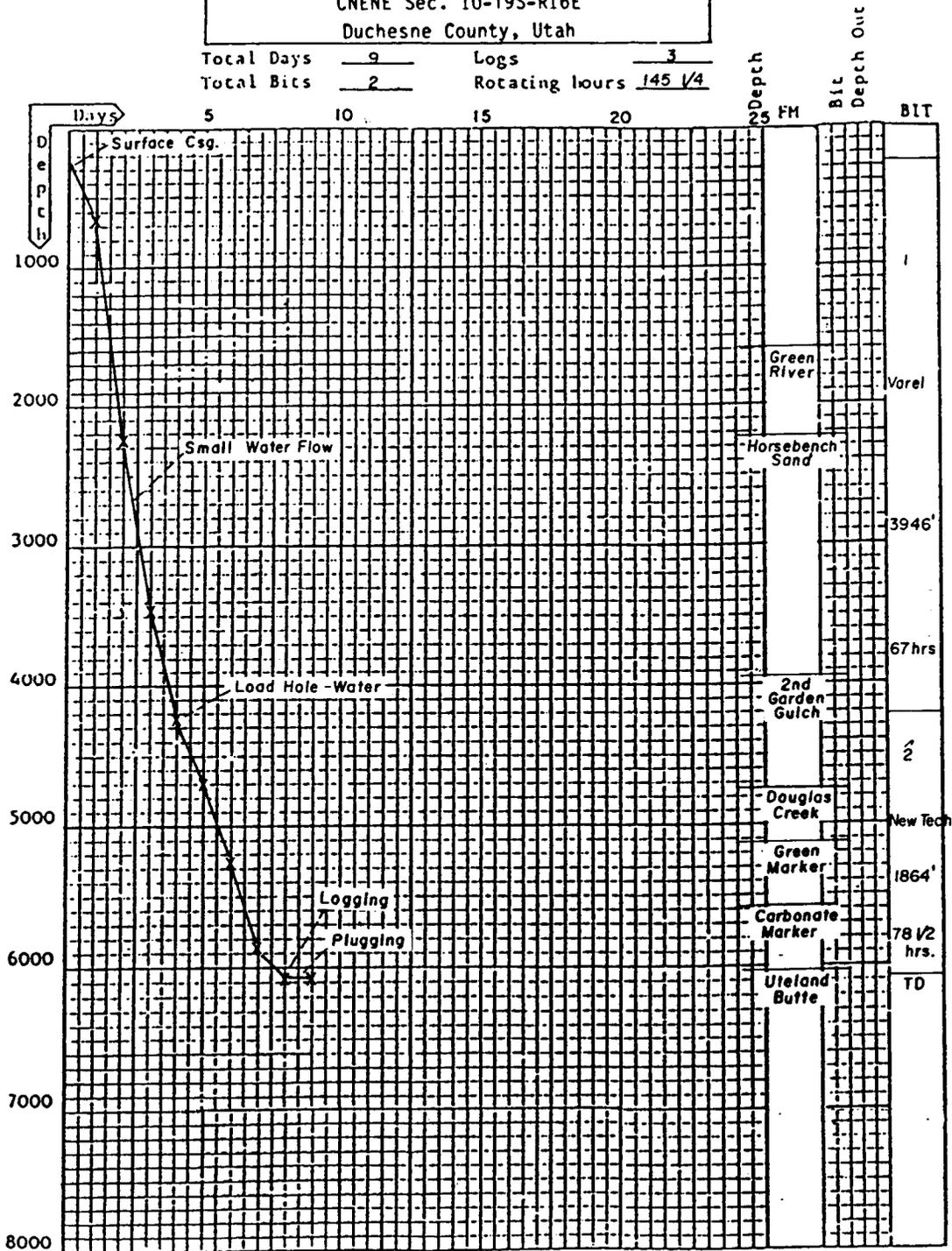
SHOW REPORT

FM	DEPTH	DRILL RATE mpf			TOTAL GAS units			CHROMATOGRAPHII ppm				Remarks
		before	during	after	before	peak	after	c1	c2	c3	c4	
Green River	2670-2700	.8	1.2	.8	3	30-40	20					55 fg, fair sort, a, no flon wat, pale yel flon - day sand matrix lt yel cut
Y-6 SS	4610-4612	2.4	1.6	2.4	2	48	4					5/101-vf9 ss pale, tn-brn stain, 1/4 yel yel flon, fair wht-yel cut
G-4 SS	5238-5241	1.2	.6	1.4	16	144	20	12,000	1600	620	420	55 vf-fg, well sort, sub a even tn-brn stain, yel flon, strong wht-yel cut
B-4 SS	5918-5926	2.8	1.4	2.8	30	158	36					55 vf-fg, well sort, a, pale tan stain, 1/4 wat-yel flon w/ greenish cut, fairly good bluish - wht cut!

PENETRATION CHART

Balcron Oil Company
 Federal No. 41-10Y
 CNENE Sec. 10-T9S-R16E
 Duchesne County, Utah

Total Days 9 Logs 3
 Total Bits 2 Rotating hours 145 1/4



WELL HISTORY

<u>Day</u>	<u>Date</u> 1995	<u>Depth</u>	<u>Operation</u>	<u>Daily Activity (Prev. 24 hrs. 6AM-6AM)</u>
1	5/5	650	Drilling	Move rig & rig up. Surface csg pre-set. Nipple up & test BOPs. Nipple up air head & flow lines. Pick up DCs & trip in Bit 1. Tag cement @ 215'. Drill cement plug & shoe - 4½ hrs. Drill from 270-650'. Made 380' in 6¼ hrs.
2	5/6	2217	Drilling	Drill & survey from 650-2217'. Made 1567' in 22 hrs.
3	5/7	3420	Drilling	Drill & survey from 2217-3430'. Made 1213' in 22½ hrs.
4	5/8	4216	Reaming	Drill & survey from 3430-4216'. Circulate & condition hole. Load hole w/water. Trip for Bit 2. Trip in. Reaming. Made 756' in 16 hrs.
5	5/9	4700	Drilling	Drill & survey from 4216-4700'. Made 484' in 23¼ hrs.
6	5/10	5234	Drilling	Drill & survey from 4700-5234. Made 534' 22¼ hrs.
7	5/11	5840	Drilling	Drill & survey from 5234-5840'. Made 606' in 23¼ hrs.
8	5/12	6080	Logging	Drill from 5840-6080'. Reached T.D. @ 4:00 PM 5/11/95. Made 240' in 9 3/4 hrs. Circulate for logs. Trip out. Wait on loggers. Rig up loggers. Logging - 12 hrs.
9	5/13	6080	Plugging	Trip in collars. WOO. Lay down collars. Trip in drill pipe. WO cementers - 2¼ hrs. Rig up cementers. Plugging.
10	5/14	6080	Plugging	Complete plugging 5/13/95 @ 8:30 AM. Rig released 5/13/95 @ 12:30 PM.

Balcron Monument Federal No. 41-10Y
NE¼NE¼ Sec. 10-T9S-R16E
Duchesne County, Utah

SAMPLE DESCRIPTION

- 1550-1600 Sandstone, very fine-fine grained, light grayish white, light gray, sub-rounded, argillaceous, appears tight; streaks Siltstone, light gray, argillaceous, slightly calcareous; streaks Shale, light gray, gray-tan, sub-waxy, very silty in part.
- GREEN RIVER 1595 (+4033)
- 1600-1650 Shale, medium gray, gray-brown, chunky, slightly calcareous; streaks Shale, tan, sub-blocky, dolomitic, scattered yellow and dull gold fluorescence, slow light yellow cut - Oil Shale; Sandstone, as above.
- 1650-1750 Shale, bright reddish tan, chunky, sub-blocky, dolomitic and limey streaks; occasionally grades to Marl; trace yellow fluorescence, abundant gold fluorescence, slow faint cloudy cut - Oil Shale; @ 1700 Shale, as above; increased Shale, gray-brown, chunky, slightly dolomitic; fluorescence and cut, as above.
- 1750-1850 Shale, bright tan, gray-tan, chunky, occasionally pyritic, slightly calcareous; dull gold fluorescence, slow faint cut - Oil Shale; @ 1800 Shale, as above, moderately calcareous; grades to a Marl; fluorescence and cut, as above - Oil Shale.
- 1850-1900 Shale, gray-tan, tan, bright tan, chunky, sub-blocky, moderately calcareous, dolomitic streaks; grades to a Marl; bright gold fluorescence, faint slow cloudy cut - Oil Shale.
- 1900-1950 Sandstone, very fine grained, light grayish-white, tan, sub-rounded to sub-angular, fair-good sorting, no show; Shale, as above; fluorescence and cut, as above - Oil Shale.
- 1950-2000 Shale, gray-tan, gray-brown, chunky; dull gold fluorescence, slow light yellow cut - cloudy in part - Oil Shale.
- 2000-2150 Shale, bright reddish-tan, gray-brown, occasionally gray, gray-tan, chunky, sub-blocky, dolomitic; grades to Marl; bright gold fluorescence, occasional fair light yellow cut - Oil Shale; @ 2100 Shale, as above, slight increased Shale, gray-tan, sub-platy, chunky, slightly dolomitic; fluorescence, as above; slow faint weak cloudy cut - Oil Shale.

- 2150-2200 Shale, gray-tan, gray, bright tan, reddish tan, chunky, sub-blocky, dolomitic and calcareous streaks; grades to Marl; scattered dull gold fluorescence, slow cloudy cut; streaks Shale, gray-green, chunky, silty.
- HORSEBENCH SANDSTONE 2221 (+3406)
- 2200-2250 Shale, as above; streaks Sandstone, very fine grained, light gray-tan, gray-green, fair sorting, sub-rounded, loose quartz grains; streaks Shale, green, silty, calcareous; slight dull gold fluorescence, occasional faint light yellow cut - Oil Shale.
- 2250-2350 Shale, brown, reddish-brown, gray-green, gray, chunky, sub-platy, dolomitic; occasionally grades to Marl; scattered dull gold fluorescence, occasional weak cut - Oil Shale; streaks Sandstone, very fine grained, cream, light gray, very argillaceous, appears tight; @ 2300 increased Shale, gray-green, chunky, abundant dull fluorescence and cut, as above - Oil Shale.
- 2350-2400 Shale, bright tan, reddish-brown, brown, chunky, silty in part, dolomitic and limey; grades to a Marl; abundant dull gold fluorescence, fair whitish yellow cut - Oil Shale.
- 2400-2500 Shale, gray-brown, brown, chunky, sub-blocky, slightly dolomitic; scattered dull gold fluorescence, fair-good rapid whitish yellow cut - Oil Shale.
- 2500-2550 Shale, brown, gray-brown, chunky, sub-blocky, silty; streaks Shale, bright tan, sub-platy, silty in part, dolomitic; grades to Marl; scattered dull yellow and gold fluorescence, fair light yellow cut - Oil Shale.
- 2550-2600 Shale, bright tan, chunky, sub-platy, silty in part, slightly dolomitic and moderately calcareous; dull gold fluorescence, fair light yellow cut - Oil Shale.
- 2600-2650 Shale, brown, gray-brown, chunky, slightly dolomitic; Shale, bright tan, as above; grades to Marl; abundant gold fluorescence, slow light yellow cut.
- 2650-2700 Sandstone, very fine-fine grained, light gray, grayish-white, occasionally medium grained, sub-rounded to sub-angular, fair-good sorting, primarily loose quartz grains, some silica bonded oil droplets in sample; no fluorescence - wet, pale yellow - dry; good whitish yellow cut.
- 2700-2750 Sandstone, very fine-medium grained, white, good sorting, sub-angular to sub-rounded, primarily loose quartz grains; no fluorescence - wet, pale yellow fluorescence - dry; good whitish yellow flashing cut.

- 2750-2850 Sandstone, very fine-fine grained, white, sub-angular to sub-rounded, good sorting; few patches of brown oil stain, fluorescence and cut, as above.
- 2850-2900 Sandstone, as above; scattered dull yellow, yellow-gold fluorescence, instant whitish flashing yellow cut; influx Shale, gray-tan, brown, chunky, dolomitic.
- 2900-2950 Sandstone, very fine-fine grained, occasionally medium grained, white, good sorting, sub-angular to sub-rounded, primarily loose quartz grains; patches oil stain, scattered dull yellow fluorescence, instant light yellow cut.
- 2950-3000 Shale, reddish brown, lumpy, dolomitic and calcareous, soft; abundant dull gold fluorescence, fair whitish yellow cut; Sandstone, as above.
- 3000-3050 Sandstone, very fine-fine grained, light grayish white, fair-good sorting; no fluorescence - wet, bright light whitish yellow fluorescence - dry, instant whitish yellow cut; Shale, as above.
- 3050-3100 Sandstone, as above; scattered patches of oil stain, fluorescence and cut, as above; streaks Shale, as above.
- 3100-3150 Shale, bright tan, reddish-tan, chunky, splintery, calcareous; grades to Marl; scattered light yellow and dull gold fluorescence, good bright whitish yellow fluorescence - Oil Shale; occasional streaks Limestone, cryptocrystalling, cream, white, earthy.
- 3150-3200 Shale, pale tan, cream, earthy, chunky, moderately calcareous; grades to Limestone; streaks Sandstone, very fine grained, white, limey, tight; faint dull yellow fluorescence, weak cloudy cut.
- 3200-3250 Shale, medium gray, chunky, sub-blocky, calcareous; streaks Sandstone, as above, tight.
- 3250-3300 Shale, gray, gray-tan, chunky, silty, calcareous and dolomitic.
- 3300-3350 Limestone, crypto-microcrystalline, cream, earthy; streaks Shale, bright tan, blocky, limey; grades to Marl; gold fluorescence, occasional poor-fair cut - Oil Shale.
- 3350-3450 Limestone, as above; scattered dull gold and yellow fluorescence, faint cloudy cut - Oil Shale; streaks Shale, gray-green, waxy, chunky, pyritic.

- 3450-3500 Shale, bright tan, chunky, sub-blocky, dolomitic and limey in part; grades to Marl; dull gold fluorescence, fair-good whitish yellow cut - Oil Shale; streaks Shale, gray-green, dark gray, sub-blocky, waxy; streaks Limestone, as above.
- 3500-3550 Limestone, cryptocrystalline, tan, cream, dense; scattered yellow to dull yellow fluorescence, fair light yellow cut, occasional good yellow cut; Shale, dark gray, gray-green, chunky, waxy, very slightly calcareous.
- 3550-3600 Sandstone, very fine-fine grained, light grayish white, fair-good sorting, sub-rounded; no fluorescence - wet, faint yellow fluorescence - dry, fairly slow light yellow cut -(cavings?)
- 3600-3650 Limestone, crypto-microcrystalline, tan, cream, earthy; dull yellow fluorescence, slow cloudy cut; streaks Shale, dark gray, gray-green, sub-waxy.
- 3650-3700 Sandstone, very fine-fine grained, light gray-white, sub-angular, well sorted; no fluorescence - wet, faint yellow fluorescence - dry; fair to good light yellow streaming cut (cavings?); influx Shale, light to medium gray, gray-green, sub-waxy, silty in part; Limestone, as above.
- 3700-3750 Shale, medium gray, gray-tan, bright reddish tan, chunky, waxy in part; no fluorescence, fair whitish yellow cut - Oil Shale; influx Limestone, crypto-crystalline, tan, reddish tan, blocky, dense.
- 3750-3850 Limestone, crypto-microcrystalline, tan, brown, argillaceous in part, dense; streaks Shale, dark brown, reddish brown, blocky, chunky, calcareous streaks; gold fluorescence, fair whitish yellow cut - Oil Shale; @ 3800 streaks Shale, light-medium gray, chunky, sub-waxy, silty scattered dull yellow fluorescence, slow whitish yellow cloudy cut; Sandstone, fine grained, occasionally medium grained, light gray, fair sorting, sub-angular; no fluorescence (cavings?)
- 3850-3900 Shale, light gray-gray, gray-green, sub-waxy; occasional streaks Limestone, as above; Sandstone, very fine-fine grained light gray, fair-good sorting, sub-angular, no fluorescence, slow cloudy whitish yellow cut (cavings?)
- 2nd GARDEN GULCH 3931 (+1696)
- 3900-4000 Shale, light gray, light green, chunky, sub-waxy; influx Limestone, cryptocrystalline, cream, pale tan,

earthy; Sandstone, as above; abundant loose quartz grains; scattered dull gold fluorescence, rare faint cloudy cut.

- 4000-4060 Sandstone, very fine grained, white, well sorted, sub-angular to sub-rounded; faint yellow fluorescence, fair rapid light yellow cut becomes cloudy (cavings?); trace Shale, as above; @ 4030 rare streaks Shale, reddish brown, bright tan, blocky, limey; dull gold fluorescence weak light yellow cut - Oil Shale.
- 4060-4090 Shale, gray, gray-green, chunky, waxy; Shale, as above; dull yellow fluorescence, slow cloudy cut - Oil Shale.
- 4090-4150 Shale, light gray, chunky, sub-waxy; no fluorescence, slow cloudy cut; Sandstone, very fine grained, light gray, sub-rounded, well sorted; no fluorescence, slow cloudy cut (cavings?) @ 4100 streaks Siltstone-very fine grained Sandstone, light gray, well sorted, sub-angular to sub-rounded, tight, no show.
- 4150-4210 Shale, light green, gray, gray-brown, chunky, silty, waxy; streaks Siltstone-very fine grained Sandstone, as above, possible fair porosity; light tan-brown stain, light yellow fluorescence, fairly slow light yellow cut (cavings?); streaks Limestone, crypto-crystalline, tan, light brown, dolomitic, dense; scattered yellow fluorescence, slow faint light yellow cut - Oil Shale.
- 4210-4240 Shale, pale green, sub-waxy, silty in part; streaks Shale, dark brown, blocky, dolomitic; scattered dull gold fluorescence, slow cloudy light yellow cut - Oil Shale.
- 4240-4270 Shale, light gray, occasionally gray-green, chunky, soft; influx Sandstone, very fine-fine grained, light gray, grayish white, fair sorting, sub-angular, tight; scattered light yellow-yellow fluorescence, rapid light yellow-whitish yellow cut (cavings?)
- 4270-4300 Shale, light-medium gray, sub-waxy, silty in part; streaks Sandstone, very fine-fine grained, light gray, clear, sub-angular to sub-rounded, primarily loose quartz grains; stain, fluorescence and cut, as above; (cavings?)
- 4300-4330 Shale, reddish brown, brown, blocky, dolomitic; scattered dull yellow fluorescence, slow light yellow cut - Oil Shale; Shale, light gray, gray, gray-green, waxy, silty in part.

- 4330-4360 Shale, gray, gray-green, chunky, sub-waxy, silty in part.
- 4360-4390 Shale, as above; influx Shale, brown, reddish brown, blocky, chunky, dolomitic; scattered dull yellow fluorescence, faint cloudy cut - Oil Shale.
- 4390-4450 Shale, brown, dark gray-brown, black, sub-blocky, chunky, silty in part, few chips with petroliferous appearance, moderately calcareous to limey; grades to shaley Limestone, scattered dull gold fluorescence, good fairly rapid whitish yellow cut.
- 4450-4480 Sandstone, very fine-fine grained, light gray, tan, well sorted, sub-rounded to sub-angular; no fluorescence, slow cloudy cut; Shale, as above.
- 4480-4510 Shale, light gray-green, gray, sub-platy, chunky, waxy, silty in part; occasional streaks Sandstone, as above; no fluorescence, slow cloudy cut.
- 4510-4570 Shale, as above; streaks Shale, black, blocky, brittle, carbonaceous, dolomitic; scattered gold fluorescence, fairly slow cloudy cut. Oil Shale.
- YELLOW MARKER 4572 (+1055)
- 4570-4600 Shale, light gray, blocky, silty; streaks Siltstone, light gray, argillaceous, calcareous; trace Limestone, earthy, cream-tan, soft.
- 4600-4630 Shale, gray-green, gray-tan, blocky, slightly calcareous; streaks Limestone, micro-very fine crystalline, tan, silty, dolomitic; streaks Siltstone-very fine grained Sandstone, light brown, slightly calcareous; poor porosity, light brown-tan stain, light yellow-dull yellow fluorescence with greenish cast, fair persistent whitish yellow cut.
- 4630-4660 Shale, light gray, blocky, very silty; grades to a shaley Siltstone; Siltstone-very fine grained Sandstone, light gray-white, abundant mushy matrix? material.
- 4660-4690 Shale, pale gray, chunky, platy; influx Siltstone-very fine grained Sandstone, light grayish white, good sorting, sub-angular, moderately calcareous to limey; grades to silty Limestone.
- 4690-4720 Shale, pale gray-tan, tan, blocky, sub-platy, calcareous, silty.

DOUGLAS CREEK 4729 (+898)

- 4720-4750 Shale, as above; influx Shale, reddish tan, brown, platy, blocky, limey.
R-1 SAND 4773 (+854)
- 4750-4810 Siltstone-very fine grained Sandstone, light grayish white, gray, well sorted, slightly calcareous, appears tight; trace light brown stain, no fluorescence - wet, pale yellow fluorescence - dry, slow light whitish yellow cut; Shale, as above.
- 4810-4870 Shale, pale gray, gray-tan, gray-green, sub-platy, silty in part; streaks Siltstone-very fine grained Sandstone, white, gray-tan, fair-good sorting, sub-angular, moderately calcareous to limey in part; trace stain, fluorescence and cut, as above (cavings?)
- 4870-4930 Shale, pale green, gray, sub-waxy, silty in part; streaks Siltstone-very fine grained Sandstone, as above; trace light brown stain, fluorescence, as above, slow cloudy cut (cavings?)
- 4930-4960 Shale, gray-brown, gray, gray-green, sub-platy, chunky, silty, waxy in part; abundant Siltstone-very fine grained Sandstone, light gray, grayish white, well sorted, sub-angular, slightly calcareous; trace stain, no fluorescence.
2nd DOUGLAS CREEK 4967 (+660)
- 4960-5020 Shale, gray, gray-tan, gray-green, very silty in part; streaks Siltstone-very fine grained Sandstone, as above, appears tight, no show; streaks Limestone, crypto-microcrystalline, tan, light brown, blocky, firm, dolomitic; scattered dull gold fluorescence, fair light yellow cut to cloudy cut.
- 5020-5050 Shale, brown, dark brown, chunky, silty in part, moderately calcareous, limey, carbonaceous streaks; Siltstone-very fine grained Sandstone, light gray, argillaceous, calcareous; trace tan stain, dull yellow fluorescence, slow cloudy cut.
- 5050-5080 Siltstone-very fine grained Sandstone, light gray, grayish white, occasionally tan, well sorted, sub-angular to sub-rounded; trace stain and fluorescence, as above, fair whitish yellow cut (cavings?)
- 5080-5110 Shale, dark brown, dark gray-brown, chunky, moderately calcareous to limey in part, carbonaceous streaks; no fluorescence, fair light yellow cloudy cut.
- 5110-5140 Shale, black, blocky, brittle, lignitic; streaks

Limestone, crypto-microcrystalline, blocky, argillaceous, dense; dull greenish yellow fluorescence, fair light yellow cloudy cut.

- 5140-5170 Shale, gray-brown, brown, sub-platy, silty in part, calcareous streaks; Shale, light gray, gray-green, waxy.
- 5170-5200 Siltstone-very fine grained Sandstone, light gray, white, well sorted, sub-rounded; trace stain, no fluorescence - trace dull yellow fluorescence, slow faint cloudy cut; streaks Shale, pale green, tan, gray-tan, sub-platy, waxy.
- 5200-5230 Shale, light gray, gray-tan, sub-platy, waxy; streaks Sandstone, very fine grained, light grayish white, clear, occasionally tan, fair-good sorting, sub-angular to sub-rounded, appears tight; trace light tan stain, no fluorescence, slow light yellow cut.
- G-4 SAND 5230 (+392)
- 5230-5260 Sandstone, very fine-fine grained, light gray, tan, brown, good sorting, sub-angular to angular, secondary quartz overgrowths, fairly tight, trace poor porosity, even tan-brown stain, yellow-dull yellow fluorescence with greenish cast, fair-good rapid whitish yellow cut - good show.
- 5260-5290 Shale, gray, gray-tan, sub-platy, chunky, waxy; abundant Sandstone, very fine grained, occasionally medium grained, light gray, tan, appears tight, decrease in light tan-brown stain, fluorescence and cut, as above.
- 5290-5320 Shale, light gray, gray-tan, chunky, waxy, silty in part; streaks Siltstone, light gray-tan, argillaceous, slightly calcareous, tight.
- 5320-5350 Shale, dark brown, gray-brown, chunky, silty, carbonaceous in part.
- 5350-5380 Shale, pale to medium gray, gray-green, sub-platy, chunky; Siltstone-very fine grained Sandstone, light gray, light grayish white, occasionally tan, good sorting, slightly calcareous, tight.
- 5380-5410 Shale, as above; influx Shale, dark gray, black, chunky, calcareous streaks.
- 5410-5440 Shale, dark grayish brown, dark brown, chunky, platy, calcareous in part, limey streaks.

- 5440-5470 Shale, black, blocky, sharp, firm, dolomitic streaks.
- 5470-5500 Shale, dark gray-brown, dark brown, brownish black, sub-platy, carbonaceous, soft.
- 5500-5560 Shale, brown, blocky, firm, slightly calcareous in part, occasional limey streaks; @ 5530 becomes increasingly limey.
- 5560-5590 Shale, black, dark gray-brown, firm, moderately calcareous, limey in part.
- CARBONATE MARKER 5593 (+34)
- 5590-5620 Shale, brown, dark gray-brown, blocky; streaks Siltstone, light gray-tan, occasionally grades to very fine grained Sandstone, argillaceous, calcareous to limey in part; trace Limestone, cryptocrystalline, brown, argillaceous.
- 5620-5650 Sandstone, very fine-fine grained, white, light grayish white, sub-rounded to angular, siliceous cement, appears tight, possible poor porosity; trace questionable tan stain, no fluorescence, fairly weak whitish yellow cloudy cut; streaks Shale, gray, gray-tan, chunky, silty in part.
- 5650-5680 Sandstone, very fine-fine grained, light grayish white, well sorted, sub-angular, possible poor porosity; trace questionable tan stain; no fluorescence, weak whitish yellow cloudy cut; streaks Shale, light gray, brown, chunky, silty, calcareous in part.
- 5680-5710 Shale, gray, gray-tan, dark gray, chunky, silty; streaks Siltstone-very fine grained Sandstone, light grayish white, well sorted, sub-angular to sub-rounded; trace stain, fluorescence and cut, as above.
- 5710-5770 Shale, dark gray, gray-brown, blocky, chunky, sub-platy, carbonaceous.
- 5770-5800 Sandstone, very fine-fine grained, white, light grayish white, sub-angular, fair-good sorting, appears fairly tight; trace pale tan stain, bright bluish white fluorescence, fairly slow whitish yellow cut.
- 5800-5830 Sandstone, very fine-fine grained, clear, light grayish white, well sorted, sub-angular to sub-rounded, slightly calcareous; trace tan questionable stain, scattered yellow and bluish white fluorescence, fairly slow faint cut; streaks Shale, gray, gray-tan, reddish tan, platy, chunky.

- 5830-5860 Shale, dark gray, gray-brown, pale gray, waxy, chunky; streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, tight.
- 5860-5890 Shale, as above; influx Sandstone, very fine grained, light gray, white, clear, sub-angular, well sorted, no fluorescence.
- 5890-5920 Sandstone, very fine-fine grained, as above; scattered dull yellowish white fluorescence, slow light yellow cloudy cut; streaks Shale, as above.
- 5920-5950 Sandstone, as above; influx pale tan stain, scattered dull yellow fluorescence with greenish cast, fairly good light yellow to whitish yellow cut; increased Shale, pale gray, medium gray, tan, chunky.
- 5950-6010 Shale, as above; influx Shale, black, dark gray-brown, chunky, calcareous; @ 5980 streaks Siltstone-very fine grained Sandstone, light gray, gray-tan, good sorting, argillaceous, calcareous. No show.
- UTELAND BUTTE LIMESTONE 6020 (-393)
- 6010-6040 Limestone, cryptocrystalline, black, argillaceous, soft.
- 6040-6080 Shale, black, dark gray-brown, blocky, firm, calcareous in part, limey streaks.

GEOLOGICAL WELLSITE REPORT

Balcron Oil Company
Federal No. 41-10Y
CNE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-T9S-R16E
Duchesne County, Utah

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

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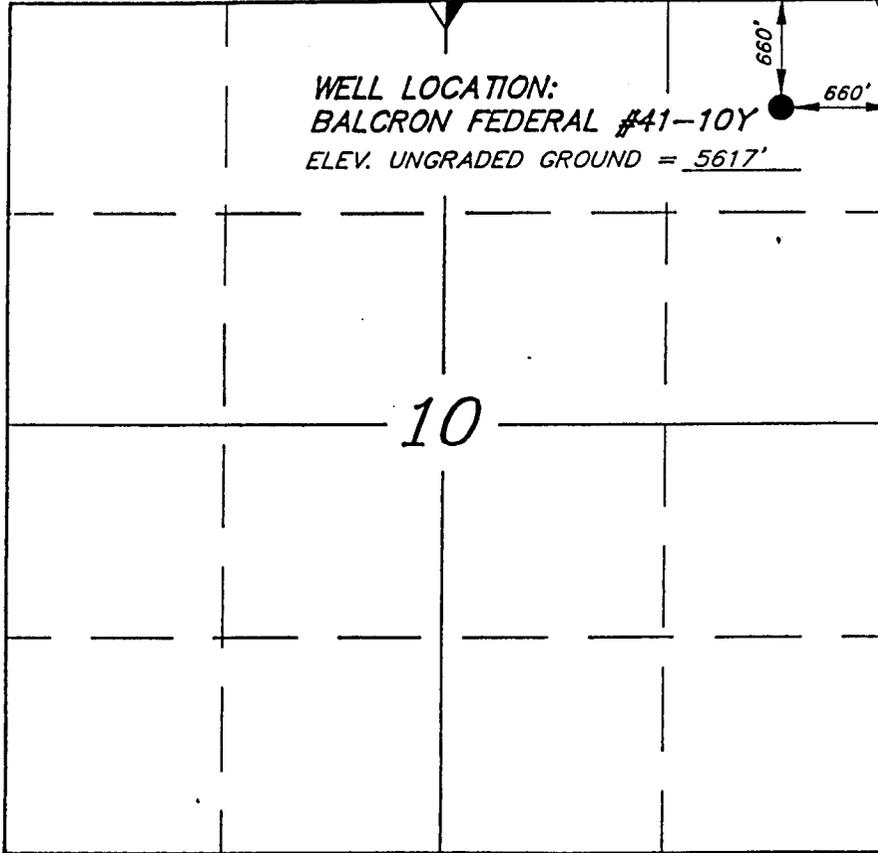
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T9S, R16E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

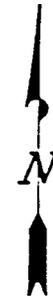
S89°54'W - 39.95 (G.L.O.)

S89°54'W (G.L.O.) Basis of Bearings
2636.70' - Measured

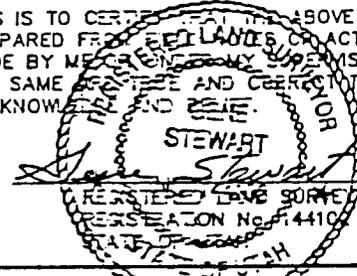


WELL LOCATION:
BALCRON FEDERAL #41-10Y
ELEV. UNGRADED GROUND = 5617'

WELL LOCATION, BALCRON FEDERAL #41-10Y,
LOCATED AS SHOWN IN THE NE 1/4 NE 1/4
OF SECTION 10, T9S, R16E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM THE RECORDS 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.



S89°59'W - 79.88 (G.L.O.)



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

TRI STATE LAND SURVEYING & CONSULTING
38 EAST 100 NORTH, VERNAL, UTAH 84072
(501) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 10-11-94	WEATHER: COOL
NOTES:	FILE #41-10Y

EXHIBIT "A"

DATA SHEET

OPERATOR: Balcron Oil Company

WELL NAME: Federal No. 41-10Y

LOCATION: CNE $\frac{1}{4}$ NE $\frac{1}{4}$ (660' Fnl-660' Fel) Section 10, Township 9 South, Range 16 East, Duchesne County, Utah

AREA: Monument Butte

ELEVATIONS: Ground (graded) 5616'; KB 5626'

SPUDED: May 2, 1995

DRILLED OUT: May 4, 1995 @ 11:00 PM

REACHED T.O.: May 11, 1995 @ 4:00 PM

TOTAL DEPTH: 6080' Driller; 6076' Logger

STATUS: Plugged & Abandoned May 13, 1995 @ 9:30 AM

HOLE SIZE: 12 $\frac{1}{4}$ " Surface - 270' 7 7/8" 270-6080'

DRILLING FLUID: Air & Foam 270-4216'; Kcl Water 4216'-T.O.

SURFACE CSG.: Ran 9 jts (260.3'), 8 5/8", 24 lb, J-55 STSC to 270' KB. Cemented w/160 sxs Class G, 2% CaCl₂, $\frac{1}{4}$ lb/sx Cello Seal. Good returns. Plugged down May 2, 1995 @ 1:30 PM.

PLUGS: Permission obtained from the Operator with plugs approved by the BLM. Witnessed by: BLM Field Rep.

Plug 1:	102 sxs	5000-3300
Plug 2:	135 sxs	2890-3200
Plug 3:	84 sxs	1750-1950
Plug 4:	78 sxs	170- 370
Plug 5:	20 sxs	Surface

DSTs: None. CORES: None.

LOGGING: Schlumberger Engineer: Jardon Vernal, Utah

1. Azimuthal Resistivity w/ Cor	270-T.O.
2. Intergrated Por-Litho w/GR	2500-T.O.

MUD LOGGERS: Northwest Mud Logging. Loggers Vodal, Schmoltdt,

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

SUPERVISION: Al Plunkett

GEOLOGIST: Durwood Johnson

FORMATION TOPS

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>* Ref. Well</u>
TERTIARY			
Unita	Surface		
Green River	1595	+4033	7' Low
Horsebench SS	2221	+3406	7' Low
2nd Garden Gulch	3931	+1696	35' Low
Yellow Marker	4572	+1055	41' Low
Y-6 Sand	4608	+1019	
Douglas Creek	4729	+ 898	38' Low
R-1 Sand	4773	+ 854	39' Low
2nd Douglas Creek	4967	+ 660	40' Low
G-1 Sand	5006	+ 621	30' Low
Green Marker	5114	+ 513	40' Low
G-4 Sand	5217	+ 410	36' Low
Carbonate Marker	5593	+ 34	34' Low
Uteland Butte Lime	6020	- 393	

TOTAL DEPTH:

Schlumberger	6076
Driller	6080

* Reference Well:

BMF No. 12-11J
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-T9S-R16E
 Duchesne County, Utah

COMPANY: BALCRON OIL CO.

WELL: BALCRON FEDERAL #41-10Y

FIELD: MONUMENT BUTTE

COUNTY: DUCHESNE STATE: UTAH

Schlumberger

INTEGRATED POROSITY
LITHOLOGY LOG
GAMMA RAY

NE NE SEC 10 T8S R15E

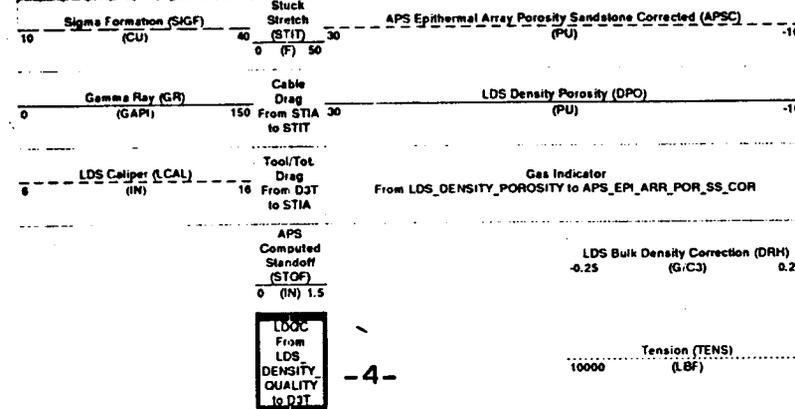
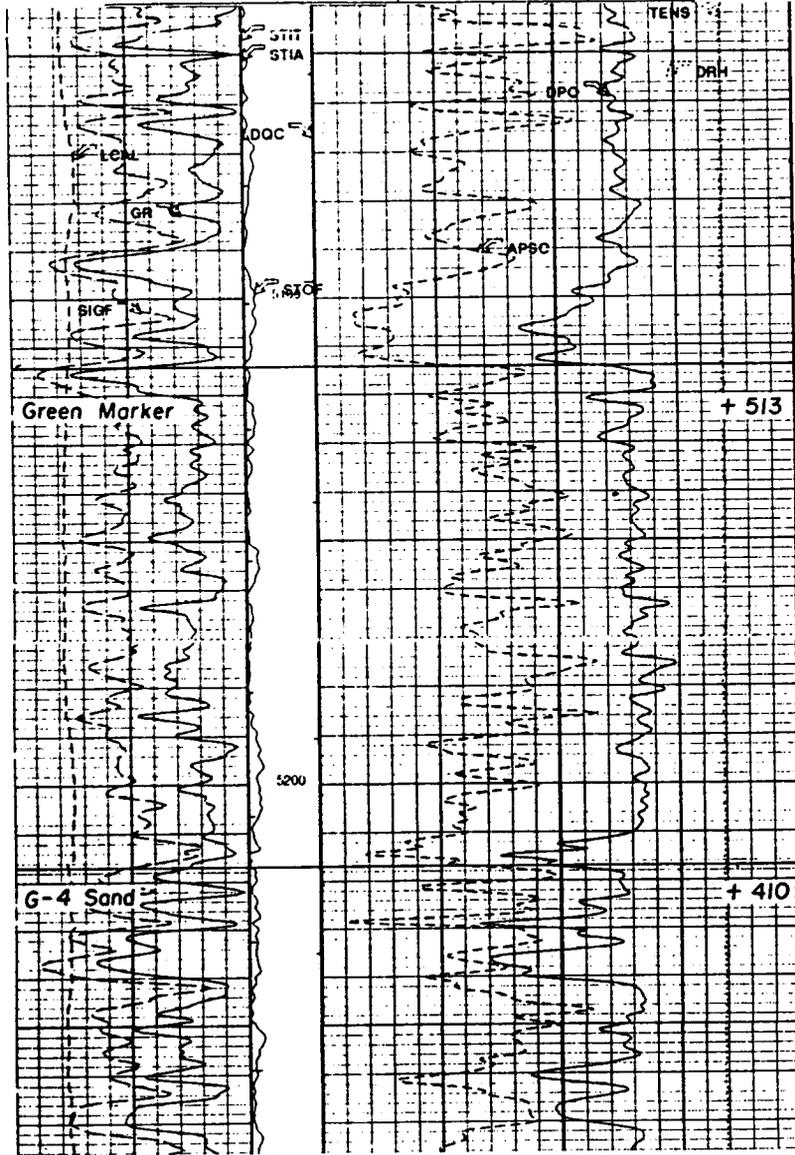
Elev KR 5625 F
GL 5617 F
DT 5624 F

Permanent Datum
Log Measured From
Drilling Measured From

GROUND LEVEL
RKB

Elev 5617 F
0 : Above Perm. Datum

APR 1964 SECTION 10 TOWNSHIP 9S RANGE 16E



LDS From LDS DENSITY QUALITY to D3T

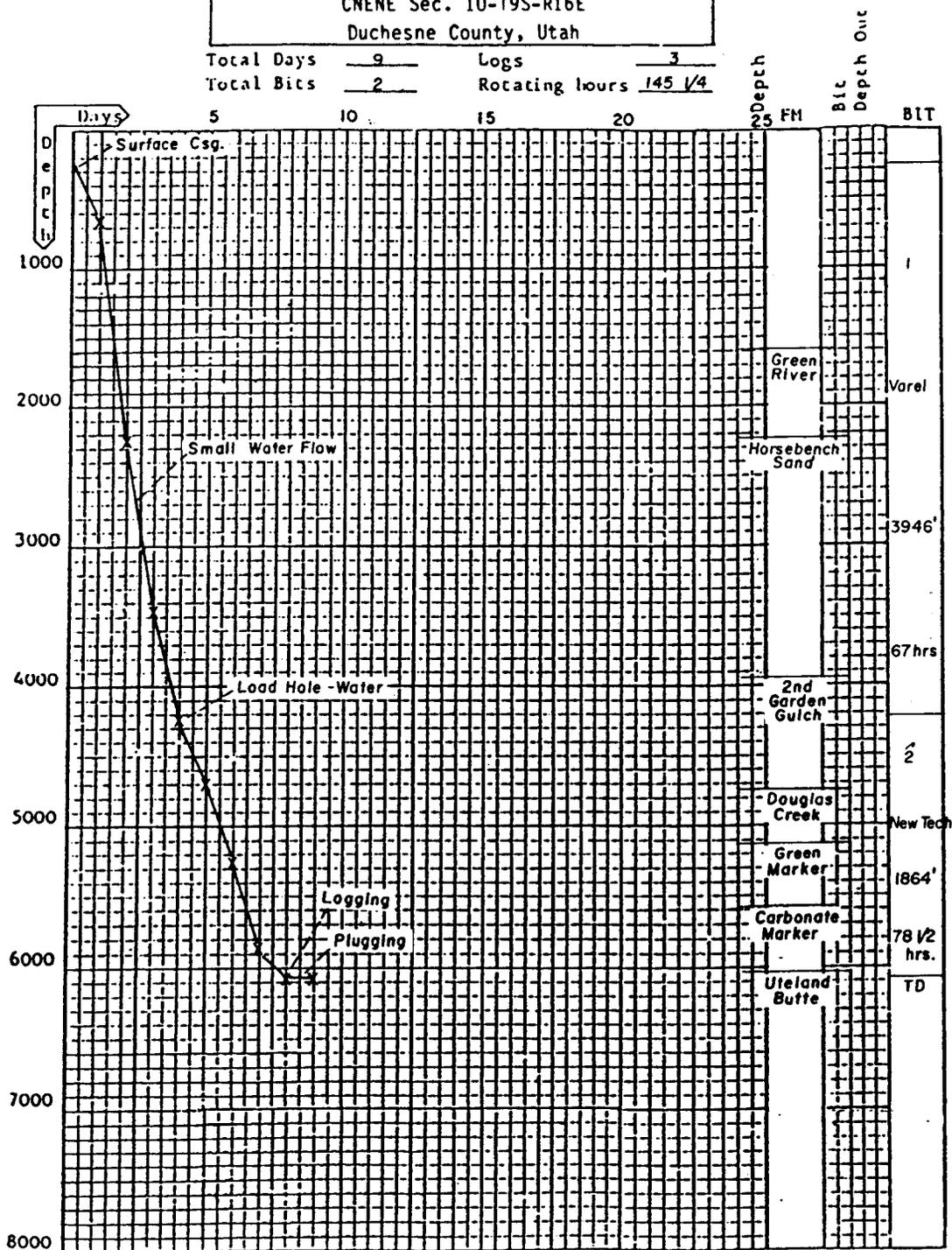
SHOW REPORT

FM	DEPTH	DRILL RATE mpf			TOTAL GAS units			CHROMATOGRAPHI ppm				Remarks
		before	during	after	before	peak	after	c1	c2	c3	c4	
Green River	2670-2780	.8	1.2	.8	3	30-40	20					ss fg, fair sort, a, no flon wat, pale yel fls - dry good instant lt yel cut
Y-6 SS	4610-4612	2.4	1.6	3.4	2	48	4					5 ft - vtg ss pale gn - brn str, 14 yel yel fls, fair wht-yel cut
G-4 SS	5230-5241	1.2	.6	1.4	16	144	20	12,000	1600	620	420	ss vt-fg, well sort, sub a even tn - brn stain, yel fls, strong wht-yel cut
B-4 SS	5910-5926	2.8	1.4	2.8	30	158	36					ss vt-fg, well sort, a, pale tan stain, 14 wat-yel fls w/ greenish cut, fairly good bluish - wht cut.

PENETRATION CHART

Balcron Oil Company
 Federal No. 41-10Y
 CNENE Sec. 10-T9S-R16E
 Duchesne County, Utah

Total Days 9 Logs 3
 Total Bits 2 Rotating hours 145 1/4



WELL HISTORY

<u>Day</u>	<u>Date</u> 1995	<u>Depth</u>	<u>Operation</u>	<u>Daily Activity (Prev. 24 hrs.6AM-6AM)</u>
1	5/5	650	Drilling	Move rig & rig up. Surface csg pre-set. Nipple up & test BOPs. Nipple up air head & flow lines. Pick up DCs & trip in Bit 1. Tag cement @ 215'. Drill cement plug & shoe - 4½ hrs. Drill from 270-650'. Made 380' in 6¼ hrs.
2	5/6	2217	Drilling	Drill & survey from 650-2217'. Made 1567' in 22 hrs.
3	5/7	3420	Drilling	Drill & survey from 2217-3430'. Made 1213' in 22½ hrs.
4	5/8	4216	Reaming	Drill & survey from 3430-4216'. Circulate & condition hole. Load hole w/water. Trip for Bit 2. Trip in. Reaming. Made 756' in 16 hrs.
5	5/9	4700	Drilling	Drill & survey from 4216-4700'. Made 484' in 23¼ hrs.
6	5/10	5234	Drilling	Drill & survey from 4700-5234. Made 534' 22¼ hrs.
7	5/11	5840	Drilling	Drill & survey from 5234-5840'. Made 606' in 23¼ hrs.
8	5/12	6080	Logging	Drill from 5840-6080'. Reached T.D. @ 4:00 PM 5/11/95. Made 240' in 9 3/4 hrs. Circulate for logs. Trip out. Wait on loggers. Rig up loggers. Logging - 12 hrs.
9	5/13	6080	Plugging	Trip in collars. WOO. Lay down collars. Trip in drill pipe. WO cementers - 2¼ hrs. Rig up cementers. Plugging.
10	5/14	6080	Plugging	Complete plugging 5/13/95 @ 8:30 AM. Rig released 5/13/95 @ 12:30 PM.

Balcron Monument Federal No. 41-10Y
NE¼NE¼ Sec. 10-T9S-R16E
Duchesne County, Utah

SAMPLE DESCRIPTION

- 1550-1600 Sandstone, very fine-fine grained, light grayish white, light gray, sub-rounded, argillaceous, appears tight; streaks Siltstone, light gray, argillaceous, slightly calcareous; streaks Shale, light gray, gray-tan, sub-waxy, very silty in part.
- GREEN RIVER 1595 (+4033)
- 1600-1650 Shale, medium gray, gray-brown, chunky, slightly calcareous; streaks Shale, tan, sub-blocky, dolomitic, scattered yellow and dull gold fluorescence, slow light yellow cut - Oil Shale; Sandstone, as above.
- 1650-1750 Shale, bright reddish tan, chunky, sub-blocky, dolomitic and limey streaks; occasionally grades to Marl; trace yellow fluorescence, abundant gold fluorescence, slow faint cloudy cut - Oil Shale; @ 1700 Shale, as above; increased Shale, gray-brown, chunky, slightly dolomitic; fluorescence and cut, as above.
- 1750-1850 Shale, bright tan, gray-tan, chunky, occasionally pyritic, slightly calcareous; dull gold fluorescence, slow faint cut - Oil Shale; @ 1800 Shale, as above, moderately calcareous; grades to a Marl; fluorescence and cut, as above - Oil Shale.
- 1850-1900 Shale, gray-tan, tan, bright tan, chunky, sub-blocky, moderately calcareous, dolomitic streaks; grades to a Marl; bright gold fluorescence, faint slow cloudy cut - Oil Shale.
- 1900-1950 Sandstone, very fine grained, light grayish-white, tan, sub-rounded to sub-angular, fair-good sorting, no show; Shale, as above; fluorescence and cut, as above - Oil Shale.
- 1950-2000 Shale, gray-tan, gray-brown, chunky; dull gold fluorescence, slow light yellow cut - cloudy in part - Oil Shale.
- 2000-2150 Shale, bright reddish-tan, gray-brown, occasionally gray, gray-tan, chunky, sub-blocky, dolomitic; grades to Marl; bright gold fluorescence, occasional fair light yellow cut - Oil Shale; @ 2100 Shale, as above, slight increased Shale, gray-tan, sub-platy, chunky, slightly dolomitic; fluorescence, as above; slow faint weak cloudy cut - Oil Shale.

- 2150-2200 Shale, gray-tan, gray, bright tan, reddish tan, chunky, sub-blocky, dolomitic and calcareous streaks; grades to Marl; scattered dull gold fluorescence, slow cloudy cut; streaks Shale, gray-green, chunky, silty.
- HORSEBENCH SANDSTONE 2221 (+3406)
- 2200-2250 Shale, as above; streaks Sandstone, very fine grained, light gray-tan, gray-green, fair sorting, sub-rounded, loose quartz grains; streaks Shale, green, silty, calcareous; slight dull gold fluorescence, occasional faint light yellow cut - Oil Shale.
- 2250-2350 Shale, brown, reddish-brown, gray-green, gray, chunky, sub-platy, dolomitic; occasionally grades to Marl; scattered dull gold fluorescence, occasional weak cut - Oil Shale; streaks Sandstone, very fine grained, cream, light gray, very argillaceous, appears tight; @ 2300 increased Shale, gray-green, chunky, abundant dull fluorescence and cut, as above - Oil Shale.
- 2350-2400 Shale, bright tan, reddish-brown, brown, chunky, silty in part, dolomitic and limey; grades to a Marl; abundant dull gold fluorescence, fair whitish yellow cut - Oil Shale.
- 2400-2500 Shale, gray-brown, brown, chunky, sub-blocky, slightly dolomitic; scattered dull gold fluorescence, fair-good rapid whitish yellow cut - Oil Shale.
- 2500-2550 Shale, brown, gray-brown, chunky, sub-blocky, silty; streaks Shale, bright tan, sub-platy, silty in part, dolomitic; grades to Marl; scattered dull yellow and gold fluorescence, fair light yellow cut - Oil Shale.
- 2550-2600 Shale, bright tan, chunky, sub-platy, silty in part, slightly dolomitic and moderately calcareous; dull gold fluorescence, fair light yellow cut - Oil Shale.
- 2600-2650 Shale, brown, gray-brown, chunky, slightly dolomitic; Shale, bright tan, as above; grades to Marl; abundant gold fluorescence, slow light yellow cut.
- 2650-2700 Sandstone, very fine-fine grained, light gray, grayish-white, occasionally medium grained, sub-rounded to sub-angular, fair-good sorting, primarily loose quartz grains, some silica bonded oil droplets in sample; no fluorescence - wet, pale yellow - dry; good whitish yellow cut.
- 2700-2750 Sandstone, very fine-medium grained, white, good sorting, sub-angular to sub-rounded, primarily loose quartz grains; no fluorescence - wet, pale yellow fluorescence - dry; good whitish yellow flashing cut.

- 2750-2850 Sandstone, very fine-fine grained, white, sub-angular to sub-rounded, good sorting; few patches of brown oil stain, fluorescence and cut, as above.
- 2850-2900 Sandstone, as above; scattered dull yellow, yellow-gold fluorescence, instant whitish flashing yellow cut; influx Shale, gray-tan, brown, chunky, dolomitic.
- 2900-2950 Sandstone, very fine-fine grained, occasionally medium grained, white, good sorting, sub-angular to sub-rounded, primarily loose quartz grains; patches oil stain, scattered dull yellow fluorescence, instant light yellow cut.
- 2950-3000 Shale, reddish brown, lumpy, dolomitic and calcareous, soft; abundant dull gold fluorescence, fair whitish yellow cut; Sandstone, as above.
- 3000-3050 Sandstone, very fine-fine grained, light grayish white, fair-good sorting; no fluorescence - wet, bright light whitish yellow fluorescence - dry, instant whitish yellow cut; Shale, as above.
- 3050-3100 Sandstone, as above; scattered patches of oil stain, fluorescence and cut, as above; streaks Shale, as above.
- 3100-3150 Shale, bright tan, reddish-tan, chunky, splintery, calcareous; grades to Marl; scattered light yellow and dull gold fluorescence, good bright whitish yellow fluorescence - Oil Shale; occasional streaks Limestone, cryptocrystalling, cream, white, earthy.
- 3150-3200 Shale, pale tan, cream, earthy, chunky, moderately calcareous; grades to Limestone; streaks Sandstone, very fine grained, white, limey, tight; faint dull yellow fluorescence, weak cloudy cut.
- 3200-3250 Shale, medium gray, chunky, sub-blocky, calcareous; streaks Sandstone, as above, tight.
- 3250-3300 Shale, gray, gray-tan, chunky, silty, calcareous and dolomitic.
- 3300-3350 Limestone, crypto-microcrystalline, cream, earthy; streaks Shale, bright tan, blocky, limey; grades to Marl; gold fluorescence, occasional poor-fair cut - Oil Shale.
- 3350-3450 Limestone, as above; scattered dull gold and yellow fluorescence, faint cloudy cut - Oil Shale; streaks Shale, gray-green, waxy, chunky, pyritic.

- 3450-3500 Shale, bright tan, chunky, sub-blocky, dolomitic and limey in part; grades to Marl; dull gold fluorescence, fair-good whitish yellow cut - Oil Shale; streaks Shale, gray-green, dark gray, sub-blocky, waxy; streaks Limestone, as above.
- 3500-3550 Limestone, cryptocrystalline, tan, cream, dense; scattered yellow to dull yellow fluorescence, fair light yellow cut, occasional good yellow cut; Shale, dark gray, gray-green, chunky, waxy, very slightly calcareous.
- 3550-3600 Sandstone, very fine-fine grained, light grayish white, fair-good sorting, sub-rounded; no fluorescence - wet, faint yellow fluorescence - dry, fairly slow light yellow cut -(cavings?)
- 3600-3650 Limestone, crypto-microcrystalline, tan, cream, earthy; dull yellow fluorescence, slow cloudy cut; streaks Shale, dark gray, gray-green, sub-waxy.
- 3650-3700 Sandstone, very fine-fine grained, light gray-white, sub-angular, well sorted; no fluorescence - wet, faint yellow fluorescence - dry; fair to good light yellow streaming cut (cavings?); influx Shale, light to medium gray, gray-green, sub-waxy, silty in part; Limestone, as above.
- 3700-3750 Shale, medium gray, gray-tan, bright reddish tan, chunky, waxy in part; no fluorescence, fair whitish yellow cut - Oil Shale; influx Limestone, crypto-crystalline, tan, reddish tan, blocky, dense.
- 3750-3850 Limestone, crypto-microcrystalline, tan, brown, argillaceous in part, dense; streaks Shale, dark brown, reddish brown, blocky, chunky, calcareous streaks; gold fluorescence, fair whitish yellow cut - Oil Shale; @ 3800 streaks Shale, light-medium gray, chunky, sub-waxy, silty scattered dull yellow fluorescence, slow whitish yellow cloudy cut; Sandstone, fine grained, occasionally medium grained, light gray, fair sorting, sub-angular; no fluorescence (cavings?)
- 3850-3900 Shale, light gray-gray, gray-green, sub-waxy; occasional streaks Limestone, as above; Sandstone, very fine-fine grained light gray, fair-good sorting, sub-angular, no fluorescence, slow cloudy whitish yellow cut (cavings?)
- 2nd GARDEN GULCH 3931 (+1696)
- 3900-4000 Shale, light gray, light green, chunky, sub-waxy; influx Limestone, cryptocrystalline, cream, pale tan,

earthy; Sandstone, as above; abundant loose quartz grains; scattered dull gold fluorescence, rare faint cloudy cut.

- 4000-4060 Sandstone, very fine grained, white, well sorted, sub-angular to sub-rounded; faint yellow fluorescence, fair rapid light yellow cut becomes cloudy (cavings?); trace Shale, as above; @ 4030 rare streaks Shale, reddish brown, bright tan, blocky, limey; dull gold fluorescence weak light yellow cut - Oil Shale.
- 4060-4090 Shale, gray, gray-green, chunky, waxy; Shale, as above; dull yellow fluorescence, slow cloudy cut - Oil Shale.
- 4090-4150 Shale, light gray, chunky, sub-waxy; no fluorescence, slow cloudy cut; Sandstone, very fine grained, light gray, sub-rounded, well sorted; no fluorescence, slow cloudy cut (cavings?) @ 4100 streaks Siltstone-very fine grained Sandstone, light gray, well sorted, sub-angular to sub-rounded, tight, no show.
- 4150-4210 Shale, light green, gray, gray-brown, chunky, silty, waxy; streaks Siltstone-very fine grained Sandstone, as above, possible fair porosity; light tan-brown stain, light yellow fluorescence, fairly slow light yellow cut (cavings?); streaks Limestone, crypto-crystalline, tan, light brown, dolomitic, dense; scattered yellow fluorescence, slow faint light yellow cut - Oil Shale.
- 4210-4240 Shale, pale green, sub-waxy, silty in part; streaks Shale, dark brown, blocky, dolomitic; scattered dull gold fluorescence, slow cloudy light yellow cut - Oil Shale.
- 4240-4270 Shale, light gray, occasionally gray-green, chunky, soft; influx Sandstone, very fine-fine grained, light gray, grayish white, fair sorting, sub-angular, tight; scattered light yellow-yellow fluorescence, rapid light yellow-whitish yellow cut (cavings?)
- 4270-4300 Shale, light-medium gray, sub-waxy, silty in part; streaks Sandstone, very fine-fine grained, light gray, clear, sub-angular to sub-rounded, primarily loose quartz grains; stain, fluorescence and cut, as above; (cavings?)
- 4300-4330 Shale, reddish brown, brown, blocky, dolomitic; scattered dull yellow fluorescence, slow light yellow cut - Oil Shale; Shale, light gray, gray, gray-green, waxy, silty in part.

- 4330-4360 Shale, gray, gray-green, chunky, sub-waxy, silty in part.
- 4360-4390 Shale, as above; influx Shale, brown, reddish brown, blocky, chunky, dolomitic; scattered dull yellow fluorescence, faint cloudy cut - Oil Shale.
- 4390-4450 Shale, brown, dark gray-brown, black, sub-blocky, chunky, silty in part, few chips with petroliferous appearance, moderately calcareous to limey; grades to shaley Limestone, scattered dull gold fluorescence, good fairly rapid whitish yellow cut.
- 4450-4480 Sandstone, very fine-fine grained, light gray, tan, well sorted, sub-rounded to sub-angular; no fluorescence, slow cloudy cut; Shale, as above.
- 4480-4510 Shale, light gray-green, gray, sub-platy, chunky, waxy, silty in part; occasional streaks Sandstone, as above; no fluorescence, slow cloudy cut.
- 4510-4570 Shale, as above; streaks Shale, black, blocky, brittle, carbonaceous, dolomitic; scattered gold fluorescence, fairly slow cloudy cut. Oil Shale.
- YELLOW MARKER 4572 (+1055)
- 4570-4600 Shale, light gray, blocky, silty; streaks Siltstone, light gray, argillaceous, calcareous; trace Limestone, earthy, cream-tan, soft.
- 4600-4630 Shale, gray-green, gray-tan, blocky, slightly calcareous; streaks Limestone, micro-very fine crystalline, tan, silty, dolomitic; streaks Siltstone-very fine grained Sandstone, light brown, slightly calcareous; poor porosity, light brown-tan stain, light yellow-dull yellow fluorescence with greenish cast, fair persistent whitish yellow cut.
- 4630-4660 Shale, light gray, blocky, very silty; grades to a shaley Siltstone; Siltstone-very fine grained Sandstone, light gray-white, abundant mushy matrix? material.
- 4660-4690 Shale, pale gray, chunky, platy; influx Siltstone-very fine grained Sandstone, light grayish white, good sorting, sub-angular, moderately calcareous to limey; grades to silty Limestone.
- 4690-4720 Shale, pale gray-tan, tan, blocky, sub-platy, calcareous, silty.

DOUGLAS CREEK 4729 (+898)

- 4720-4750 Shale, as above; influx Shale, reddish tan, brown, platy, blocky, limey.
- R-1 SAND 4773 (+854)
- 4750-4810 Siltstone-very fine grained Sandstone, light grayish white, gray, well sorted, slightly calcareous, appears tight; trace light brown stain, no fluorescence - wet, pale yellow fluorescence - dry, slow light whitish yellow cut; Shale, as above.
- 4810-4870 Shale, pale gray, gray-tan, gray-green, sub-platy, silty in part; streaks Siltstone-very fine grained Sandstone, white, gray-tan, fair-good sorting, sub-angular, moderately calcareous to limey in part; trace stain, fluorescence and cut, as above (cavings?)
- 4870-4930 Shale, pale green, gray, sub-waxy, silty in part; streaks Siltstone-very fine grained Sandstone, as above; trace light brown stain, fluorescence, as above, slow cloudy cut (cavings?)
- 4930-4960 Shale, gray-brown, gray, gray-green, sub-platy, chunky, silty, waxy in part; abundant Siltstone-very fine grained Sandstone, light gray, grayish white, well sorted, sub-angular, slightly calcareous; trace stain, no fluorescence.
- 2nd DOUGLAS CREEK 4967 (+660)
- 4960-5020 Shale, gray, gray-tan, gray-green, very silty in part; streaks Siltstone-very fine grained Sandstone, as above, appears tight, no show; streaks Limestone, crypto-microcrystalline, tan, light brown, blocky, firm, dolomitic; scattered dull gold fluorescence, fair light yellow cut to cloudy cut.
- 5020-5050 Shale, brown, dark brown, chunky, silty in part, moderately calcareous, limey, carbonaceous streaks; Siltstone-very fine grained Sandstone, light gray, argillaceous, calcareous; trace tan stain, dull yellow fluorescence, slow cloudy cut.
- 5050-5080 Siltstone-very fine grained Sandstone, light gray, grayish white, occasionally tan, well sorted, sub-angular to sub-rounded; trace stain and fluorescence, as above, fair whitish yellow cut (cavings?)
- 5080-5110 Shale, dark brown, dark gray-brown, chunky, moderately calcareous to limey in part, carbonaceous streaks; no fluorescence, fair light yellow cloudy cut.
- 5110-5140 Shale, black, blocky, brittle, lignitic; streaks

Limestone, crypto-microcrystalline, blocky, argillaceous, dense; dull greenish yellow fluorescence, fair light yellow cloudy cut.

- 5140-5170 Shale, gray-brown, brown, sub-platy, silty in part, calcareous streaks; Shale, light gray, gray-green, waxy.
- 5170-5200 Siltstone-very fine grained Sandstone, light gray, white, well sorted, sub-rounded; trace stain, no fluorescence - trace dull yellow fluorescence, slow faint cloudy cut; streaks Shale, pale green, tan, gray-tan, sub-platy, waxy.
- 5200-5230 Shale, light gray, gray-tan, sub-platy, waxy; streaks Sandstone, very fine grained, light grayish white, clear, occasionally tan, fair-good sorting, sub-angular to sub-rounded, appears tight; trace light tan stain, no fluorescence, slow light yellow cut.
- G-4 SAND 5230 (+392)
- 5230-5260 Sandstone, very fine-fine grained, light gray, tan, brown, good sorting, sub-angular to angular, secondary quartz overgrowths, fairly tight, trace poor porosity, even tan-brown stain, yellow-dull yellow fluorescence with greenish cast, fair-good rapid whitish yellow cut - good show.
- 5260-5290 Shale, gray, gray-tan, sub-platy, chunky, waxy; abundant Sandstone, very fine grained, occasionally medium grained, light gray, tan, appears tight, decrease in light tan-brown stain, fluorescence and cut, as above.
- 5290-5320 Shale, light gray, gray-tan, chunky, waxy, silty in part; streaks Siltstone, light gray-tan, argillaceous, slightly calcareous, tight.
- 5320-5350 Shale, dark brown, gray-brown, chunky, silty, carbonaceous in part.
- 5350-5380 Shale, pale to medium gray, gray-green, sub-platy, chunky; Siltstone-very fine grained Sandstone, light gray, light grayish white, occasionally tan, good sorting, slightly calcareous, tight.
- 5380-5410 Shale, as above; influx Shale, dark gray, black, chunky, calcareous streaks.
- 5410-5440 Shale, dark grayish brown, dark brown, chunky, platy, calcareous in part, limey streaks.

- 5440-5470 Shale, black, blocky, sharp, firm, dolomitic streaks.
- 5470-5500 Shale, dark gray-brown, dark brown, brownish black, sub-platy, carbonaceous, soft.
- 5500-5560 Shale, brown, blocky, firm, slightly calcareous in part, occasional limey streaks; @ 5530 becomes increasingly limey.
- 5560-5590 Shale, black, dark gray-brown, firm, moderately calcareous, limey in part.
- CARBONATE MARKER 5593 (+34)
- 5590-5620 Shale, brown, dark gray-brown, blocky; streaks Siltstone, light gray-tan, occasionally grades to very fine grained Sandstone, argillaceous, calcareous to limey in part; trace Limestone, cryptocrystalline, brown, argillaceous.
- 5620-5650 Sandstone, very fine-fine grained, white, light grayish white, sub-rounded to angular, siliceous cement, appears tight, possible poor porosity; trace questionable tan stain, no fluorescence, fairly weak whitish yellow cloudy cut; streaks Shale, gray, gray-tan, chunky, silty in part.
- 5650-5680 Sandstone, very fine-fine grained, light grayish white, well sorted, sub-angular, possible poor porosity; trace questionable tan stain; no fluorescence, weak whitish yellow cloudy cut; streaks Shale, light gray, brown, chunky, silty, calcareous in part.
- 5680-5710 Shale, gray, gray-tan, dark gray, chunky, silty; streaks Siltstone-very fine grained Sandstone, light grayish white, well sorted, sub-angular to sub-rounded; trace stain, fluorescence and cut, as above.
- 5710-5770 Shale, dark gray, gray-brown, blocky, chunky, sub-platy, carbonaceous.
- 5770-5800 Sandstone, very fine-fine grained, white, light grayish white, sub-angular, fair-good sorting, appears fairly tight; trace pale tan stain, bright bluish white fluorescence, fairly slow whitish yellow cut.
- 5800-5830 Sandstone, very fine-fine grained, clear, light grayish white, well sorted, sub-angular to sub-rounded, slightly calcareous; trace tan questionable stain, scattered yellow and bluish white fluorescence, fairly slow faint cut; streaks Shale, gray, gray-tan, reddish tan, platy, chunky.

- 5830-5860 Shale, dark gray, gray-brown, pale gray, waxy, chunky; streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, tight.
- 5860-5890 Shale, as above; influx Sandstone, very fine grained, light gray, white, clear, sub-angular, well sorted, no fluorescence.
- 5890-5920 Sandstone, very fine-fine grained, as above; scattered dull yellowish white fluorescence, slow light yellow cloudy cut; streaks Shale, as above.
- 5920-5950 Sandstone, as above; influx pale tan stain, scattered dull yellow fluorescence with greenish cast, fairly good light yellow to whitish yellow cut; increased Shale, pale gray, medium gray, tan, chunky.
- 5950-6010 Shale, as above; influx Shale, black, dark gray-brown, chunky, calcareous; @ 5980 streaks Siltstone-very fine grained Sandstone, light gray, gray-tan, good sorting, argillaceous, calcareous. No show.
- UTELAND BUTTE LIMESTONE 6020 (-393)
- 6010-6040 Limestone, cryptocrystalline, black, argillaceous, soft.
- 6040-6080 Shale, black, dark gray-brown, blocky, firm, calcareous in part, limey streaks.

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

3. Address and Telephone No.
 1601 Lewis Avenue; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SURFACE: NE NE Section 10, T9S, R16E
 TD: 660' FNL & 660' FEL

5. Lease Designation and Serial No.
 U-65208

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

7. If Unit or CA Agreement Designation
 n/a

8. Well Name and No.
 Balcron Federal #41-10Y

9. API Well No.
 43-013-31478

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

11. County or Parish, State
 Duchesne County, Utah

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

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

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

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

Operator plugged and abandoned this well as follows:

Plug #1	5000' - 5300'	102 sacks
Plug #2	2890' - 3200'	135 sacks
Plug #3	1750' - 1950'	84 sacks
Plug #4	170' - 370'	78 sacks
Plug #5	Surf - 60'	20 sacks

All cement was Class "G" w/1/4#/sx Cello-Seal and 2#/sx Hi-Seal2 + 2% CCL.



BLM representative Jamey Spargen was on location during plugging.

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

Signed Molly Conrad Title Operations Secretary Date 5-15-95

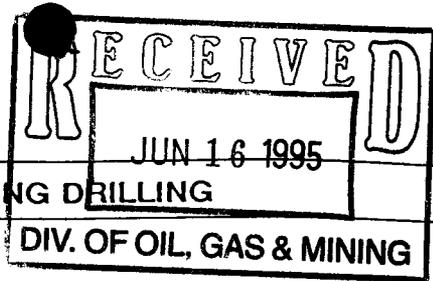
(This space for Federal or State office use)

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

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

*See instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Federal #41-10Y

API number: 43-013-31478

2. Well Location: QQ NE NE Section 10 Township 9S Range 16E County Duchesne

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

Address: 1601 Lewis Avenue

Billings, MT 59102

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

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

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

6. Formation tops: 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: 6-14-95

Name & Signature: Bobbie Schuman *Bobbie Schuman*

Title: Regulatory and Environmental Specialist

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

JUN 16 1995

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

5. LEASE DESIGNATION AND SERIAL NO.

U-65208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

n/a

8. FARM OR LEASE NAME

Balcron Federal

9. WELL NO.

41-10Y

10. FIELD AND POOL, OR WILDCAT

Undesignated/Green River

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

NE NE Section 10, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY **WELL OF OIL, GAS & MINING**

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

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

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

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

14. PERMIT NO. 43-013-31478 DATE ISSUED 12-13-94

15. DATE SPUDDED 4-30-95 16. DATE T.D. REACHED 5-12-95 17. DATE COMPL. (Ready to prod.) 5-13-95 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5617' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 6080' 21. PLUG, BACK T.D., MD & TVD n/a 22. IF MULTIPLE COMPL., HOW MANY* n/a 23. INTERVALS DRILLED BY SFC - TD 24. ROTARY TOOLS n/a 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* n/a 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN ARI/IPLT CMR MUD 6-2-95 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#	270' KB	12-1/4"	160 sxs Class "G" w/additives	None

29. LINER RECORD 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
n/a	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
n/a		P & A					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Sobhie Schuman TITLE Regulatory and Environmental Specialist DATE 6-14-95

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

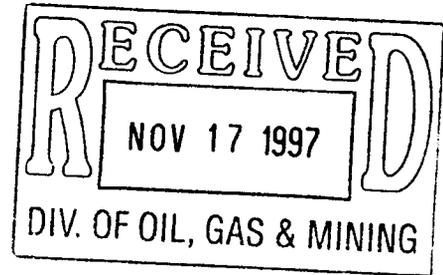
37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	Uinta Green River Horsebench SS 2nd Garden Gulch Yellow Marker Douglas Creek R-1 Sand (Pay) R-5 Sand (Pay) 2nd Douglas Creek G-1 Sand (Pay) Green Marker G-4 Sand (Pay) Carbonate Marker B-1 Sand (Pay) Utelard Butte Lime	Surface 1625' 2252' 3934' 4569' 4729' 4772' 4912' 4965' 5014' 5112' 5219' 5597' 5642' 6035'	Surface 1625' 2252' 3934' 4569' 4729' 4772' 4912' 4965' 5014' 5112' 5219' 5597' 5642' 6035'



November 13, 1997



State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Attn: Mr. Michael Hebertson

Re: Sundry Notices and Reports on Wells (Form 5)
Change of Operator (P&A Wells)

Dear Mr. Hebertson:

Enclosed are the above referenced documents for properties acquired from Equitable Resources Energy Company. If you should have any questions, please contact me at (303) 376-8107.

Sincerely,

Laurie J. Horob
Engineering Technician

Enclosures

Cc: Well File - Denver
Well File - Roosevelt

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

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

See Attached Exhibit

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **Change of Operator**

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

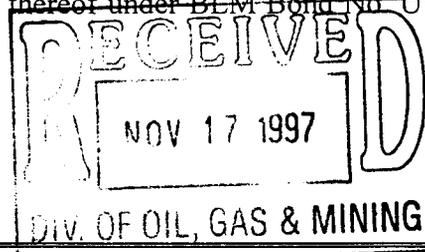
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

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, Montana 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 BLM Bond No. UT0056 issued by The Hartford Insurance Group.



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

Signed

Chris Pugh

Title

Manager of Land

Date

11/13/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

UTP & A

UT Plugged and Abandoned Wells Bought by Inland Resources, Inc.

Balcron Federal #41-10Y	Undesignated	NE NE	10	9S	16E	Duchesne	UT	5/15/95	Green River	U-65208	43-013-31478	660' FNL, 660' FEL	Vernal	
Balcron Federal #44-33Y	8 Mile Flat N.	SE SE	33	8S	18E	Uintah	UT	9/30/94	Green River	U-65969	43-047-32505	778.4' FSL, 623.7' FEL	Vernal	
Balcron Monument Fed. #13-25	Undesignated	NW SW	25	8S	17E	Uintah	UT	10/26/95	Green River	U-67845	43-047-32527	2254' FSL, 484' FWL	Vernal	
Balcron Monument Fed. #21-15J	Monument Butte	NE NW	15	9S	16E	Duchesne	UT	2/18/94	Green River	U-017985	43-013-31422	648' FNL, 1830' FWL	Vernal	Jonah Unit
Monument Federal #21-23-9-17Y	Monument Butte	NE NW	23	9S	17E	Uintah	UT	4/4/96	Green River	U-68102		773' FNL, 1809' FWL	Vernal	
Balcron State #41-36Y	Undesignated	NE NE	36	9S	17E	Uintah	UT	5/2/95	Green River	ML-42156	43-047-32564	660' FNL, 660' FEL	STATE	
Monument Federal #32-10-9-17Y	Monument Butte	SW NE	10	9S	17E	Duchesne	UT	35181	Green River	U-65210		1900' FNL, 1980' FEL	Vernal	
Cebra State #12-36	Wildcat	SW NW	36	15S	19W	Millard	UT	7/29/95	Palcozoic	State ML 48941	43-027-30034	1700' FNL, 800' FWL	STATE	CAP
Monument Federal #44-17-9-16	Monument Butte	SE SE	17	9S	16E	Duchesne	UT	P & A 8/2/96	Green River	U-52108		660' FSL, 860' FEL	Vernal	
Monument Federal #21-12J	Monument Butte	NE NW	12	9s	16E	Duchesne	UT		Green River	U-096550	43-013-31406	661' FNL & 1780' FWL	Vernal	Jonah Unit
Monument Federal #41-18	Monument Butte	NE NE	18	9S	17E	Duchesne	UT	11-15-93	Green River	U-72106	43-013-31399	660' FNL & 660' FEL	Vernal	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (435) 781-4400
Fax: (435) 781-4410

IN REPLY REFER TO:
3162.3
UT08438

December 9, 1997



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

43-013-31478
Re: Well No. Balcron Federal 41-10Y
NENE, Sec. 10, T9S, R16E
Lease U-65208
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager,
Minerals Resources

cc: Division of Oil, Gas & Mining
Equitable Resources Energy Company
ABO Petro Corp.
Yates Drilling Co.

Myco Industries Inc.
Yates Petroleum Corp.



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc

OPERATOR CHANGE WORKSHEET

1-LEC	6-LEC
2-GLH	7-KAS
3-DTS	8-SLV
4-VLD	9-FILE
5-IRB	

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

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

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

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

WELL(S) attach additional page if needed: ***JONAH UNIT/SEE COMMENTS**

Name: FEDERAL 41-10Y/PA	API: 43-013-31478	Entity: 11764	S 10	T 9S	R 16E	Lease: U65208
Name: MON. FEDERAL 13-25/PA	API: 43-047-32527	Entity: 11835	S 25	T 8S	R 17E	Lease: U67845
Name: MON. FEDERAL 21-15J/PA	API: 43-013-31422	Entity: 11492	S 15	T 9S	R 16E	Lease: U017985
Name: MON. FED. 21-23-9-17Y	API: 43-013-31624	Entity: 11894	S 23	T 9S	R 17E	Lease: U68102
Name: MON. FED. 32-10-9-17Y	API: 43-013-31592	Entity: 11909	S 10	T 9S	R 17E	Lease: U65210
Name: MON. FED. 44-17-9-16	API: 43-013-31683	Entity: 99998	S 17	T 9S	R 16E	Lease: U52018
Name: FEDERAL 41-18/PA	API: 43-013-31399	Entity: 11536	S 18	T 9S	R 17E	Lease: U3563A

OPERATOR CHANGE DOCUMENTATION

- LEC* 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- LEC* 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 11-17-97)*
- N/A* 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- LEC* 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- LEC* 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-13-98)*
- LEC* 6. **Cardex** file has been updated for each well listed above. *(1-13-98)*
- LEC* 7. Well **file labels** have been updated for each well listed above. *(1-13-98)*
- 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. *(1-13-98)*
- LEC* 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See* 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
Entity 11492 "Jonah Unit" Oper. chg. pending. 21-159 is a plugged well.
- N/A* 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

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

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A* 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
OT, 1/14/98
- N/A* 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

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

FILING

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

COMMENTS

980113 BLM / Vernal Aprv. 12-9-97.

* 21-159 within Jonah Unit; however it is a plugged well. No entity chg. necessary at this time. Also operator for Jonah is Equitable but chg to Tolend in progress.



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

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

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



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

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

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:	9/1/2004
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721

CA No. Unit:

WELL(S)								
NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WALKER/SAND PASS 14-21R-4-1(REEN	21	040S	010W	4301331069	14300	Fee	NA	P
CODY FEDERAL 2-35 (REENTRY)	35	080S	150E	4301331525	11794	Federal	OW	P
MONUMENT BUTTE FED 14-25	25	080S	160E	4301331531	11805	Federal	OW	P
MONUMENT BUTTE FED 12-25	25	080S	160E	4301331554	11840	Federal	OW	P
MONUMENT BUTTE FED 10-25	25	080S	160E	4301331562	11874	Federal	OW	P
MONUMENT BUTTE FED 16-26	26	080S	160E	4301331517	11814	Federal	OW	P
MONUMENT BUTTE ST 14-36	36	080S	160E	4301331508	11774	State	OW	P
MONUMENT BUTTE ST 10-36	36	080S	160E	4301331551	11822	State	OW	P
MONUMENT BUTTE ST 2-36	36	080S	160E	4301331556	11855	State	OW	P
ASHLEY FEDERAL 10-23	23	090S	150E	4301331519	11775	Federal	OW	P
FEDERAL 41-10Y	10	090S	160E	4301331478	11764	Federal	NA	PA
FEDERAL 21-13Y	13	090S	160E	4301331400	11510	Federal	OW	P
NOVA 31-20 G NGC FEDERAL	20	090S	160E	4301331071	10185	Federal	OW	S
FEDERAL 41-21Y	21	090S	160E	4301331392	11505	Federal	OW	S
FEDERAL 21-25Y	25	090S	160E	4301331394	11530	Federal	OW	S
ALLEN FEDERAL 31-6G	06	090S	170E	4301331442	11642	Federal	GW	S
FEDERAL 41-18	18	090S	170E	4301331399	11536	Federal	NA	PA

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 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