

UTAH OIL AND GAS CONSERVATION COMMISSION

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

930312 Commenced Injection etc. 1-29-93  
 Conf. Stat. Expired 11-29-93

8-13-92 Chg in loc. per O&M request

DATE FILED **6-19-92**  
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-020252-A** INDIAN

DRILLING APPROVED **6-25-92**

SPUDDED IN: **9-28-92**

COMPLETED: **10-29-92 POW** PUT TO PRODUCING: **11-10-92**

INITIAL PRODUCTION: **21 BOPD, 80 MCF, 2 BWPD**

GRAVITY A.P.I. **34**

GOR: **952**

PRODUCING ZONES: **4781-5336 (GRRV)**

TOTAL DEPTH: **5704'**

WELL ELEVATION: **5580 GR**

DATE ABANDONED:

FIELD: **MONUMENT**

UNIT:

COUNTY: **DUCHESNE**

WELL NO. **BALCRON MONUMENT FEDERAL 11-6** API NO. **43-013-31362**

LOCATION **10,730' FNL** FT. FROM (N) (S) LINE. **1001-696' FWL** FT. FROM (E) (W) LINE. **NW NW** 1/4 - 1/4 SEC. **6**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<b>9S</b>	<b>17E</b>	<b>6</b>	<b>BALCRON OIL</b>



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

RECEIVED

JUN 19 1992

DIVISION OF  
OIL GAS & MINING

June 18, 1992

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are Applications for Permit to Drill the following wells in Duchesne County, Utah:

Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E

Balcron Monument Federal #33-6  
NW SE Section 6, T9S, R17E

Balcron Monument Federal #42-6  
SE NE Section 6, T9S, R17E

Balcron Monument Federal #24-6  
SE SW Section 6, T9S, R17E

We have submitted these APDs to the Bureau of Land Management and will provide a copy of the approved Federal APDs when we have received them.

We request that the status of these wells be held tight for the maximum period allowed by State regulations.

If you have any questions or need further information, please let me know.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
EQUITABLE RESOURCES ENERGY COMPANY

**CONFIDENTIAL**

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 804' FNL 696' FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 miles southeast 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  
5,580'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 53187'

22. APPROX. DATE WORK WILL START\*  
8/1/92

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	260'	250 sx "G"
7-7/8"	5-1/2"	15.5#	5,580'	See EXHIBIT "D"

**RECEIVED**

JUN 19 1992

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM
- "E" EVIDENCE OF BOND COVERAGE

- "F" ARCHEOLOGY REPORT
- "G" RIG LAYOUT
- "H" BOPE SCHEMATIC
- "I" LOCATION SITE AND ELEVATION DIVISION OF OIL, GAS & MINING
- "J" EXISTING ROADS? PLANNED ACRES
- "K" EXISTING WELLS (MAP C)
- "L" DRILL PAD LAYOUT

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

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

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE June 18, 1992  
Bobbie Schuman  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #11-6  
NW NW Section 6-T9S-R17E  
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. The annular preventer will be tested to 500 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 plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

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

Drilling Program (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as the BLM approves all requirements included in this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather 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 Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah

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

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for 10.0 miles. Turn right onto the Monument Butte Gas Plant road. Go 0.8 miles on gas plant road. Turn right and follow lease road 0.7 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 "J" Maps A and B for access route.

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

- a. Length: Approximately 0.15 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: 3%
- d. Turnouts: None
- e. Drainage design: This will be a barrow ditch in cut areas.
- f. No culverts or bridges will be required. There are no cuts and/or fills on or along the proposed access road route.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.

- i. The road has been moved south of the originally flagged road to avoid a prehistoric cultural resource activity found during the Cultural Resource Survey. The right-of-way is centerline flagged.
- 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.

- l. No right-of-way applications are needed for this road.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "K" Map C.

- a. Water wells: none
- b. Abandoned wells: three
- c. Temporarily abandoned wells: none
- d. Disposal wells: none
- e. Drilling wells: none
- f. Producing wells: fifteen
- g. Shut-in wells: none
- h. Injection wells: none

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

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior

written approval to proceed with another alternative has been granted via Sundry Notice.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private pond in Pleasant Valley owned by Keith Hickens, Myton, Utah.
- b. The drilling water will be hauled by truck to the location site by Dalbo.

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 not be lined unless requested by the BLM or unless it is deemed necessary by the operator. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.

g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "I".
- 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 SE side of the location. It will be constructed long and narrow for topographic reasons.
- f. Flare pit will be located downwind of the prevailing wind directions near corner #8 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 North side near corner #1.
- h. Access to the wellpad will be from the east near corner #3.
- i. Diversion ditch(es) shall be constructed on the west side of the location above the cut slope, draining to the north.
- 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. See EXHIBIT "F" which is the Archeology Survey.
- 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. Evidence of bond coverage is included in this report, see EXHIBIT "E".
- d. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- e. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.

13. OPERATOR'S REPRESENTATIVES:

Balcron Oil, a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406) 259-7860  
FAX: (406) 245-1361

Dave McCoskery, Drilling Engineer      Home: (406) 248-3864

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

14. CERTIFICATION:

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

June 18, 1992  
Date

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

BALCRON OIL COMPANY

Geologic Prognosis

EXPLORATORY  
DEVELOPMENT X

WELL NAME: #11-6 Monument Butte-Federal PROSPECT/FIELD: Monument Butte  
 LOCATION: NW NW 804 FNL; 696 FWL SECTION NWNW 6 TOWNSHIP 9S RANGE 17E  
 COUNTY: Duchesne STATE: UT GL(Ung): 5318.7' EST KB: 5329' TOTAL DEPTH 5704'

FORM. TOPS:

Formation	Prognosis		Sample Top, Cntl Wl.			Formation	Prognosis		Sample Top Cntl		
	Depth	Datum	Depth	Datum	Datum		Depth	Datum	Depth	Datum	Datum
KB		5329			5362						
Duchesne		Surf.									
Green River	1562	3767			3812						
Horseshoe Bench	2269	3060			3105						
Pay #1	4325	1004			1049						
Douglas Ck.	4759	570			615						
Pay #2	4768	561			606						
Pay #3	4845	484			529						
Pay #4	5063	266			311						
Pay #5	5226	103			--						
Pay #6	5294	35			80						
Wasatch Tongue	5624	-295			NDE						
T. D.	5704										

CONTROL WELL: Allen Federal Sec/Oil: SWNW Section 6 Township 9S Range 17E  
#12-6

SAMPLES:

\_\_\_\_\_, samples, \_\_\_\_\_, to \_\_\_\_\_  
 \_\_\_\_\_, samples, \_\_\_\_\_, to \_\_\_\_\_

Send Samples To: \_\_\_\_\_

LOGS:

\_\_\_\_\_, from \_\_\_\_\_, to \_\_\_\_\_  
 \_\_\_\_\_, from \_\_\_\_\_, to \_\_\_\_\_

CORES:

None  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DRILL STEM TESTS:

None  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

MUD LOGGER/HOT WIRE:

Required: (Yes/No) Yes  
 Type: One Man

WELLSITE GEOLOGIST:

From \_\_\_\_\_ to \_\_\_\_\_  
 Name: \_\_\_\_\_ Title: II  
 Address: \_\_\_\_\_

COMMENTS:

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

PREPARED BY: Steve W. Van Delinder  
Keven K. Reinschmidt

DATE: 5/18/92

**BALCRON OIL  
DRILLING PROGRAM**

WELL NAME: Balcron Monument Butte PROSPECT/FIELD: Monument Butte  
Federal # 11-6  
LOCATION: NW NW Sec 6 Twn 9S Rge 17E  
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5580'

**HOLE SIZE INTERVAL**

=====  
12 1/4" Surf to 260'  
7 7/8" 260' to 5580'  
=====

CASING STRING TYPE	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
Surface	0'	260'	8 5/8"	24 #/FT	J-55
Production	0'	5580'	5 1/2"	15.50#/Ft	J-55

All casing will be ST&C, 8RD, New

**CEMENT PROGRAM**

=====  
Surface 250 sacks class "G" with 3% CaCl.  
(Note: Volumes are 100% excess.)  
  
Production 250 sacks Haliburton Hifill with 10 #/SK  
Gilsonite tailed with 180 sacks 50/50 Poz with  
0.3% CFR-3, 1/4 #/Sk Flocele, 0.5% Halad-24, and  
10% salt.  
(Note: Actual volumes will be calculated from  
caliper log.)  
=====

**PRELIMINARY  
DRILLING FLUID PROGRAM**

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Fresh Gel/Native Mud	Surf	260	8.5	NA	NA
Fresh Gel (LSND)	260'	5580'	8.7-8.9	10-12	12-14

**COMMENTS**

1.) No cores or DSTs are planned .

DMM  
5/14/92



## United States Department of the Interior

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

TAXE  
PRIDE IN  
AMERICA

IN REPLY TO:

MTM 12619-A et al  
BLM BOND NO. MT0576  
(922.31)

April 25, 1989

NOTICE

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

OIL AND GAS

CORPORATE MERGER RECOGNIZED  
RIDER TO NATIONWIDE BOND ACCEPTED

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

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

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

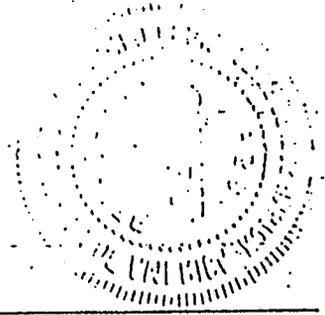
The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

*Cynthia L. Embretson*  
Cynthia L. Embretson, Chief  
Fluids Adjudication Section

1 Enclosure  
1-Exhibit A

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

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

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

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

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

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

SCHEDULE A

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

NAMES OF STATES

ALL STATES

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

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

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

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



SURETY RIDER

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

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

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

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

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

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

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

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

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

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

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

EQUITABLE RESOURCES ENERGY COMPANY  
PRINCIPAL

By: \_\_\_\_\_ TITLE

SAFECO INSURANCE COMPANY OF AMERICA  
SURETY

By: R. George Voinchet ATTORNEY-IN-FACT



POWER OF ATTORNEY

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

3798

No. \_\_\_\_\_

KNOW ALL BY THESE PRESENTS:

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

-----THOMAS L. VE HAR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

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

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

this 4th day of September, 19 87.

CERTIFICATE

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

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

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

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

- (i) The provisions of Article V, Section 13 of the By-Laws, and
- (ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
- (iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

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

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

this 10th day of April, 19 89.



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

May 26, 1992

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

**Project:** BALCRON OIL CO. -- 1992 Development  
Program for Units 11-6, 24-6, 33-6, and 42-6

**Project No.:** BLCR-92-2

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

**Utah State Project No.:** UT-92-AF- 228 b

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

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

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

CULTURAL RESOURCE EVALUATIONS  
OF FOUR PROPOSED WELL LOCATIONS  
(UNITS 11-6, 24-6, 33-6, and 42-6)  
IN THE CASTLE PEAK DRAW LOCALITY OF  
DUCHESNE COUNTY, UTAH

REPORT PREPARED FOR BALCRON OIL COMPANY

Dept. of Interior Permit No.: UT-92-54937  
Utah State Project No.: UT-92-AF-228b  
AERC PROJECT 1324 (BLCR-92-2)

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



Report Prepared by the  
ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)

P.O. Box 853  
Bountiful, Utah 84011-0853

May 26, 1992

## ABSTRACT

Intensive cultural resource evaluations have been conducted for Balcron Oil Company on the proposed Federal Well locations 11-6, 24-6, 33-6, and 42-6 in the Castle Peak Draw locality of Duchesne County, Utah. This series of well locations involved 10 acre survey areas. Access route corridors were also evaluated measuring ca. 30 meters in width for a total of ca. .87 mile in length. Thus, ca. 50.5 acres of public lands in the locality were examined by R. Beaty of AERC on May 21 and 22, 1992.

One significant cultural resource activity locus was identified and recorded during the examination. This site has been designated as 42DC 732 (AERC 1324B/1) and consists of an open occupation which can be avoided by realigning the access route into Unit 11-6.

One non-diagnostic isolated biface fragment of Tiger Chert was observed in the vicinity of Unit 24-6 but not collected.

The variety of known sites in Section 6 including 42DC 349, 42DC 350, 42DC 351, 42DC 352, AND 42DC 353 will be avoided by the proposed developments. No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

AERC recommends cultural resource clearance with the stipulation that the access route into Unit 11-6 should be moved to the south in order to avoid any disturbance to Site 42DC 732.

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## GENERAL INFORMATION

On May 21 and 22, 1992, AERC archaeologist Richard Beaty, M.A. conducted intensive cultural resource evaluations for Balcron Oil Company of Billings, Montana. These examinations involved four proposed well units (Federal Units 11-6, 24-6, 33-6, and 42-6) in the Castle Peak Draw locality of Duchesne County, Utah (see Map).

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

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register significance relative to established criteria (cf., 36 CFR 60.6). Federal regulations require archeological assessments of potentially endangered cultural resources in order to identify and preserve significant artifacts and cultural material, strata, features, or monuments that are susceptible to disturbance being situated in the immediate development zone. These excavations and site assessments were conducted in compliance with the Antiquities Act of 1906; the Historic Sites Act of 1935; 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.

### Project Location

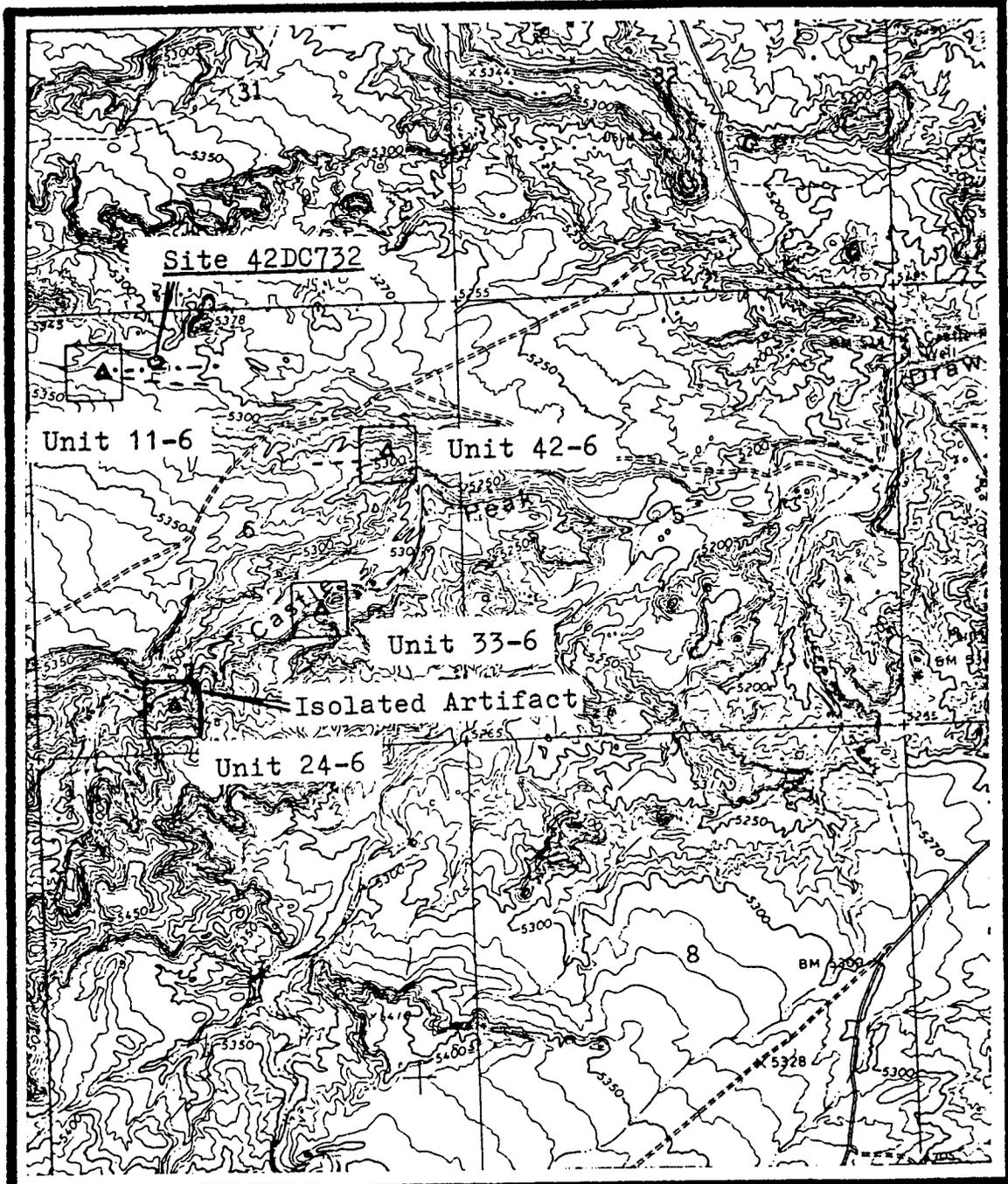
Unit 11-6: This location is in the NW 1/4 of the NW 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with an 800' access route leading from the existing roadway to the east of the location.

Unit 24-6: This location is in the SE 1/4 of the SW 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with a 2100' access route that approaches from the north as shown on the map.

Unit 33-6: This location is in the NW 1/4 of the SE 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with a short access route (800') that approaches from an existing well location to the east.

Unit 42-6: This location is in the SE 1/4 of the NE 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with a 900' access route that approaches from an existing well location to the west of Unit 42-6.

AERC



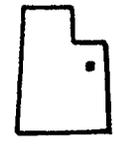
T. 9 South  
 R. 17 East  
 Meridian: SL  
 Quad: Myton SE,  
 Utah

**MAP**  
 Cultural Resource Survey  
 of Four Proposed Well  
 Locations in the Castle  
 Peak Draw Locality

**Legend:**  
 Well Center  $\Delta$   
 10 Acre Survey Area  $\square$   
 Access Route (original)  $---$   
 Cultural Site  $\circ$   
 Isolated Artifact  $\times$



Project: BLCR-92-2  
 Series: Uinta Basin  
 Date: 6-26-92  
 Scale: 1:24000



## Environmental Description

The project area is situated within the 5250 to 5400 foot elevation zone above sea level. Open rangeland and shallow canyon/arroyo terrain surfaces are associated with all these locations.

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

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

Records searches of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City were conducted on May 26, 1992. A similar search was conducted in the Vernal District Office of the BLM on May 20. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A few known cultural sites are situated in the Castle Peak Draw locality. Most of these prehistoric resources including Sites 42DC 349, 42DC 350, 42DC 351, 42DC 352, and 42DC 353 were identified and recorded during various archaeological inventories conducted by AERC in 1981 (Hauck 1981).

### 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 including Sites 42DC 349, 42DC 350, and 42DC 353. Open occupations have also been identified in this locality (42DC 352). Site 42DC 351 is a rock shelter. Site 42DC 353 apparently has a Paleoindian component based on the recovery of a Folsom point from that site. Sites in this locality generally appear to have been occupied during the Archaic Stage and the Late Prehistoric Period (Numa) with occasional indications of Paleoindian activity based on the recovery of isolated Folsom and Plano style projectile points.

The site density of this locality appears to range from six to above ten sites per square mile which is a moderate to high density for this region (see Hauck 1991:45-54 for comparable site density associations in other localities on the Northern Colorado Plateau).

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking 10 to 20 meter wide transects within the well location areas and along the proposed access corridors. This series of well locations involved 10 acre survey areas. Access route corridors were evaluated measuring ca. 30 meters in width for a total of ca. .87 mile in length. Thus, ca. 50.5 acres of public lands in the locality were examined by R. Beaty of AERC on May 21 and 22, 1992.

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 involves its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. The determination of site significance is also established during the examination and evaluation of the cultural resources.

### 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

One newly identified prehistoric cultural resource activity loci was observed and recorded during these archaeological evaluations. This site has been designated as 42DC 732 (AERC 1324B/1) and consists of an extensive lithic scatter and open occupation containing several deflated hearths. The site is ca. 30 x 40 meters in size and contains a variety of lithic material with the siltstone from the Parachute Creek Member of the Green River Formation being most dominant on the site. The site offers two separate units in association with an ephemeral drainage channel

and a low stabilized dune complex. Several scrapers were observed on the site as was a ground stone tool. No artifacts were collected from this site.

Site 42DC 732 meets the requirements of criterion d of Title 36 CFR 60.6 in that it contains the potential for providing pertinent information and materials relative to the prehistory of the locality and region. In addition, this site has contextual integrity.

The original access route into Unit 11-6 passes along the southern periphery of this site (see Map). In order to avoid any disturbance to this significant resource, AERC recommends that a new access road be planned that will be ca. 100 to 200 feet to the south of the original access route as shown on Map.

No previously recorded cultural sites will be adversely affected by the proposed developments.

One isolated artifact was observed during the evaluations. This artifact consists of a biface fragment of Tiger Chert that was observed in the vicinity of Unit 24-6. This isolate was not collected.

CONCLUSION AND RECOMMENDATIONS:

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

1. In order to avoid any disturbance to Site 42DC 732, AERC recommends that a new access road into Unit 11-6 be developed that will pass ca. 100 to 200 feet to the south of the original access route as shown on Map.

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

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

4. 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

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. AERC Report prepared for Diamond Shamrock Exploration (DS-81-2), Bountiful.

1991 ARCHAEOLOGICAL EVALUATIONS ON THE NORTHERN COLORADO PLATEAU CULTURAL AREA, AERC PAPER No. 45, Archeological-Environmental Research Corporation, Bountiful.

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_

Comments: \_\_\_\_\_

Summary Report of  
Inspection for Cultural Resources

CASTLE PEAK DRAW LOCATIONS

1. Report Title . . . . .

BALCRON OIL CO. UNITS 11-6, 24-6, 33-6, AND 42-6

2. Development Company . . . . .

5 26 1 9 9 2

UT-92-54937

3. Report Date . . . . .

4. Antiquities Permit No. \_\_\_\_\_

A E R C B L C R - 9 2 - 2

Uintah

5. Responsible Institution . . . . .

County \_\_\_\_\_

6. Fieldwork . . . . .

0 9 S 1 7 E 0 6

7. Resource Location: TWN . . . . . RNG . . . . . Section. . . . .

Area TWN . . . . . RNG . . . . . Section. . . . .

.S.M. TWN . . . . . RNG . . . . . Section. . . . .

8. Description of Examination Procedures: The archeologist, Richard Beaty, intensively examined these proposed locations and access corridors by walking a series of 10 to 20 meter-wide transects within the well parcels and flanking the flagged centerlines. This series of well locations involved 10 acre survey parcels on all four locations.

9. Linear Miles Surveyed . . . . . 1 . 4 2

and/or  
Definable Acres Surveyed . . . . .  
and/or  
Legally Undefinable . . . . . 5 7 . 2  
Acres Surveyed . . . . .

10. Inventory Type . . . . . I

R = Reconnaissance  
I = Intensive  
S = Statistical Sample

11. Description of Findings: . . . . .

One cultural resource site was identified during the survey. No isolated artifacts were observed, recorded, or collected. This site (42DC 732) consists of an

12. Number Sites Found . . . . . 1

(No sites = 0)

13. Collection: . . . . . Y.

(Y = Yes, N = No)

(continued on page 2)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search Location/ Date: Utah SHPO 5-26-92

Vernal District Office Records 5-20-92

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations: (see page 2).

17. Signature of Administrator & Field Supervisor

Administrator

Field Supervisor

*[Signature]*  
R. Beaty (by *[Signature]*)

11. continued:

open occupation and lithic scatter that is adjacent to the original access route into Unit 11-6. The access route was subsequently moved in order to avoid any disturbance to this significant resource.

16. continued:

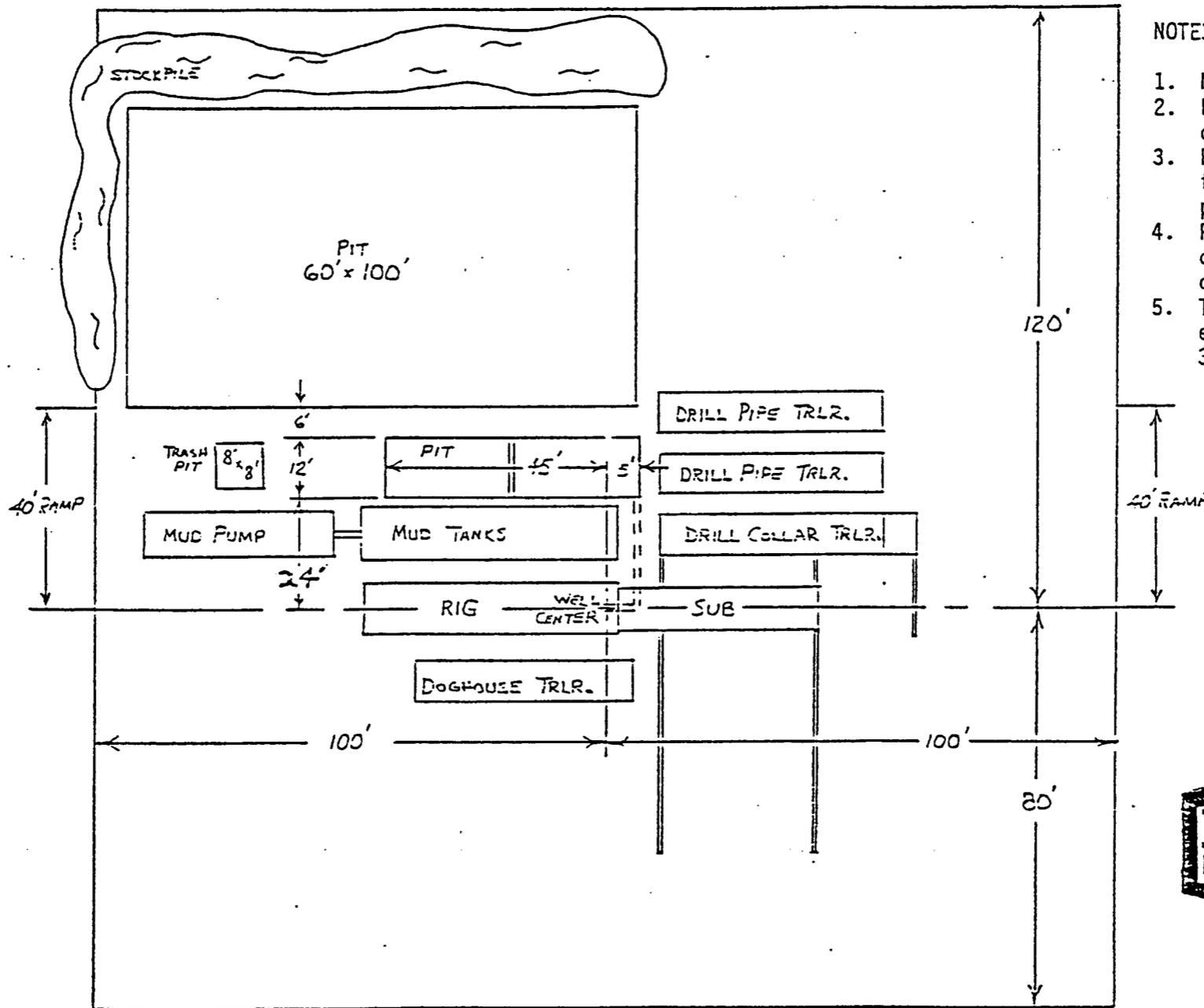
1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

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

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

4. The original access route into Unit 11-6 should be shifted to the south into the corridor shown on map in order to avoid Site 42DC 732.

LOCATION AND RIG LAYOUT FOR RIGS 11, 12, and 14



NOTES:

1. Make pits 6' deep.
2. Pits need to be in the cut.
3. Push up a divider in the middle of the pit shown.
4. Rip a 2' deep x 2' wide ditch as shown by the dotted line.
5. Truck access on each end of location 0° - 30°.



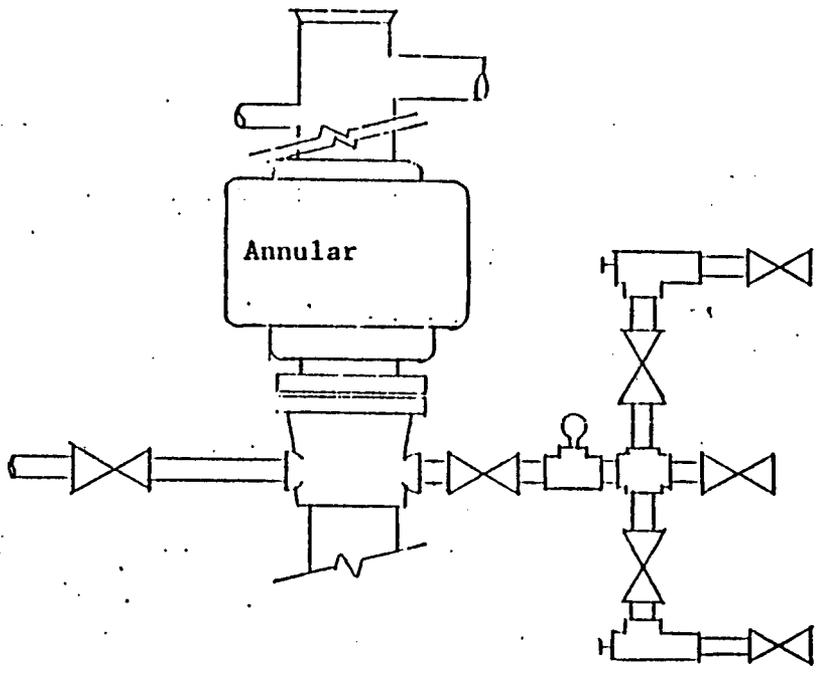
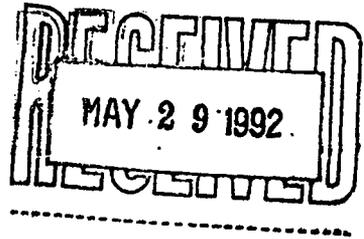
ROTARY DRILLING WITH MUD & AIR SINCE 1966



**Main Office**  
1910 N. Loop Ave.  
P.O. Box 2440  
Casper, Wyoming 82602  
(307) 235-8609

**Billings Office**  
2047 E. Main  
Billings, Montana 59103  
(406) 245-3511

**Havre, Montana Yard**  
4 mi. W. Hwy 2



9" Bore-2000 PSI  
Blowout Preventer Stack

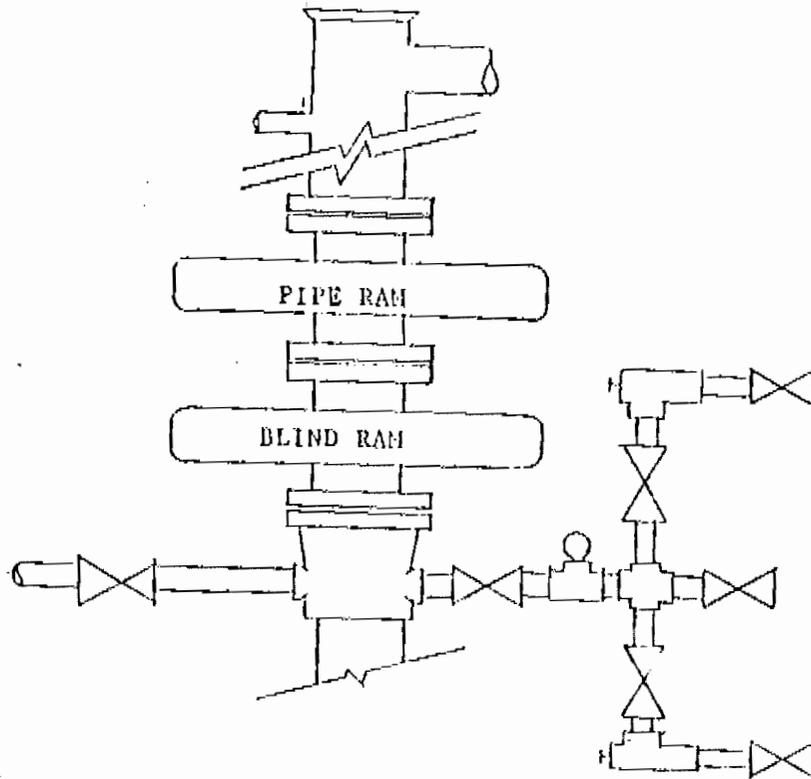
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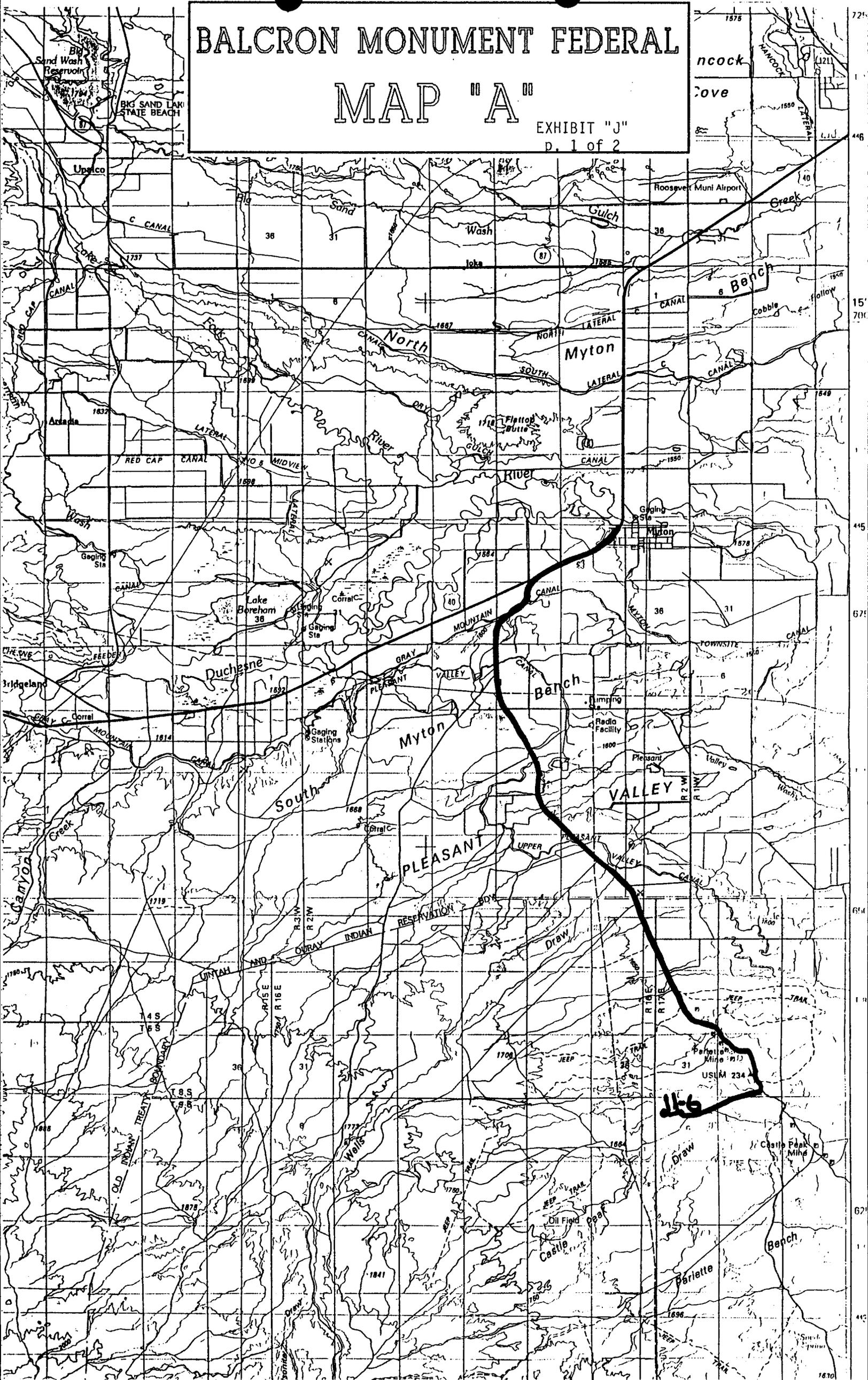


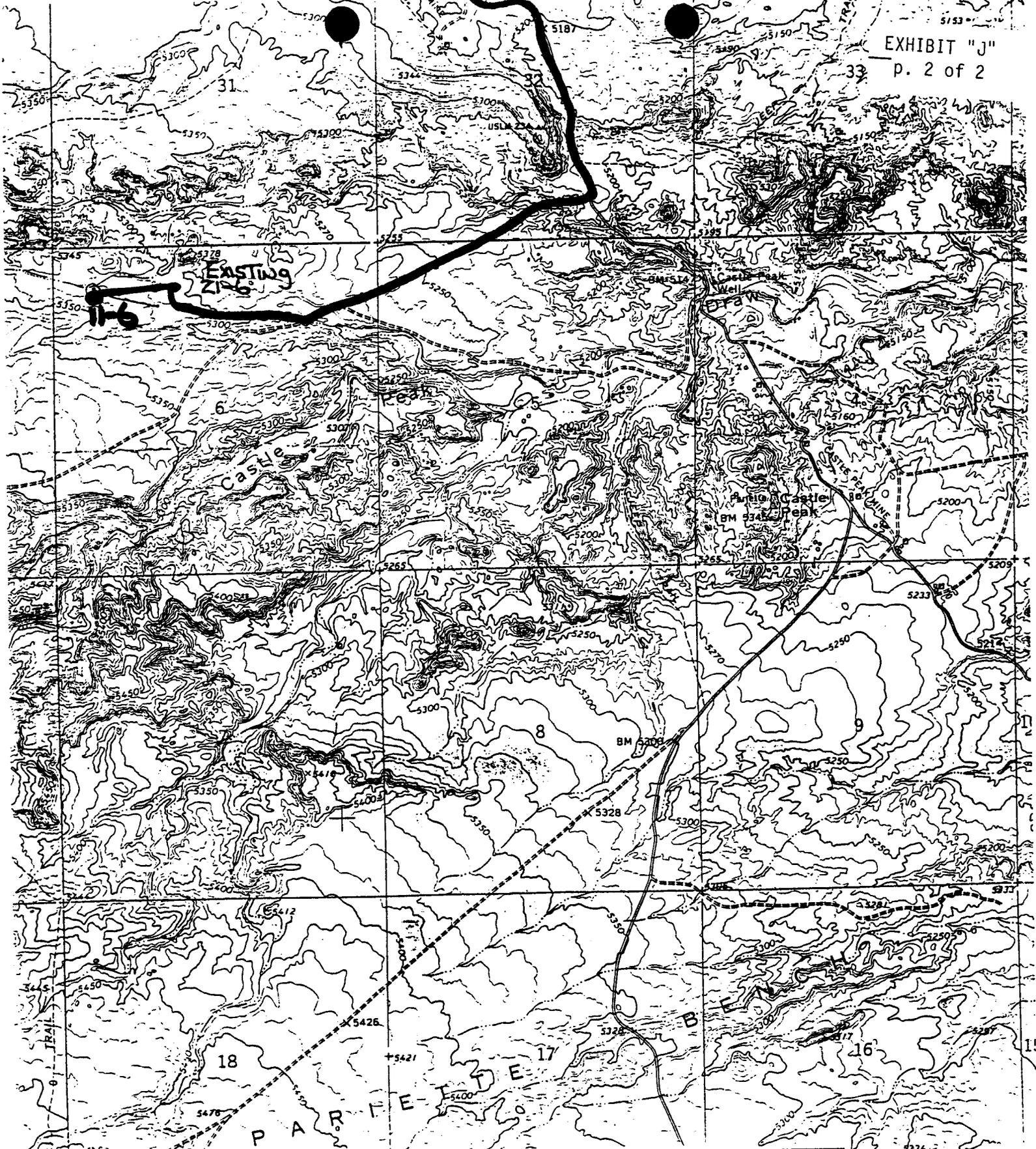
9" Bore - 2000 PSI  
Blowout Preventer Stack

# BALCRON MONUMENT FEDERAL

## MAP "A"

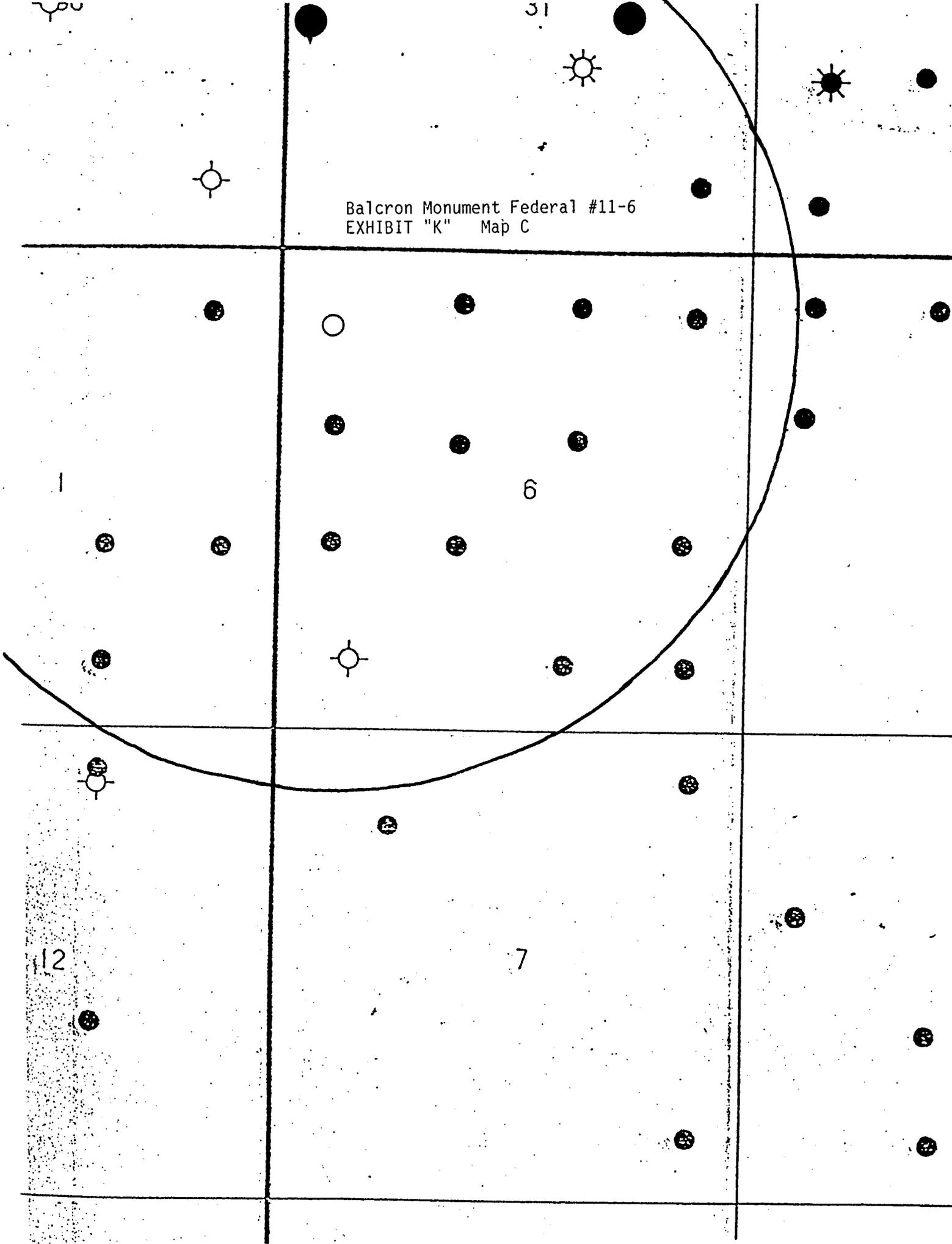
EXHIBIT "J"  
p. 1 of 2



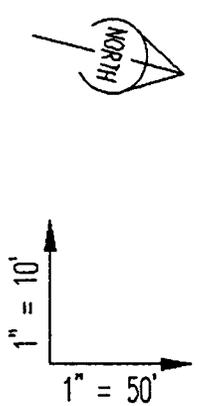
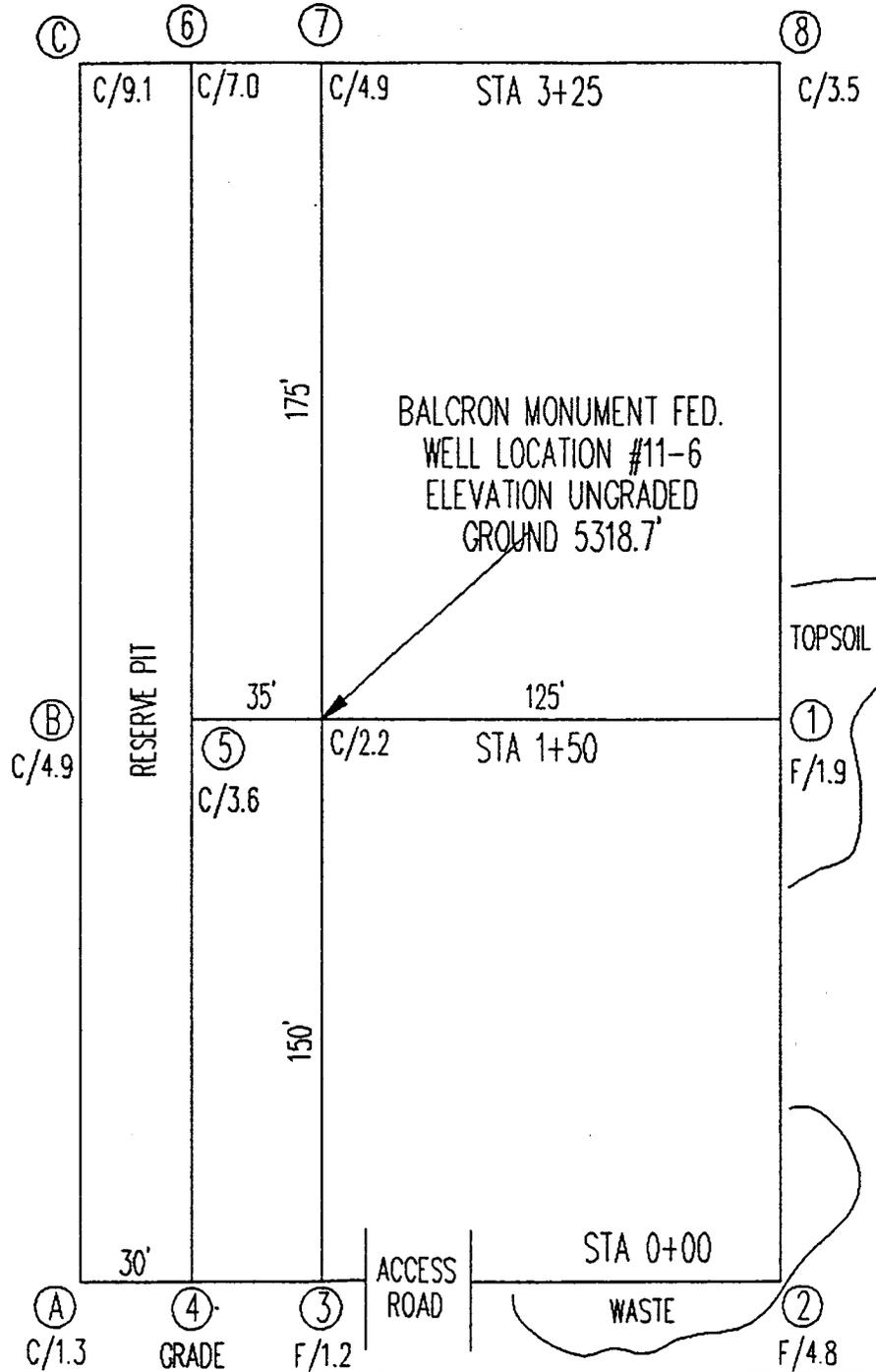


BALCRON MONUMENT FEDERAL  
MAP "B"

Balcron Monument Federal #11-6  
EXHIBIT "K" Map C



EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON MONUMENT FEDERAL #11-6



APPROXIMATE YARDAGE

CUT = 5241.7 AFTER TOPSOIL  
FILL = 1240.7 AFTER TOPSOIL  
PIT = 3659

TOPSOIL  
6" = 1144

REFERENCE POINTS

175' NORTH - 5313.09  
225' NORTH - 5310.79  
225' WEST - 5323.19  
275' WEST - 5326.23

NOTES:  
ELEVATIONS SHOWN ARE AFTER TOPSOIL REMOVAL (6")  
CAN'T BALANCE DIRT (PIT HAS TO BE IN CUT)

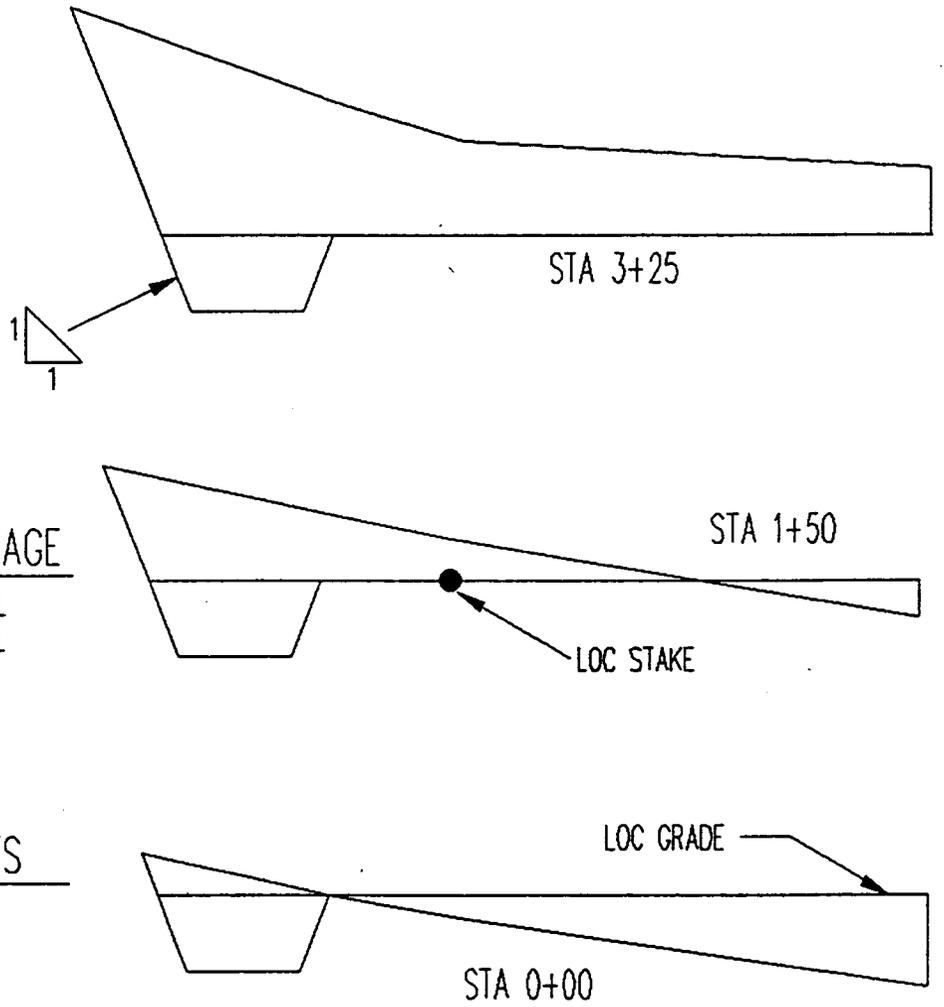


EXHIBIT "L"

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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

5. Lease Designation and Serial No.  
Fed. #U-020252-A

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name  
Balcron Monument Federal

9. Well No.  
11-6

10. Field and Pool, or Wildcat  
Monument Butte/Wasatch 105

11. QQ, Sec., T., R., N., or S11.  
and Survey or Area  
NW NW Sec. 6, T9S, R17E

12. County or Parrish  
Duchesne

13. State  
UTAH

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

b. Type of Well  
Oil Well  Gas Well  Other

Single Zone  Multiple Zone

2. Name of Operator  
BALCRON OIL

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 804' FNL, 696' FWL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
10 miles southeast of Myton, Utah

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

16. No. of acres in lease

17. No. of acres assigned to this well

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

19. Proposed depth  
5,580' *WSTC*

20. Rotary or cable tools  
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
GL 5,318.7'

22. Approx. date work will start\*  
8-1-92

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24#	260'	250 sx "G"
7-7/8"	5-1/2"	15.5#	5,580'	See EXHIBIT "D"

Operator plans to drill this well in accordance with the Federal permit which is attached. Upon Federal approval, a copy of the permit will be sent to the State of Utah, Division of Oil, Gas and Mining.

CONFIDENTIAL

RECEIVED

JUN 19 1992

DIVISION OF  
OIL GAS & MINING

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

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

Signed: Bobbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: June 18, 1992

(This space for Federal or State office use)

API NO. 43-013-31362 Approval Date \_\_\_\_\_

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

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

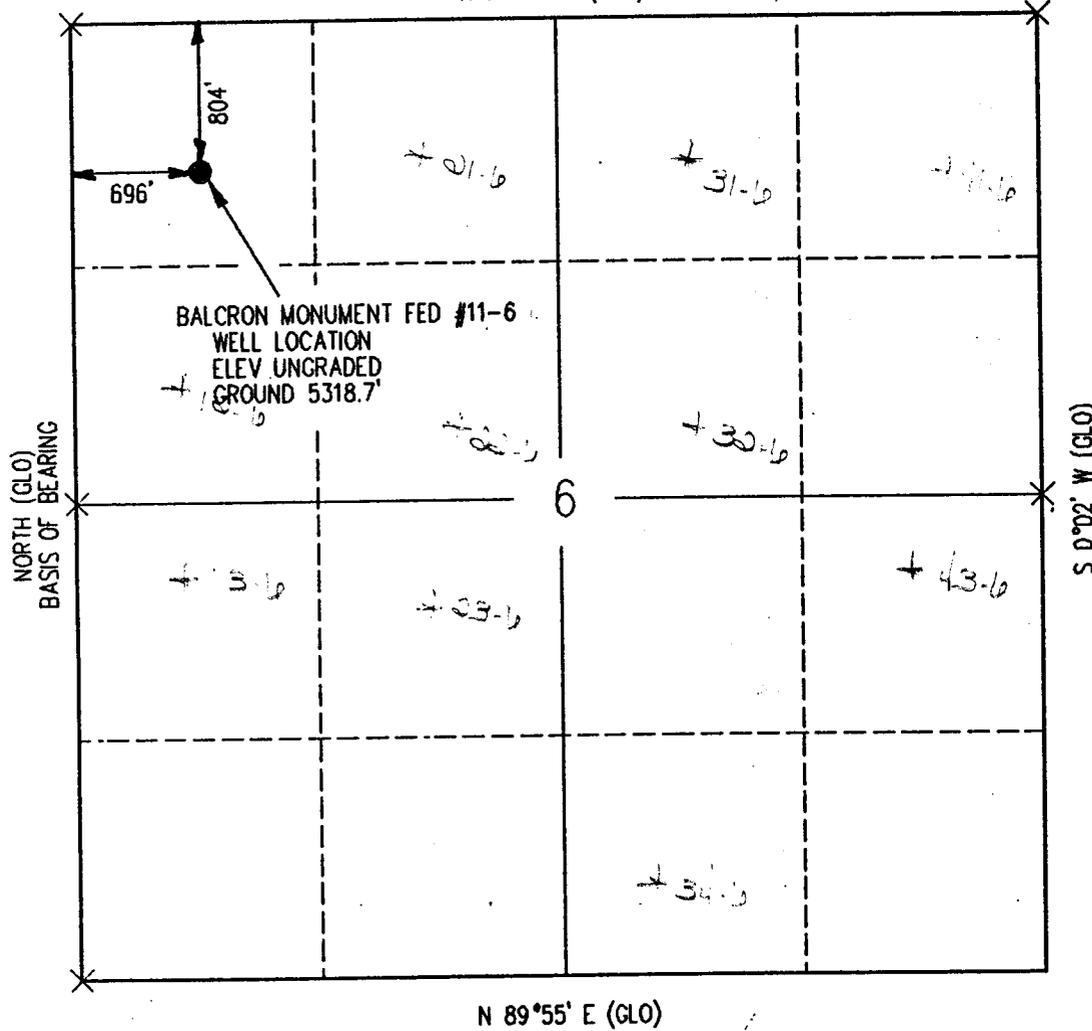
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 6-25-92  
BY: JAN [Signature]  
WELL SPACING: 649-3-2

\*See Instructions On Reverse Side

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

N 89°58' E (GLO)



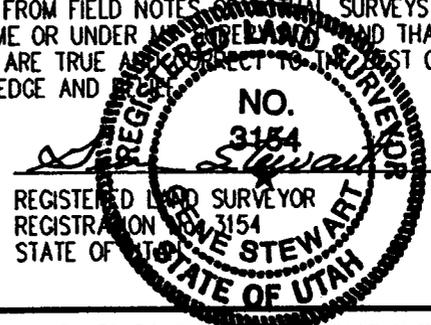
X = SECTION CORNERS LOCATED  
 BASIS OF BEARINGS; G.L.O. PLAT 1911  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SOUTHEAST)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #11-6,  
 LOCATED AS SHOWN IN THE NW 1/4 NW 1/4  
 OF SECTION 6, T9S, R17E, S.L.B. & M,  
 DUCHESNE COUNTY UTAH.



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



REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 3154  
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING 38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 4/13/92	WEATHER: RAINY
NOTES:	FILE # #11-6

EXHIBIT "1"

OPERATOR Balson Oil DATE 6/21/93

WELL NAME Balson Monument Federal II-18

SEC NW 1/4 T 9S R 17E COUNTY Dickinson

43-013-31360  
API NUMBER

Lease (1)  
TYPE OF LEASE

**CONFIDENTIAL**

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Lease additional wells within the U  
Water Permit

APPROVAL LETTER:

PACING:  R615-2-3

N/A  
UNIT

R615-3-2

N/A  
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Water Permit

**CONFIDENTIAL**  
PERIOD  
EXPIRED  
ON 11-89-93



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

June 25, 1992

Balcron Oil  
P.O. Box 21017  
Billings, Montana 59104

Gentlemen:

Re: Balcron Monument Federal 11-6 Well, 804 feet from the north line, 696 feet from the west line, NW 1/4 NW 1/4, Section 6, Township 9 South, Range 17 East, Duchesne County, Utah

Pursuant to Utah Admin. R. 649-3-2 and Utah Admin. R. 649-3-4, approval to drill the referenced well is hereby granted.

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

1. Submittal to the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2  
Balcron Oil  
Balcron Monument Federal 11-6 Well  
June 25, 1992

7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

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

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31362.

Sincerely,



R.J. Firth

Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Bureau of Land Management  
J.L. Thompson  
WO11



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

IN REPLY REFER TO:

Phone (801) 789-1362

FAX (801) 789-8634

### MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. UTU-020252A  
 Company Name: Balcran Oil Date: 1-13-92  
 Well Name: Monument Federal #11-6 Permit No. \_\_\_\_\_  
 Field Name: Monument Buttes County: Duchesne, Utah  
 Well Location: Lot 4 Sec 6 T 95 R 17E  
 Well Type: SWD ER  2H \_\_\_\_\_ Other: \_\_\_\_\_  
 Type of Packer: See Notes Below -> Total Depth: \_\_\_\_\_  
 Packer Set at (depth): \_\_\_\_\_ FT  
 Surface Casing Size: 8 5/8, K-55, 24" From: 259' G.L. FT to Surface FT  
 Casing Size: 5 1/2, J-55, 15.5" From: 5713 G.L. FT to Surface FT  
 Tubing Size: 2 7/8", J-55, 6.5" Tubing Pressure during Test: 0 psig  
 Time of Day: 11:00 am/pm  
 Fluid in Annulus: Champion Chemical, Cortron-2383 mixed 55 gal to 70 bbl 2% KCL water

	Test #1	Test #2	Notes:
11:00 0 Min:	<u>580</u> psig	_____ psig	
5	<u>580</u> psig	_____ psig	Packers
10	<u>580</u> psig	_____ psig	① 5 1/2" Arrow Set - 1
15	<u>580</u> psig	_____ psig	Set @ 5255'
20	<u>580</u> psig	_____ psig	② 5 1/2" Arrow Hydro - 4
25	<u>580</u> psig	_____ psig	Set @ 5043'
30	<u>580</u> psig	_____ psig	③ 5 1/2" Arrow Hydro - 1
35	<u>580</u> psig	_____ psig	Set @ 4718'
40	<u>580</u> psig	_____ psig	
45	<u>580</u> psig	_____ psig	This well was ca.
50	<u>580</u> psig	_____ psig	with 4 bbl diese
55	<u>580</u> psig	_____ psig	fuel to prevent
60	<u>580</u> psig	_____ psig	freeze up.
NOON			* After 3 attempt
			psig test - leak was f
			in tubing & repair

Test Conducted by: Alnifer Hot Oil Service - Pat Wisener  
 Inspected by: Steve Hamburg - Balcran Jerry Barnes - B.L.M.

**BALCRO OIL  
OPERATIONS DEPARTMENT**

**FROM THE DESK OF:  
BOBBIE SCHUMAN**  
Coordinator of Operations,  
Environmental & Regulatory Affairs

June 25, 1992

To: Frank Matthews

As you requested, here is the more complete  
schematic for our Monument Butte wells.  
(1 - , 33-6, 42-6, and 24-6).

Bobbie Schuman

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SUBJECT

DATE

INITIALS

SHEET

OF



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

RECEIVED

AUG 03 1992

DIVISION OF  
OIL GAS & MINING

July 30, 1992

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

Gentlemen:

Enclosed are sundry notices which submit revised survey  
plats and cut and fill diagrams for the following wells:

Balcron Monument Federal #11-6    *43-013-31362*  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #24-6  
SE SW Section 6, T9S, R17E  
Duchesne County, Utah

These locations have been moved as requested by the  
Vernal District of the Bureau of Land Management. They  
are both exceptions to location and we request that these  
exceptions be approved for that reason.

Archeological clearances have been ordered and will be  
sent to you as soon as we have received them.

If you have any questions or need further information,  
please let me know.

Sincerely,

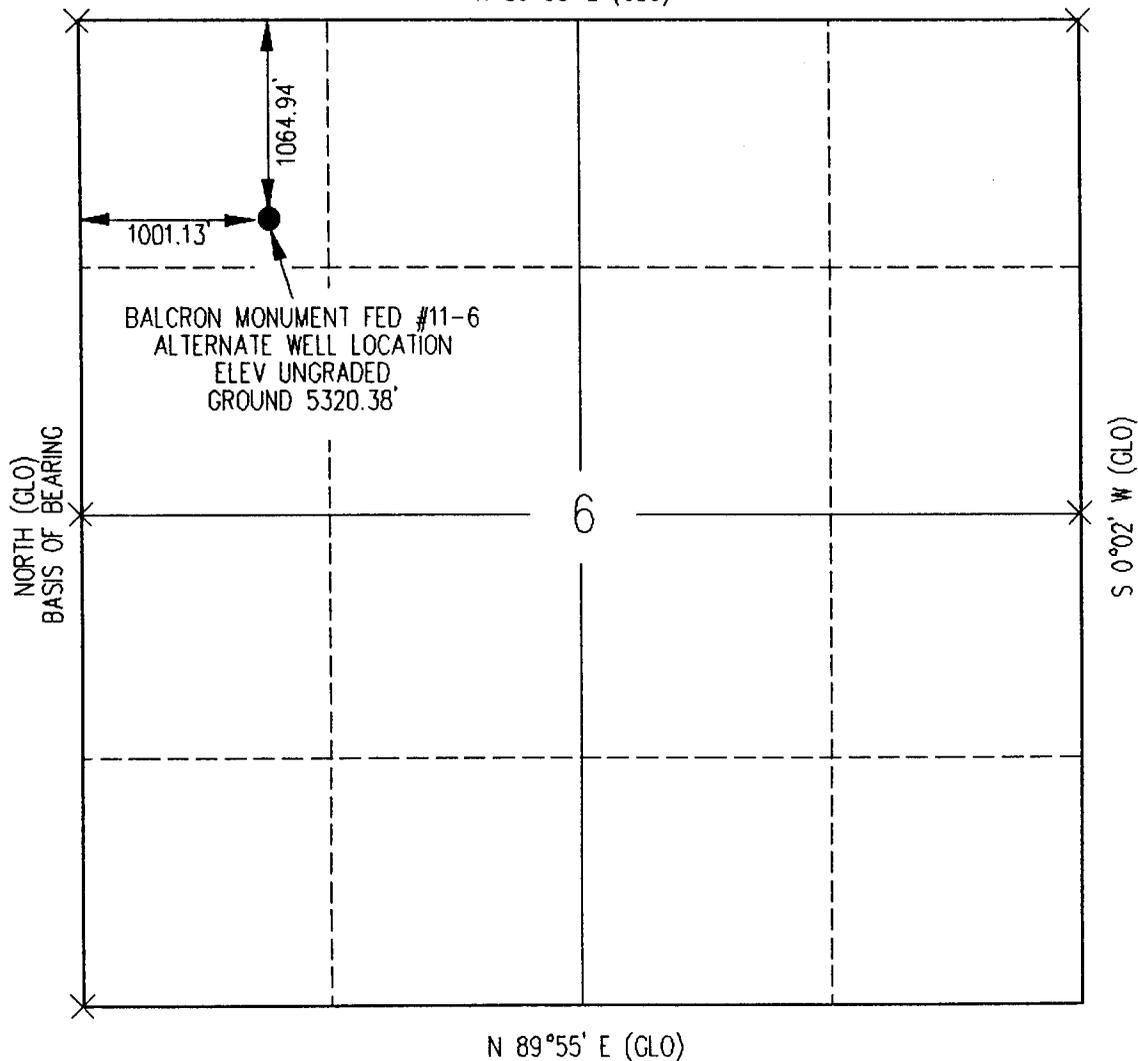
*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs  
Enclosures

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

N 89°58' E (GLO)



NORTH (GLO)  
BASIS OF BEARING

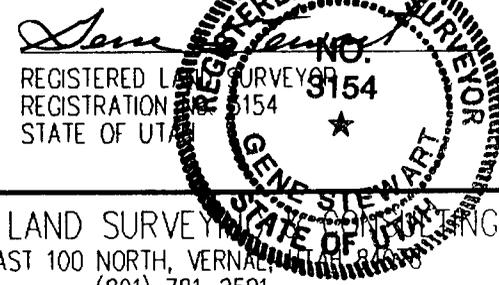
S 0°02' W (GLO)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #11-6,  
LOCATED AS SHOWN IN THE NW 1/4 NW 1/4  
OF SECTION 6, T9S, R17E, S.L.B. & M,  
DUCHESNE COUNTY UTAH.



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



REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3154  
STATE OF UTAH

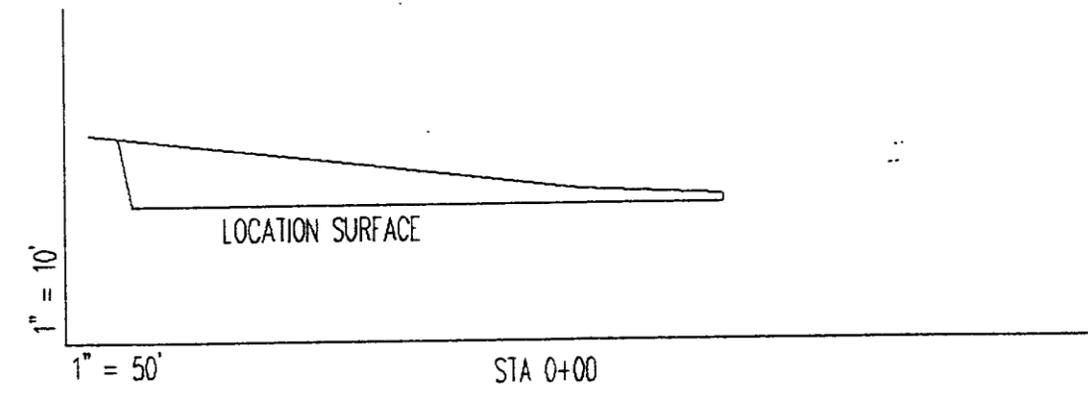
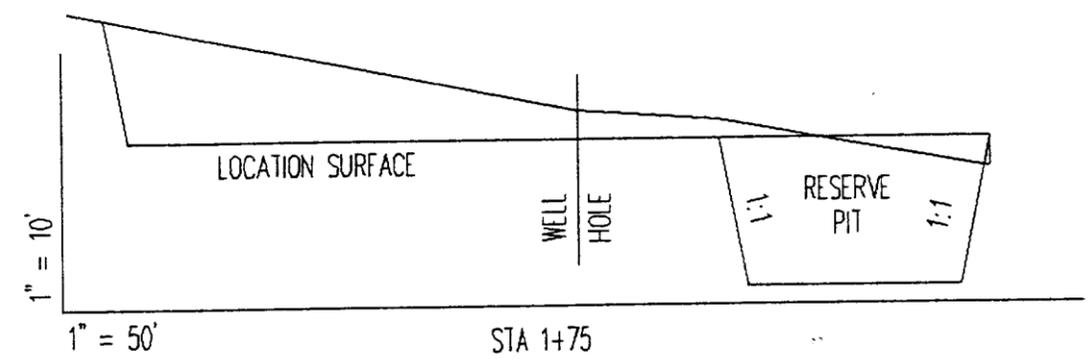
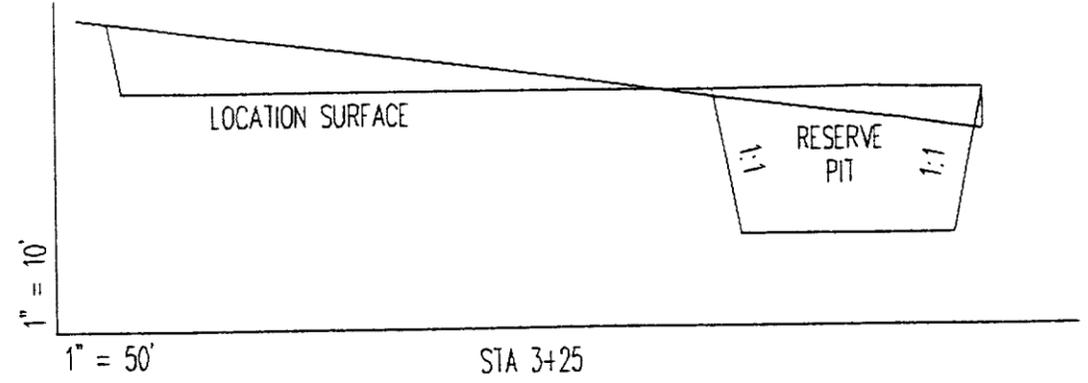
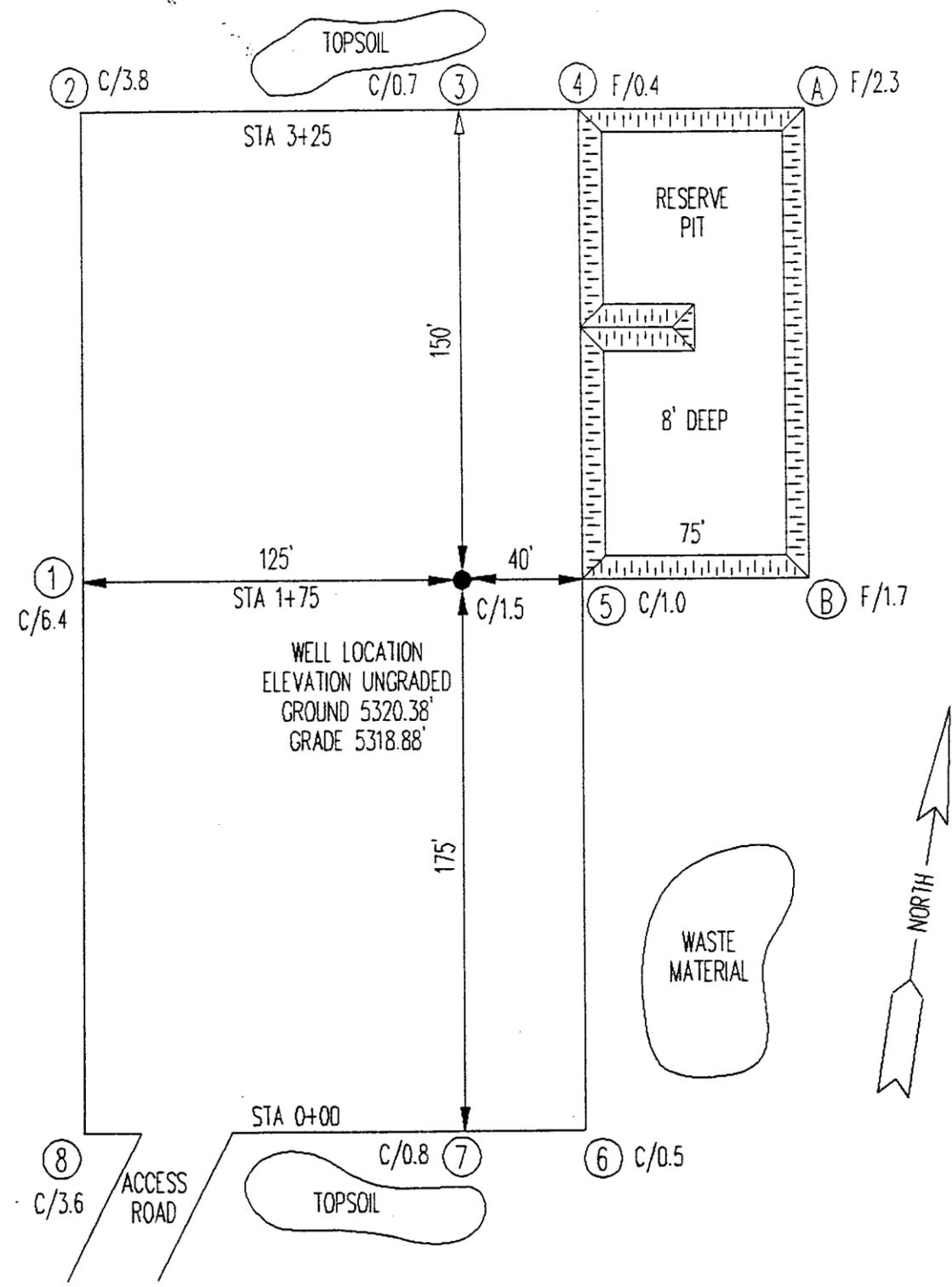
TRI STATE LAND SURVEYING  
38 EAST 100 NORTH, VERNAL, UTAH 84401  
(801) 781-2501

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

SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 7/23/92	WEATHER: HOT & CLEAR
NOTES: ALTERNATE LOCATION	FILE # #11-6

# BALCRON MONUMENT BUTTE

## WELL PLAT 11-6 ALTERNATE LOCATION



### APPROXIMATE YARDAGE

CUT = 5,099.0  
 FILL = 130.0  
 PIT = 2,603.3

T.S.L.S.

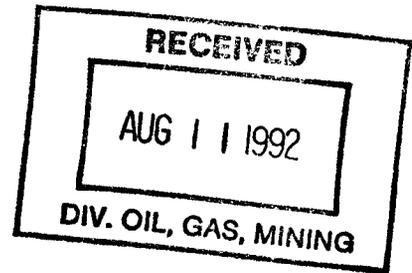
**TRI-STATE LAND SURVEYING**  
 P.O. BOX 533 VERNAL, UT. 84078  
 (801)781-2501



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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



August 10, 1992

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed is the addendum (three copies for each of the wells) to the Cultural Resource Evaluations which were done on the following wells:

Balcron Monument Federal #11-6 *43-013-31362*  
NW NW Section 6, T9S, R17E

Balcron Monument Federal #24-6  
SE SW Section 6, T9S, R17E

Balcron Monument Federal #33-6  
NW SE Section 6, T9S, R17E

This should complete the requirements for the APDs on those wells. We realize that the Balcron Monument Federal #24-6 APD had to be posted for an additional 30 days since the location was moved more than 660'. That posting period began August 3.

If you have any questions or need further information, please let me know.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

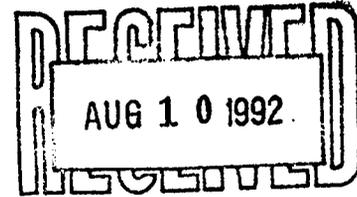
cc: State of Utah; Division of Oil, Gas and Mining



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

August 8, 1992



Subject: *Addendum to* **CULTURAL RESOURCE EVALUATIONS OF  
FOUR PROPOSED WELL LOCATIONS IN THE CASTLE  
PEAK DRAW LOCALITY OF DUCHESNE COUNTY, UTAH**

Project: **BALCRON OIL CO. -- 1992 Development Program for Unit 33-5**

Project No.: **BLCR-92-4**

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

Utah Project No.: **UT-92-AF-228b**

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

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

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

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_

Comments: \_\_\_\_\_

Summary Report of  
Inspection for Cultural Resources

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

1. Report Title . . . . .

BALCRON OIL CO. UNITS 11-6, 24-6, AND 33-6

2. Development Company \_\_\_\_\_

3. Report Date . . . 8 8 1 9 9 2 . . . . . 4. Antiquities Permit No. UT-92-54937

5. Responsible Institution . . . . . A E R C B L C R - 9 2 - 4 Duchesne County \_\_\_\_\_

6. Fieldwork

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

8. Description of Examination Procedures: The archeologist, F.R. Hauck, intensively examined the relocation for these wells and new access corridors (as shown on the attached map) by walking a series of 10 to 20 meter-wide transects flanking the flagged centerline and within the flagged well pad. New well locations for 11-6 and 24-6 are outside the 10 acre parcel evaluated by AERC in May. Minor access route changes were involved with all three locations.

9. Linear Miles Surveyed . . . . . 4  
and/or  
Definable Acres Surveyed . . . . .  
and/or  
Legally Undefinable 8  
Acres Surveyed . . . . .  
10. Inventory Type . . . I  
R = Reconnaissance  
I = Intensive  
S = Statistical Sample

11. Description of Findings: No cultural resource sites were identified during the survey. One isolated artifact was observed in association with the access route into Unit 11-6. This artifact consists of a bifacially prepared chopper which was manufactured from a smooth nodule of Parachute Creek chert.  
12. Number Sites Found .0. . . . . (No sites = 0)  
13. Collection: .Y. (Y = Yes, N = No)

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

---

15. Literature Search, Location/ Date: Utah SHPO 5-26-92  
Vernal District Office Records 5-20-92

---

16. Conclusion/ Recommendations:

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

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

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

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

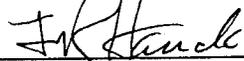
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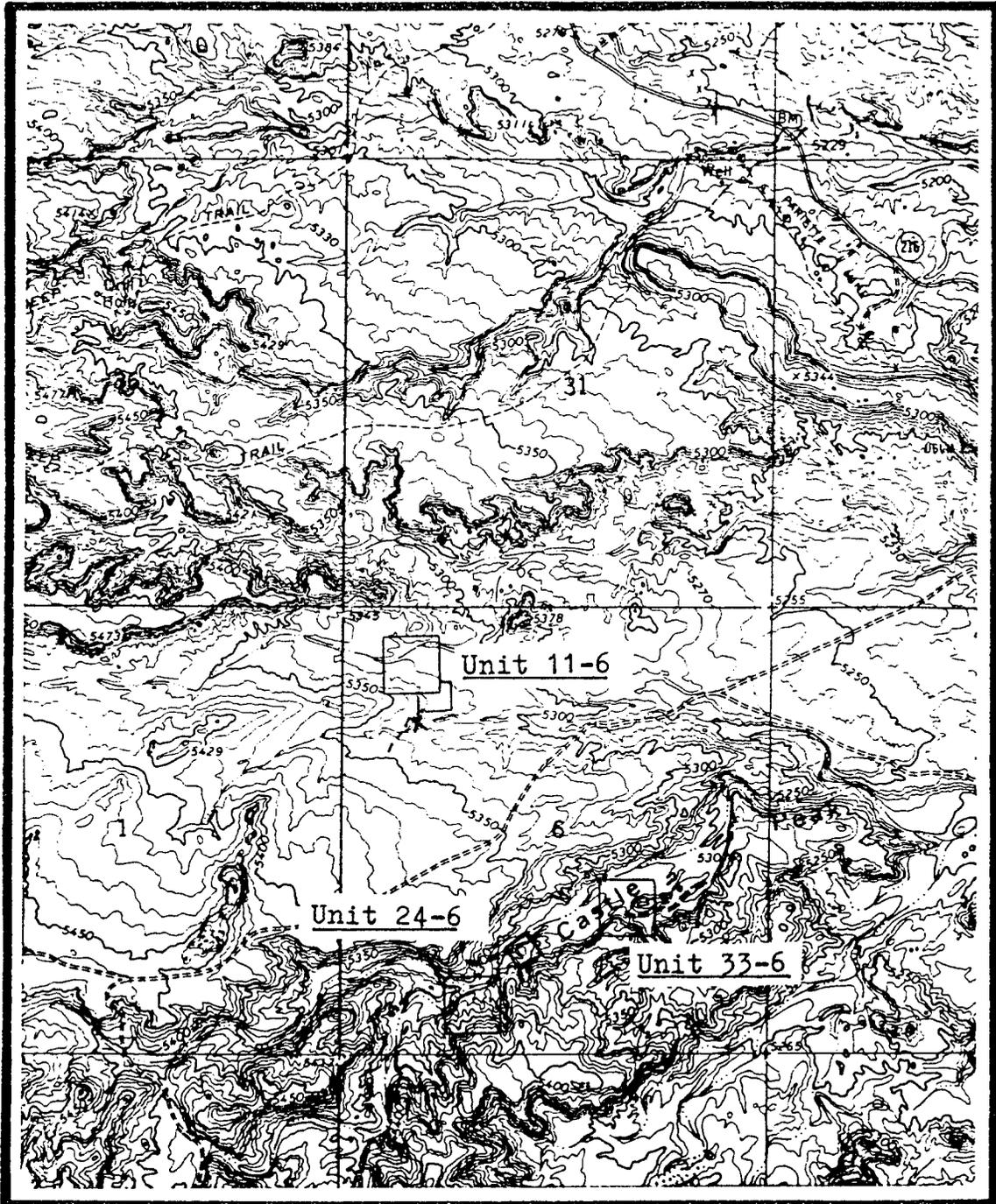
17. Signature of Administrator  
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field  
Supervisor



T. 8 & 9 S.  
 R. 16 & 17 E.  
 Meridian: SL  
 Quad: Myton SE,  
 Utah

**MAP**  
 Cultural Resource Survey  
 of Relocated Well Pads &  
 Access Routes in the  
 Castle Peak Draw Locality

**Legend:**  
 10 Acre Survey Area\*   
 New Pad Area   
 New Access Route   
 Isolated Artifact 



Project: Scale: 1:24000  
 Series: BLCR-92-4  
 Date: Uinta Basin  
 8-8-92



\* see BLCR-92-2 dated May 26, 1992



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

RECEIVED

AUG 26 1992

DIVISION OF  
OIL GAS & MINING

August 24, 1992

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

Gentlemen:

Enclosed are revised pages which have been submitted to the Bureau of Land Management for the following Applications for Permit to Drill the following wells in Duchesne County, Utah:

Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
(p. 1 and 2 of Surface Use Plan and Maps A and B)

Balcron Monument Federal #33-6  
NW SE Section 6, T9S, R17E  
(p. 1 and 2 of Surface Use Plan, Maps A and B, and cut and fill diagram)

Balcron Monument Federal #24-6  
SE SW Section 6, T9S, R17E  
(p. 1 and 2 of Surface Use Plan and Maps A and B)

If you have any questions or need further information, please let me know.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

*Revised + submitted  
to BLM 5/19/92*

EXHIBIT "B"  
Surface Use Program  
Page 1

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #11-6  
NW NW Section 6, ~~T9S~~, R17E  
Duchesne County, Utah

*13-013-31362*

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 10.0 miles. Turn right onto the Monument Butte Gas Plant road. Go 1.7 miles on gas plant road. Turn right and follow lease road 0.5 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 "J" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "J" Maps A and B

- a. Length: Approximately 0.12 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: 3%
- d. Turnouts: None
- e. Drainage design: This will be a barrow ditch in cut areas.
- f. No culverts or bridges will be required. There are no cuts and/or fills on or along the proposed access road route.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.

- i. The road has been moved south of the originally flagged road to avoid a prehistoric cultural resource activity found during the Cultural Resource Survey. The right-of-way is centerline flagged.
- 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.

- l. No right-of-way applications are needed for this road.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "K" Map C.

- a. Water wells: none
- b. Abandoned wells: three
- c. Temporarily abandoned wells: none
- d. Disposal wells: none
- e. Drilling wells: none
- f. Producing wells: fifteen
- g. Shut-in wells: none
- h. Injection wells: none

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

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior





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

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

1a. TYPE OF WORK  
 DRILL                       DEEPEN                       PLUG BACK

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

2. NAME OF OPERATOR  
 EQUITABLE RESOURCES ENERGY COMPANY

**CONFIDENTIAL**

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

1,064.94' FNL, 1001.13' FWL

NW NW Sec. 6, T9S, R17E

At proposed prod. zone

43-013-31362

**REGISTERED**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 10 miles southeast of Myton, Utah

**AUG 3 1 1992**

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

16. NO. OF ACRES IN LEASE  
 DIVISION OF OIL, GAS & MINING

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
 5,580'

20. ROTARY OR CABLE TOOLS  
 Rotary

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

22. APPROX. DATE WORK WILL START\*  
 12345678910

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	260'	250 sx "G"
7-7/8"	5-1/2"	15.5#	5,580'	See EXHIBIT "D"

**EXHIBITS ATTACHED**

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM
- "E" EVIDENCE OF BOND COVERAGE
- "F" ARCHEOLOGY REPORT
- "G" RIG LAYOUT
- "H" BOPE SCHEMATIC
- "I" LOCATION SITE AND ELEVATION PLAT
- "J" EXISTING ROADS/PLANNED ACCESS (MAPS A & B)
- "K" EXISTING WELLS (MAP C)
- "L" DRILL PAD LAYOUT

This cover sheet is submitted to replace the one submitted June 18, 1992.

**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. SIGNER *Sobbie Schuman* TITLE Coordinator of Environmental and Regulatory Affairs DATE August 3, 1992  
 Bobbie Schuman

(This space for Federal or State office use)

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

APPROVED BY *[Signature]* TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE AUG 26 1992

CONDITIONS OF APPROVAL, IF ANY: **NOTICE OF APPROVAL**

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal 11-6

Lease Number: U-020252-A

Location: Lot 4 (NWNW) Sec. 6 T. 9S R. 17E

Surface Ownership: Federal Lands administered by BLM

**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., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

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

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

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

3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at  $\pm 2,990$  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) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500

feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

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

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

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

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

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

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

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

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

Gerald E. Kenczka      (801) 781-1190  
Petroleum Engineer

Ed Forsman              (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 789-3634

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

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, 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.

B. SURFACE USE PROGRAM

1. Well Site Layout

If storage facilities/tank batteries are constructed on this lease, the facility/battery shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery.

The reserve pit will be located on the northeast side of the location. Its dimensions will be 150' x 75' x 8' deep, according to the new cut and fill sheet received August 4, 1992.

The stockpiled topsoil will be stored near Point 3 on the north side of the location to screen some activity from nesting hawks.

Access to the well pad will be from the south near Corner No. 8.

2. Plans for Restoration of Surface

Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The following seed mixture will be used:

Pure Live Seed (PLS)  
lbs./acre

Seed Mix

1	Forage Kochia ( <i>Kochia prostrata</i> )
5	Ephriam Crested Wheatgrass ( <i>Agropyron cristatum</i> Ephriam)
4	Russian Wildrye ( <i>Elymus junceus</i> )
2	Fourwing Saltbush ( <i>Atriplex canescens</i> )

3. Additional Surface Stipulations

**For Ferruginous hawk protection, no surface disturbing or drilling activities will be allowed between March 1 and July 15.**

A silt catchment dam and basin, of approximately one-half acre foot capacity, will be constructed according to BLM specifications approximately 100 yards southeast of the location, where flagged. A copy of BLM specifications, "Minimum Standards for Dams Impounding under 10 Acre Feet" is attached hereto.

4. Additional Information

- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations.

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

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

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

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

MINIMUM STANDARDS FOR DAMS IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

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

II. Borrow Areas

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

III. Core Trench and Dam Foundation

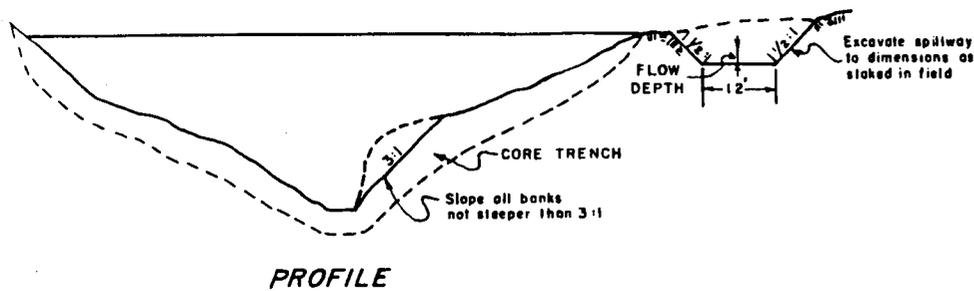
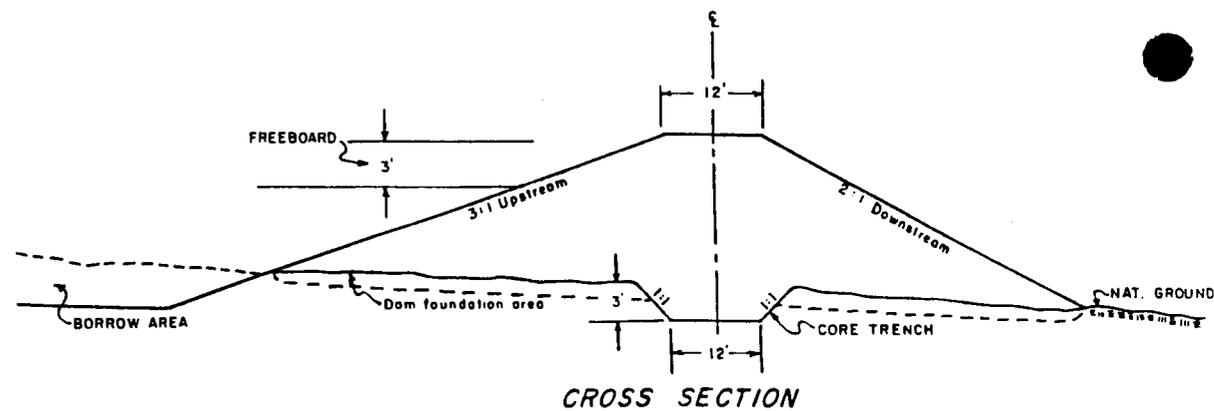
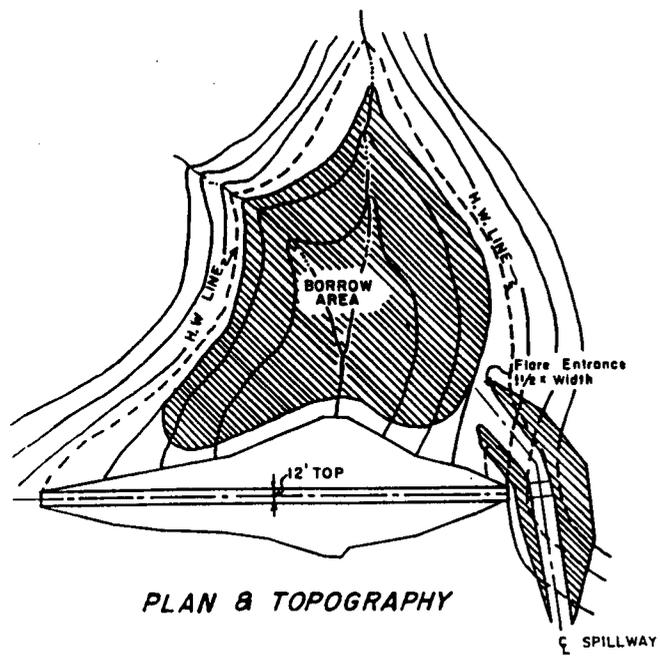
- A. A core trench shall be constructed 12 feet wide along the full length of the dam center line to a minimum depth of 3 feet or bedrock.
- B. Sides of the core trench shall be no steeper than 1:1 slope.

IV. Dam and Core Fill

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

V. Spillway

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



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ CHIEF, DIV. OF I
CHECKED _____	APPROVED _____

DAILY OPERATING REPORTBALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E

Duchesne County, Utah

660' FNL, 660' FWL

PTD: 6,200' Formation: Wasatch

Green River Prospect

Elevations: 5320.38' GL

Contractor: Molen Drilling Rig #1

Operator: Balcron Oil

Spud:

Casing:

- 9-24-92 Present Operation: Building location  
Should be moving in Molen Drilling Rig #1 tomorrow.
- 9-25-92 Present Operation: MIRT  
Finished building location. Moving in Molen Drilling Rig  
#1.

DAILY OPERATING REPORTBALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E

Duchesne County, Utah

660' FNL, 660' FWL

PTD: 6,200' Formation: Wasatch

Green River Prospect

Elevations: 5320.38' GL

Contractor: Molen Drilling Rig #1

Operator: Balcron Oil

Spud: 9-28-92 @ 3 a.m.

Casing:

- 9-24-92 Present Operation: Building location  
Should be moving in Molen Drilling Rig #1 tomorrow.
- 9-25-92 Present Operation: MIRT  
Finished building location. Moving in Molen Drilling Rig #1.
- 9-25-92 Present Operation: Install pit liner.  
Location & road built. Will install lines this a.m. & rig should be on location today. Had to wtr location & road.  
DC: \$13,300 CC: \$13,300
- 9-26-92 Present Operation: Start to rig up.  
Install pit liner after pulling straw down over rocks. Start hauling water, fence 3 sides of reserve pit. Get most of rig on location and unloaded.  
DC: \$5,300 CC: \$18,600
- 9-27-92 Present Operation: Rig up.  
Moving rig in & start to rig up. Get derrick on floor & change out drill line.  
DC: \$2,675 CC: \$21,275
- 9-28-92 TD: 40' (40') Day 1  
Formation: Hard Rock  
MW f/w & native mud.  
Present Operation: Repairs.  
Finish RU & drill 8-3/4" pilot hole to 40', took 3-1/2 hrs. Drill rat hole for 6 hrs, mix mud & trying to get pipe in rat hole. Put on 12-1/4" bit & ream to 40'. Start to drill & had to repair oil line on draw-works. Well spud @ 3 a.m. on 9-28-92.  
DC: \$1,590 CC: \$22,865

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BALCRON OIL API NO. 43-013-31362

WELL NAME: BALCRON MONUMENT FEDERAL 11-6

Section NWNW 6 Township 9S Range 17E County DUCHESNE

Drilling Contractor MOLEN

Rig # 1

SPUDDED: Date 9-28-92

Time 3:00 a.m.

How DRY HOLE

*Handwritten signature*

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

Reported by BOBBIE SCHUMAN

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

Date 9-28-92 SIGNED TAS

DAILY OPERATING REPORTBALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

9-29-92 TD: 270' (230') Day 2  
Formation: Shale  
MW f/w  
Present Operation: Prepare to run csg.  
Repair draw-works oil pump. Drill 12-1/4" hole, very hard. Had to make trip, bit locked up. Bolt shook out of btm of rotary table & got down hole. Got out of hard rock into shale at about 200'. Drill to 270', circ, make wiper trip & circ. TOH to run 8-5/8" pipe.  
DC: \$3,660 CC: \$26,525

9-30-92 TD: 270' (0') DAY 3  
Formation: Shale  
Present Operation; Repair BOP.  
RU & run 6 jts 8-5/8", 24# csg. Cmt & get good circ throughout job. Approximately 12 bbls cmt return. Did not fall back. WOC. Weld on head, did not hold pressure. Bushing from rebuilding leaked. Weld bushing & test OK. NU, test manifold - OK. BOP pipe & blind ram will not test. Start to replace rams. Five 8-5/8", 24#, J-55 csg, one insert float landed @ 268'.  
DC: \$7,030 CC: \$33,555

10-1-92 TD: 625' (355') Day 4  
Formation: Shale & Sand  
MW f/w  
Present Operation: Drilling  
Replace blind & pipe ram. Csg would not hold 1500#. Run packer in hole to 220' & test OK to 1500#. Manifold all valves & BOP tested to 2000#. Csg tested to 1500#. BLM man, Ray Arnold. Drill mouse hole, GIH, drill cmt & shoe, drill ahead.  
DC: \$8,500 CC: \$42,055

Post-It™ brand fax transmittal memo 7671		# of pages ▶	
To	State of Utah	From	Molly Conrad
Co.	Div Oil & Gas	Co.	Balcron Oil
Dept.		Phone	406-259-7860
Fax #	801-359-3940	Fax #	406-245-1361

**DAILY OPERATING REPORT**

**BALCRON MONUMENT #11-6**

**Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah**

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

- 9-29-92 TD: 270' (230') Day 2  
 Formation: Shale  
 MW f/w  
 Present Operation: Prepare to run csg.  
 Repair draw-works oil pump. Drill 12-1/4" hole, very hard. Had to make trip, bit locked up. Bolt shook out of btm of rotary table & got down hole. Got out of hard rock into shale at about 200'. Drill to 270', circ, make wiper trip & circ. TOH to run 8-5/8" pipe.  
 DC: \$3,660 CC: \$26,525
- 9-30-92 TD: 270' (0') DAY 3  
 Formation: Shale  
 Present Operation; Repair BOP.  
 RU & run 6 jts 8-5/8", 24# csg. Cmt & get good circ throughout job. Approximately 12 bbls cmt return. Did not fall back. WOC. Weld on head, did not hold pressure. Bushing from rebuilding leaked. Weld bushing & test OK. NU, test manifold - OK. BOP pipe & blind ram will not test. Start to replace rams. Five 8-5/8", 24#, J-55 csg, one insert float landed @ 268'.  
 DC: \$7,030 CC: \$33,555
- 10-1-92 TD: 625' (355') Day 4  
 Formation: Shale & Sand  
 MW f/w  
 Present Operation: Drilling  
 Replace blind & pipe ram. Csg would not hold 1500#. Run packer in hole to 220' & test OK to 1500#. Manifold all valves & BOP tested to 2000#. Csg tested to 1500#. BLM man, Ray Arnold. Drill mouse hole, GIH, drill cmt & shoe, drill ahead.  
 DC: \$8,500 CC: \$42,055
- 10-2-92 TD: 1,618' (993') Day 5  
 Formation: Green River  
 MW f/w  
 Present Operation: Drilling  
 Drill, survey, & clean on rig.  
 Sample top: Tgr - 1555' (+3778') 34' high to #12-6  
 DC: \$12,416 CC: \$54,471

Post-It™ brand fax transmittal memo 7671		# of pages ▶	
To	State of Utah	From	Nolly Conrad
Co.	Div Oil & Gas	Co.	Balcron Oil
Dept.		Phone	406-259-7860
Fax #	801-359-3940	Fax #	406-245-1361

DAILY OPERATING REPORTBALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 10-3-92 TD: 2,536' (918') Day 6  
Formation: Horseshoe Bench  
MW 8.4 VIS 27 pH 11  
Present Operation: Drilling  
Drill & survey. Had to take top sectio of stand pipe down & replace 1/2 union. Drill, survey & clean on rig.  
Background Gas = 100 units.  
DC: \$14,541 CC: \$69,012
- 10-4-92 TD: 3,339' (803') Day 7  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, survey, weld, & clean on rig.  
Background Gas = 48 units.  
DC: \$11,422 CC: \$80,434
- 10-5-92 TD; 4,015' (676') Day 8  
Formation: Green River  
MW 8.6 VIS 27 pH 11  
Present Operation: Drilling  
Drill, LD 11 jts drill pipe. Trip for bit. SLM. PU 12 jts wt pipe, TIH & wash to btm and drill ahead. Trip Gas = 450 units. Background Gas = 30-40 units.  
DC: \$10,532 CC: \$90,966

OPERATOR BALCRON OIL

OPERATOR ACCT. NO. N 9890

ADDRESS P.O. Box 21017

Billings, MT 59104

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	11422	43-013-31362	Balcron Monument Federal #11-6	NW NW	6	9S	17E	Duchesne	9/28/92	9/28/92
WELL 1 COMMENTS: Entity added 10-7-92. <i>fw</i> Spud well on 9/28/92.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

NOTE: Use COMMENT section to explain why each Action Code was selected.  
 (3/89)

**RECEIVED**

OCT 05 1992

DIVISION OF  
OIL GAS & MINING

*Sobbie Schuman*  
 Signature  
 Coordinator of Environmental  
 and Regulatory Affairs  
 Title  
 Date 9-29-92  
 Phone No. (406) 259-7860



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

September 29, 1992

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

Gentlemen:

RE: Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah

Enclosed is a copy of the Federal sundry notice reporting  
spud of the referenced well along with the Entity Action  
Form.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

RECEIVED

OCT 05 1992

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

**CONFIDENTIAL**

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104

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

NW NW Section 6, T9S, R17E

804' FNL, 696' FWL

8. Well Name and No.

Balcron Monument Federal #11-6

9. API Well No.

43-013-31362

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

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

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

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

This well was spud at 3 a.m. 9/28/92.

**RECEIVED**

OCT 05 1992

DIVISION OF  
OIL GAS & MINING

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

Signed Bobbe Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date 9-29-92

(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.



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

October 12, 1992

**RECEIVED**

OCT 14 1992

**DIVISION OF  
OIL GAS & MINING**

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

Gentlemen:

RE: Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah

Enclosed is a copy of our Federal sundry notice reporting spud, running casing, and change of rig for completion operations on the referenced well. Also enclosed is our Entity Action Form reporting spud of the well. My records indicate that I apparently neglected to send this in immediately following spud.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
U-020252-A

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

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

8. Well Name and No.  
Balcron Monument Federal #11-6

9. API Well No.  
43-013-31362

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

11. County or Parish, State  
Duchesne County, UTAH

SUBMIT IN TRIPLICATE

**CONFIDENTIAL**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NW NW Section 6, T9S, R17E  
804' FNL, 696' FWL

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

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

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

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

This well was spud on 9/28/92. Ran 8-5/8" casing. Landed at 268'.  
Drilling operations on this well have been completed. Molen Rig #1 was released at 11 p.m. 10/10/92. Completion operations will be by Cannon Well Service.

**RECEIVED**  
OCT 14 1992  
DIVISION OF  
OIL GAS & MINING

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

Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 10-12-92

(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.

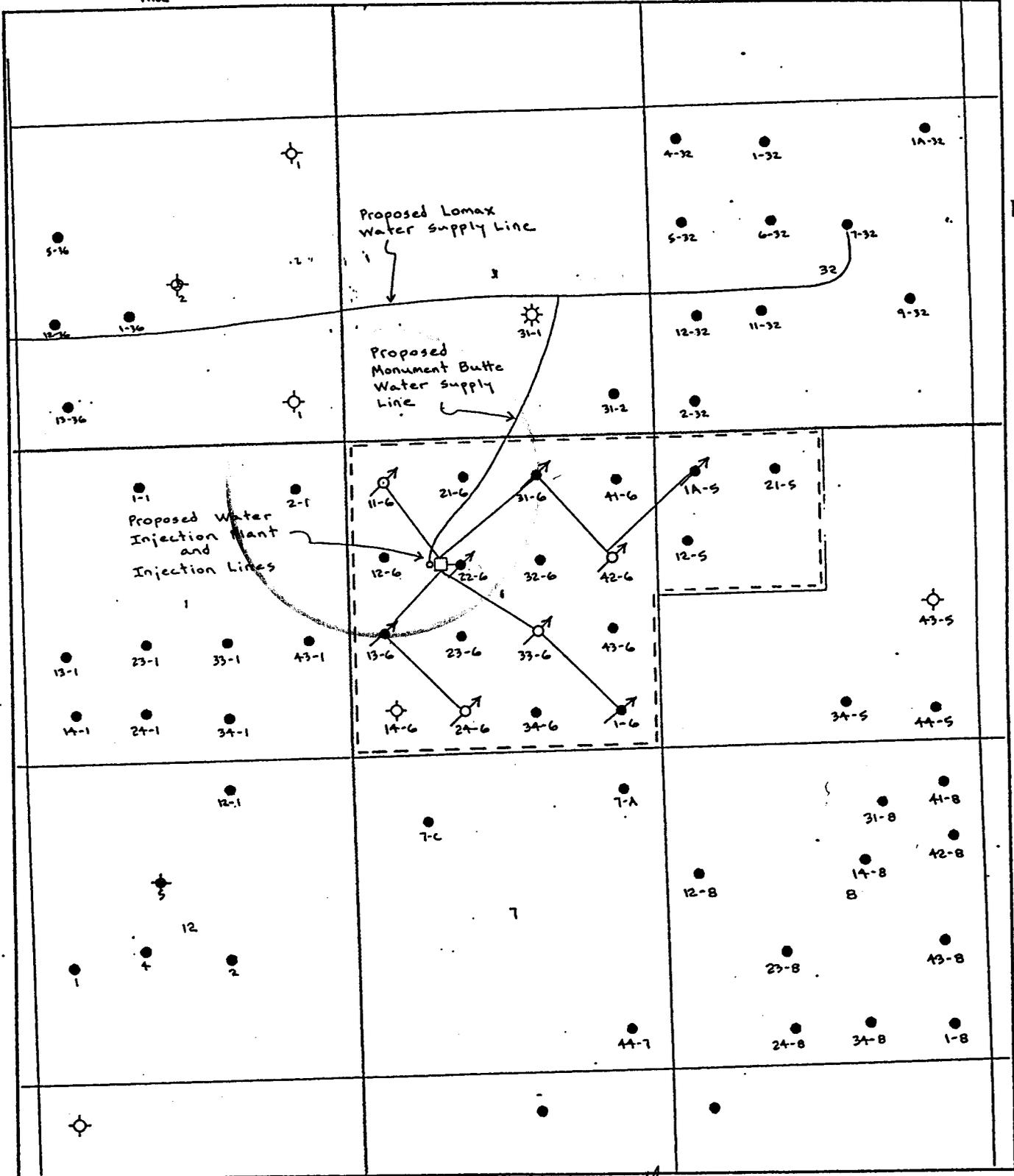


R1E

R7E

T8S

T9S



○ Location, Union	⊙ Oil Star	⊗ Gas Star	⊘ Gas Storage
⊙ B&A, B&A, P&A, Prod	⊙ Prod Oil	⊙ Prod Gas	⊙ Prod Oil & Gas
⊙ Separator	⊙ Prod Oil	⊙ Prod Gas	⊙ Prod Oil & Gas
⊙ Oil	⊙ Prod Oil	⊙ Prod Gas	⊙ Prod Oil & Gas
⊙ Gas	⊙ Prod Oil	⊙ Prod Gas	⊙ Prod Oil & Gas
⊙ Oil & Gas	⊙ Prod Oil	⊙ Prod Gas	⊙ Prod Oil & Gas

⊙ Balcron Proposed Waterflood Area  
 ⊙ Injection

11-6 Injection Well  
 3 Producers  
 2-1  
 21-6  
 12-6  
 4 Injectors  
 11-6  
 13-6  
 31-6  
 22-6

1 PA  
 #1

**BALCRON OIL**  
**Monument Butte Field**  
 Duchesne County, UT  
 June 1992  
 Area-A Waterflood  
 NW Sec. 5 & Sec. 6, T9S, R7E  
 Figure \* 2



DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

10-26-92 Completion

Pressure - 175#. Bled right off. TIH w/packer retrieving head & tbg, tag sand @ 4330'. Put on Hydraulic stripping head from oil field rental & seal was out of it. Wait for another to be delivered. Circ sand to packer & have hard time getting tool to latch. Relatch onto packer & TOH. Put on Arrow HD packer & TIH to 4665' & set packer. Get ready to swab. SDFN.  
DC: \$2,210 CC: \$249,216

10-27-92 Completion

TP - 10#, FL - 300'. Swab steady to 12:00 noon & FL @ 2650'. Recovered 107 bbls fluid. Start to cut 40% oil. 2 p.m. FL 3900' - 7-1/2 bbls. 3 p.m. FL 4650' - 5 bbls. 4 p.m. FL 4650 - 6 bbls (oil cut 60%, fairly gassy). 5 p.m. FL 4650 - 6 bbls (oil cut 65%, fairly gassy). SWI & SDFN. Total swabbed 131 bbls. Frac fluid to recover 709 bbls.  
DC: \$1,556 CC: \$250,077

10-28-92 Completion

TP - 175#, FL - 1700'. Swab 40 bbls 90-95% oil. Release packer, & TOH. LD packer & TIH w/notched collar on end of tub. Tag sand @ 5385'. TOH & RU Schlumberger & run Gamma Tracer Log. Sand went in all perms & stayed in zone. Rig loggers down & SWI. SDFN. Total swabbed 2 day 171 bbls. Heated & moved 130 bbls oil to 12-6 battery.  
DC: \$3,161 CC: \$253,933

DAILY OPERATING REPORTBALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 10-21-92 Completion  
RU Schlumberger & run bond log & collar log. Top of cmt @ 800'. Make 3 runs to perforate on shot each. 5208, 5215, 5288, 5293, 5298, 5303, 5313, 5316, 5321, 5327, 5332, 5336. Run arrow H O packer & 163 jts tbg. Set packer @ 5050'+/-. Break down w/Dowell. Break down @ 3200# & get reate of 6 bbls/min @ 2750#. Drop 35 balls & see 5 or 6 balls & ball off. Surged a few times & pump 8 more bbls & ball off again. Surge balls off get rate of 6.3 bbls/min @ 2600#. ISIP - 1050#; 5 min - 1000#. Total load to recover 83 bbls. 2% KCL wtr. Flowed back 23 bbls & start swabbing. Make 6 pulls & recover 24-1/2 bbls. Last pull 100' wtr w/about 2% oil & a little gas. SWI & SDFN. Total recovered 47-1/2 bbls.  
DC: \$24,485 CC: \$223,974
- 10-22-92 Completion  
TP - 12#, fluid level - 4500'. 450' fluid approximately 80% oil. Pull swab, 1 run per hr until 3:30 p.m. & recover 2-1/2 bbls. Total for day. SWI. SDFN.  
DC: \$1,240 CC: \$225,214
- 10-23-92 Completion  
TP - 25#, FL - 100'. Got out with about 15 gals of oily wtr. LD swab. Pump 20 bbls KCL wtr down tbg & release packer. TOH w/tbg & packer. Tighten BOP flange. SWI. SDFN.  
DC: \$645 CC: \$225,790
- 10-24-92 Completion  
RU Western & frac perf 5208'-5336' down csg. Average pressure 3100#, average rate 300 bbls/min. ISIP - 1850#, 5 min - 1800#, 10 min - 1780#, 15 min - 1710#. RU Schlumberger & run & set wireline, set apcker. Perf @ 4781', 83, 85, 87, 90 - 5 holes. Could not break down @ 5000#. Run tbg in hole & spot 750 gals 15% acid. Pull tbg out. Break down @ 1500#. Average pressure 2700#, average rate 15 bbls/min. Screen out w/6 bbls flush left. ISIP - 4980#, 5 min - 1540#, 10 min - 1280#, 15 mins - 1140#. SWI. SDFN.  
DC: \$21,021 CC: \$246,811
- 10-25-92 Completion  
Well shut-in after frac. 11:30 a.m. pressure - 375#; 5:30 a.m. pressure ~ 300#.  
DC: \$195 CC: \$247,006



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

October 28, 1992

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

RE: Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah

Enclosed is our sundry notice and plat detailing our proposed production facilities at the referenced wellsite.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosure

cc: State of Utah, Division of Oil, Gas and Mining

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
U-020252-A

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

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

CONFIDENTIAL

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104

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

NW NW Section 6, T9S, R17E  
804' FNL, 696' FWL

8. Well Name and No.

Balcron Monument Federal #11-6

9. API Well No.

43-013-31362

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

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

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

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

Attached is a plat showing the proposed production facilities for this well.

RECEIVED

OCT 30 1992

DIVISION OF  
OIL GAS & MINING

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

Signed

*Dorrie Schuman*  
Dorrie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date

10/28/92

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

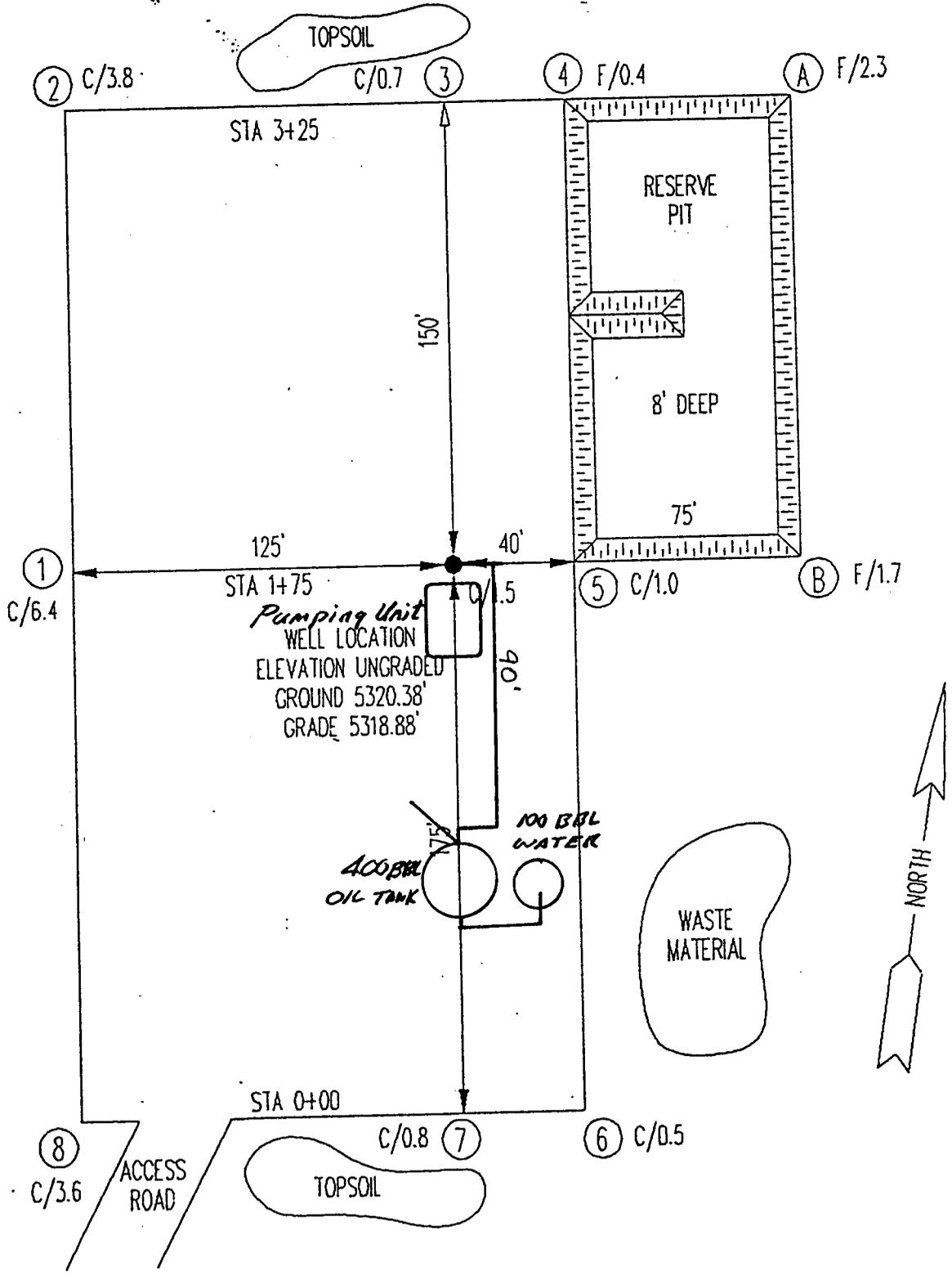
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

# PROPOSED PRODUCTION FACILITIES

## BALCRON MONUMENT BUTTE WELL PLAT 11-6 ALTERNATE LOCATION

Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah  
FLS #U-020252-A



BALCRON OIL COMPANY

#11-6 MONUMENT BUTTE - FEDERAL

NW NW SECTION 6, T9S, R17E

DUCHESNE COUNTY, UTAH

43-013-31362

**RECEIVED**

NOV 02 1992

DIVISION OF  
OIL GAS & MINING

**CONFIDENTIAL**

BALCRON OIL COMPANY

#11-6 MONUMENT BUTTE - FEDERAL

NW NW SECTION 6, T9S, R17E

DUCHESNE COUNTY, UTAH

Prepared by:

Roy L. Clement  
c/o Clement Consulting  
7703 Clark Avenue  
Billings, Montana 59106  
(406) 656-9514

Prepared for:

Keven K. Reinschmidt  
c/o Balcron Oil Company  
Post Office Box 21017  
Billings, MT 59104  
(406) 259-7860

## WELL EVALUATION

The #11-6 Monument Butte-Federal was the first in a series of development wells drilled by Balcron Oil Company at Monument Butte Field in the Uinta Basin, Utah. The purpose of the forty acre in fill drilling was two fold: number one to maximize oil production in the field and secondly as potential injection wells for a water flood project. Monument Butte Field produces oil and gas from channel sands in the Tertiary aged Green River Formation.

The #11-6 Monument Butte-Federal drill site was located in the Nw Nw of Section 6, T9S, R17E in Duchesne County, Utah. The well was spudded on September 28, 1992 and reached a total depth of 5704' in eleven days. Drill cuttings and formation gases were evaluated with a two man mud logging unit and a well site geologist from under surface casing. Additional evaluation of the well bore included a full suite of E-logs. Based on sample and gas shows and near by production, 5 1/2" production casing was run to total depth on October 10, 1992.

### Zones of Interest:

Numerous gas and sample shows were logged in the up hole section from bituminous sands with asphaltic oils and from petroliferous to carbonaceous shales. Asphaltic oil was commonly noted in the possum belly and on the pits beginning at 2760'. Chromatograph readings through these zones prove the gases to consist primarily of methane and ethane without any heavy ends.

The first significant show occurred from 3990' to 4020' with a net total gas increase of 270 units comprised of C1 through NC4 gases. Samples consisted of Sandstones with poor intergranular porosity and dark brown asphaltic oil stain. E-logs indicate 15 to 18% porosity and a slightly dirty gamma ray profile.

Pay #1 was topped at 4313' and a 160 unit gas increase was recorded. Samples indicated a poorly consolidated to unconsolidated Sandstone section with black asphaltic staining and poor intergranular porosity. Porosity logs proved this interval to be 16' thick with 18 to 20% porosity.

Pay #2 was a six foot thick interval encountered from 4782' to 4788'. Porosity ranges from 15 to 17% and a 280 unit net gas increase was noted along with dark brown oil staining.

Pay #3, topped at 4844', proved to be a tight and well cemented Sandstone at the #11-6 location. Logs confirm the absence of porosity in this zone.

Pay #4 was encountered at 5047'. This interval was 11' thick with porosity ranging from 15 to 20%. A 475 unit net gas

increase was detected from poorly consolidated to unconsolidated Sandstones with dark brown oil staining.

Pay #5, 5207' to 5220', was comprised of poorly consolidated to unconsolidated Sandstones with 14 to 18% porosity. Good oil shows, oil on the pits and a 225 unit gas increase were noted from this pay.

Pay #6 was present from 5286 to 5305' with porosity ranging from 16 to 17%. A 250 unit gas increase was recorded along with dark brown asphaltic oil staining.

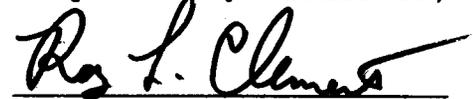
Additional pay below the Wasatch Tongue marker was indicated from 5676' to 5684'. A 160 unit gas increase occurred from poorly consolidated to unconsolidated Sandstones with dark brown spotty oil staining.

**Conclusions:**

1.) Based on gas readings, sample shows and log evaluations, Pays #4, 5 and 6 appear to have the best potential for oil production at the #11-6 Monument Butte-Federal.

2.) Pays #1, #2 and the section from 5676' to 5684' may warrant further evaluation through production casing.

Respectfully submitted,



Roy L. Clement  
Wellsite Geologist

WELL DATA SUMMARY

OPERATOR: BALCRON OIL COMPANY

ADDRESS: Post Office Box 21017  
Billings, Montana 59104

WELL NAME: #11-6 Monument Butte - Federal

PROSPECT: Monument Butte

LOCATION: 1065' FNL & 1001' FWL  
NW NW SECTION 6, T9S, R17E

LEASE #: U-020252A

API#: 43-013-31362

COUNTY: Duchesne

STATE: Utah

FIELD: Monument Butte

BASIN: Uinta

WELL TYPE: Development Well For Potential Water Injection Project

BASIS OF PROSPECT: Oil Production @ Monument Butte Field

ELEVATION: GL: 5320'      SUB: 13'      KB: 5333'

SPUD DATE: September 28, 1992 @ 0845 hrs CDT

TOTAL DEPTH/DATE: 5704' on October 9, 1992

TOTAL DRILLING DAYS: 11                      TOTAL ROTATING HOURS: 202

STATUS OF WELL: Cased for Completion on October 10, 1992

CONTRACTOR: Molen Drilling Company, Rig #1

TOOLPUSHER: Chuck Dornick

FIELD SUPERVISOR: Al Plunkett

MUD ENGINEERS: Dan Reid of Unibar Drilling Fluids

MUD TYPE: Fresh Water with KCL

WELLSITE GEOLOGIST: Roy L. Clement

PROSPECT GEOLOGIST: Keven K. Reinschmidt of Balcron Oil Company

MUDLOGGERS: Chris Jensen and Rocky Bailey of Monaco

**SAMPLING PROGRAM:** 30' samples from 270' to 4700'; 10' samples from 4700' to 5704' (TD). All samples lagged and caught by mud loggers. One dry set of samples sent to the state of Utah.

**HOLE SIZE:** 12 1/4" to 270'  
7 7/8" to TD

**CASING:** 8 5/8" surface casing set at 268'  
5 1/2" production casing to Total Depth

**DRILL STEM TEST:** None

**CORE PROGRAM:** None

**ELECTRIC LOGGING PROGRAM:** 1.) DIGL/GR/ from 5701' - 100'  
2.) CDL/DSN/GR/CAL from 5701' - 3500'

**LOG TOPS:** Green River @ 1545'; Horseshoe Bench @ 2259'; Pay #1 @ 4313'; Douglas Creek @ 4738'; Pay #2 @ 4782'; Pay #3 @ 4844'; Pay #4 @ 5047'; Pay #5 @ 5207'; Pay #6 @ 5286'; Wasatch Tongue @ 5597'; TD @ 5704'

**LOGGING COMPANY:** Halliburton  
**LOGGING ENGINEER:** Kirk Evatt

**CORRELATION WELLS:** 1.) Diamond Shamrock Corporation  
Allen Federal #12-6  
Sw Nw Section 6, T6S, R17E  
2.) Diamond Shamrock Corporation  
Allen Federal #23-6  
Nw Sw Section 6, T6S, R17E

**DISTRIBUTION LIST:** Balcron Oil Company  
Attn: Keven K. Reinschmidt  
Post Office Box 21017  
Billings, MT 59104

Balcron Oil Company  
Attn: Dale Griffen  
275-CO.RD-120  
Craig, CO 81625

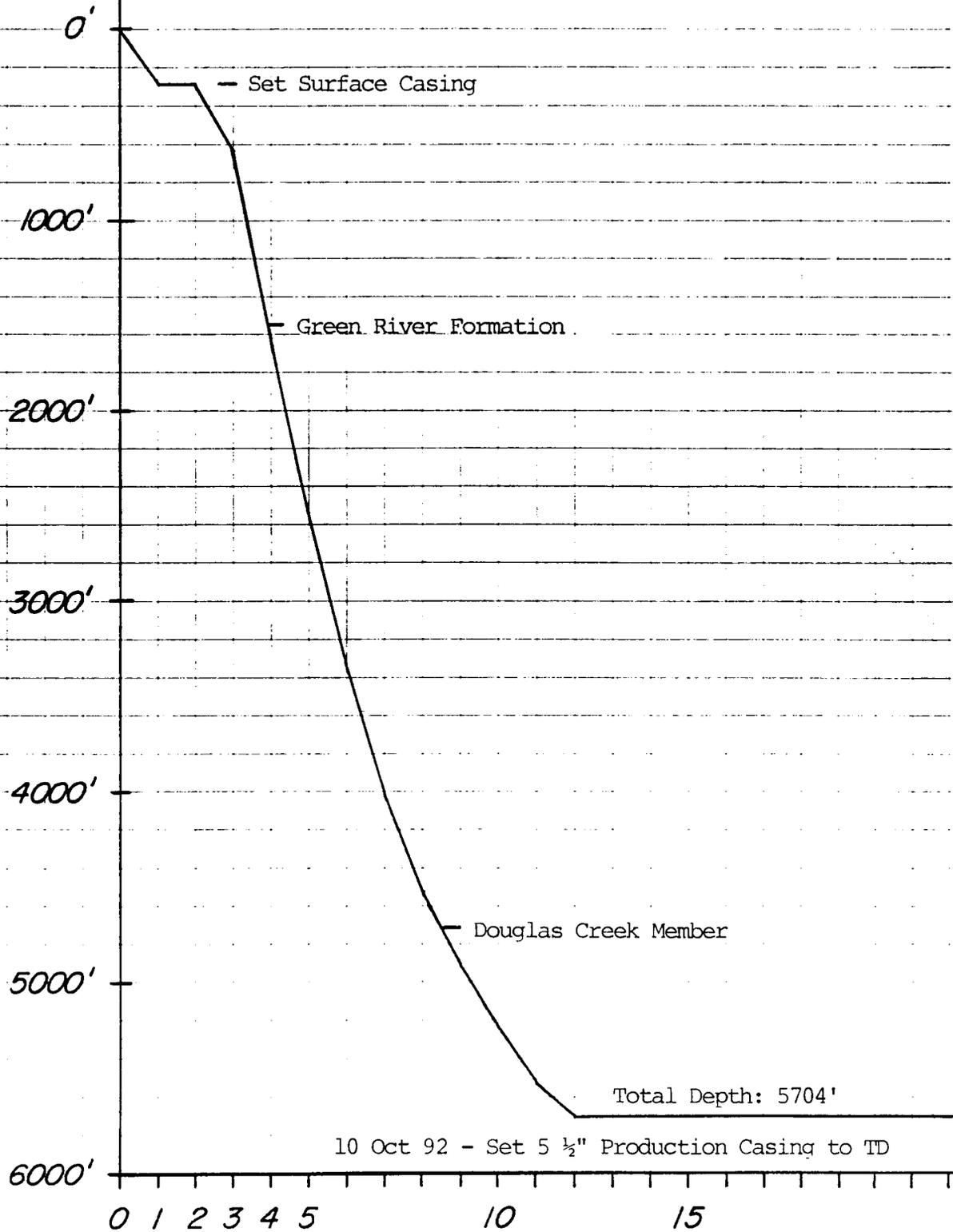
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

State of Utah  
Division of Oil, Gas, and Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180

DAILY ACTIVITY

<u>DAY</u>	<u>DATE</u>	<u>DEPTH</u>	<u>PROG</u>	<u>BIT</u>	<u>WOB</u>	<u>RPM</u>	<u>PP</u>	<u>WT</u>	<u>VIS</u>	<u>WL</u>	<u>ACTIVITY</u>	<u>FORMATION</u>
0	9/28/92	0'	0'	1	10	100	600	8.4	27	n/c	RIG UP, SPUD @ 0845	CDT
1	9/29	270'	270'	2	10	100	600	8.4	27	n/c	Set Surface Casing	
2	9/30	270'	0'	3	15	70	700	8.4	27	n/c	Drill Mouse Hole	
3	10/1	625'	355'	3	20	70	700	8.4	27	n/c	Drill ahead	Duchesne
4	10/2	1618'	993'	3	35	70	800	8.4	27	n/c	Drill ahead	Green R.
5	10/3	2536'	918'	3	35	70	850	8.4	27	n/c	Drill ahead	Green R.
6	10/4	3339'	803'	3	35	70	900	8.6	27	n/c	Trip for Bit	Green R.
7	10/5	4015'	676'	4	45	65	950	8.5	26	n/c	Drill ahead	Green R.
8	10/6	4514'	499'	5	45	65	950	8.5	26	n/c	Trip for Bit	Green R.
9	10/7	4887'	373'	5	35	65	850	8.6	27	n/c	Drill ahead	Douglas C.
10	10/8	5230'	343'	6	35	65	850	8.5	26	n/c	Trip for Bit	Douglas C.
11	10/9	5526'	296'	6	40	65	850	8.5	25	n/c	Drill to TD	Wasatch T.
12	10/10	5704'	178'	-	--	--	-	Static	-	-	Run E-Logs & Casing	

TIME vs DEPTH



10 Oct 92 - Set 5 1/2" Production Casing to TD

DAYS FROM SPUD

BIT RECORD

CONTRACTOR: MOLEN DRILLING, RIG #1 PUMP #1, MAKE & MODEL: EMSCO D375

SPUD: 9/28/92 TOTAL DEPTH: 10/9/92 TOTAL ROTATING HOURS: 202.0

<u>BIT NO.</u>	<u>SIZE</u>	<u>TYPE/MAKE</u>	<u>JETS SIZE</u>	<u>SERIAL #</u>	<u>DEPTH OUT</u>	<u>FEET</u>	<u>HOURS</u>	<u>ACCUM HOURS</u>	<u>WOB</u>	<u>RPM</u>	<u>DEV</u>	<u>PP</u>	<u>T</u>	<u>B</u>	<u>G</u>
1	12 1/4	SEC S33C	11 11 12	523523	142'	142'	14.00	14.00	10	100	-	600	5	2	I
2	12 1/4	SEC S33C	11 11 12	34018	270'	128'	6.50	20.5	10	100	-	600	2	2	I
3	7 7/8	SEC S88CF	13 13 13	588323	3574'	3304'	82.00	102.50	35	70	2 1/4 <sup>0</sup>	900	1	2	I
4	7 7/8	SEC S88CF	13 13 14	529424	4528'	954'	37.25	139.75	45	65	2 <sup>0</sup>	950	8	2	I
5	7 7/8	SEC S88F	14 14 14	534969	5253'	725'	41.5	181.25	35	65	2 1/4 <sup>0</sup>	825	8	3	I
6	7 7/8	STC F4AH	14 143 14	KV0103	5704'	451'	20.75	202.00	35	65	2 <sup>0</sup>	850	1	1	I

## DEVIATION SURVEYS

<u>DEPTH</u>	<u>DEVIATION</u>
131'	3/4°
249'	1/4°
820'	1 1/2°
1342'	1/4°
1800'	1 1/2°
2383'	1 1/2°
2808'	1 1/4°
3300'	1 3/4°
3574'	2 1/4°
4212'	1°
4528'	2°
5006'	2 3/4°
5253'	2 1/4°
5704'	2°

FORMATION TOPS AND STRUCTURAL RELATIONSHIPS

SUBJECT WELL: #11-6 Monument Butte-Federal; NW NW Sec 6, T9S, R17E KB: 5333'  
OFFSET #1: Allen Federal #12-6; SW NW Sec 6, T9S, R17E KB: 5362'

<u>AGE and FORMATION</u>	<u>PROG</u>	<u>SAMPLE</u>	<u>E-LOG</u>	<u>DATUM</u>	<u>THICK</u>	<u>DIP TO OFFSET #1</u>
<u>TERTIARY</u>						
Duchesne	Surface					
Green River	1562'	1555'	1545'	3788'	714'	-24'
Horseshoe Bench	2269'	2265'	2259'	3074'	2479'	-31'
Pay #1	4325'	4313'	4313'	1020'	16'	-29'
Douglas Creek	4759'	4750'	4738'	595'	859'	-20'
Pay #2	4768'	4784'	4782'	551'	6'	-30'
Pay #3	4845'	4844'	4844'	489'	0'	-40'
Pay #4	5063'	5049'	5047'	286'	11'	-25'
Pay #5	5226'	5209'	5207'	126'	13'	n/a
Pay #6	5294'	5286'	5286'	47'	19'	-33'
Wasatch Tongue	5624'	5596'	5597'	-264'	--	-37'

REFERENCE WELL

DIAMOND SHAMROCK CORP.  
ALLEN FEDERAL #12-6  
 SW NW SEC 6, T9S, R17E  
KB: 5333'

<u>AGE and FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>THICK</u>
<u>TERTIARY</u>			
Duchesne	Surface		
Green River	1550'	3812'	707'
Horseshoe Bench	2257'	3105'	2490'
Pay #1	4313'	1049'	13'
Douglas Creek	4747'	615'	842'
Pay #2	4781'	581'	6'
Pay #3	4833'	529'	7'
Pay #4	5051'	311'	4'
Pay #5	Absent		
Pay #6	5282'	80'	12'
Wasatch Tongue	5589'	-227'	---

## LITHOLOGY

**NOTE:** All samples were lagged and caught by mud loggers. 30' samples were taken from 270' to 4700' and 10' samples caught from 4700' to total depth. Sample quality was fair to good. Descriptions begin at 270'.

270' - 360'	<u>Shale:</u>	light to medium gray, graygreen, redbrown in part, blocky to platy, very slightly calcareous, silty, occasional interbeds of
	<u>Limestone:</u>	tan to cream, microcrystalline, firm, chalky to fragmental, argillaceous to dolomitic
360' - 450'	<u>Shale:</u>	medium to dark graygreen, gray, blocky, very slightly calcareous in part, Micaceous, trace Pyrite, grading to Siltstone in part, trace Limestone: cream, microcrystalline, firm, chalky, argillaceous
450' - 480'	<u>Sandstone:</u>	light gray, salt and peppered, medium grained, angular to sub angular, fair sorting, fair consolidation, calcareous to micaceous
480' - 600'	<u>Shale:</u>	light to medium gray, graybrown, soft to firm, blocky to platy, calcareous, silty, interbeds of
	<u>Limestone:</u>	light brown to cream, microcrystalline, firm, chalky, argillaceous
600' - 660'	<u>Sandstone:</u>	light gray to white, salt and peppered, angular to sub angular, poor to fair consolidation, fair sorting, calcareous, Micaceous to Pyritic, interbeds of Shale and Limestone as above
660' - 720'	<u>Siltstone:</u>	light to medium gray, graygreen, soft to firm, very slightly calcareous, Micaceous to Pyritic, occasional seams of
	<u>Gilsonite:</u>	black, conchoidal fracturing, brilliant luster, dense, firm
720' - 780'	<u>Siltstone:</u>	as above, grading to Sandstone:

white, salt and peppered, medium grained, sub angular to angular, slightly calcareous, poor to fair consolidation, fair sorting, trace Limestone: tan to buff, microcrystalline, firm, chalky to fragmental

780' - 870'     Siltstone:     gray to graygreen, soft to firm, slightly calcareous in part, Micaceous to Pyritic, grading to Sandstone

870' - 900'     Sandstone:     white to graywhite, fine to medium grained, poorly sorted, poorly consolidated to unconsolidated, sub rounded to rounded, Micaceous

900' - 930'     Siltstone:     gray to graygreen, soft, calcareous, Micaceous

930' - 960'     Limestone:     light brown to cream, microcrystalline, firm, dense, trace brown oil stain, dull yellow fluorescence, immediate bright yellowwhite streaming cut

960' - 1050'     Siltstone:     light to medium gray, soft to firm, slightly calcareous, grading to Sandstone: salt and peppered, light gray to white, fine to medium grained, sub angular to sub rounded, poorly sorted, poor consolidation to unconsolidated, Micaceous to Pyritic

1050' - 1140'     Siltstone:     light to medium gray, soft to firm, slightly calcareous, grading to Sandstone in part, trace Limestone: tan to cream, microcrystalline, firm, dense to chalky

1140' - 1200'     Sandstone:     white, salt and peppered, fine to medium grained, sub angular to sub rounded, poor sorting, poorly consolidated to unconsolidated, grading to Siltstone. black asphaltic stain, no fluorescence, slow yellowwhite streaming cut

1200' - 1290'     Shale:     gray to graygreen, soft, blocky to platy in part, slightly calcareous, very silty and grading to Siltstone, trace Mica

- 1290' - 1320' Limestone: light brown to cream, microcrystalline, soft to firm, chalky to earthy, argillaceous to silty, trace vugular porosity, dark brown oil stain, no fluorescence, moderate yellowgreen streaming cut, interbedded with
- Shale: light gray, blocky to platy, soft, calcareous
- 1320' - 1470' Siltstone: light to medium gray, graybrown, soft, slightly calcareous, Micaceous to Pyritic, grading to Shale: as above
- 1470' - 1555' Limestone: light to medium brown, microcrystalline, soft to firm, dense to chalky, argillaceous to silty, interbedded with
- Shale: light to medium gray, graygreen, soft, blocky to platy, calcareous, grading to Siltstone

Sample Top: Green River Formation @ 1555'

- 1555' - 1590' Limestone: light to medium brown, cream, crypto to microcrystalline, soft to firm, dense, argillaceous
- 1590' - 1620' Shale: medium brown to graybrown, platy to blocky, firm, very calcareous to marly
- 1620' - 1800' Limestone: light to medium brown, graybrown, microcrystalline, soft to firm, dense to chalky, dolomitic, argillaceous to shaly, trace Pyrite
- 1800' - 1920' Limestone: light brown, cream to buff in part, micro to very fine crystalline, soft to firm, argillaceous to shaly, dolomitic to siliceous in part, Pyritic, dark brown to black asphaltic stain, dull gold to orange fluorescence, immediate bright yellowgreen streaming cut, interbeds of
- Shale: light gray to graybrown, soft, blocky, calcareous, petroliferous, no fluorescence, bright yellowgreen streaming cut
- 1920' - 2070' Limestone: light to medium brown, crypto to

microcrystalline, firm, dense to slightly chalky, argillaceous to shaly, dolomitic to siliceous, trace Pyrite

- 2070' - 2160' Limestone: light brown, cream in part, crypto to microcrystalline, firm, dense to micritic, argillaceous to shaly, very dolomitic in part, trace Pyrite, interbeds of
- Shale: light graybrown, firm, blocky, calcareous to marly, petroliferous, no fluorescence, bright yellowgreen streaming cut
- 2160' - 2265' Limestone: light to medium brown, cream to white in part, crypto to microcrystalline, soft to firm, dense to chalky, argillaceous to shaly, dolomitic in part, interbedded with
- Shale: light to medium gray, graybrown, soft to firm, blocky to platy, calcareous

Sample Top: Horseshoe Bench @ 2265'

- 2265' - 2310' Limestone: light to medium gray, graybrown, microcrystalline, soft to firm, dense to chalky, silty to arenaceous, argillaceous, dolomitic
- 2310' - 2340' Sandstone: clear, light brown, salt and peppered, fine to medium grained, sub angular to sub rounded, poorly sorted, fair consolidation, calcareous cement, Micaceous to argillaceous
- 2340' - 2400' Limestone: brown to redbrown, microcrystalline, firm, dense to chalky, argillaceous to shaly, interbedded with
- Shale: gray to graybrown, firm, blocky to platy, calcareous to marly
- 2400' - 2490' Limestone: light to dark brown, cream in part, crypto to microcrystalline, soft to firm, dense to chalky, argillaceous to shaly, interbeds of Shale: as above
- 2490' - 2550' Shale: medium to dark brown, platy to blocky, firm, calcareous to silty,

interbeds of Limestone: as above

2550' - 2670' Shale: light to dark brown, graybrown, platy to blocky, soft to firm, calcareous, interbeds of

Limestone: light to medium brown, cryptocrystalline, firm, dense, argillaceous to shaly, trace Pyrite

2670' - 2730' Limestone: light brown to cream, microcrystalline, firm, dense to micritic, dolomitic, argillaceous to shaly, Pyritic, interbeds of Shale: as above

2730' - 2760' Sandstone: light brown, clear, fine to medium grained, sub angular to sub rounded poor sorting, poor to fair consolidation, calcareous cement, very poor visual porosity, brown oil stain, dull orange fluorescence, immediate bright yellowgreen streaming cut, oil on pits beginning @ 2760'

2760' - 2830' Sandstone: clear, salt and peppered, fine to medium grained, occasional coarse grains, sub angular to sub rounded, predominantly unconsolidated, poor sorting, brown oil stain, dull orange fluorescence, immediate bright yellowgreen streaming cut

2830' - 2850' Siltstone: light gray to graybrown, soft, calcareous, grading to Shale in part

2850' - 2880' Shale: light to medium brown, soft, platy, calcareous, silty in part, petroliferous, trace dull orange fluorescence, moderate yellowgreen streaming cut, oil on pits

2880' - 2970' Shale: light to dark brown, graybrown, soft, platy to blocky, calcareous to marly, petroliferous, fluorescence and cut as above

2970' - 3000' Limestone: light gray to tan, cryptocrystalline, firm, dense to micritic, dolomitic, slightly argillaceous to shaly

3000' - 3060' Shale: light to medium gray, platy, soft,

	<u>Siltstone:</u>	calcareous, silty, interbedded with light gray, soft, calcareous, grading to very fine grained Sandstone
3060' - 3090'	<u>Limestone:</u>	light gray, cream to buff, crypto to microcrystalline, firm, dense to micritic, slightly argillaceous
3090' - 3180'	<u>Shale:</u>	light to medium brown, graybrown, blocky to platy, soft to firm, slightly calcareous, petroliferous in part, trace Pyrite and interbeds of Limestone: as above
3180' - 3270'	<u>Siltstone:</u>	light to medium gray, soft, calcareous, trace Pyrite, grading to
	<u>Sandstone:</u>	white to light gray, salt and peppered, sub angular, fine to medium grained, fair sorting, fair to good consolidation, calcareous cement, Micaceous
3270' - 3390'	<u>Limestone:</u>	light brown to graybrown, cryptocrystalline, firm, dense, argillaceous to shaly, dolomitic, interbedded with
	<u>Shale:</u>	light gray to graybrown, soft, platy to blocky, calcareous
3390' - 3420'	<u>Limestone:</u>	cream to white, cryptocrystalline, firm, dense to chalky, slightly argillaceous, arenaceous in part
3420' - 3510'	<u>Shale:</u>	medium to dark gray, graybrown, soft to firm, blocky to platy, calcareous, petroliferous, silty in part
3510' - 3540'	<u>Limestone:</u>	light to medium brown, cream, cryptocrystalline to microcrystalline, firm, dense to slightly chalky, argillaceous to silty
3540' - 3600'	<u>Siltstone:</u>	light to medium gray, soft to firm, calcareous, grading to Shale in part
3600' - 3660'	<u>Limestone:</u>	light brown, cream to buff, crypto to microcrystalline, firm, dense to micritic, slightly argillaceous to shaly in part

3660' - 3720' Siltstone: light to medium gray, soft, calcareous, grading to  
Sandstone: clear, white, salt and peppered, fine to medium grained, sub angular to sub rounded poor to fair sorting, fair consolidation, calcareous cement, Micaceous to Pyritic, very poor visual porosity

3720' - 3840' Shale: light to medium gray, platy to blocky in part, slightly calcareous to silty, interbedded with  
Limestone: tan to graybrown, cryptocrystalline, firm, dense, slightly argillaceous

3840' - 3900' Siltstone: light gray, soft, calcareous, grading to Sandstone in part: light gray, white, very fine to fine grained, sub angular to sub rounded, fair sorting, fair consolidation, calcareous cement, micaceous

3900' - 3960' Sandstone: white to graywhite, fine to medium grained, sub angular, poor to fair sorting, fair consolidation, calcareous cement, very poor visual porosity

3960' - 3990' Shale: light to medium gray, firm, platy to blocky, slightly calcareous, silty

3990' - 4020' Sandstone: light gray to graybrown, very fine to fine grained, sub angular to sub rounded, fair sorting, poor to fair consolidation, slightly calcareous, poor inter granular porosity, dark brown asphaltic oil stain, dull gold fluorescence, immediate yellowgreen streaming cut

4020' - 4110' Shale: medium to dark gray, platy to blocky in part, firm, calcareous to silty, interbeds of  
Limestone: tan, cream to buff, crypto to microcrystalline, firm, dense to slightly chalky, slightly argillaceous

4110' - 4140' Siltstone: light gray, graywhite, firm, calcareous, grading to very fine grained Sandstone in part

- 4140' - 4170' Shale: dark brown to graybrown, firm, platy to blocky, calcareous to silty, interbeds of  
Limestone: tan to cream, cryptocrystalline, firm, dense, argillaceous
- 4170' - 4253' Siltstone: light gray, firm, calcareous, grading to very fine grained Sandstone in part, trace Pyrite
- 4253' - 4262' Sandstone: white, very fine to fine grained, sub angular to sub rounded, fair sorting, poor consolidation, Pyritic to Micaceous, calcareous, poor intergranular porosity, black asphalt oil stain through out, no fluorescence, immediate bright yellowgreen streaming cut
- 4262' - 4280' Siltstone: light to medium gray, soft to firm, calcareous, grading to shale in part
- Sample Top: Pay #1 @ 4313'
- 4313' - 4329' Sandstone: white to clear, very fine to fine grained, sub angular to sub rounded, fair sorting, poorly consolidated to unconsolidated, calcareous, poor intergranular porosity, black asphaltic oil stain through out, no fluorescence, immediate bright yellowgreen streaming cut
- 4329' - 4487' Siltstone: light gray, graybrown, firm to slightly hard, calcareous, grading to Shale in part, trace Limestone: tan to cream, microcrystalline, firm, dense to chalky, argillaceous
- 4487' - 4491' Sandstone: white to light brown, very fine to fine grained, sub angular to sub rounded, fair sorting, poorly consolidated to unconsolidated, calcareous, poor intergranular porosity, dark brown oil stain, dull yellow fluorescence, immediate yellowwhite streaming cut
- 4491' - 4528' Siltstone: light gray to graywhite, firm, calcareous, grading to  
Shale: light brown to graybrown, blocky to platy, calcareous, firm, silty,

trace Limestone

4528' - 4650' Shale: gray to graybrown, brown in part, firm, blocky to platy, calcareous to silty, interbeds of  
Limestone: tan to cream, microcrystalline, soft to firm, chalky to earthy, slightly argillaceous

4650' - 4750' Shale: light to medium gray, graybrown, soft to firm, platy to blocky, calcareous to silty in part, trace Pyrite and Limestone: cream to buff, microcrystalline, soft, chalky, argillaceous

Sample Top: Douglas Creek @ 4750'

4750' - 4784' Limestone: cream to tan, light graybrown, microcrystalline, soft, chalky, argillaceous to shaly, interbeds of  
Sandstone: light gray, fine to medium grained, sub angular, fair sorting, fair consolidation, Pyritic, tight, grading to Siltstone

Sample Top: Pay #2 @ 4784'

4784' - 4790' Sandstone: clear to white, very fine to fine grained, medium grained in part, sub angular to sub rounded, poor to fair sorting, poorly consolidated to unconsolidated, poor to fair intergranular porosity, dark brown oil staining through out, dull orange to gold fluorescence, immediate bright yellowwhite streaming cut

4790' - 4844' Shale: light to medium gray, soft, platy to blocky, calcareous to silty, grading to  
Siltstone: light gray to graywhite, firm, calcareous

Sample Top: Pay #3 @ 4844'

4844' - 4852' Sandstone: white to light gray, fine to medium grained, sub angular, poor sorting, fair to good consolidation, tight and well cemented with calcareous cement, no visual porosity, no show

4852' - 4896' Shale: light to medium gray, soft to firm,

platy to blocky, calcareous to marly, grading to Siltstone in part, trace Limestone and Pyrite

- 4896' - 4916' Shale: light to medium gray, brown in part, firm, blocky to platy in part, calcareous to silty, trace Pyrite
- 4916' - 4934' Siltstone: light to medium gray, firm to slightly hard, calcareous, grading to very fine grained Sandstone: tightly cemented
- 4934' - 4938' Sandstone: white to light brown, very fine to fine grained, sub angular to sub round, poorly consolidated to unconsolidated, trace dark brown oil stain, trace dull orange fluorescence, slow weak yellowgreen streaming cut
- 4938' - 4958' Siltstone: light to medium gray, firm, calcareous, grading to Shale
- 4958' - 4980' Shale: light to medium brown, graybrown, soft to firm, platy to blocky, calcareous, trace Limestone
- 4980' - 5020' Siltstone: light to medium gray, firm, calcareous, grading to  
Shale: gray to brown, firm, blocky to platy, calcareous to marly, silty, trace Limestone
- 5020' - 5049' Siltstone: light to medium gray, graywhite, firm to slightly hard, calcareous, grading to tightly cemented very fine grained Sandstone in part, interbeds of  
Shale: light to medium brown, firm, blocky, calcareous to marly
- Sample Top: Pay #4 @ 5049'
- 5049' - 5059' Sandstone: white to light brown, fine to medium grained, sub angular to sub rounded, fair sorting, poorly consolidated to unconsolidated, dark brown oil stain through out, dull yellow fluorescence, immediate bright yellowgreen streaming cut
- 5059' - 5104' Siltstone: light to medium gray, firm to

slightly hard, calcareous, trace  
Pyrite, grading to

Shale: light brown to graybrown, soft to  
firm, blocky to platy, calcareous

5104' - 5140' Shale: light to dark brown, soft, platy to  
blocky, calcareous, silty in part

5140' - 5209' Siltstone: light to medium gray, graybrown,  
firm to slightly hard, calcareous,  
grading to

Shale: light to medium brown, graybrown,  
soft, calcareous, trace Pyrite and  
Limestone: cream to buff,  
microcrystalline, firm, dense,  
argillaceous

Sample Top: Pay #5 @ 5209'

5209' - 5220' Sandstone: white to light brown, very fine to  
fine grained, medium grained in  
part, sub angular to sub rounded,  
poor to fair sorting, poorly  
consolidated to unconsolidated in  
part, poor intergranular porosity,  
dark brown oil stain through out  
and oil on pits, dull yellow to  
orange fluorescence, immediate  
bright yellowgreen streaming cut

5220' - 5260' Siltstone: light gray to gray white, firm,  
calcareous, grading to

Shale: light to medium brown, soft to  
firm, blocky to platy, calcareous,  
trace Sandstone: light brown, very  
fine grained to fine grained, fair  
sorting, fair consolidation, trace  
to poor intergranular porosity,  
dark brown oil stain, dull orange  
fluorescence, immediate bright  
yellowgreen streaming cut

5260' - 5270' Sandstone: white to light brown, very fine to  
fine grained, sub angular, fair  
sorting, fair consolidation, trace  
to poor intergranular porosity,  
trace brown oil stain, trace dull  
orange fluorescence, slow weak  
yellowgreen streaming cut

5270' - 5286' Siltstone: light to medium gray, firm,  
calcareous, grading to Shale in  
part

Sample Top: Pay #6 @ 5286'

- 5286' - 5304' Sandstone: light to medium brown, white, very fine to fine grained, medium grained in part, sub angular to sub rounded, poor sorting, poorly consolidated, calcareous cement, trace to poor intergranular porosity, dark brown asphaltic oil stain through out, no fluorescence, immediate yellowwhite streaming cut
- 5304' - 5342' Siltstone: light to medium gray, firm, calcareous, grading to  
Sandstone: light brown to white, very fine to fine grained, fair sorting, fair consolidation, calcareous cement, trace intergranular porosity, predominantly tight, dark brown spotty asphaltic oil stain, no fluorescence, immediate yellowwhite streaming cut, trace Limestone and Shale
- 5342' - 5366' Siltstone: light to medium gray, firm to slightly hard, calcareous, grading to Shale in part
- 5366' - 5408' Shale: light to medium gray, graybrown to brown, firm, platy to blocky, slightly calcareous, silty, abundant finely disseminated Pyrite
- 5408' - 5458' Siltstone: light to medium gray, graybrown, firm, calcareous to slightly calcareous, grading to shale
- 5458' - 5506' Shale: medium to dark brown, soft to firm, blocky to platy in part, non calcareous to slightly calcareous, carbonaceous to petroliferous, no fluorescence, occasional slow yellowgreen streaming to diffuse cut
- 5506' - 5526' Siltstone: light to medium gray, graybrown, firm, calcareous, grading to Shale
- 5526' - 5586' Shale: dark brown to dark graybrown, soft to firm, blocky to sub platy, very slightly calcareous, silty in part, trace Pyrite, carbonaceous to petroliferous in part, no fluorescence, very slow weak

diffuse cut

5586' - 5596' Siltstone: light to medium gray, graywhite, soft to firm, calcareous to limy, grading to very fine grained sandstone in part

Sample Top: Wasatch Tongue @ 5596'

5596' - 5604' Sandstone: white to graywhite, fine to medium grained, sub angular to sub rounded, poor sorting, fair consolidation, tight and well cemented with calcareous cement, no visual porosity

5604' - 5630' Siltstone: light to medium gray, firm, calcareous, grading to very fine grained Sandstone in part

5630' - 5676' Siltstone: light to medium gray, firm, calcareous, grading to  
Shale: light brown, blocky, fir, very calcareous to marly

5676' - 5684' Sandstone: white to clear, fine to medium grained, sub rounded to rounded, poor to fair sorting, poorly consolidated to unconsolidated, dark brown spotty oil stain, no fluorescence, slow weak yellowgreen diffuse cut

5684' - 5704' Siltstone: light gray, graywhite, firm, calcareous, grading to tightly cemented fine grained Sandstone

Note: Driller's Total Depth: 5704'

LOGGING REPORT

Logging Company: Halliburton Engineer: Kirk Evatt Date: 10/9-10/92

Witnessed by: Roy Clement and Al Plunkett

Driller's TD Depth: 5704' Logger's TD Depth: 5704'

Driller's Casing Depth: 268' Logger's Casing Depth: 269'

Elevation: GL: 5320' Sub: 13' KB: 5333'

Mud Conditions: Wt: 8.5 Vis: 26 WL: n/c CL-: 13,000  
BHT: 151<sup>0</sup> F

Hole Conditions: Good

Logging Time: Time Arrived: 1800 hrs First Tool in Hole: 1930 hrs  
Last Tool Out: 0200 hrs Time of Departure: 0500 hrs

Electric Logging Program:

- 1.) Dual Induction Guard Log with Gamma Ray from 5701' to 100'.
- 2.) Compensated Density Dual Spaced Neutron Log with Gamma Ray and Caliper from 5701' to 3500'.

Log Tops: Green River Formation @ 1545'; Horseshoe Bench @ 2259'; Pay #1 @ 4313'; Douglas Creek @ 4738'; Pay #2 @ 4782'; Pay #3 @ 4844'; Pay #4 @ 5047'; Pay #5 @ 5207'; Pay #6 @ 5286'; Wasatch Tongue @ 5597'; Total Depth @ 5704'.

Zones of Interest:

Pay #1 4313' to 4329': 16' with 18 - 20% porosity

Pay #2 4782' to 4788': 6' with 15 - 17% porosity

Pay #3 4844': tightly cemented and silty, no porosity

Pay #4 5047' to 5058': 11' with 15 - 20% porosity

Pay #5 5207' to 5220': 13' with 14 - 18% porosity

Pay #6 5286' to 5305': 19' with 16 - 17% porosity

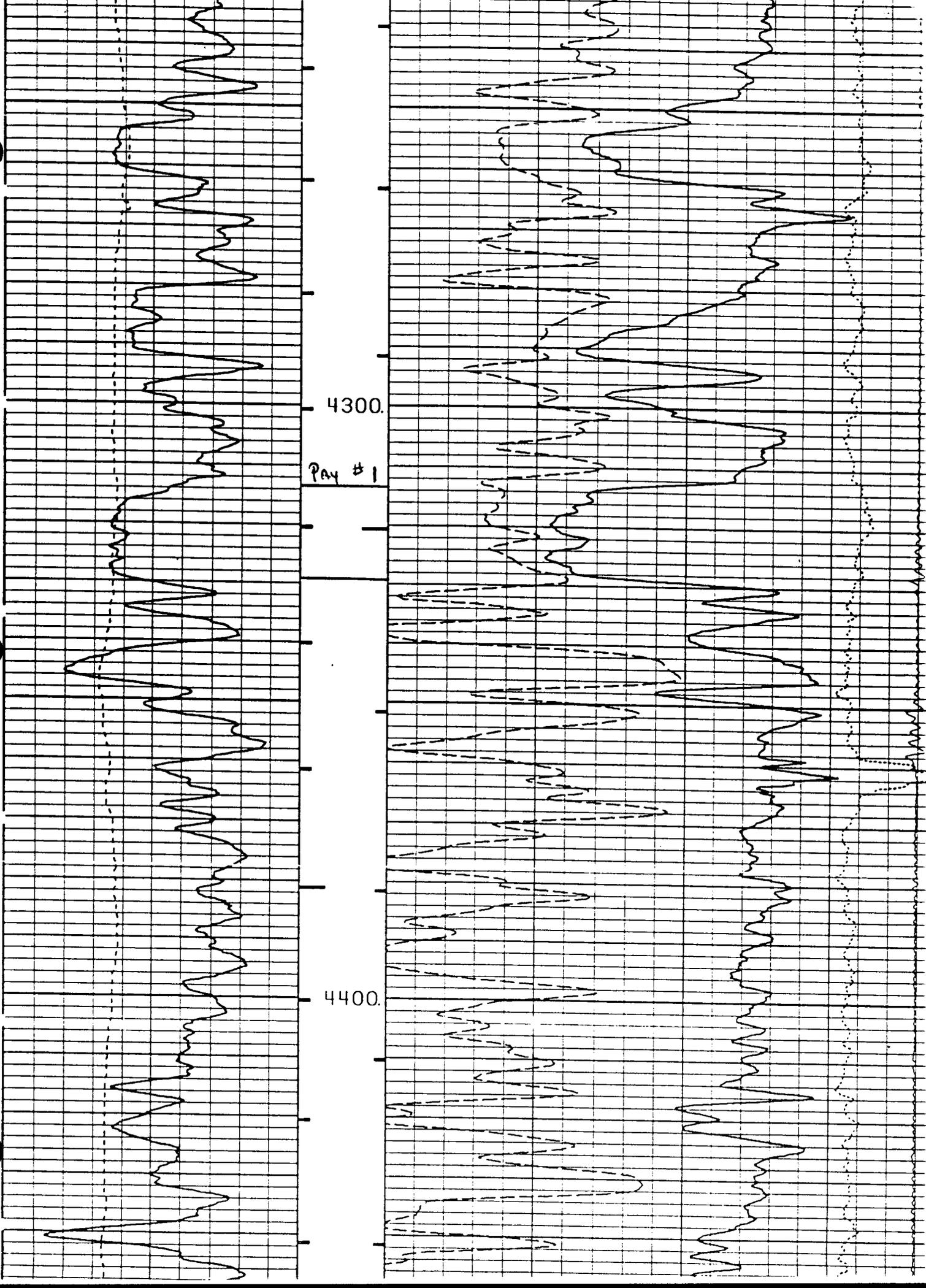
Note: The following pages contain log excerpts over zones of interest.

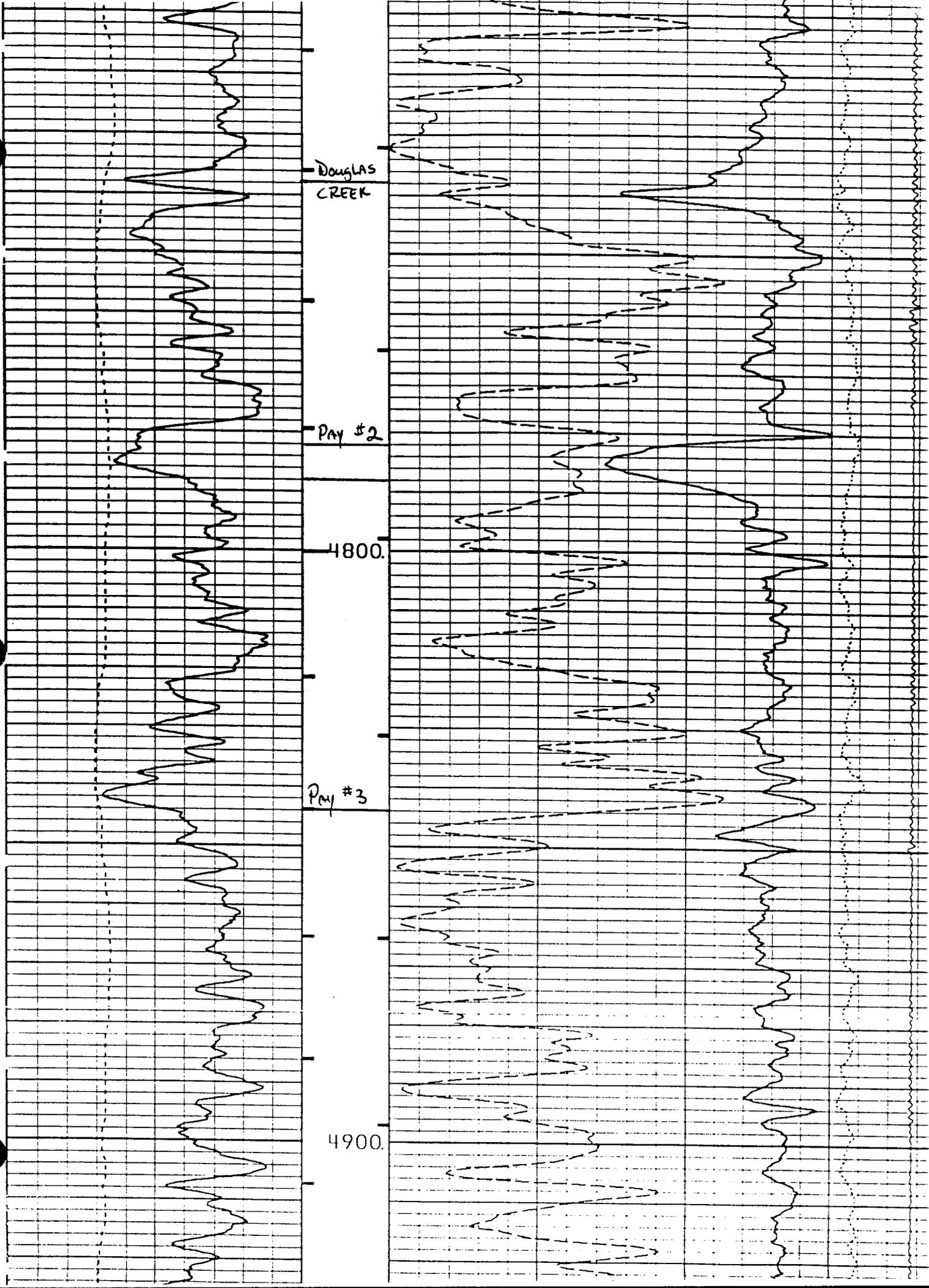


# COMPENSATED DENSITY DUAL SPACED NEUTRON LOG

COMPANY BALCRON OIL COMPANY WELL NO. 11-6 MONUMENT BU FIELD MONUMENT BUTTE COUNTY DUCHESNE STATE UT	COMPANY BALCRON OIL COMPANY		
	WELL NO. 11-6 MONUMENT BUTTE-FEDERAL		
	FIELD MONUMENT BUTTE		
	COUNTY DUCHESNE		STATE UT
API NO 43-013-31362		OTHER SERVICES DIGL	
LOCATION NW/4, NW/4 1065 FNL AND 1001 FNL			
SECT 6	TWP 9S	RGE 17E	
PERMANENT DATUM GL.	ELEV. 7229.8	ELEV.: K.B. 5333	
LOG MEASURED FROM KB 13	FT. ABOVE PERM DATUM	D.F. 5332	
DRILLING MEASURED FROM KB		G.L. 5320	
DATE	10/09/92		
RUN NO.	ONE		
DEPTH-DRILLER	5704		
DEPTH-LOGGER	5704		
BTM. LOG INTER	5701		
TOP LOG INTER	3500		
CASING DRILLER	8.625#268		
CASING-LOGGER	269		
BIT SIZE	7.875		
TYPE FLUID IN HOLE	GEL STARCH		
DENS. : VISC.	8.5 :26		
PH : FLUID LOSS	N/A :NC		
SOURCE OF SAMPLE	FLOWLINE		
RM # MEAS. TEMP.	0.24 #74 F		
RMF # MEAS. TEMP.	N/A #N/A		
RMC # MEAS. TEMP.	N/A #N/A		
SOURCE RMF:RMC	N/A :N/A		
RM #BHT	0.12 #151 F		
TIME SINCE CIRC.	4 HOURS		
TIME ON BOTTOM	20:24 10/09		
MAX. REC TEMP.	151 F#TD		
EQUIP. : LOCATION	52546:VERNL		
RECORDED BY	K. EVATT		
WITNESSED BY	R. CLEMENT	A. PLUNKETT	

FIELD PRINT



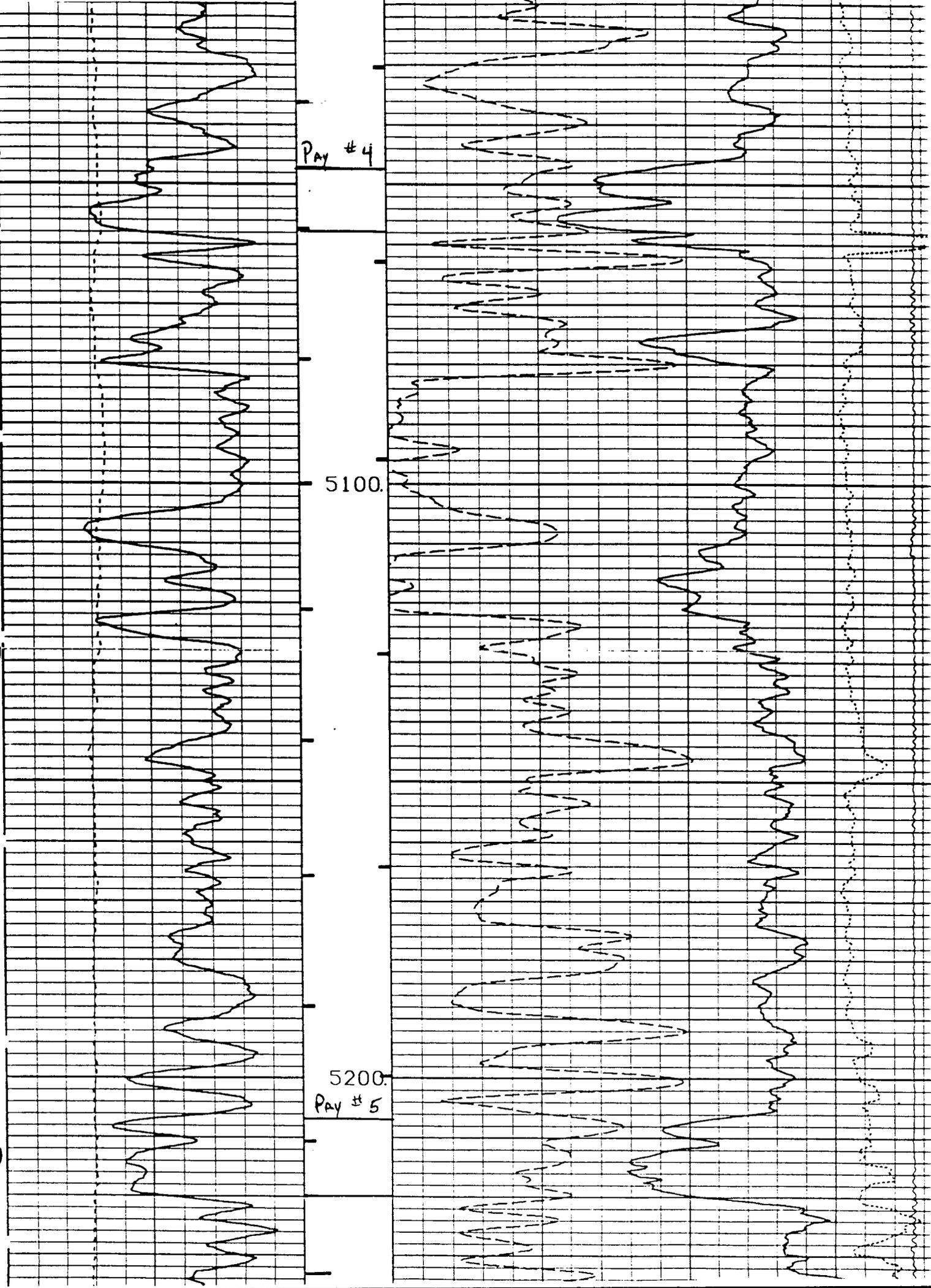


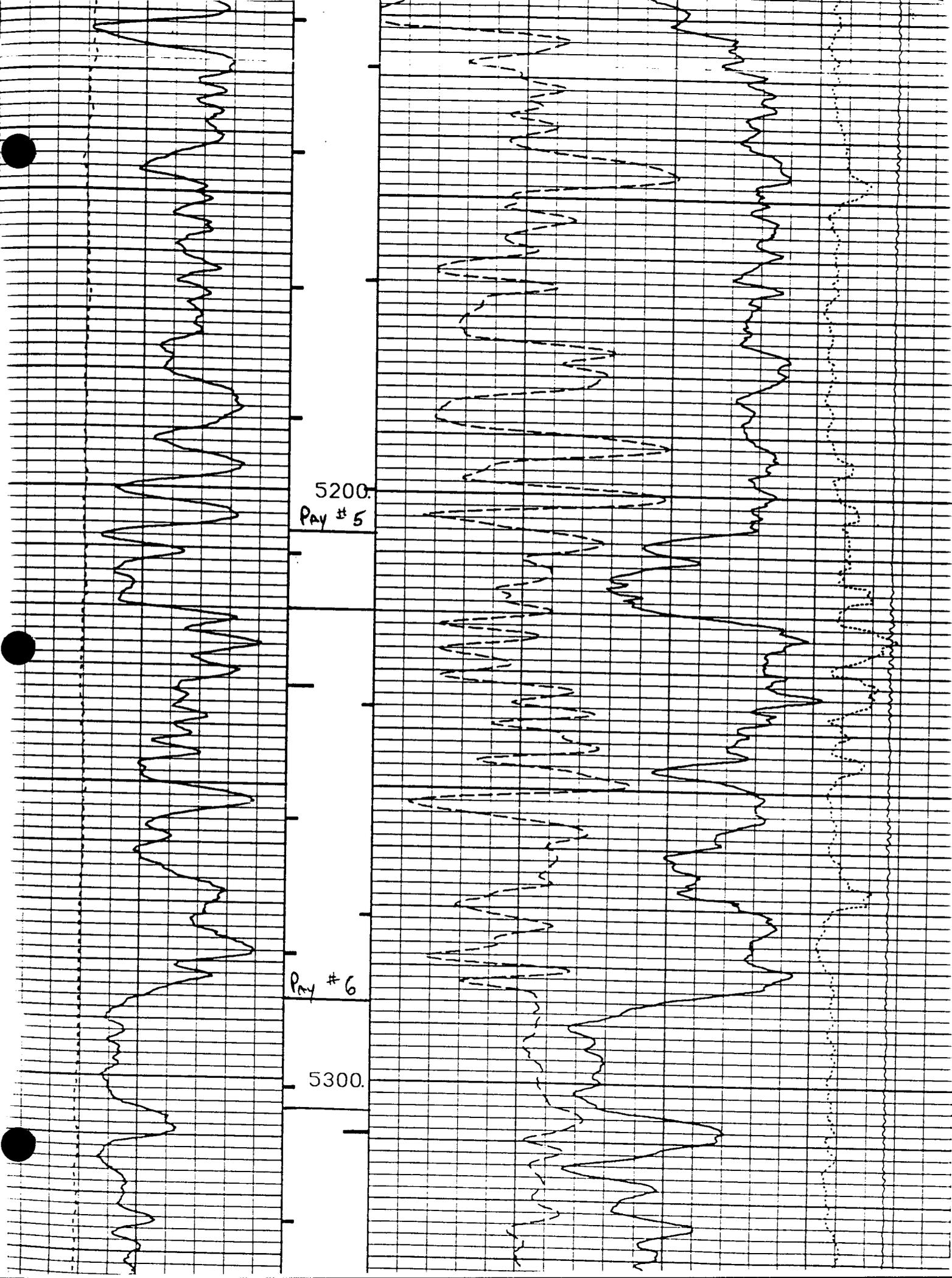
PAY #4

5100.

5200.

PAY #5





CLEMENT CONSULTING  
7703 CLARK AVENUE  
BILLINGS, MONTANA 59106  
(406) 656-9514

RECEIVED

NOV 02 1992

DIVISION OF  
OIL GAS & MINING

COMPANY: BALCRON OIL COMPANY  
WELL: NO. 11-6 MONUMENT BUTTE - FEDERAL  
LOCATION: NWNW (1065' FNL & 1001' FWL) SEC. 6 - T9S - R17E  
DUCHESTER COUNTY, UTAH  
DEPTH LOGGED: 270' = 5704' DATE LOGGED: 1 OCT 92 = 10 OCT 92  
KB: 5333' GL: 5320'  
GEOLOGIST: ROY L. CLEMENT  
CONTRACTOR: MOLEN DRILLING CO. RIG 1  
DRILLING FLUID: FRESH WATER w/ KCL

Porosity

Oil Show

NO ICI 3355

КОНТРОЛЬНЫЙ ШТАБ

СЛУЖБА ЗАПИСИ

РЕКОМАНДАЦИИ

УСТАВ

NO ICI 3355

ОБК

LOG TOPS

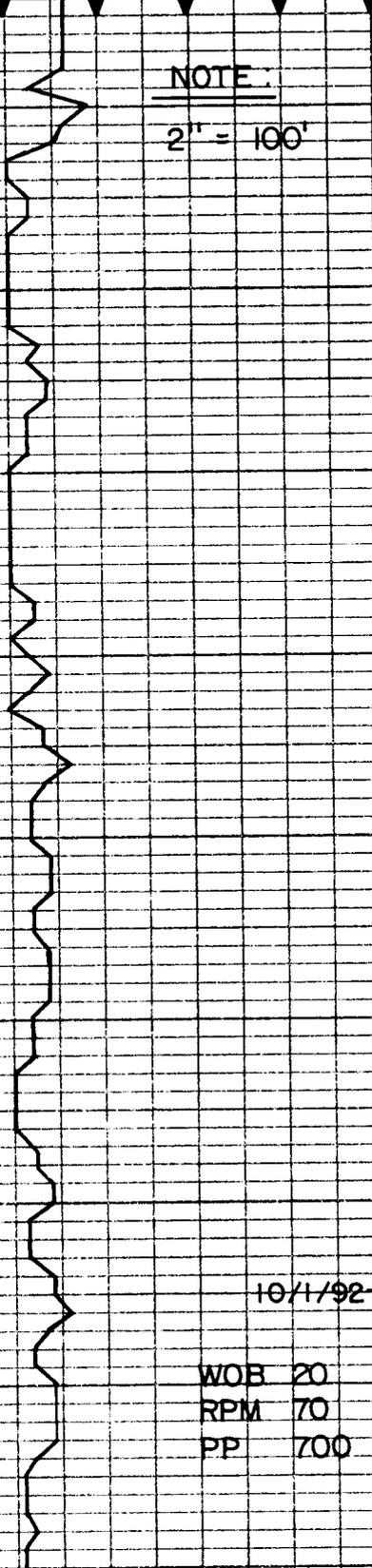
Sample Tops

API-GR

DRILL RATE (min/ft)

0 2 3 4 5

NOTE:  
2" = 100'



8 5/8" Surface Casing  
set at 268'

Drig 7 7/8" Borehole w/  
Bit 3 S88CF in at  
270'

Note: 30' samples lagged &  
caught by mudloggers from  
270' to 4700'

Sample Quality: fair to good

SH: lt-m gy, gybrn, redbrn  
ip, blk-ply, v sl calc,  
sly, occ intbd of LS: tm-  
crm, micxl, frm, chky+frag,  
arg-dol'c

SH: m-dk gygn, gy, blk,  
v sl calc ip, mica, tr Pyr,  
grdg to sltst ip, fr LS:  
crm, micxl, frm, chky, arg

SS: lt gy, S & P, m gr, ang-  
sub ang, fr srt, fr consol,  
calc, Mica

SH: lt-m gy, gybrn, sft-frm,  
blk-ply, calc, sly,  
interbeds of LS: lt brn crm,  
micxl, frm, chky, arg

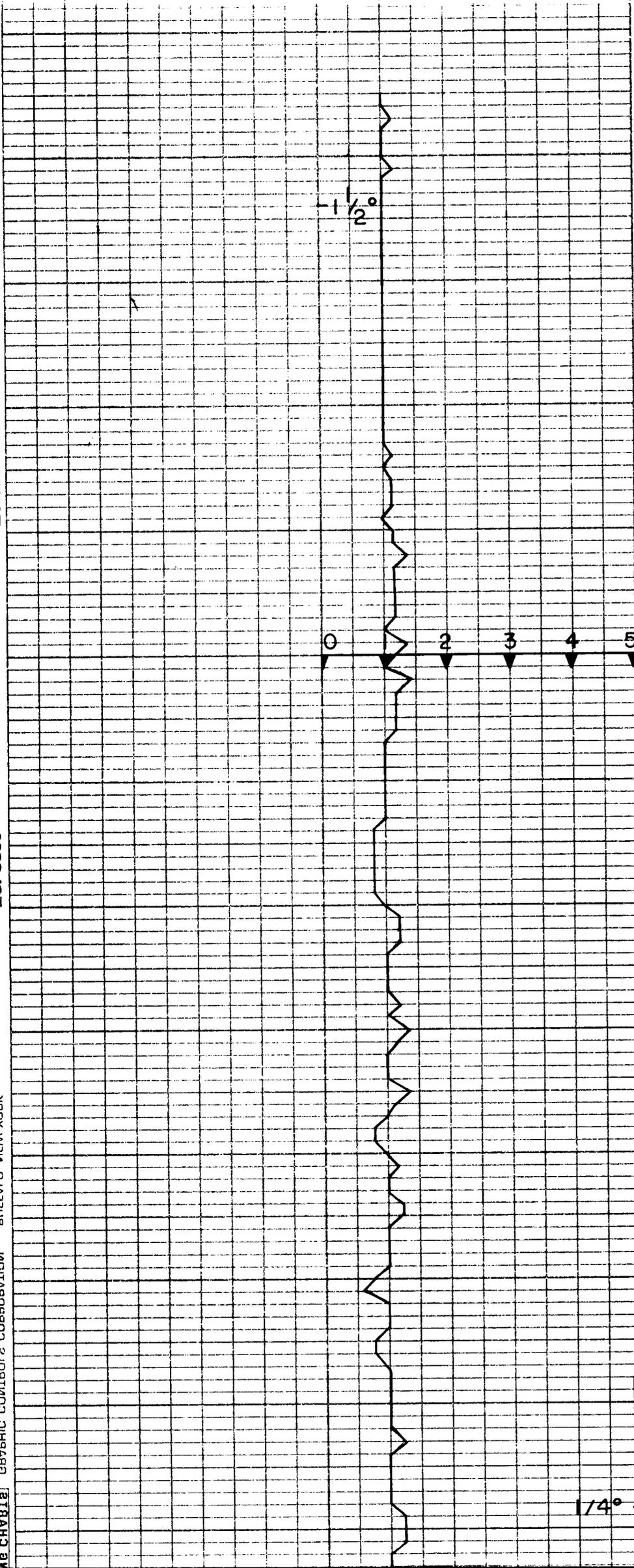
SS: lt gy wh, S & P, m-c gr,  
ang-sub ang, p-fr consol,  
fr srt, calc, Mica-Pyr,  
intbds of SH & LS, a/a

SLTST: lt-m gy, gygn, sft-  
frm, v sl calc, Mica-Pyr,  
GILSONITE: blk, frm, conc,  
bri luster

WOB 20  
RPM 70  
PP 700

10/1/92

Replace Geologist



I  
 I  
 800  
 P  
 SLTST: gy-gyn, sft-fm, sl  
 calc ip, Mica, Pyr, grdg to  
 ss  
 SS: wh-gywh, f-m gr, p srt,  
 p consol-unconsol, sub rnd-  
 900  
 SLTST: gy-gyn, sft, calc,  
 Mica  
 IS: lt brn-crm, micxl, frm,  
 dns, tr dk brn o str, dull  
 yel flor, inn bri yelwh  
 stng cut  
 P  
 1000  
 SLTST: lt-m gy, sft-fm,  
 sl calc, grdg to SS: s & p,  
 lt gy-wh, f-m gr, sub ang-  
 sub rnd, p srt, p consol-  
 unconsol, Mica, Pyr  
 P  
 SLTST: lt-m gy, sft-fm,  
 sl calc, grdg to SS ip, tr  
 1100  
 IS: tn-crm, micxl, frm, dns  
 I  
 SS: wh, s& p, f-m gr, sub  
 ang-sub rnd, p srt, p consol-  
 unconsol, grdg to sltst, blk  
 asph str, no flor, slo yelwh  
 1200  
 stng cut  
 P  
 SS: gy-gyn, sft, blk-  
 pty ip, sl calc, v silty,  
 grdg to SLTST, Mica  
 1300  
 IS: lt brn-crm, micxl, sft-  
 fm, chky-rthy, ard-silty,  
 tr vug o, dk brn o str, no  
 flor, mod yelwh stng cut  
 P  
 1/4°

RECORDED

MAILED IN 02V

NO. 101 3333

ROY WEN. QUAYLUS

NOTAROROS 2.0RTINOS CHAPAP

RECORDING 2101003333

MAILED IN 02V

SSS 101 3333

**GREEN RIVER FM  
1545' (3788')**

Green River Fm  
1555'

10/2/92

WOB 35  
RPM 70  
PP 800

+ 1/2°



1400

P

1500

1600

1700

1800

1900

sl cald, mica, fyr, qrdg to  
 SH: lt gy, blk-ply, sft,  
 cald

IS: lt-m brn, micxl, sft-  
 frm, dns-chky, arg-slt, s  
 intds of SH: lt-m gy, gygn,  
 sft, blk-ply, calc, qrdg  
 to SHST

IS: lt-m brn, cm, crp-micxl,  
 sft-frm, dns, arg

SH: m brn-gybrn, ply-bly,  
 frm v calc-marly

IS: lt-m brn, gybrn, micxl,  
 sft-frm, dns-chky, dol'c,  
 arg-shly, tr Pyr

SH: lt gy-gybrn, sft, blk,  
 calc, pet, no flor, bri yelgn  
 stng cut

IS: lt brn, cm-buf ip, mic-  
 vixl, sft-frm, arg-shly,  
 dol'c, sil ip, Pyr, dk brn-  
 blk asph stn, dull gold -  
 ong flor, inn bri yelgn stng  
 cut

NO. 10

ВУЛЫГО' ИЕМ АОРК

ИОНГАДОРОВОГО СОБЪЮВУЮИ

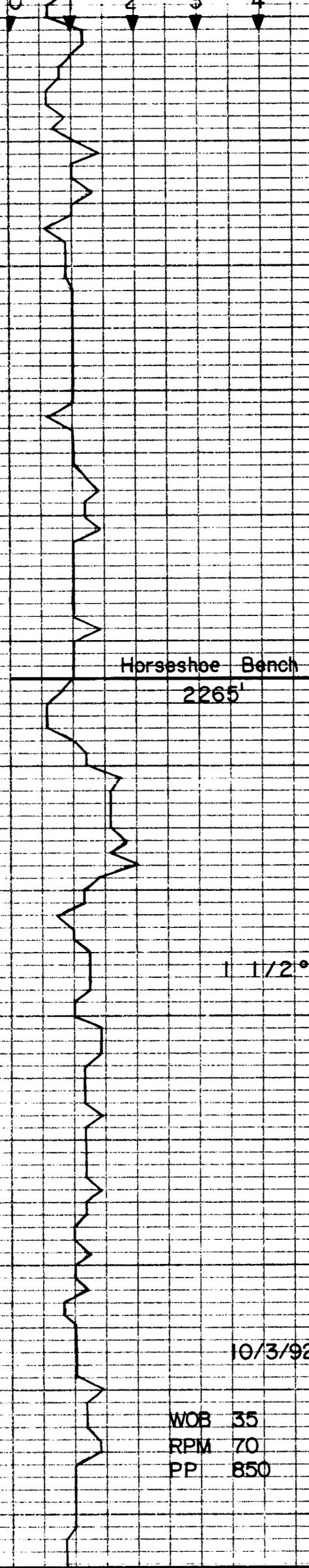
ВЕСОЮДИМ ЧАВЪЛЕ

ВУЛЫГО' ИЕМ АОРК

NO. 10: 3355

ВУЛЫГО' ИЕМ АОРК

ИОНГАДОРОВОГО



2000

2100

2200

2300

2400

2500

2600

LS: lt-m brn, crp-micxl, frm,  
dns sl chky, arg-shly, dol'e,  
sil, tr Pyr

LS: lt brn, crm ip, crp-micxl,  
frm, dns-micr, arg-shly, v  
dol'e ip, tr Pyr, intbds of  
SH: lt gybrn, frm, blkv, calc-  
mrly, pet, no flor, bri yelgn  
stng cutt

LS: lt-m brn, crm-wh ip, crp-  
micxl, sft-frm, dns-chky,  
arg-shly, dol'e ip, intbd w/  
SH: lt-m gy, gybrn, sft-frm,  
blkv-pty, calc

**HORSESHOE BENCH**  
2259' (3074')

Horseshoe Bench  
2265'

LS: lt-m gy, gybrn, micxl,  
sft-frm, dns-chky, slty-  
aren, arg, dol

SS: clr, lt brn, s & p,  
f-m gr, sub ang-sub rnd,  
p srt, fr-g consol, calc  
cmt, Mica, arg

1 1/2°

SH: gy-gybrn, frm, blkv-  
pty, calc-mrly

LS: lt-dk brn, crm ip, crp-  
micxl, sft-frm, dns-chky,  
arg-shly

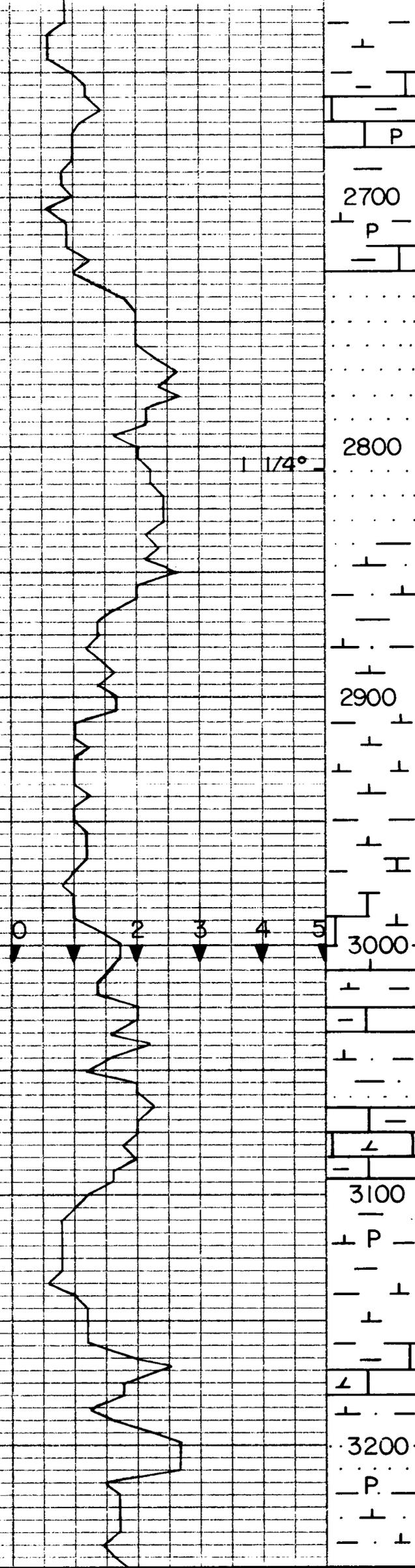
10/3/92

SH: m-dk brn, pty-blky,  
sft-frm, calc-sity

WOB 35  
RPM 70  
PP 850

LS: lt-m brn, crpxl, frm,  
dns, arg-shly, tr Pyr

SH: lt-dk brn, gybrn, pty-



blky, sft-fm, calc

IS: lt brn cm, micxl, fm, dns-micr, dol'c, arg-shly, Pyr

2700

SS: lt brn, clr, f-m gr, sub ang-sub rnd, p srt, p-fr consol, calc cnt, very p vis  $\delta$ , brn o stn, dull org flor, inn bri yelgn stng cut, oil on pits @ 2750'

2800

SS: clr, s & p, f-m gr, ecc c gr, sub rnd-sub ang, pred unconsol, p srt, brn o stn, dull org flor, inn bri yelgn stng cut

2900

SH: lt - dk brn, gybrn, sft, plty-blky, calc-mrly, pet, tr dull org flor, mod yelgn stng cut, oil on pits

3000

IS: lt gy-tn, crp-micxl, fm, dns-micr, dol'c, sl arg-slty

SH: lt-m gy, plty, sft, calc, slty, intbed of SLTST: lt gy, sft, calc, grdg to vt gr SS

3100

IS: lt gy, cm-buf, crp-micxl, fm, dns-micr, sl arg, dol'c

SH: lt-m brn, gybrn, blky-plty, sft-fm, sl calc, pet ip, tr Pyr

3200

SLTST: lt-m gy, sft, calc, tr Pyr, grdg to SS: wh-lt

NO ICI 3355

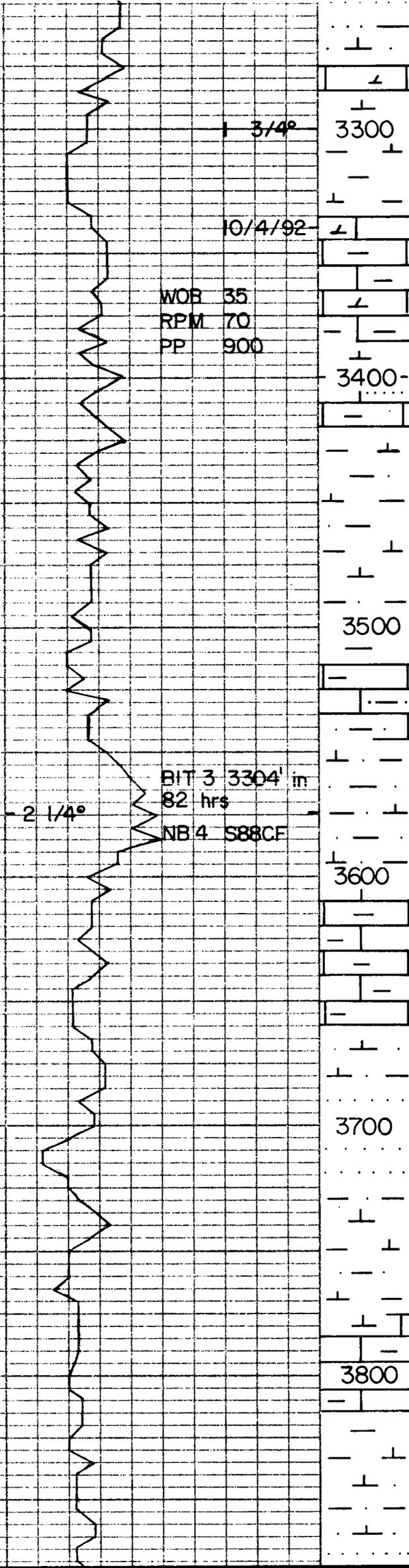
RECORDING CHART

CHARTING COMPANY'S CORP.

RECORDING CHART

PRINTED IN U.S.A.

NO ICI 3355

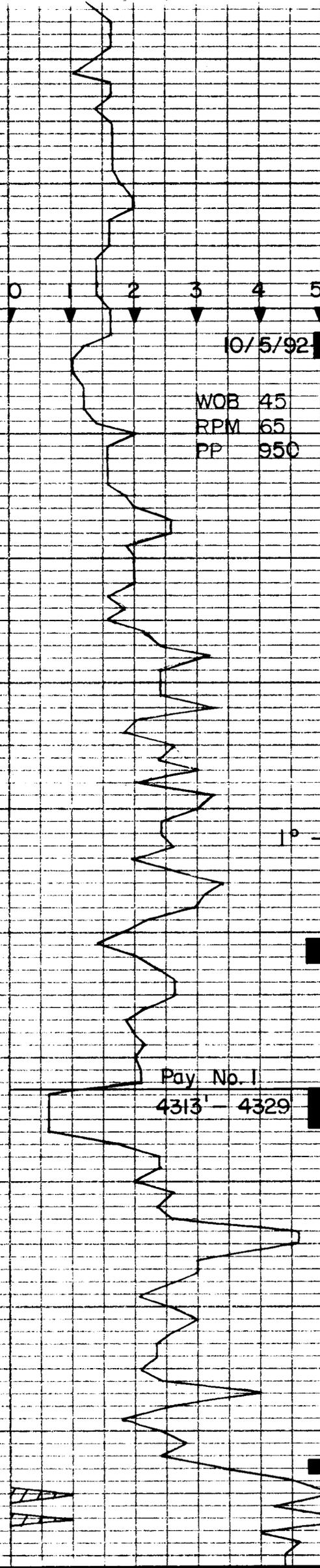


3/4°  
10/4/92

WOB 35  
RPM 70  
PP 900

BIT 3 3304' in  
82 hrs  
NB 4 S88CF

3300	fr srt, f-g consol, calc cnt, Mica
3300	SH: lt gy-gybrn, sft, plty blky, calc
3400	IS: lt brn-gybrn, crpxl, frm, dns, arg-shly, dol'd
3400	IS: cm-wh, crpxl, frm, dns chky, sl arg, aren ip
3500	SH: m-dk brn, gybrn, sft- frm, blky-plty, calc, pet, sly ip
3500	IS: lt-m brn, cm, crp-micxl, frm, dns-sl chky, arg-sly
3600	SLTST: lt-m gy, sft-frm, calc, grdg to SH ip
3600	IS: lt brn, crm-buf, crp- micxl, frm, dns-micr, sl arg-shly ip
3700	SLTST: lt-m gy, sft, calc, grdg to SS: clr, wh, s & p, f-m gr, sub ang-sub rnd, p-fr srt, fr consol, calc, Mica, Pyr, v p vis ø
3800	SH: lt-m gy, frm, plty- blky ip, sl calc, sl sly, intbd w/ IS: tn-gybrn, crpxl, frm, dns, sl arg
3800	SLTST: lt gy, sft, calc, grdg to SS: lt gy-wh, vf- f qt, sub ang-sub rnd, fr



3900 srt, fr consol, calc cnt, Mica

SS: wh-gywh, f-m gr, sub ang, p-fr srt, fr consol, calc cnt, v p vis  $\phi$

4000 SH: lt-m gy, frm, pty-blky, sl calc, slty

10/5/92

WOB 45  
RPM 65  
PP 950

SS: lt gy, gybrn, vf-f gr, sub ang-sub rnd, fr srt, p-fr consol, sl calc, p intgrn  $\phi$ , ck brn asph o stn, dull gold flor, imm yelgn stng cut

4100 SLTST: lt gy, gybrn, frm, calc, grdg to vf gr SS ip

SH: dk-brn gybrn, frm, pty-blky, calc-slty, intbds of IS

4200 SLTST: lt gy, frm, calc, gd to vf gr SS ip, tr Pyr

SS: wh, vf-f gr, sub ang-sub rnd, f srt, p consol, Pyr, Mica, calc, p intxl  $\phi$ , blk asph oil stn t/o, no flor, imm bri yelgn stng cut

4300 Pay No. 1  
4313' - 4329'

SS: wh-clr, vf-f gr, sub ang-sub rnd, fr srt, p consol-unconsol, calc, p intxl  $\phi$ , blk asph o stn t/o, no flor, imm bri yelgn stng cut

4400 SLTST: lt gy, gybrn, frm-sl hd, calc, grdg to sh ip, fr IS

SS: wh-lt brn, vf-f gr, sub ang-sub rnd, fr srt, p consol-unconsol, calc, p intxl  $\phi$ , dk brn o stn, dull yel flor,

4500

RECORDING

DATE

NO. ICI 3355

WELL NO. 014378

WELL DEPTH

WELL TYPE

DATE

355

API - GR

150

BT 4 954'  
in 37.25 hr  
NB 5  
S88F

10/6/92

NOTE:

2" = 100"  
5" = 100'

WOB 30/35  
RPM 60/65  
PP 850

imm yelwh stmg cut

SH: lt brn-gybrn, blk-pty,  
calc, frm, slty, tr IS

SH: gybrn-gy, brn, frm,  
blk-pty, calc-slty, intbd  
w/ LS: tn-crm, micxl, sft-  
frm, chky-rthy, sl arg

SI: lt-n gy, gybrn, sft-frm,  
pty-blky, calc-slty, tr  
Pyr

LS: crm-buf, micxl, sft,  
chky, arg

Note: 10' samples from  
4700' to Total Depth

DOUGLAS CREEK  
4738' (595')

Douglas Ck.  
4750'

PAY NO. 2  
4782' (551')

Pay No. 2  
4784'-4790'

LS: crm-tn, lt gybrn, micxl  
sft, chky, arg-shly, intbd  
of SS: lt gy, f-n gr, sub  
ang, fr srt, fr consol, Pyr  
tt, grdg to SLTST

SS: clr-wh, vf-f gr, med  
gr ip, sub ang-sub rnd,  
p-fr srt, p consol-uncorse  
p-fr intgran  $\phi$ , dk brn c  
str t/o, dull org-gold  
flor, imm brn yelwh stmg  
cut



PAY NO 3  
4844' (489')

Pay No. 3  
4844'-4852'

-10/7792

WOB 30/35  
RPM 60/65  
PP 850

2 3/4°

Pay No. 4  
5049' - 5059'

PAY NO.4  
5047' (285')

SH: lt-m gy, sft, plty-blky,  
calc-slty, grdg to SLTST:  
lt gy-gywh, frm, calc

SS: wh-lt gy, f-m gr, sub  
ang, p srt, fr-g consol, lt  
& w cnt'd w/ calc cnt, no  
vis  $\phi$ , no show

SH: lt-m gy, sft-frm, plty-  
blky, calc-mrly, grdg to  
SLTST ip, tr IS, Pyr

SH: lt-m gy, brn ip, frm,  
blky-plty ip, calc-slty, tr  
Pyr

SLTST: lt-m gy, frm, sl hd,  
calc, grdg to vf gr SS:  
ttly cnt'd

SS: wh-lt brn, vf-m gr, sub  
ang-sub rnd, p consol-unconsol,  
fr dk brn o stn, tr dull  
orange floor, slow velon stng  
cut

SH: lt-m brn, cybrn, sft-  
frm, plty-blky, calc, tr IS

SLTST: lt-m gy, frm, calc,  
grdg to SH: gy-brn, frm,  
blky-plty, calc-mrly, slty,  
tr IS

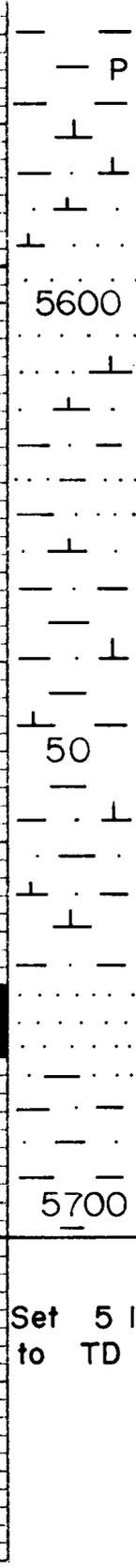
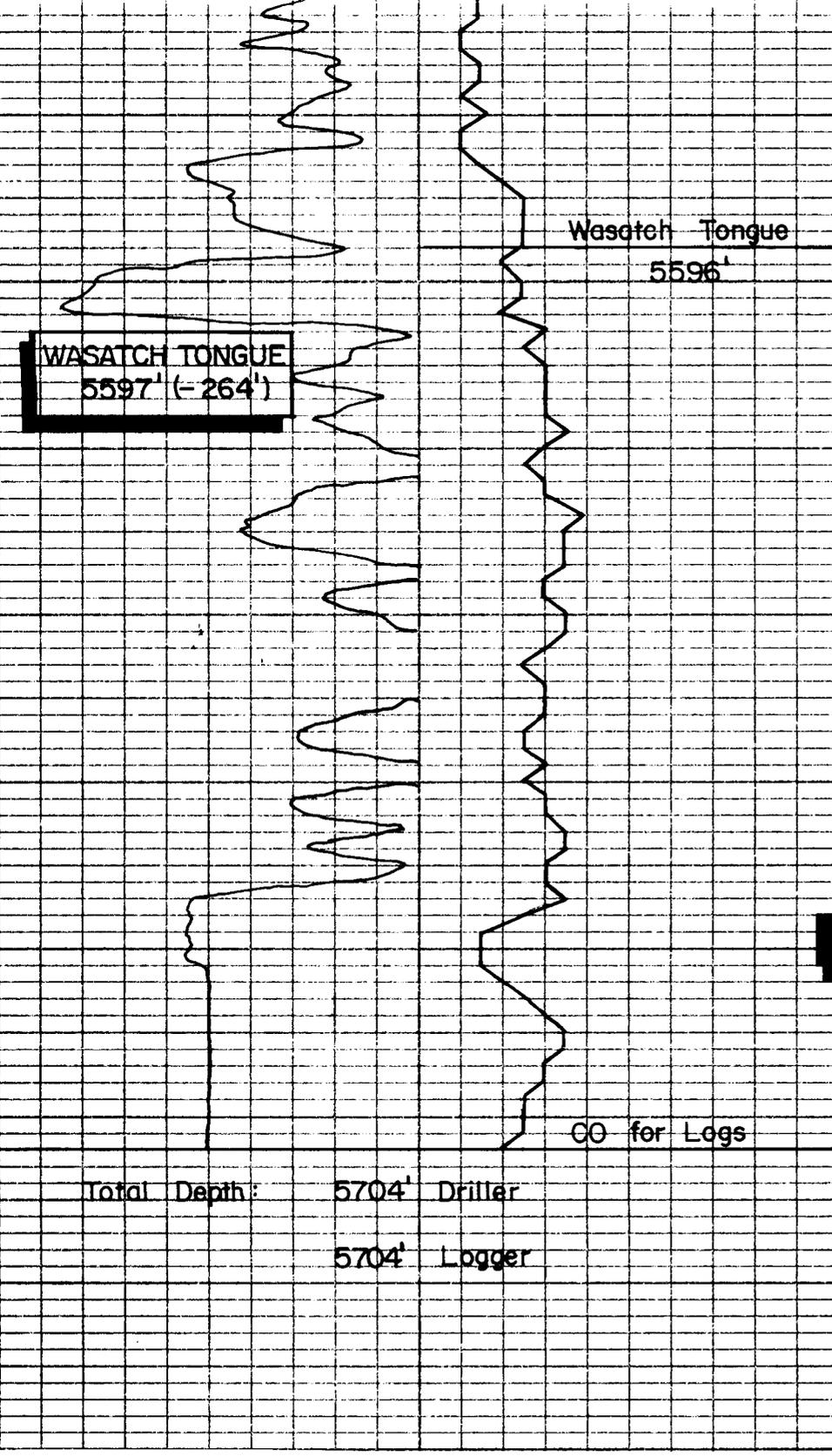
SLTST: lt-m gy, gywh, frm-  
sl hd, calc, grdg to vf gr,  
ttly cnt'd SS ip, index  
of SH: lt-m brn, frm,  
blky, calc-mrly

SS: wh-lt brn, f-m gr, sub  
ang-sub rnd, fr srt, p  
consol-unconsol, dk brn o  
stn t/c, dull vel floor,  
frm brn velon stng cut





NO. ICI 3333  
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 UNITED STATES GEOLOGICAL SURVEY  
 WASHINGTON, D.C. 20508



SLTST: lt-m ov, gywh, sft-  
 frm, calc-lmy, grdg to vf  
 SS: wh-gywh, f-m gr, sub  
 ang-sub md, p srt, fr  
 consol, tt & w cnt'd w/  
 calc cnt, no vis ø  
 SLTST: lt-m gy, gywh, frm,  
 calc, grdg to vf gr SS ip  
 SLTST: lt-m gy, frm, calc,  
 grdg to SP: lt brn, blkyl,  
 frm, v calc-early  
 SS: wh-clr, f-m gr, sub  
 md-md, p-fr srt, p consol  
 unconsol, dk brn sbty o stn  
 no flor, slow wk yelm dif  
 cut

Set 5 1/2" Production Casing  
 to TD

Total Depth: 5704' Driller  
 5704' Logger



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

RECEIVED

NOV 04 1992

DIVISION OF  
OIL, GAS & MINING

November 2, 1992

Mr. Ed Forsman  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

As we discussed, enclosed are sundry notices changing the total depth of the following wells:

Balcron Monument Federal #11-6  
Balcron Monument Federal #24-6  
Balcron Monument Federal #42-6

Those wells have already been drilled.

Also enclosed are sundry notices requesting approval to change the total depth of the following wells.

Balcron Monument Federal #33-6  
Balcron Monument Federal #24-5

Those wells have not yet been drilled.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Department of Oil, Gas and Mining

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
U-020252-A

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

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

**CONFIDENTIAL**

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104

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

NW NW Section 6, T9S, R17E  
804' FNL, 696' FWL

8. Well Name and No.

Balcron Monument Federal #11-6

9. API Well No.

43-013-31362

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input 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"/> <u>change in total depth</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.)\*

This well was permitted to a TD of 5,580'. The well was drilled to a TD of 5,704'.  
Change approved verbally by Ed Forsman.

RECEIVED

NOV 04 1992

DIVISION OF  
OIL, GAS & MINING

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

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date November 2, 1992

(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.

DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

43-013-31362

Location: NW NW Section 6, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

660' FNL, 660' FWL

PTD: 6,200' Formation: Wasatch

Green River Prospect

Elevations: 5320.38' GL

Contractor: Molen Drilling Rig #1

Operator: Balcron Oil

Spud: 9-28-92 @ 3 a.m.

Casing: 8-5/8" @ 268'

5-1/2 @ 5713'

- 9-24-92 Present Operation: Building location  
Should be moving in Molen Drilling Rig #1 tomorrow.
- 9-25-92 Present Operation: MIRT  
Finished building location. Moving in Molen Drilling Rig #1.
- 9-25-92 Present Operation: Install pit liner.  
Location & road built. Will install lines this a.m. & rig should be on location today. Had to wtr location & road.  
DC: \$13,300 CC: \$13,300
- 9-26-92 Present Operation: Start to rig up.  
Install pit liner after pulling straw down over rocks. Start hauling water, fence 3 sides of reserve pit. Get most of rig on location and unloaded.  
DC: \$5,300 CC: \$18,600
- 9-27-92 Present Operation: Rig up.  
Moving rig in & start to rig up. Get derrick on floor & change out drill line.  
DC: \$2,675 CC: \$21,275
- 9-28-92 TD: 40' (40') Day 1  
Formation: Hard Rock  
MW f/w & native mud.  
Present Operation: Repairs.  
Finish RU & drill 8-3/4" pilot hole to 40', took 3-1/2 hrs. Drill rat hole for 6 hrs, mix mud & trying to get pipe in rat hole. Put on 12-1/4" bit & ream to 40'. Start to drill & had to repair oil line on draw-works. Well spud @ 3 a.m. on 9-28-92.  
DC: \$1,590 CC: \$22,865

DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 9-29-92 TD: 270' (230') Day 2  
Formation: Shale  
MW f/w  
Present Operation: Prepare to run csg.  
Repair draw-works oil pump. Drill 12-1/4" hole, very hard. Had to make trip, bit locked up. Bolt shook out of btm of rotary table & got down hole. Got out of hard rock into shale at about 200'. Drill to 270', circ, make wiper trip & circ. TOH to run 8-5/8" pipe.  
DC: \$3,660 CC: \$26,525
- 9-30-92 TD: 270' (0') DAY 3  
Formation: Shale  
Present Operation; Repair BOP.  
RU & run 6 jts 8-5/8", 24# csg. Cmt & get good circ throughout job. Approximately 12 bbls cmt return. Did not fall back. WOC. Weld on head, did not hold pressure. Bushing from rebuilding leaked. Weld bushing & test OK. NU, test manifold - OK. BOP pipe & blind ram will not test. Start to replace valve. Five 8-5/8", 24#, J-55 csg, one insert float landed @ 268'.  
DC: \$7,030 CC: \$33,555
- 10-1-92 TD: 625' (355') Day 4  
Formation: Shale & Sand  
MW f/w  
Present Operation: Drilling  
Replace blind & pipe ram. Csg would not hold 1500#. Run packer in hole to 220' & test OK to 1500#. Manifold all valves & BOP tested to 2000#. Csg tested to 1500#. BLM man, Ray Arnold. Drill mouse hole, GIH, drill cmt & shoe, drill ahead.  
DC: \$8,500 CC: \$42,055
- 10-2-92 TD: 1,618' (993') Day 5  
Formation: Green River  
MW f/w  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
Sample top: Tgr - 1555' (+3778') 34' high to #12-6  
DC: \$12,416 CC: \$54,471

DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

- 10-3-92 TD: 2,536' (918') Day 6  
Formation: Horseshoe Bench  
MW 8.4 VIS 27 pH 11  
Present Operation: Drilling  
Drill & survey. Had to take top section of stand pipe down & replace 1/2 union. Drill, survey & clean on rig.  
Background Gas = 100 units.  
DC: \$14,541 CC: \$69,012
- 10-4-92 TD: 3,339' (803') Day 7  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, survey, weld, & clean on rig.  
Background Gas = 48 units.  
DC: \$11,422 CC: \$80,434
- 10-5-92 TD: 4,015' (676') Day 8  
Formation: Green River  
MW 8.6 VIS 27 pH 11  
Present Operation: Drilling  
Drill, LD 11 jts drill pipe. Trip for bit. SLM. PU 12 jts wt pipe, TIH & wash to btm and drill ahead. Trip Gas = 450 units. Background Gas = 30-40 units.  
DC: \$10,532 CC: \$90,966
- 10-6-92 TD: 4,514' (499') Day 9  
Formation: Green River  
MW 8.5 VIS 26 pH 9.8  
Present Operation: Drilling  
Drill, survey, & clean on rig. Unload 130 jts 5-1/2" csg. Pay #1 - 4313'-29' (good oil shows). 190 units of gas. Background Gas - 15-20 units.  
DC: \$7,788 CC: \$98,754
- 10-7-92 TD: 4,887' (373') Day 10  
Formation: Green River  
MW 8.5 VIS 26 pH 12  
Present Operation: Drilling  
Drill, trip for bit, wash to btm, survey, and drill.  
Background gas - 15-20 units.  
DC: \$6,456 CC: \$105,210
- 10-8-92 TD: 5,230' (343') Day 11  
Formation: Green River  
MW 8.6 VIS 27 pH 9.8  
Present Operation: Drilling  
Drill, survey, and clean on rig.  
DC: \$6,156 CC: \$111,366

DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 10-9-92 TD: 5,526' (296') Day 12  
Formation: Green River  
MW 8.5 VIS 26 pH 9.8  
Present Operation: Drilling  
Drill, circ btm up, trip for bit, & survey. Back to  
drilling & clean on rig.  
DC: \$5,197 CC: 116,563
- 10-10-92 TD: 5,704' (178') Day 13  
Formation: Green River  
MW 8.5 VIS 25 pH 9.8  
Present Operation: Prepare to LD DP.  
Drill, survey, circ for logs. TOH, log well, TIH, circ  
btm up. RU to LD DP. SLM - 5706'; Board - 5704';  
Loggers' - 5704'. TD @ 2:45 p.m. 10-9-92.  
DC: \$14,526 CC: \$131,089
- 10-11-92 TD: 5,704' (0') Day 14  
Formation: Green River  
Present Operation: Rig Down  
LD DP, wt pipe & drill collars. RU & run 5713' 5-1/2"  
csg, cmt csg, nipple down & clean tanks. Set slips & cut  
pipe off. Csg landed @ 5703', plug back TD - 5653'.  
Cmt'd w/206 sxs hifil & additives + 495 sxs Class "G" +  
additives. Plug down @ 7 p.m. Release rig @ 11 p.m. 10-  
10-92.  
DC: \$63,181 CC: \$194,290
- WO completion - Will drop from report until further  
activity.
- 10-13-92 Completion  
Clean location & set anchors.
- 10-15-92 Completion  
Weld on bell nipple & install tbg head.
- 10-19-92 Completion  
MIRU pulling unit. NU BOP. PU bit & scraper & single  
tbg in hole. 183 jtsw PBT 5655'. Roll holew/2% KCl wtr  
& trip tbg out of hole. SDFN.  
DC: \$1,935 CC: \$199,489
- 10-20-92 Completion  
Shut down WOO. Spot 4 frac tanks & start hauling wtr.  
DC: \$0 CC: \$199,489

DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 10-21-92 Completion  
RU Schlumberger & run bond log & collar log. Top of cmt @ 800'. Make 3 runs to perforate on shot each. 5208, 5215, 5288, 5293, 5298, 5303, 5313, 5316, 5321, 5327, 5332, 5336. Run arrow H O packer & 163 jts tbg. Set packer @ 5050'+/-. Break down w/Dowell. Break down @ 3200# & get reate of 6 bbls/min @ 2750#. Drop 35 balls & see 5 or 6 balls & ball off. Surged a few times & pump 8 more bbls & ball off again. Surge balls off get rate of 6.3 bbls/min @ 2600#. ISIP - 1050#; 5 min - 1000#. Total load to recover 83 bbls. 2% KCL wtr. Flowed back 23 bbls & start swabbing. Make 6 pulls & recover 24-1/2 bbls. Last pull 100' wtr w/about 2% oil & a little gas. SWI & SDFN. Total recovered 47-1/2 bbls.  
DC: \$24,485 CC: \$223,974
- 10-22-92 Completion  
TP - 12#, fluid level - 4500'. 450' fluid approximately 80% oil. Pull swab, 1 run per hr until 3:30 p.m. & recover 2-1/2 bbls. Total for day. SWI. SDFN.  
DC: \$1,240 CC: \$225,214
- 10-23-92 Completion  
TP - 25#, FL - 100'. Got out with about 15 gals of oily wtr. LD swab. Pump 20 bbls KCL wtr down tbg & release packer. TOH w/tbg & packer. Tighten BOP flange. SWI. SDFN.  
DC: \$645 CC: \$225,790
- 10-24-92 Completion  
RU Western & frac perf 5208'-5336' down csg. Average pressure 3100#, average rate 300 bbls/min. ISIP - 1850#, 5 min - 1800#, 10 min - 1780#, 15 min - 1710#. RU Schlumberger & run & set wireline, set apcker. Perf @ 4781', 83, 85, 87, 90 - 5 holes. Could not break down @ 5000#. Run tbg in hole & spot 750 gals 15% acid. Pull tbg out. Break down @ 1500#. Average pressure 2700#, average rate 15 bbls/min. Screen out w/6 bbls flush left. ISIP - 4980#, 5 min - 1540#, 10 min - 1280#, 15 mins - 1140#. SWI. SDFN.  
DC: \$21,021 CC: \$246,811
- 10-25-92 Completion  
Well shut-in after frac. 11:30 a.m. pressure - 375#;  
5:30 a.m. pressure - 300#.  
DC: \$195 CC: \$247,006

DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 10-26-92 Completion  
Pressure - 175#. Bled right off. TIH w/packer retrieving head & tbg, tag sand @ 4330'. Put on Hydraulic stripping head from oil field rental & seal was out of it. Wait for another to be delivered. Circ sand to packer & have hard time getting tool to latch. Relatch onto packer & TOH. Put on Arrow HD packer & TIH to 4665' & set packer. Get ready to swab. SDFN.  
DC: \$2,210 CC: \$249,216
- 10-27-92 Completion  
TP - 10#, FL - 300'. Swab steady to 12:00 noon & FL @ 2650'. Recovered 107 bbls fluid. Start to cut 40% oil. 2 p.m. FL 3900' - 7-1/2 bbls. 3 p.m. FL 4650' - 5 bbls. 4 p.m. FL 4650 - 6 bbls (oil cut 60%, fairly gassy). 5 p.m. FL 4650 - 6 bbls (oil cut 65%, fairly gassy). SWI & SDFN. Total swabbed 131 bbls. Frac fluid to recover 709 bbls.  
DC: \$1,556 CC: \$250,077
- 10-28-92 Completion  
TP - 175#, FL - 1700'. Swab 40 bbls 90-95% oil. Release packer, & TOH. LD packer & TIH w/notched collar on end of tub. Tag sand @ 5385'. TOH & RU Schlumberger & run Gamma Tracer Log. Sand went in all perms & stayed in zone. Rig loggers down & SWI. SDFN. Total swabbed 2 day 171 bbls. Heated & moved 130 bbls oil to 12-6 battery.  
DC: \$3,161 CC: \$253,933
- 10-29-92 Completion  
Start in w/production tbg. POOH & run retrievable bridge plug & arrow HD packer. Set BP @ 5245' & packer @ 5190'. Pressure up to 3200# w/rig pump & couldnot break down perms @ 5208' & 5215'. Call Western out w/pump truck & 250 pump truck & 250 gals 15% HCL. Spot acid over perms & could not break perms @ 5500#. SWI w/5500# to soak til a.m. SDFN.  
DC: \$4,160 CC: \$258,093

DAILY OPERATING REPORT

BALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

10-31-92 Completion

TP - 0#. Start pumping perms, start taking fluid @ 3800#. Pump add away & displace w/12 bbls. Average pressure 5200# @ 3.7 BPM. ISDP - 1400#, 5 min 200#, 10 min 100#, 15 min 0 to slight vac. Rig down Western & release packer. Latch onto bridge plug & TOH. Run production string & nipple down BOP. SWI & rig pulling unit down. Run 151 jts 2-7/8" tbg, w/notched collar, seating nipple, 1 jt 2-7/8" tbg. Tbg set @ 4707.73'.  
DC: \$2,332 CC: \$260,425

11-4-92

Completion

MIRU pulling unit. Haul rods from Monument Federal #22-6. Run pump & rods, space pump out & RDMO. 1-1/2 x 22 polish rod, (4) 3/4 subs, 4'-4'-8'-2' 161 3/4 slick rods. (24) 3/4 scraper rods, 2-1/2 x 1-1/4 x 21' top hold down pump.  
DC: \$580 CC: \$261,005

DAILY OPERATING REPORTBALCRON MONUMENT #11-6

Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 10-31-92 Completion  
TP - 0#. Start pumping perfs, start taking fluid @ 3800#. Pump add away & displace w/12 bbls. Average pressure 5200# @ 3.7 BPM. ISDP - 1400#, 5 min 200#, 10 min 100#, 15 min 0 to slight vac. Rig down Western & release packer. Latch onto bridge plug & TOH. Run production string & nipple down BOP. SWI & rig pulling unit down. Run 151 jts 2-7/8" tbg, w/notched collar, seating nipple, 1 jt 2-7/8" tbg. Tbg set @ 4707.73'.  
DC: \$2,332 CC: \$260,425
- 11-4-92 Completion  
MIRU pulling unit. Haul rods from Monument Federal #22-6. Run pump & rods, space pump out & RDMO. 1-1/2 x 22 polish rod, (4) 3/4 subs, 4'-4'-8'-2' 161 3/4 slick rods. (24) 3/4 scraper rods, 2-1/2 x 1-1/4 x 21' top hold down pump.  
DC: \$580 CC: \$261,005
- 11-10-92 Completion  
Complete hook up. Balance pumping unit. Start pumping @ 4-1/2 SPM - 64" stroke.  
DC: \$9,914 CC: \$270,919



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

November 12, 1992

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

Gentlemen:

RE: Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah

Enclosed is our sundry notice reporting first production  
on the referenced well.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining

RECEIVED

NOV 16 1992

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
U-020252-A

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

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

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NW NW Section 6, T9S, R17E  
804' FNL, 696' FWL

8. Well Name and No.  
Balcron Monument Federal #11-6

9. API Well No.  
43-013-31362

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

11. County or Parish, State  
Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>1st production</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

First production on this well was November 10, 1992.

RECEIVED

NOV 16 1992

DIVISION OF  
OIL, GAS & MINING

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

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

Coordinator of Environmental  
and Regulatory Affairs

Date 11-12-92

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.

INJECTION WELL APPLICATION`

REVIEW SUMMARY

Applicant: BALCRON OIL Well: 11-6

Location: section 6 township 9 SOUTH range 17 EAST

API #: 43-013-31362 Well Type: disp. enhanced recov. X

If enhanced recovery has project been approved by the Board ? NO

Lease Type: FEDERAL Surface Ownership: BLM

Field: MONUMENT BUTTE Unit: \_\_\_\_\_ Indian Country: YES

UIC Form 1: YES Plat: YES Wells in AOR: 3P,4I,1PA

Logs Available: YES Bond Log: \_\_\_\_\_

Casing Program: ADEQUATE

Integrity Test: AT TIME OF CONVERSION

Injection Fluid: FRESH WATER

Geologic Information: DOUGLAS CREEK MEMBER OF GREEN RIVER FORMATION,

Analyses of Injection Fluid: NO Formation Fluid: YES Compat. NO

Fracture Gradient Information: .861PSIG/FT Parting Pressure 2500 PSI

Affidavit of Notice to Owners: YES

Fresh Water Aquifers in Area: THERE ARE NO USDW'S IN AREA

Depth Base of Moderately Saline Water: 4800-5000 MEAN SEA LEVEL

Confining Interval: GREEN RIVER AND WASATCH SHALES

Reviewer: D. JARVIS Date: 11-24 -92

Comments & Recommendation WELL IS BEING DRILLED, MIT AT TIME OF CONVERSION NEED ANALYSIS OF INJECTION FLUID AND NEED BOND LOGS.

Monument Federal #11-6  
(Proposed Location)  
NW NW Sec. 6, T9S, R17E  
Lease No. U-020252A  
MONUMENT BUTTE FIELD  
DUCHESNE CO., UTAH

Proposed Injection Well Completion Diagram

89  
BALCRON OIL  
7-20-92

SURFACE CASING

8 5/8", K-55, 24#  
Landed @ 260' KB  
Cemented w/250 sx, Class-G, 3% CaCl.  
Cemented to surface.  
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5#  
Landed @ 5580' KB  
Cement Data:  
250 sx Hifill w/10#/sx Gilsonite  
tailed w/180 sx 50-50 poz w/0.3%  
CFR-3, 1/4#/sx Flocele, 0.5% Halad-24  
& 10% Salt.  
Cemented to surface.  
Hole Size @ 7 7/8"

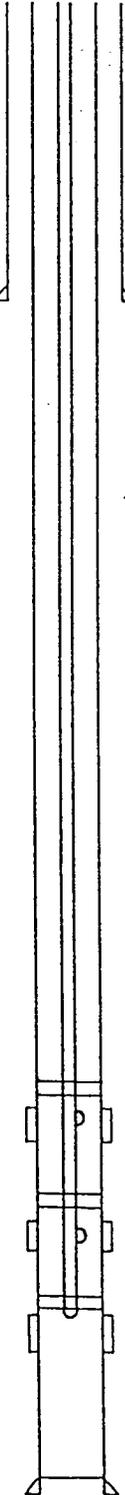
TUBING & PACKERS

2 3/8", J-55, 4.7#  
Landed @ 5280' KB

Retrievable Csg Tension Packer  
Landed @ 5284' KB

Tandem Tension Packer Landed @ 5050' KB  
Tandem Tension Packer Landed @ 4750' KB

Wireline retrievable downhole flow  
regulators set to control the flowrate  
into each injection zone.



- Uintah Formation Surface to 1400 ft.

- Green River Formation 1400 to 4100 ft.

- Douglas Creek Member 4100 to 5350 ft.  
- Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5580' KB

TD @ 5600' KB

PROPOSED PERFORATIONS

4770' - 4780' (10') 2 SPF  
5070' - 5090' (20') 2 SPF  
5300' - 5320' (20') 2 SPF  
100 Holes

**RECEIVED**

DEC 10 1992

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7

DIVISION OF  
 OIL, GAS & MINING

1. Well name and number: Balcron Monument Federal #11-6  
 API number: 43-013-31262 31262

2. Well location: QQ NW NW section 6 township 9S range 17E county Duchesne

3. Well operator: Balcron Oil  
 Address: P.O. Box 21017 phone: (406) 259-7860  
Billings, MT 59104

4. Drilling contractor: Molen Drilling  
 Address: P.O. Box 2222 phone: (406) 252-2591  
Billings, MT 59103

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

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

6. Formation tops: See Geologic Report to be sent separately.

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

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

Name Bobbie Schuman Signature Bobbie Schuman  
 Title Coordinator of Environmental Date December 7, 1992  
and Regulatory Affairs

Comments:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.  
Fed. #U-020252-A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 1b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESV.  (See Note)

2. NAME OF OPERATOR  
BALCRON OIL

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 1015' FNL, 1001' FWL  
 At top prod. interval reported below  
 At total depth

RECEIVED  
DEC 10 1992

DIVISION OF  
OIL, GAS & MINING

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

7. UNIT AGREEMENT NAME  
n/a

8. FARM OR LEASE NAME  
Balcron Monument Federal

9. WELL NO.  
#11-6

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
NW NW Sec. 6, T9S, R17E

14. API NO. 43-013-31362 DATE ISSUED 6/25/92  
 12. COUNTY Duchesne 13. STATE UTAH

15. DATE SPUNDED 9/28/92 16. DATE T.D. REACHED 10/10/92 17. DATE COMPL. (Ready to prod.) 10/29/92 (Plug & Abd.)  
 18. ELEVATIONS (DF, RES. AT, CR, ETC.) 5,580' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5,704' 21. PLUG BACK T.D., MD & TVD 5,653'  
 22. IF MULTIPLE COMPL. HOW MANY 23. INTERVALS DRILLED BY sfc-TD ROTARY TOOLS  
 CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4,781'-5,336' Green River  
 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN POROSITY 10-14-92, 11-17-92  
 DIL FDC CNL GR CALIPER, MUD LOG, CBL  
 WELLS WELL CORED YES  NO  (Submit analysis)  
 DRILL STEM TEST YES  NO  (See reverse side)

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#	268'	12-1/4"	190 sx G w/add.	none
5-1/2"	15.5#	5,703'	7-7/8"	206 sx hifill, 495 sx G all w/add.	none

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCACEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					1-7/8"	4,708'	n/a

31. PERFORATION RECORD (Interval, size and number)

4781', 4783', 4785', 4787', 4790', 5208',  
 5215', 5288', 5293', 5298', 5303', 5313',  
 5316', 5321', 5327', 5332', 5336'  
 all w/4: casing gun

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5,208'-5,336'	38,500# 20/40 sand & 4517# 16/30 sand in 14,288' gals. gelled water
4,781'-4,790'	27,483# 16/30 sand in 7224 gals. gelled water

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
11/10/92	Pumping	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
11/22/92	24	n/a	→	21	20	2	.952
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	21	20	2	34	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used on lease  
 TEST WITNESSED BY Steve Hanberg

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 Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE 12/7/92  
 Bobbie Schuman

See Spaces for Additional Data on Reverse Side

## INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

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				
				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; padding: 2px;">Meas. Depth</th> <th style="width: 50%; padding: 2px;">True Vert. Depth</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 5px;">See Geologic Report sent separately.</td> </tr> </tbody> </table>	Meas. Depth	True Vert. Depth	See Geologic Report sent separately.	
Meas. Depth	True Vert. Depth							
See Geologic Report sent separately.								
No DSTs run								



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

RECEIVED

DEC 10 1992

DIVISION OF  
OIL GAS & MINING

December 7, 1992

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

Gentlemen:

Enclosed are the Well Completion Reports and the Reports of  
Water Encountered for the following wells:

Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #24-6  
SE SW Section 6, T9S, R17E  
Duchesne County, Utah

Balcron Coyote Federal #13-5  
NW SW Section 5, T8S, R25E  
Uintah County, Utah

Balcron Coyote Federal #13-7  
NW SW Section 7, T8S, R25E  
Uintah County, Utah

Federal #13-13  
NW SW Section 13, T8S, R24E  
Uintah County, Utah

Balcron Coyote Federal #33-5  
NW SE Section 5, T8S, R25E  
Uintah County, Utah

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

**BALCRON OIL****WELL REPORT**

WELL NAME: Balcron Monument Federal #11-6  
 FIELD: Monument Butte  
 FEDERAL LEASE NO.: U-020252A  
 LOCATION: NW NW Sec. 6, T9S, R17E  
 COUNTY/STATE: Duchesne, UT  
 WORKING INTEREST: 1.00  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE:  
 INITIAL PRODUCTION:  
 OIL/GAS PURCHASER:  
 PRESENT PROD STATUS:  
 ELEVATIONS - GROUND: 5320'  
 TOTAL DEPTH: 5704' KB

API NO.: 43-013-31362

NET REVENUE INT.: 0.825

SPUD DATE: 9-28-92  
 OIL GRAVITY:  
 BHT: 151 Deg. F  
 DATE: 11-30-92  
 KB: 5333' (13' KB)  
 PLUG BACK TD: 5653' KB

**SURFACE CASING**

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: K-55  
 WEIGHT: 24 lbs.  
 LENGTH: 259'  
 DEPTH LANDED: 272'  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 190 sx of 75% Class-G &  
 25% Litpoz.  
 Cemented to surface.

**PRODUCTION CASING**

STRING: 1  
 CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5713'  
 DEPTH LANDED: 5703' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 206 sx hifill & 495 sx  
 Class-G w/additives.  
 CEMENT TOP AT: 800' from CBL

**TUBING RECORD**

SIZE/GRADE/WT.:  
 NO. OF JOINTS: LENGTH:  
 TUBING LANDED AT:  
 TUBING ANCHOR:  
 SEATING NIPPLE:  
 PERF. SUB:  
 MUD ANCHOR:  
 PACKER:

**PERFORATIONS**

4781', 4783', 4785', 4787', 4790' w/one shot each.  
 5208', 5215', 5288', 5293', 5298', 5303', 5313',  
 5316', 5321', 5327', 5332', 5336' w/one shot each.

**ACID JOB**

4781'- 4790' would not break w/5000 psig,  
 spot 750 gals 15% Hcl acid down tbg, BD @ 1500 psig.  
 5208'- 5336' breakdown w/2% KCL water, BD @ 3200 psig,  
 6.0 BPM @ 2750 psig, ISIP @ 1050 psig.

**SUCKER ROD RECORD**

PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 PUMPING UNIT SIZE:  
 PRIME MOVER:

**FRAC JOB**

4781'- 4790' Frac w/Western down csg, avg. 15 BPM  
 @ 2700 psig, screen out w/six STB flush left,  
 ISIP @ 4980 psig, 5 min @ 1540 psig, 10 min @ 1280 psig,  
 15 min @ 1140 psig.  
 5208'- 5336' Frac w/Western down csg, avg. 30 BPM  
 @ 3100 psig, ISIP @ 1850 psig, 5 min @ 1800 psig,  
 10 min @ 1780 psig, 15 min @ 1710 psig.



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

CONFIDENTIAL

RECEIVED

DEC 17 1992

DIVISION OF  
OIL GAS & MINING

December 15, 1992

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

Gentlemen:

Enclosed for your information are copies of the Federal sundry notices showing our intent to recomplete the following wells for injection in our Monument Butte pilot waterflood project.

Allen Federal #13-6  
Allen Federal #22-6  
Balcron Monument Federal #24-6  
Balcron Monument Federal #11-6  
Allen Federal #1  
Allen Federal #23-6  
Allen Federal #12-6

If you have any questions or need further information, please let us know.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
U-020252-A

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

SUBMIT IN TRIPLICATE

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
Balcron Monument Federal #11-6

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY (Balcron Oil Division)

9. API Well No.  
43-013-31362

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

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River  
11. County or Parish, State  
Duchesne County, UTAH

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE NW Section 6, T9S, R17E  
1005' 1001'  
804' FNL, 696' FWL

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

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

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

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

Operator intends to perform a recompletion for a waterflood on this well in accordance with the attached Waterflood Recompletion Procedure. Also attached is a Well Report which gives further details of the well. Work will begin immediately.

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining  
Date: 12/30/92  
By: [Signature]

RECEIVED  
DEC 17 1992  
DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Sobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date December 14, 1992  
(This space for Federal or State Office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: Federal Approval of this Action is Necessary

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.

Balcron Oil  
Monument Butte Fed. #11-6  
Sec.6 Twn.9S Rge.17E  
Duchesne County, Utah

Waterflood Recompletion Procedure

- 1.) Move in and rig up completion rig.
- 2.) Trip out of hole laying down rods and pump.
- 3.) Nipple up BOP. Trip out with 2 7/8" tubing.
- 4.) Pick up bit and scraper. Trip in hole to 5350'. Circulate casing with hot 2% KCl water. Trip out with bit and scraper.
- 5.) Trip in hole with injection packer assembly. Set packers and nipple up injection head. Load casing with packer chemical. Preform MIT on casing.
- 6.) Rig down and move off completion rig.

Casing:

5703', 5 1/2", 15.50 #/ft, J-55  
PBSD = 5653' KB

Tubing:

152 Joints (4695.93'), 2 7/8", 6.4 #/ft, J-55

Rods:

161 - 3/4" X 25'      plain rods  
24 - 3/4" X 25'      Scrapered rods



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

IN REPLY REFER TO:

Phone (801) 789-1362

FAX (801) 789-3634

### MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Company Name: Balcron Oil Date: 1-7-92  
 Well Name: Monument Federal #11-6 Lease Permit No. UTU-020252A  
 Field Name: Monument Buttes County: Duchesne  
 Well Location: Lot-4 Sec 6 T 95 R 17E  
 Well Type: SWD ER  2H Other:  
 Type of Packer: See Below Packers Total Depth:           
 Packer Set at (depth):          FT  
 Surface Casing Size: 8 5/8, 10.5, 13 1/2" From: 201 GL FT to Surface FT  
 Casing Size: 5 1/2, 7.5, 10" From: 117 GL FT to Surface FT  
 Tubing Size: 3 1/2, 4.5, 6" Tubing Pressure during Test: 0 psig  
 Time of Day: 4:20 am/pm

Fluid in Annulus: Champion Chemical, Cartron-2383 mixed 55gal to 70 bbl 2% KCl water

Test #1

Test #2

Notes:

Time	Test #1 (psig)	Test #2 (psig)	Notes
11:30 AM Min:	590	650	Packers -
5	586	650	Arrows Set-1
10	580	64A	Set @ 5250
15	575	620	Arrows Hydro-4
11:50 → 20	570	610	Set @ 5013
3.39% loss			Arrows Hydro-1
11 20 minute			Set @ 4718
35			
40			
45			
50			This well was
55			capped w/ 4 bbl's
60			diesel fuel to
			prevent freeze up

Note: Test failed due to tbg leak, MIRA Pulling unit & repaired 1-12-92

Test Conducted by: Allniter Hot Oil Service - Pat Wisener

Inspected by: John Jelliti - Balcron Jerry Barnes - BLM

Others Present: Steve Hamburg - Balcron John Berrier - State of Utah  
Dan Jarvis - State of Utah

WELL PROFILE

OPERATOR BALCRON OIL Co  
 WELL # MONUMENT FED 11-6  
 FIELD MONUMENT BUTTE  
 COUNTY DUCHESNE  
 STATE UTAH  
 DATE 1-5-93  
 NEW COMPLETION  WORKOVER

	Casing	Linear	Tubing
SIZE	5/2		2 7/8
WEIGHT	K55		6.4
GRADE	J55		J55
THREAD			8 PAD
DEPTH	TD		

ITEM NO.	EQUIPMENT AND SERVICES	KB13	- 0 -
1	6' J-55 TUBING SUB	6.00	13.00
2	154 JTS 2 7/8 J-55 TUBING	4689.73	19.00
3	2 7/8 ON-OFF TOOL 2.250 PROFILE	2.00	4708.73
4	2 7/8 X 2 3/8 RWE X-OVER	.40	4710.73
5	5 1/2 X 2 3/8 HYDROW 1 PACKER	7.25	4711.13
6	3 JTS 2 3/8 J-55 TUBING	95.52	4718.38
7	KBMM SIDE POCKET MANDREL	6.35	4813.90
8	7 JTS 2 3/8 J-55 TUBING	220.54	4820.25
9	5 1/2" X 2 3/8 HYDROW 4 PACKER	2.44	5040.79
10	6 JTS 2 3/8 J-55 TUBING	189.12	5043.23
11	KBMM SIDE POCKET MANDREL	6.35	5232.35
12	8' SUB 2' SUB J-55 DUP JOINT	10.00	5238.70
13	5 1/2 X 2 7/8 ARROW SET 1 PACKER	6.20	5248.70
14	3 JTS J-55 TUBING 2 3/8	94.88	5254.90
15	KBMM SIDE POCKET MANDREL	6.35	5349.78
16	10' J-55 TUBING SUB	10.00	5356.13
17	2 3/8 X-H BULL PLOG	.50	5366.13
	END OF TBG		5366.63
A	1" INJECTION VALVE WITH 3/8" ORFACE		
	SN @ 2.25" ID		

471  
 4781  
 4790  
 5040  
 5288  
 5212  
 5248  
 5283  
 5336

COMMENTS:

SET PACKERS AND ANN. DIDNT TEST  
 PICK UP ON TBG AND TRY TO GET OFF ON-OFF  
 TOOL. LOST ALL THE LEFT HAND TORQUE TUBING  
 WAS BACKING OFF TORQUE TUBING TO RIGHT  
 AND LAID IN WELL HEAD TEST CSG HELD 625#  
 FOR 1 HOUR  
 - Hydraulic set packers  
 ALL DEPTHS TO TOP OF TOOLS

PREPARED BY Marty Nerlino OFFICE VERNAL PHONE 801-789-7121

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 reenter a well. Use "APPLICATION FOR PERMIT—" for such proposals.

**RECEIVED**

SUBMIT IN TRIPLICATE

MAR 01 1993

1. Type of Well  
 Oil Well     Gas Well     Other    Water Injection

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)  
NW NW Section 6, T9S, R17E  
1604.94' FNL, 1001.13' FWL

5. Lease Designation and Serial No.  
U-020252A

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

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

8. Well Name and No.  
Balcron Monument Fed. 11-6

9. API Well No.  
43-013- 31362

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

11. County or Parish, State  
Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input 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 checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

This well was converted to a water injection well on 1/5/93. An injection packer assembly was run on 2-7/8" tubing to isolate three injection zones each having individual injection mandrels and orifices to control the water flow the the various zones. the packers and injection mandrels are set as follows:

Top zone            Perfs @ 4781'-4790' KB; Packer @ 4711' KB; Mandrel @ 4814' KB  
 Middle zone        Perfs @ 5208'-5215' KB; Packer @ 5040' KB; Mandrel @ 5232' KB  
 Lower zone         Perfs @ 5283'-5336' KB; Packer @ 5248' KB; Mandrel @ 5350' KB

The casing annulus was displaced w/70 STB fresh water and 55 gallons of Champion chemical corrosion inhibitor (Cortron-2383) prior to setting the packers. The backside was then pressured to 500 psig and the pressure was held for a one-hour test. Water injection was started on 1/22/93 and is presently injecting at a rate of 120 STBWPD and a tubing pressure of 1325 psig. Refer to the attached wellbore diagram for tubing and packer details.

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

Signed *Dobbie Schuman* Title Coordinator of Environmental and Regulatory Affairs Date February 25, 1993

(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.



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860  
FAX: (406) 245-1364

March 4, 1993

State of Utah  
Uintah County  
152 East 100 North  
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF  
OIL GAS & MINING

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

Routing:	
1-LEC	7-016
2-DTS	158-LEC
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY CO FROM</u> (former operator)	<u>BALCRON OIL</u>
(address)	<u>BALCRON OIL DIVISION</u>	(address) <u>PO BOX 21017</u>
	<u>PO BOX 21017</u>	<u>BILLINGS MT 59104</u>
	<u>BILLINGS MT 59104</u>	
	phone ( <u>406</u> ) <u>259-7860</u>	phone ( <u>406</u> ) <u>259-7860</u>
	account no. <u>N 9890</u>	account no. <u>N9890</u>

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

Name: <b>**ALL WELLS**</b>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 3-8-93)
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: 134640.
- \* 4. (For **Indian and Federal Wells ONLY**) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-19-93)
- Sec 6. Cardex file has been updated for each well listed above. (3-19-93)
- Sec 7. Well file labels have been updated for each well listed above. (3-19-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-19-93)
- Sec 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

- N/A 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) \*930319 Re'd bond rider eff. 3-4-93.

- sec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belcon Oil, A Division of Equitable Resources Energy Company.
- sec 2. A copy of this form has been placed in the new and former operators' bond files. \*Upon completion of routing.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases. see comments below

FILMING

- RWM 1. All attachments to this form have been microfilmed. Date: March 30 1993.

FILING

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

COMMENTS

930308 Btm 15.2. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belcon Oil Division".



# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER  
BALCRON OIL  
PO BOX 21017  
BILLINGS MT 59104

Utah Account No. N9890

Report Period (Month/Year) 1 / 93

Amended Report

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
✓ BALCRON COYOTE FEDERAL 22-7 4304732256 11408 08S 25E 7	GRRV				
✓ BALCRON COYOTE FEDERAL 42-6X 4304732346 11409 08S 25E 6	GRRV				
✓ BALCRON COYOTE FEDERAL 13-7 4304732255 11412 08S 25E 7	GRRV				
FEDERAL 13-13 4304732196 11417 08S 24E 13	GRRV				
✓ BALCRON MONUMENT FEDERAL 11-6 4301331362 11422 09S 17E 6	GRRV	— W/W			
✓ BALCRON COYOTE FEDERAL 33-5 4304732257 11424 08S 25E 5	GRRV				
✓ BALCRON MONUMENT FEDERAL 24-6 4301331363 11426 09S 17E 6	GRRV	— W/W			
✓ BALCRON COYOTE FEDERAL 13-5 4304732261 11427 08S 25E 5	GRRV				
✓ PARIETTE BENCH U #4 4304715681 99990 9S 19E 7	GRRV	— W/DW			
✓ EAST RED WASH 2-5 43-047-20252 1112 8S 25E 5	GRRV				
✓ BALCRON COYOTE FED 42-6 43-047-32258 11386 8S 25E 6					
✓ BALCRON COYOTE FED 33-7 43-047-32259 99999 8S 25E 7					
✓ ALLEN FEDERAL A-1 43-013-15780 1115 9S 17E 5	GRRV				
✓ BALCRON MONUMENT FED 33-6 43-013-31361 11438 9S 17E 6	GRRV	— W/W			
		TOTAL			

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_



**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

RECEIVED

AUG 20 1993

DIVISION OF  
OIL, GAS & MINING

August 18, 1993

-- BY FAX and MAIL --

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

ATTENTION: Jamie Sparger or Jerry Kenczka

Gentlemen:

I am FAXing a sundry notice reporting discharges made on some of our Monument Butte Field injection wells by Environmental Protection Agency representatives during inspections they made. The original sundry notice will be put in the mail today.

If you have any questions, please feel free to give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining (Frank Matthews)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-020252A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

See attached list

9. API Well No.

See attached list

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

AUG 20 1993

1. Type of Well

Oil Well  Gas Well  Other

DIVISION OF

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

Oil GAS & MINING

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104

(406) 259-7860

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

See attached list

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

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

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

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

On August 17, 1993, operator discovered that Environmental Protection Agency (Region 8) representatives conducted inspections of the injection wells on the attached list and in their inspection blew the backside down causing a mixture of diesel and water (approximately 1/2-1 bbl total per location) to discharge onto location. The diesel is used as a blanket to prevent freezing. It is estimated that approximately 1/2 yard of dirt per location was impacted. The diesel stained the soil only slightly. On the Balcron Monument Federal #24-6 there was no diesel; however, water with a trace of oil blew from the tubing string causing minor staining.

The EPA Region 8 office was notified by telephone 8/17/93.

Cleanup of the locations will be done in conjunction with upcoming proposed reworks.

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

Signed

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

Title

Coordinator of Environmental  
and Regulatory Affairs

Date August 18, 1993

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

Attachment to Sundry Notice

Federal Lease #U-020252A

Allen Federal #13-6  
NW SW Section 6, T9S, R17E  
2070' FSL, 578' FWL  
API #43-013-30918

Allen Federal #22-6  
NW SE Section 6, T9S, R17E  
2141' FNL, 1902' FWL  
API #43-013-30919

Balcron Monument Federal #11-6 *Conf*  
NW NW Section 6, T9S, R17E  
804' FNL, 696' FWL  
API #43-013-31362

Balcron Monument Federal #24-6 *Conf*  
SW SE Section 6, T9S, R17E  
504' FSL, 1613' FWL  
API #43-013-31363

Balcron Monument Federal #33-6 *Conf*  
NW SE Section 6, T9S, R17E  
1832' FSL, 1829' FEL  
API #43-013-31361

Balcron Monument Federal #42-6 *Conf*  
SE NE Section 6, T9S, R17E  
1806' FNL, 921' FEL  
API #43-013-31364

8/18/93  
/rs

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)

NW NW Section 6, T9S, R17E  
804' FNL, 696' FWL

5. Lease Designation and Serial No.

U-020252A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #11-6

9. API Well No.

~~43-013-31362~~

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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

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

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

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

Due to the completion and approval of the Jonah Unit in the Monument Butte Field, Equitable Resources Energy Company, Balcron Oil Division plans to workover this well in accordance with the attached procedure. We propose to complete the well to inject water into all potential waterflood sand horizons in the Douglas Creek member of the Green River formation. Water will be injected at an approximate rate of 5 STBWPDP per foot of sand. Refer to the attached perforation table for more information.

RECEIVED

SEP 02 1993

DIVISION OF  
OIL, GAS & MINING

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

Signed

*Bobbie Schuman*

Title

Coordinator of Environmental  
and Regulatory Affairs

Date

9-1-93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

\*See Instruction on Reverse Side

Balcron Monument Federal #11-6  
NW NW Sec.6,T9S,R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County,Utah

Workover Procedure

9-1-93  
JZ

Proposed Operations: Complete well w/additional injection zone. Perforate the GREEN1 Zone (Total of 19 ft w/10 shots from 5044'- 5059', 5075'- 5079' KB), breakdown & frac interval w/15,000 lbs of sand down 2 7/8" tubing, RIH w/injection packer assembly and return the well to injection.

Existing Perforations: Red One Zone 4781'- 4790' KB w/5 shots  
Green Three Zone 5208'- 5210',5212'- 5220' KB w/2 spf  
Green Five Zone 5288'-5336' KB w/10 shots

Capacity Data: 5 1/2",15.5 #,J-55 csg 0.0238 STB/FT.  
2 7/8",6.5 #,J-55 tbg 0.00579 STB/FT.  
5 1/2" x 2 7/8" annulus 0.0158 STB/FT.

RECEIVED

SEP 02 1993

Workover Procedure

DIVISION OF  
OIL, GAS & MINING

- 1) MIRU pulling unit, ND wellhead, NU BOP.
- 2) TOOH w/injection packers & tbg, strap tbg coming out of hole.
- 3) RU Schlumberger, RIH w/4" carrier gun & perforate for a limited entry frac.  
Perf 5045', 5047', 5049', 5051', 5053', 5055', 5057' KB w/one shot each.  
Perf 5075', 5077', 5079' KB w/one shot each (Total of 10 shots).
- 4) RIH w/RBP, retrieving tool, one jnt 2 7/8" tbg, SN, packer, & 2 7/8" tbg.
- 5) Set RBP @ 5100' KB, pull the packer up hole to 5000' KB, circulate well w/ 2% KCl water to clean up the perforation debris, set packer @ 5000' KB.  
Note: Csg collars @ 5023',5068',& 5114' KB.
- 6) Rig up frac trucks to breakdown perms & fracture the formation.
- 7) Breakdown perms w/ 2% KCl water & 25 ball sealers, ball out perms, surge back ball sealers.
- 8) Pump 10 STB 2% KCl water to establish injection rate, record rate & pressure, shut down & record ISIP.
- 9) Start pumping pad & frac the zone w/15,000 lbs 16-30 mesh sand down the 2 7/8" tbg as per frac recommendation, SDFN to let the frac heel.

- 10) Swab well back to clean up the frac fluid, release packer & reverse circulate the sand out down to the RBP, circulate hole clean.
- 11) Retrieve the RBP, TOOH w/tbg & tools.
- 12) RIH w/injection packer, SN, & tbg, inspect all treads & collars on tbg going into hole, land packer @ 4730' KB, load csg annulus with Champian corrosion inhibitor (55 gals Cortron #23-83 w/60 STB water), cap off annulus w/diesel, set injection packer @ 4730' KB, flange up wellhead.  
Note: Csg collars @ 4707' & 4752' KB.
- 13) Pressure test the csg annulus to 600 psig for the integrity test, contact Jerry Barns w/the Vernal BLM to witness the test. Test is to be held @ 500 psig or greater for one hour.
- 14) Return the well to injection at a rate of 270 STBWPD.
- 15) Let well injection pressure stabilize and run injection profile.
- 16) Determine from injection profile if it is necessary to run isolation packers and injection orifices to force water into all potential flood zones.

Balcron Oil  
 Jonah Unit Waterflood  
 Section 6, T9S, R17E  
 Monument Butte Field  
 Duchesne County, Utah

INJECTION WELL PERFORATIONS

WELL NAME    ZONE NAME:    YELLOW    RED 1    RED 2    RED 5    GREEN 1    GREEN 3    GREEN 4    GREEN 5    GREEN 6    BLUE

MONUMENT FED #11-6		4781-4790				++5044-5079	5208-5220		5288-5336		
ALLEN FED #13-6		4744-4768			4910-4930	5054-5066					
ALLEN FED #22-6		4765-4771			4910-4924		5190-5200		5270-5276		
MONUMENT FED #24-6		4678-4681			++4811-4842			++5141-5157	++5165-5181		**5556-5569
ALLEN FED #31-6						5050-5056		5235-5256			
MONUMENT FED #33-6		4658-4676			4814-4824						
MONUMENT FED #42-6		4756-4760			4906-4928	5064-5070					
ALLEN FED #1-6	**4169-4180	4698-4704	4752-4758				5140-5148				

Presently Injecting

Existing Perforations Proposed For Injection.

++ TO BE ADDED

\*\* NOT TO BE USED FOR INJECTION

PRODUCING WELL PERFORATIONS

WELL NAME    ZONE NAME:    YELLOW    RED 1    RED 2    RED 5    GREEN 1    GREEN 3    GREEN 4    GREEN 5    GREEN 6    BLUE

ALLEN FED 12-6	4302-4326	++4780-4788	4832-4851			++5051-5055			5280-5301		5665-5676
ALLEN FED 21-6		Possible					5173-5194	5220-5228	5277-5381	5414-5419	
ALLEN FED 23-6	4249-4267	++4735-4750	4792-4808	4890-4908				++5221-5234	5244-5260		
ALLEN FED 32-6	4246-4289			4912-4934				5232-5354			
ALLEN FED 34-6		4690-4715		4856-4892			5162-5177	5189-5230			
ALLEN FED 41-6	4281-4318	4750-4764		4912-4938	5062-5068	Possible		5236-5260			
ALLEN FED 43-6		4666-4680	4712-4742	4817-4848				5138-5178	5179-5205		



**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

**RECEIVED**

SEP 02 1993

**DIVISION OF  
OIL, GAS & MINING**

September 1, 1993

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are sundry notices for workovers on the wells on the enclosed list. One of the sundry notices also is a notice that we intend to convert the well to injection in accordance with our EPA permit.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining  
Chuck Williams, EPA

- 1) Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah
- 2) Allen Federal #13-6  
NW SW Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah
- 3) Balcron Monument Federal #24-6  
SW SW Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah
- 4) Balcron Monument Federal #42-6  
SE NE Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah
- 5) Allen Federal #1-6  
SE SE Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah
- 6) Allen Federal #31-6  
NW NE Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah
- 7) Allen Federal #12-6  
SW NW Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah
- 8) Allen Federal #23-6  
NE SW Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah

43-013-31362

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/9/93

**BALCRON MONUMENT FEDERAL #32-11** Operator: EREC/Balcron  
--TIGHT HOLE-- Location: SW NE Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte Field

9-9-93 TD: 4,806' (862') Day 5  
Formation: Green River  
MW 8.4 pH 10  
Present Operation: Drilling  
Drill, survey, repair flow line, & blow hole.  
DC: \$11,383 CC: \$81,952

**BALCRON MONUMENT FED. #11-6** Operator: EREC/Balcron  
--TIGHT HOLE-- Location: NW NW Section 6, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte Field

9-8-93 Completion for injection.  
MIRU Basin Well Service. ND wellhead, NU BOP. Try to release packers, shear top hydraulic packer. Could not release Arrow Set-1 packer, manipulate tbg w/torque, pull, etc. Hold right-hand torque on tbg while pulling, could not release Arrow Set-1 packer. Close in well. SDFN.  
DC: \$2,001 CC: \$2,001

**ALLEN FEDERAL #12-6** Operator: EREC/Balcron  
Location: SW NW Section 6, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte Field

9-7-93 Completion of the RED1 and GREEN1 zones for oil production.  
MIRU Betts Well Service. Hang well off & unseat pump, hot oil rods & tbg. TOOH w/222 rods (207 slick rods & 15 guided rods) & 6', 4', 8' x 3/4" ponies. ND wellhead, NU BOP. PU 15-1/2" jts tbg @ 480' & tbg TD @ 6106' KB. (Btm perfs @ 5665'-5676' KB w/PBTD @ 6203' KB) 430' rathole. TOOH w/tbg, SN, MA & notched collar. RU Four Star Hydrotesters (blew hydraulic line). SDFN.  
DC: \$3,774 CC: \$3,774

9-8-93 Completion for oil production.  
RIH w/bit, scraper & tbg. Hydrotest 178 jts 2-3/8" J-55 tbg going into the hole to 6000 psig. Replace 9 2-3/8" tbg collars, did not blow any jts of tbg. TOHH w/bit, scraper, & 178 jts 2-7/8" tbg, strap coming out. RU Schlumberger to perf, perf from: 4780'-4788' KB w/4 SPF; 5051'-5055' KB w/4 SPF. RIH w/Arrow RBP, ret took, 1 jt 2-3/8" tbg, Arrow HD packer, SN, & tbg. Set RBP @ 5110' KB. Circ hole w/130 STB 2% KCl wtr. Pull up 2 jts tbg & set packer @ 4995' KB. SDFN  
DC: \$6,661 CC: \$10,435

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
U-020252A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation  
Jonah Unit

SUBMIT IN TRIPLICATE

8. Well Name and No.  
Balcron Monument Fed. #11-6

1. Type of Well  
 Oil Well  Gas Well  Other injection well

9. API Well No.  
43-013-31362

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NW NW Section 6, T9S, R17E.  
804' FNL, 696' FWL  
1005 1001

11. County or Parish, State  
Duchesne County, UTAH

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

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

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

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

Work was done on this well in accordance with the attached report. Also attached is a copy of the MIT which was performed on this well.

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date December 28, 1993  
(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.

\*\*\*\*\*

**EREC Balcron Oil Division**

Jonah Unit

Monument Butte Field

Attachment to Sundry Notice for work completed.

Balcron Monument Federal #11-6  
NW NW Section 6, T9S, R17E  
Lease No. U-020252A  
Monument Butte Field  
Duchesne County, Utah  
Jonah Unit

As per verbal approval from Ed Forsman on 9-3-93, the following work was performed:

- 1) MIRU Basin Well Service.
- 2) Perforate the Green-1 zone.  
Perfs @ 5045', 5047', 5049', 5051', 5053', 5055', 5057' KB w/1 shot each.  
Perfs @ 5075', 5077', 5079' KB w/1 shot each.
- 3) Breakdown perfs w/13 STB 2% KCl water & 25 ball sealers.
- 4) Frac Green-1 zone w/15,000 lbs of 16-30 mesh sand & 288 STB gelled 2% KCl water, 17.9 STBPM @ 3700 psig, ISIP @ 1850 psig.
- 5) Set up injection packer to inject into the Red-1, Green-1, Green-3, and Green-5 zones.  
  
5 1/2" Arrow Set-1 Pkr @ 4734' KB.
- 6) Test casing & packer to 700 psig for one hour.
- 7) Return well to injection.



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

IN REPLY REFER TO:

Phone (801) 789-1362

FAX (801) 789-3634

### MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. UTU-020252A

Company Name: Balcran Date: 9-13-93

Well Name: Monument Fed 11-6 Permit No. \_\_\_\_\_

Field Name: Monument Buttes County: Duchesne

Well Location: Lot 4 Sec 6 T 9S R 17E

Well Type: SWD \_\_\_\_\_ ER  2H \_\_\_\_\_ Other: \_\_\_\_\_

Type of Packer: Arrow Set One Total Depth: 5653 K.B.

Packer Set at (depth): 4734 FT

Surface Casing Size: 8 5/8", K-55, 24" From: 259 G.L FT to Surface FT

Casing Size: 5 1/2", J-55, 15.5" From: 5713 FT to Surface FT

Tubing Size: 2 7/8", J-55, 6.5" Tubing Pressure during Test: 120 psig

Time of Day: 14:35 am/pm

Fluid in Annulus: Champion Chemical, Cartron - 2383 mixed 55 gal to 70 bbl 2% KCl wat

	Test #1	Test #2	Notes:
14:35 0 Min:	<u>700</u> psig	_____ psig	① Arrow Set One Packer set @ 4734' K.B.
5	<u>700</u> psig	_____ psig	
10	<u>700</u> psig	_____ psig	
15	<u>700</u> psig	_____ psig	
20	<u>700</u> psig	_____ psig	
25	<u>700</u> psig	_____ psig	
30	<u>700</u> psig	_____ psig	
35	<u>700</u> psig	_____ psig	
40	<u>700</u> psig	_____ psig	
45	<u>700</u> psig	_____ psig	
50	<u>700</u> psig	_____ psig	
55	<u>700</u> psig	_____ psig	
15:35 60	<u>700</u> psig	_____ psig	

Test Conducted by: Allotter Hot Oil Service - Pat Wisener  
Inspected by: Danny Farnsworth - Balcran  
Others Present: Jerry Barnes - B.L.M

# Mechanical Integrity Test

## Casing or Annulus Pressure Test for Well UT2642-03734

U.S. Environmental Protection Agency  
 Underground Injection Control Program, UIC Implementation Section, 8WM-DW  
 999 18th Street, Suite 500, Denver, CO 80202-2466  
 This form was printed on 08/26/93.

EPA Witness: \_\_\_\_\_ Date 9/13/93 Time 2:35 am/pm

Test conducted by: Danny Farnsworth - Balcon

Others present: Jerry Barnes - B.L.M

**Equitable Energy Resources Company, Billings, MT** Op ID EQR02  
 MONUMENT FEDERAL #11-6 2R UC as of 12/22/92  
 MONUMENT BUTTE NWNW 06 09S 17E

Indian? Yes, UINTAH-OURAY Compliance staff: WILLIAMS

Last MIT: Passed 01/13/93 Witnessed by EPA

Time (minutes)	Test #1	Test #2	Test #3
0	<u>700</u> psig	_____ psig	_____ psig
5	<u>700</u>	_____	_____
10	<u>700</u>	_____	_____
15	<u>700</u>	_____	_____
20	<u>700</u>	_____	_____
25	<u>700</u>	_____	_____
30	<u>700</u>	_____	_____
35	<u>700</u>	_____	_____
40	<u>700</u>	_____	_____
45	<u>700</u>	_____	_____
50	<u>700</u>	_____	_____
55	<u>700</u>	_____	_____
60	<u>700</u>	_____	_____
Tubing pressure	<u>120</u> psig	_____ psig	_____ psig

Result(circle) Pass Fail                      Pass Fail                      Pass Fail

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

*See back of page for any additional comments and compliance followup.*



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

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

RECEIVED

JAN 05 1994

DIVISION OF  
OIL, GAS & MINING

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

December 29, 1993

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

Gentlemen:

Enclosed are sundry notices reporting work done on the following wells:

Allen Federal #1-6

\*Balcron Monument Federal #11-6 43-013-31362

Allen Federal #13-6

Balcron Monument Federal #24-6

Allen Federal #31-6

Balcron Monument Federal #42-6

Allen Federal #12-6

Allen Federal #23-6

Federal #2-1

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

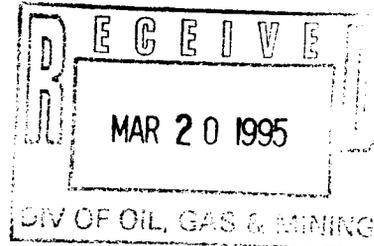


**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

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



March 16, 1995

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached are copies of the injection profile reports for our enhanced recovery wells in the Jonah Unit.

If you have any questions, please call John Zellitti at (406) 259-7860.

Sincerely,

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

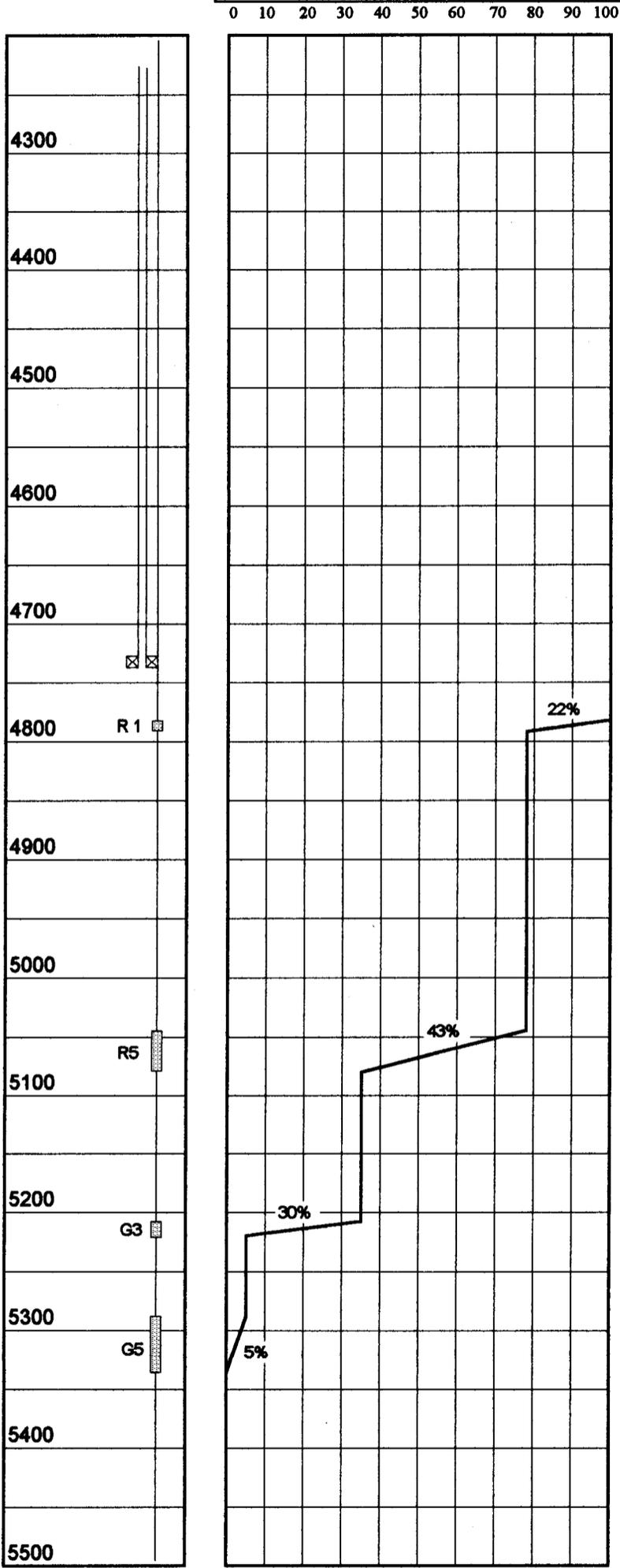
Attachments

# EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION

## INJECTION PROFILE

**BALCRON MONUMENT  
FEDERAL 11-6**

Date: 1/6/95	Desired Rate: 270 B/D
Surface Temp: 42 F	Metered Rate: 270 B/D
BHT: 144 F	Measured Rate: 284 B/D
PBTD:	Tbg Pressure: 1900 PSI
TD: 5371	Csg Pressure: 0 PSI



95-17E-6  
43-013-31362

**Remarks:** R/A Tracer survey indicates exits as shown. Packer checks okay.  
**Service Company:** Well Information Services, Inc.  
**Operator:** Bart Williams



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

RECEIVED  
APR 4 1996  
OIL, GAS & MINING

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

April 1, 1996

Mr. Dan Jarvis  
Utah Division of Oil, Gas and Mining  
UIC Program  
355 West North Temple  
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

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

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

UTAH UIC PERMITS

Balcron Oil Monument Butte Jonah Unit Waterflood (new name)	
Formerly Monument Butte Area-A Waterflood Approved 12/22/92	
Area Permit No. UT2642-00000	
Allen Federal #22-6	UT2642-03729 (AREA PERMIT UT2642-00000)
Allen Federal #13-6	UT2642-03730 (AREA PERMIT UT2642-00000)
Allen Federal #31-6	UT2642-03731 (AREA PERMIT UT2642-00000) (State #UIC-142)
Allen Federal #1-6	UT2642-03732 (AREA PERMIT UT2642-00000)
Allen Federal #1A-5	UT2642-03733 (AREA PERMIT UT2642-00000)
	NOTE: Never converted to UIC - put back on production
Balcron Monument Fed. #11-6	UT2642-03734 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #24-6	UT2642-03735 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #33-6	UT2642-03736 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #42-6	UT2642-03737 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #13-5J	UT2642-04208 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #22-5J	UT2642-04209 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #24-5	UT2642-04210 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #31-7J	UT2642-04211 (AREA PERMIT UT2642-00000) (State #UIC-149)
Monument Butte #1-33	State #UIC-151
Monument Butte #1-24	State #UIC-151
Monument Butte #1-13	State #UIC-151
Balcron Monument Fed. #42-1J	State #UIC-151
Getty #12-1	State #UIC-151
Balcron Monument Fed. #41-15	State #UIC-152
Balcron Monument Fed. #32-15	State #UIC-152
Balcron Monument Fed. #23-15	State #UIC-152
Balcron Monument Fed. #41-14J	State #UIC-152
Balcron Monument Fed. #21-14J	State #UIC-152
Balcron Monument Fed. #32-12J	State #UIC-152
C & O Gov't #4	State #UIC-152
Balcron Monument Fed. #14-12J	State #UIC-152
Balcron Monument Fed. #12-12J	State #UIC-152
Balcron Monument Fed. #43-11J	State #UIC-152
Balcron Monument Fed. #32-11	State #UIC-152



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

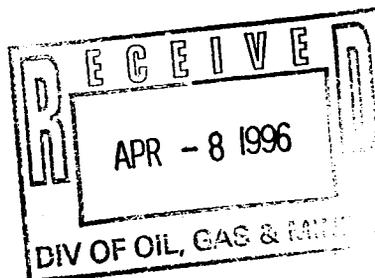
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

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

March 22, 1996

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



Gentlemen:

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

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

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

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

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number:

See attached listing

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See attached listing

8. Well Name and Number:

See attached listing

9. API Well Number:

See attached listing

10. Field and Pool, or Wildcat:

See attached listing

1. Type of Well: OIL  GAS  OTHER:

See attached listing

2. Name of Operator:

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:

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

4. Location of Well

Footages:

See attached listing

County: See attached list

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

State: UTAH

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

NOTICE OF INTENT  
(Submit in Duplicate)

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

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

SUBSEQUENT REPORT  
(Submit Original Form Only)

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

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

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

\* Must be accompanied by a cement verification report.

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

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

13.

Name & Signature:

Bobbie Schuman  
Bobbie Schuman

Title:

Regulatory and

Environmental Specialist Date: March 27, 1996

(This space for State use only)

UTAH - ALL

Balcron Coyote Fed. #42-6X	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	OSI	Green River	U-017439-B	43-047-32346	1987' FNL, 682' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #44-6	Coyote Basin	SE SE	6	8S	25E	Uintah	UT	PND	Green River	U-017439B	43-047-32421	560' FSL, 760' FEL	Vernal	Coyote Basin
Balcron Federal #12-20Y	8 Mile Flat N.	SW NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32617	1980' FNL, 660' FWL	Vernal	
Balcron Federal #12-22Y	8 Mile Flat N.	SW NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-66191	43-013-31476	2105' FNL, 660' FWL	Vernal	Priv.sfc.
Balcron Federal #21-13Y	Monument Butte	NE NW	13	9S	16E	Duchesne	UT	Oil	Green River	U-64805	43-013-31400	703' FNL, 1831' FWL	Vernal	
Balcron Federal #21-25Y	Monument Butte	NE NW	25	9S	16E	Duchesne	UT	Oil	Green River	U-64380	43-013-31994	500' FNL, 1980' FWL	Vernal	
Balcron Federal #21-9Y	Monument Butte	NE NW	9	9S	16E	Duchesne	UT	Oil	Green River	U-65207	43-013-31396	476' FNL, 2051' FWL	Vernal	
Balcron Federal #22-10Y	Monument Butte	SE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31395	1980' FNL, 1980' FWL	Vernal	
Balcron Federal #24-3Y	Monument Butte	SE SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31397	562' FSL, 1887' FWL	Vernal	
Balcron Federal #31-14Y	Undesignated	NW NE	14	9S	19E	Uintah	UT	PND	WASATCH	U-66193		500' FNL, 2740' FWL	Vernal	Priv.sfc.
Balcron Federal #31-19Y	8 Mile Flat N.	NW NE	19	9S	18E	Duchesne	UT	Oil	Green River	U-65635	43-047-32614	660' FNL, 1880' FEL	Vernal	
Balcron Federal #31-5Y	8 Mile Flat N.	NW NE	5	9S	18E	Uintah	UT	Oil	Green River	U-65970	43-047-32503	660' FNL, 1980' FEL	Vernal	
Balcron Federal #32-19Y	8 Mile Flat N.	SW NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32615	1980' FNL, 1980' FEL	Vernal	
Balcron Federal #41-19Y	Monument Butte	NE NE	19	9S	17E	Duchesne	UT	Oil	Green River	U-65967	43-047-32504	660' FSL, 660' FEL	Vernal	
Balcron Federal #41-21Y	Monument Butte	NE NE	21	9S	16E	Duchesne	UT	Oil	Green River	U-64379	43-013-31392	970' FNL, 894' FEL	Vernal	
Balcron Federal #42-19Y	8 Mile Flat N.	SE NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32616	2100' FNL, 500' FEL	Vernal	
Balcron Federal #44-14Y	Monument Butte	SE SE	14	9S	17E	Uintah	UT	Oil	Green River	U-64806	43-047-32438	1008' FSL, 832' FEL	Vernal	
Balcron Federal #44-4Y	8 Mile Flat N.	SE SE	4	9S	17E	Duchesne	UT	Oil	Green River	U-65635	43-013-31452	660' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #11-10-9-17Y		NW NW	10	9S	17E	Duchesne	UT	PND	Green River				Vernal	
Balcron Monument Fed. #11-20-9-18Y	Monument Butte	NW NW	20	9S	18E	Uintah	UT	OIL	Green River	U-64917	43-047-32712	500' FNL, 500' FWL	Vernal	
Balcron Monument Fed. #11-22-8-17Y	Monument Butte	NW NW	22	8S	17E	Duchesne	UT	OIL	Green River	U-66191	43-013-31539	635' FNL, 658' FWL	Vernal	
Balcron Monument Fed. #11-25	Monument Butte	NW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32455	739' FNL, 648' FWL	Vernal	
Balcron Monument Fed. #11-6	Monument Butte	NW NW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31362	804' FNL, 696' FWL	Vernal	Jonah
Balcron Monument Fed. #11-7J	Monument Butte	NW NW	7	9S	17E	Duchesne	UT	COMPL-WIW	Green River	U-44426	43-013-31492	681' FNL, 447' FWL	Vernal	Jonah
Balcron Monument Fed. #12-10-9-17Y	Monument Butte	SW NW	10	9S	17E	Duchesne	UT	COMPL	Green River	U-65210	43-013-31536	1994' FNL, 618' FWL	Vernal	
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Vernal	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31410	739' FNL, 648' FWL	Vernal	Jonah
Balcron Monument Fed. #12-14J	Monument Butte	SW NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31488	2004' FNL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #12-25	Undesignated	SW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32526	1486' FNL, 875.7' FWL	Vernal	
Balcron Monument Fed. #12-7J	Monument Butte	SW NW	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-31493	1965' FNL, 620' FWL	Vernal	Jonah
Balcron Monument Fed. #13-11J	Monument Butte	NW SW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15790	1819' FSL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #13-5	Monument Butte	NW SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31370	1980' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Vernal	Jonah

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

Routing:

1	LEB 7-SJ
2	DES 58-FILE
3	VLD (GIL)
4	RJE
5	IE
6	FILM

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

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

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

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

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

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31362</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Y 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Y 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Y 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Y 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Y 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Y 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

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

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)    . Today's date     19   . If yes, division response was made by letter dated     19   .

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated     19   , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
Sent to Ed Bonner - Trust Lands

**FILMING**

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

**FILING**

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

**COMMENTS**

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

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	<del>16E</del>	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

RECEIVED  
OCT 13 1997

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

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

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

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

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

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

OCT 16 1997

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

RECEIVED

OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED

OCT 13 1997

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

CURRENT OPERATOR

Transfer approved by:

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

Comments:

NEW OPERATOR

Transfer approved by:

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

Comments:

(State use only)

Transfer approved by [Signature] Title Environ. Manager

Approval Date 1-20-98

CAUSE # 228-2

OCT 20 1997  
DIVISION

Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOVT #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

11426

11438

11431



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

  
Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



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

TO: *Lisha*  
*St of Utah.*

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

Pages Attached - Including Cover Sheet *2.*

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

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-020252-A**

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

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

8. Well Name and No.  
**MONUMENT FEDERAL 11-6**

9. API Well No.  
**43-013-31362**

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

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1065 FNL 1001 FWL      NW/NW Section 6, T09S R17E**

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

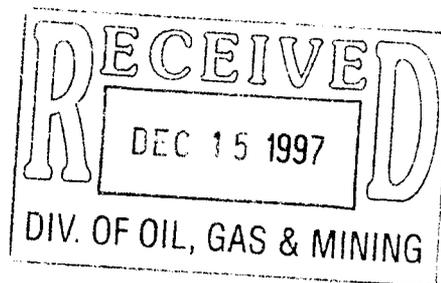
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 12/4/97 - 12/10/97**

Perf LDC sds @ 5456-62' & 5467-74'.  
Perf A sds @ 5288-5300', 5314-25' & 5328-30'.



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

Signed Shannon Smith Title Engineering Secretary Date 12/11/97

(This space for Federal or State office use)

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

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

RECEIVED  
JAN 14 1998  
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO  
UT-931

January 13, 1998

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

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

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

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

WELL STATUS REPORTS  
UTAH STATE OFFICE

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

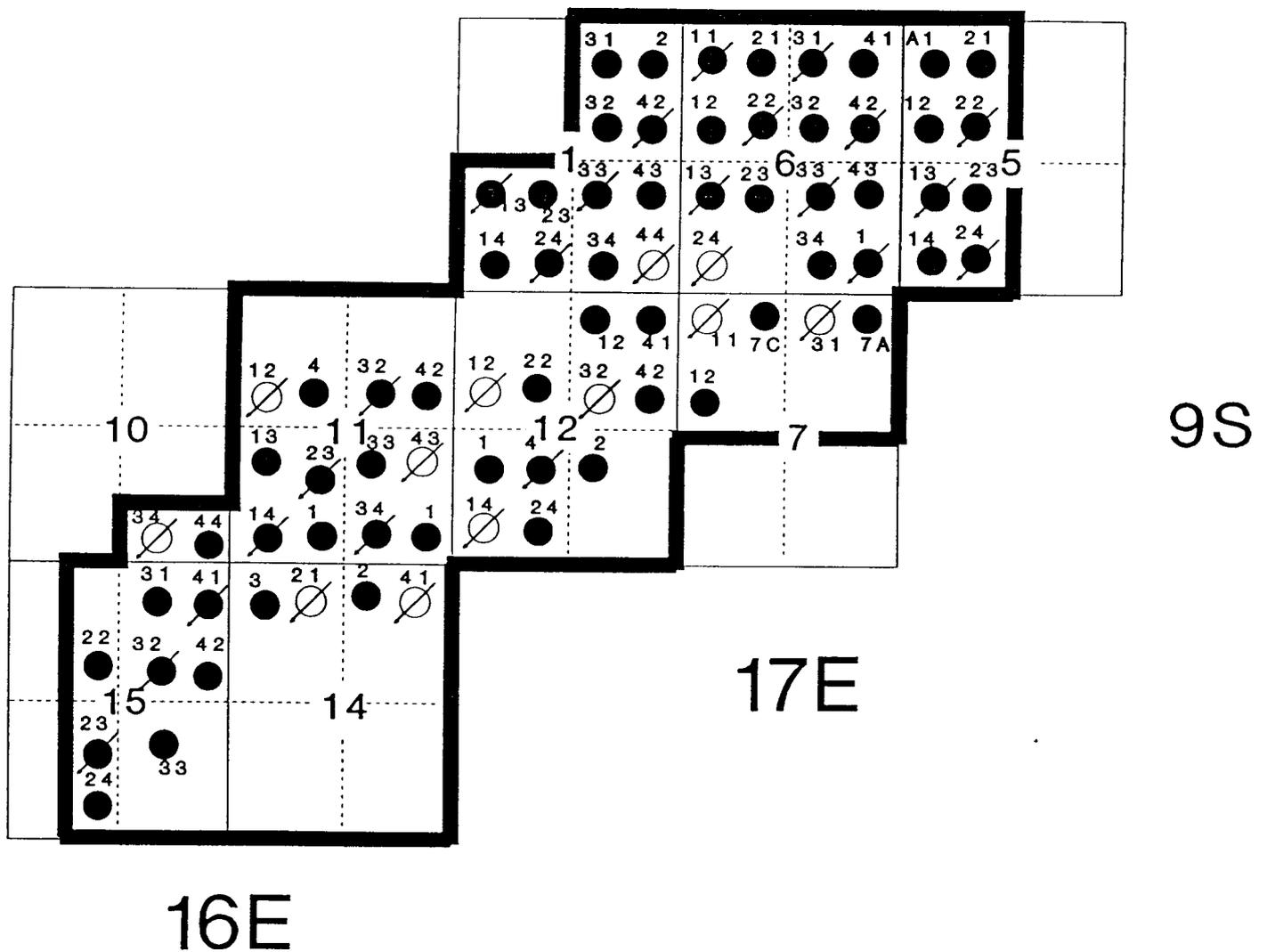
WELL STATUS REPORTS  
UTAH STATE OFFICE

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

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

**OPERATOR CHANGE WORKSHEET**

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

Routing	
1-IEC	6-VA
2-CLH	7-KAS
3-DTS	8-SV
4-VLD	9-FILE
5-JBB	

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

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

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

WELL(S) attach additional page if needed:

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

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31362</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) \* UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98.*
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- lec 9. A folder has been set up for the **Operator Change** file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

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

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

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

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

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

**FILMING**

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

**FILING**

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

**COMMENTS**

980114 B/m/SY Aprv. eff. 1-13-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
COASTAL OIL	43-013-30337	G. HANSON #2	02S	03W	4	INJD	Y
COASTAL OIL	43-013-30038	2-23B4 LAKE	02S	04W	23	INJD	Y
COASTAL OIL	43-013-30371	L RUSSELL 2-	02S	04W	32	INJD	Y
COASTAL OIL	43-013-30391	EHRICH 2-11B	02S	05W	11	INJD	Y
COASTAL OIL	43-013-30340	LDS CHURCH #	02S	05W	27	INJD	Y
COASTAL OIL	43-047-31996	NBU 159	09S	21E	35	INJD	Y
COCHRANE RES	43-037-30815	3-23	38S	25E	23	INJW	N
COCHRANE RES	43-037-30690	1-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31145	4-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31761	WDW 1	38S	25E	25	INJD	N
COCHRANE RES	43-037-30762	3-26	38S	25E	26	INJW	N
CROSS CREEK	43-037-16269	SOUTH ISMAY	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	✓43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	✓43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	✓43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N

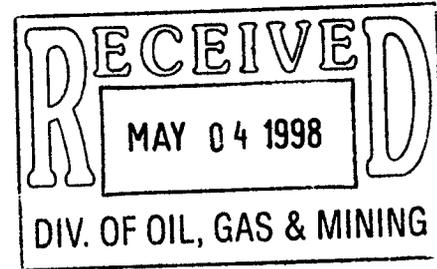


43-013-31362

April 30, 1998

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas & Mining  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Mechanical Integrity Test  
Monument Federal #11-6  
Sec 6-T9S-R17E  
Duchesne County, Utah



Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, for work performed on the above referenced well. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

*Debbie Knight*

Debbie E. Knight  
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-020252-A**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well    Gas Well    Other

**WIW**

8. Well Name and No.

**MONUMENT FEDERAL 11-6**

9. API Well No.

**43-013-31362**

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

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

**1065 FNL 1001 FWL      NW/NW Section 6, T09S R17E**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

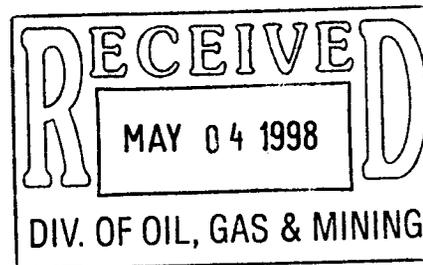
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **MIT**

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.)\*

A mechanical integrity test was performed on the above referenced well on 3-12-98. Casing was pressured to 1000 psi and held for one hour. John Carsons w/EPA was notified on 3-11-98. Attached is a copy of the chart.



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

Signed *Debbie Knight* Title Manager, Regulatory Compliance Date 4/30/98

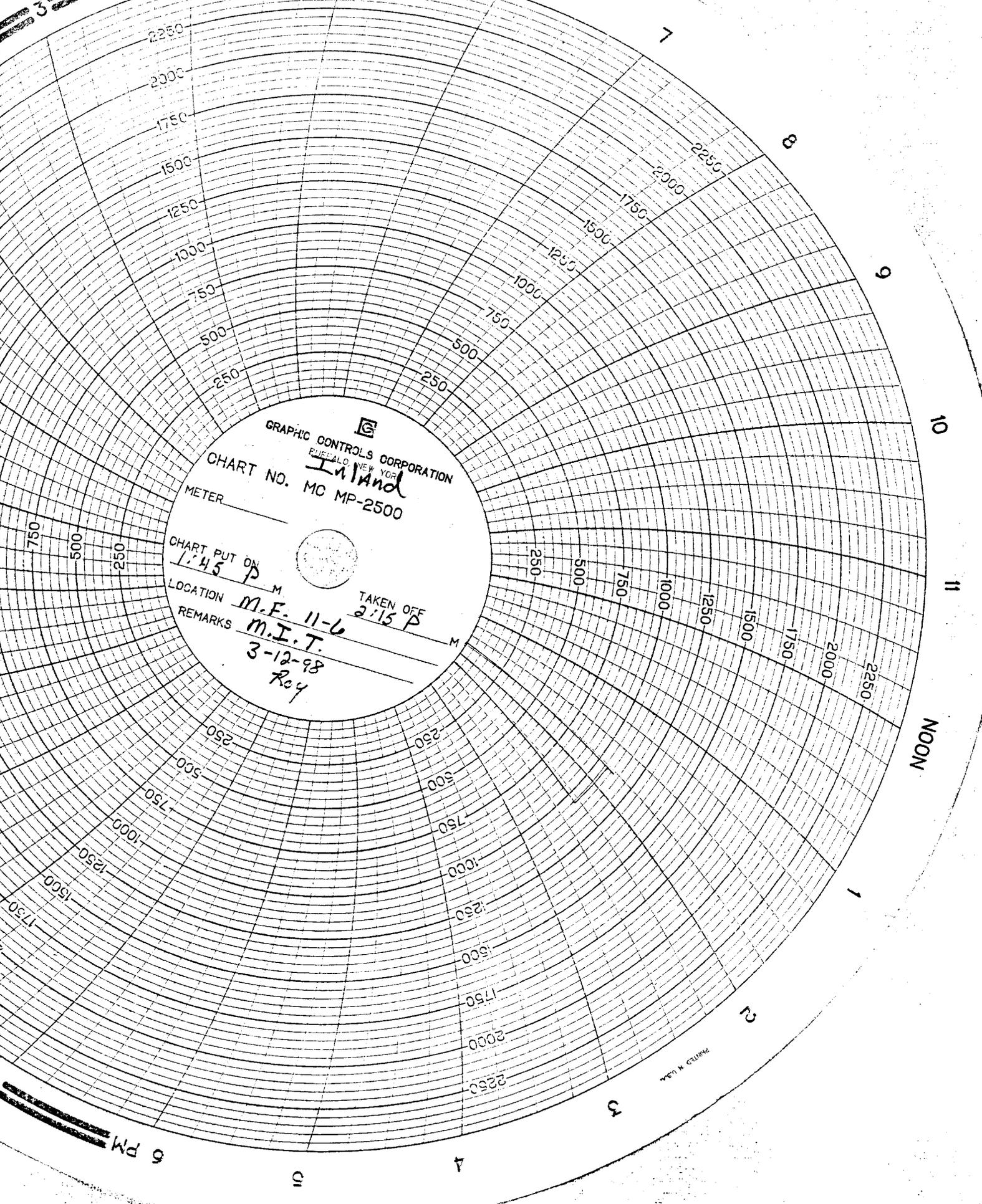
(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

6 AM



GRAPHIC CONTROLS CORPORATION  
 BUFFALO, NEW YORK

CHART NO. MC MP-2500  
*Inland*

METER \_\_\_\_\_

CHART PUT ON  
*1:45 P*

TAKEN OFF  
*2:15 P*

LOCATION *M.F. 11-6*

REMARKS *M.I.T.  
 3-12-98  
 Roy*

PRINTED IN U.S.A.



February 10, 2000

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

RECEIVED  
FEB 11 2000  
DIVISION OF  
OIL, GAS AND MINING

RE: Step-Rate Test  
Monument Federal #11-6

Dear Dan:

Please find enclosed Step-Rate Tests (SRT) results on the Monument Federal #11-6 injection well in the Jonah Unit. Inland Production Company conducted the SRT on February 10, 2000. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure from 2200 psi to 2055 psi for this well.

Thank you for your assistance. If you have any questions or need further information, please call me at (435) 646-3721.

Sincerely,

Brad Mechem  
Operations Manager

/bm

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

FEB 10 2000  
DIVISION OF  
OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.  
**U-020252-A**

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**JONAH**

8. FARM OR LEASE NAME  
**MONUMENT FEDERAL 11-6**

9. WELL NO.  
**11-6**

10. FIELD AND POOL, OR WILDCAT  
**MONUMENT BUTTE**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**NW/NW Section 6, T09S R17E**

12. COUNTY OR PARISH  
**DUCHESNE**

13. STATE  
**UT**

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

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

OIL WELL  GAS WELL  OTHER  INJECTION

2. NAME OF OPERATOR  
**INLAND PRODUCTION COMPANY**

3. ADDRESS OF OPERATOR  
**ROUTE #3 BOX 3630, MYTON, UTAH 84052  
(435) 646-3721**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**NW/NW 1065 FNL 1001 FWL**

14. API NUMBER  
**43-013-31362**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5580 GR**

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

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

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On February 10, 2000 Inland Production Company conducted a Step-Rate Test (SRT) on the Monument Federal #11-6 injection well in the Jonah Unit. Due to the results of the attached SRT Inland is requesting approval to increase our Maximum Allowable Injection Pressure from 2200 psi to 2055 psi on this well.

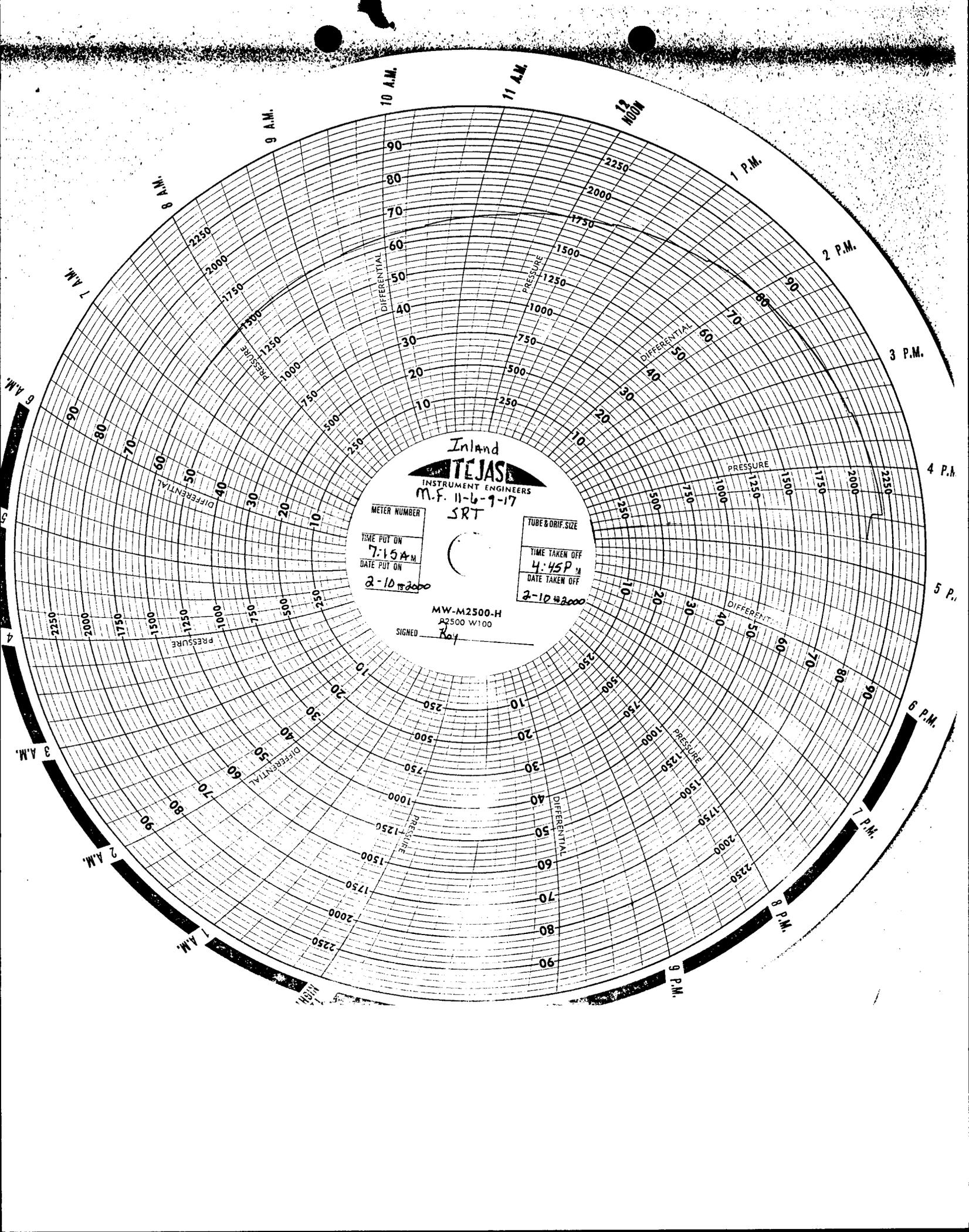
COPY SENT TO OPERATOR  
Date: 2-18-00  
Initials: CHD

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 2/14/00  
By: [Signature]

18 I hereby certify that the foregoing is true and correct:  
SIGNED [Signature] TITLE Operations Manager DATE 2/10/00

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



Inland  
**TEJAS**  
INSTRUMENT ENGINEERS  
M.F. 11-6-9-17  
SRT

METER NUMBER

TUBE & DRIF. SIZE

TIME PUT ON

TIME TAKEN OFF

7:15 A.M.

4:45 P.M.

DATE PUT ON

DATE TAKEN OFF

2-10-2000

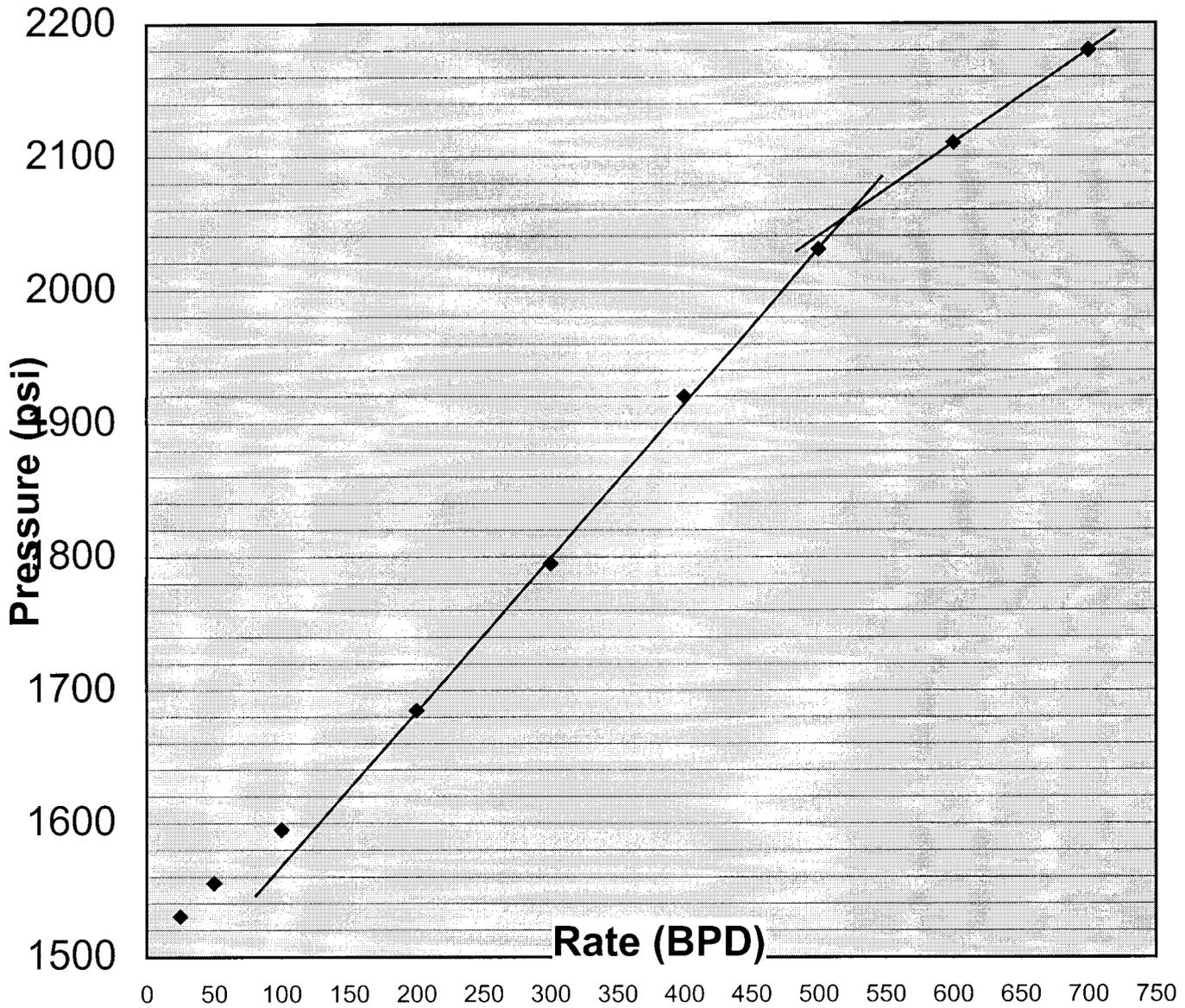
2-10-2000

MW-M2500-H  
2500 W100

SIGNED

Ray

MF 11-6-9-17  
(Jonah Unit)  
Step Rate Test  
February 10, 2000



ISIP: 2105 psi

Fracture pressure: 2055 psi

FG: 0.864

Step	Rate(bpd)	Pressure(psi)
1	25	1530
2	50	1555
3	100	1595
4	200	1685
5	300	1795
6	400	1920
7	500	2030
8	600	2110
9	700	2180

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-020252-A</b>	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Injection</b>		7. UNIT AGREEMENT NAME  <b>JONAH</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>MONUMENT FEDERAL 11-6-9-17</b>	
3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		9. WELL NO. <b>MONUMENT FEDERAL 11-6-9-17</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below ) At surface <b>NW/NW Section 6, T09S R17E 1065 FNL 1001 FWL</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NW/NW Section 6, T09S R17E</b>	
14. API NUMBER <b>43-013-31362</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5580 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject injection well was recompleted in the Green River formation. Four new Green River intervals were perforated, the GB-4 sds 4220'-4224' w/ 4 jspf, GB-4 sds 4249'-4262' w/ 4 jspf, GB-6 sds 4280'-4302' w/4 jspf, and the GB-6 sds 4313'-4329' w/4 jspf for a total of 220 shots.

On 6/06/01 Mr. Al Craver w/EPA and Mr. Dennis Ingram w/State DOGM was contacted of the intent to conduct a MIT on the casing. On 6/08/01 the casing was pressured to 1075 psi and charted for 1/2 hour test w/ no pressure loss. Mr. Dennis Ingram was there to witness the test. The well is shut in and waiting on approval to inject.

18 I hereby certify that the foregoing is true and correct

SIGNED *Krishna Russell* TITLE Production Clerk DATE 6/13/01  
Krishna Russell

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

APPROVED BY \_\_\_\_\_ TITLE **Approved by the Utah Division of Oil, Gas and Mining** DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Date: 06-19-01  
 By: *[Signature]*  
\* See Instructions on back of form

*6/6/01 CH*

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: Dennis Ingram Date: 6 18 101  
 Test conducted by: Dret Henrie  
 Others present: \_\_\_\_\_

Well Name: <u>Monument Fed 11-6-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Tanah</u>		
Location: <u>11</u> Sec: <u>6</u> T <u>9</u> N1S R <u>17</u> E/W	County: <u>Duch</u>	State: <u>UT</u>
Operator: <u>Inland Production</u>		
Last MIT: <u>3 1 28 101</u>	Maximum Allowable Pressure:	PSIG

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

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

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	380 psig	psig	psig
End of test pressure	380 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1075 psig	psig	psig
5 minutes	1075 psig	psig	psig
10 minutes	1075 psig	psig	psig
15 minutes	1085 psig	psig	psig
20 minutes	1080 psig	psig	psig
25 minutes	1080 psig	psig	psig
30 minutes	1080 psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
<b>RESULT</b>	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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



# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: DENNIS INGRAM Date 6/8/01 Time 10:00  am  pm

Test Conducted by: BRET HENRIE

Others Present: \_\_\_\_\_

Well: <u>MONUMENT FEDERAL #11-6-9-17</u>	Field: <u>JONAH</u>
Well Location: <u>NW/NW Sec. 6-T95-R17E</u>	API No: <u>43-013-31362</u>

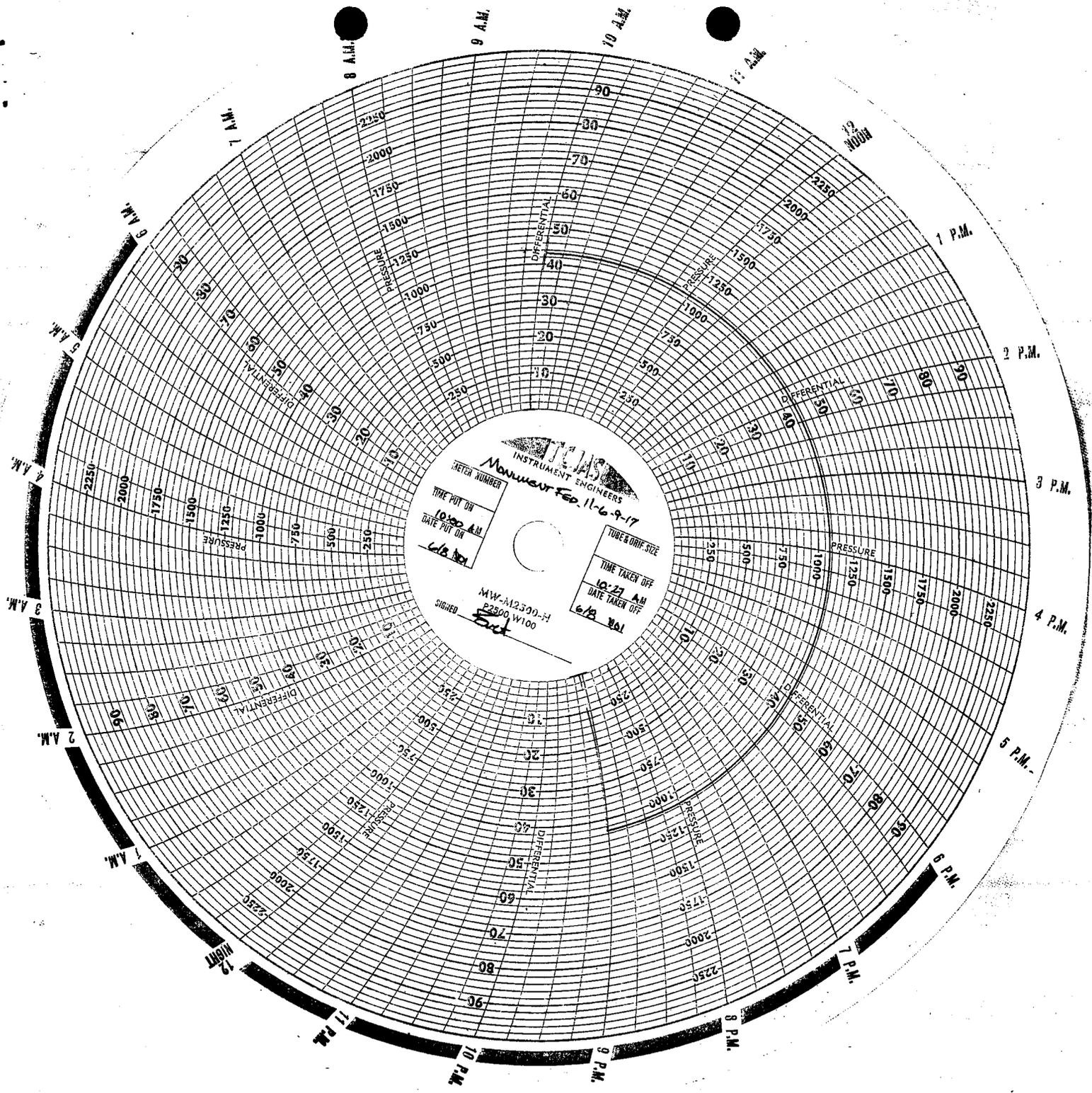
Time	Casing Pressure
0 min	<u>1075</u> psig
5	<u>1075</u> psig
10	<u>1075</u> psig
15	<u>1075</u> psig
20	<u>1080</u> psig
25	<u>1080</u> psig
30 min	_____ psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing pressure: 380 psig

Result:  Pass  Fail

Signature of Witness: Dennis Ingram

Signature of Person Conducting Test: Bret Henrie



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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-020252-A</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Injection Well</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME  <b>JONAH</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b>		8. FARM OR LEASE NAME <b>MONUMENT FEDERAL 11-6</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NW/NW Section 6, T09S R17E</b> <b>1065 FNL 1001 FWL</b>		9. WELL NO. <b>MONUMENT FEDERAL 11-6</b>	
<b>14. API NUMBER</b> <b>43-013-31362</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5580 GR</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NW/NW Section 6, T09S R17E</b>	
<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>		<b>13. STATE</b> <b>UT</b>	

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

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

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well developed a leak in the tubing, subsequently the leak was repaired. Mr. Al Craver with the EPA and MR. Dennis Ingram with the State DOGM was contacted and gave permission to conduct a MIT on the casing. The casing was pressured to 1090 psi with no loss charted in the 1/2 hour test. No governmental agency was able to witness the test. The well is shut in and waiting on permission to inject.

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

SIGNED Krishna Russell TITLE Production Clerk DATE 3/29/01  
 Krishna Russell

cc: BLM

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED

MAR 30 2001

DIVISION OF  
OIL, GAS AND MINING





## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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



# 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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Stewart*  
Title: *Tech. Services Manager*

Approval Date: 9-20-04

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**9/1/2004**

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

**CA No.**

**Unit:**

**JONAH (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON FED 42-1J	01	090S	160E	4301331404	11492	Federal	WI	A
MON FED 43-11J	11	090S	160E	4301331002	11492	Federal	WI	A
WALTON FED 34-11	11	090S	160E	4301331003	11492	Federal	WI	A
MON FED 23-11J	11	090S	160E	4301331369	11492	Federal	WI	A
MON FED 14-11J	11	090S	160E	4301331374	11492	Federal	WI	A
MON FED 32-11J	11	090S	160E	4301331386	11492	Federal	WI	A
MON FED 41-15	15	090S	160E	4301331367	11492	Federal	WI	A
MON FED 32-15J	15	090S	160E	4301331368	11492	Federal	WI	A
MON FED 23-15	15	090S	160E	4301331373	11492	Federal	WI	A
MON FED 13-5	05	090S	170E	4301331370	11492	Federal	WI	A
MON FED 24-5	05	090S	170E	4301331375	11492	Federal	WI	A
MONUMENT FED 23-5J	05	090S	170E	4301331383	11492	Federal	OW	P
MON FED 22-5	05	090S	170E	4301331384	11492	Federal	WI	A
MONUMENT FED 14-5	05	090S	170E	4301331385	11492	Federal	OW	P
ALLEN FED 31-6	06	090S	170E	4301331195	11492	Federal	WI	A
MONUMENT 33-6	06	090S	170E	4301331361	11492	Federal	WI	A
MON FED 11-6	06	090S	170E	4301331362	11492	Federal	WI	A
MON FED 24-6	06	090S	170E	4301331363	11492	Federal	WI	A
MON FED 42-6	06	090S	170E	4301331364	11492	Federal	WI	A
GETTY 7C	07	090S	170E	4301330961	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

- 1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
- 2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU020252A

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
JONAH UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER  Injection well

8. WELL NAME and NUMBER:  
MON FED 11-6

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331362

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1065 FNL 1001 FWL

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NW, 6, T9S, R17E

STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION	SubDate	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE		<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> ALTER CASING		<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> CASING REPAIR		<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS		<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> CHANGE TUBING		<input type="checkbox"/> PLUG AND ABANDON
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  06/02/2006	<input type="checkbox"/> CHANGE WELL NAME		<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> CHANGE WELL STATUS		<input type="checkbox"/> PRODUCTION (START/STOP)
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS		<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> CONVERT WELL TYPE		<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION
			<input type="checkbox"/> REPERFORATE CURRENT FORMATION
			<input type="checkbox"/> SIDETRACK TO REPAIR WELL
			<input type="checkbox"/> TEMPORARITLY ABANDON
			<input type="checkbox"/> TUBING REPAIR
			<input type="checkbox"/> VENT OR FLAIR
			<input type="checkbox"/> WATER DISPOSAL
			<input type="checkbox"/> WATER SHUT-OFF
			<input checked="" type="checkbox"/> OTHER: - 5 Year MIT

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

On 4/05/05 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 6/2/06. On 6/2/06 the csg was pressured up to 1120 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 2000 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20642-03734 API# 43-013-31362.

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

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE *Callie Duncan*

DATE 06/06/2006

(This space for State use only)

**RECEIVED  
JUN 08 2006**

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 6 / 02 / 06  
 Test conducted by: J.D. Horrocks  
 Others present: \_\_\_\_\_

Well Name: <u>Monument Federal 11-6-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Branch unit</u>		
Location: <u>NW / NW</u> Sec: <u>6</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> / W	County: <u>Duchesne</u>	State: <u>Ut</u>
Operator: <u>Newfield</u>		
Last MIT: <u>  </u> / <u>  </u> / <u>  </u>	Maximum Allowable Pressure: <u>2080</u>	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No    If Yes, rate: 76 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>2000</u> psig	psig	psig
End of test pressure	<u>2000</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1120</u> psig	psig	psig
5 minutes	<u>1120</u> psig	psig	psig
10 minutes	<u>1120</u> psig	psig	psig
15 minutes	<u>1120</u> psig	psig	psig
20 minutes	<u>1120</u> psig	psig	psig
25 minutes	<u>1120</u> psig	psig	psig
30 minutes	<u>1120</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

## MECHANICAL INTEGRITY PRESSURE TEST

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

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



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-020252-A

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MON FED 11-6

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331362

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

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1065 FNL 1001 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 6, T9S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 05/16/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 05/02/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 05/16/2011 the casing was pressured up to 1030 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

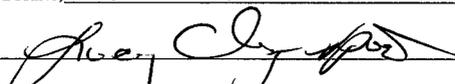
EPA# UT20642-03734 API# 43-013-31362

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE



DATE 05/19/2011

(This space for State use only)

**RECEIVED**  
**MAY 25 2011**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 5 / 16 / 2011  
 Test conducted by: Wade Davis  
 Others present: James Bird

Well Name: <u>Monument Federal</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>11-6-9-17</u> Sec: <u>6</u> T <u>9</u> N <u>(S)</u> R <u>17</u> (E) / W County: <u>Duchesne</u> State: <u>Ut.</u>		
Operator: <u>Newfield</u>		
Last MIT: _____ / _____ / _____ Maximum Allowable Pressure: _____ PSIG		

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No If Yes, rate: 1 bpd

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

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1030</u> psig	psig	psig
5 minutes	<u>1030</u> psig	psig	psig
10 minutes	<u>1030</u> psig	psig	psig
15 minutes	<u>1030</u> psig	psig	psig
20 minutes	<u>1030</u> psig	psig	psig
25 minutes	<u>1030</u> psig	psig	psig
30 minutes	<u>1030</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: Wade Davis



# Balcron Monument Federal #11-6-9-17

Spud Date: 10/29/92  
 Put on production: 11/10/92  
 Put on Injection: 1/22/93  
 GI.: 5320' KB: 5333'

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: ? jts. (?)  
 DEPTH LANDED: 272'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 190 sxs Premium cmt to surface

### PRODUCTION CASING

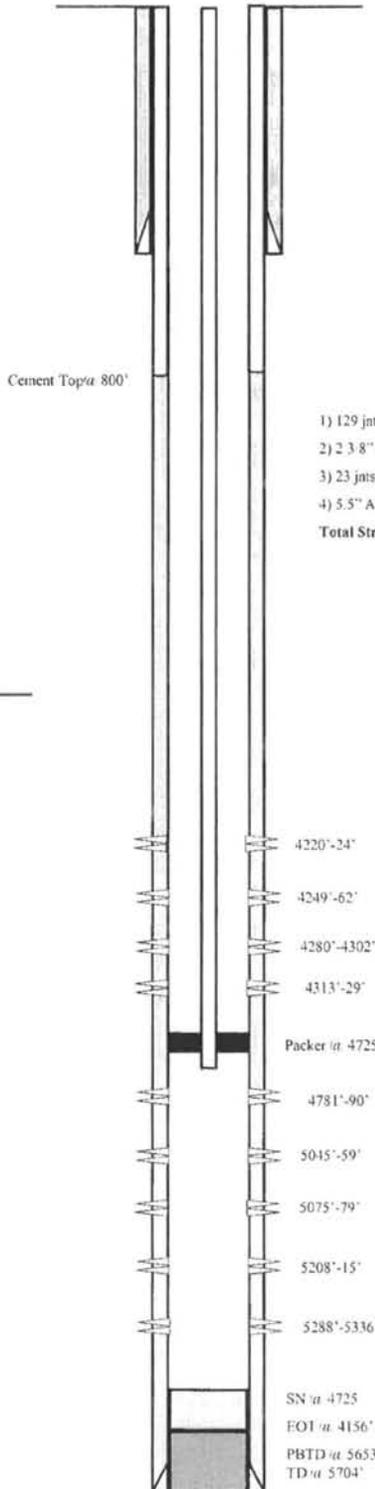
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: ? jts. (5690')  
 DEPTH LANDED: 5703'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 206 sk Hyfill mixed & .495 sxs thixotropic  
 CEMENT TOP AT: 800' per CBL

Inj.

### Equipment and Size length

SIZE GRADE-WT.: 2-7/8" J-55 6.5#  
 NO. OF JOINTS: 129 jts (3983.69')  
 NO. OF JOINTS: 23 jts (727.49') New tubing  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4725.28' KB  
 TUBING PACKER: 4725.28' KB  
 TOTAL STRING LENGTH: EOT @ 4731.48'

### Injection Wellbore Diagram



### FRAC JOB

10/24/92 5208'-5336' **Frac zone as follows:**  
 38,500# 20-40 sand + 4,517# 16-30 sand in 340 bbl. Viking frac fluid. Avg. treating press. 3100 psi @ 30 BPM. ISIP 1850 psi.

10/24/92 4781'-4790' **Frac zone as follows:**  
 27,483# 16-30 sand in 172 bbl. Viking frac fluid. ISIP 1850 psi.

9/3/93 5045'-5079' **Frac zone as follows:**  
 15,000# 16-30 sand in 208 bbl. Viking frac fluid.

6/2/06 **5 Year MIT completed and submitted.**  
 MIT performed on 6/6/01. Witnessed by Al Carver (EPA) and Dennis Ingram (DOGM).

1) 129 jnts. 2.875" tbg 3983.69'  
 2) 2 3/8" SN 1.1'  
 3) 23 jnts 2.875" tbg 727.49'  
 4) 5.5" Arrow Set-1 PKR 6.2'  
**Total String Length 4156'**

### PERFORATION RECORD

Date	Depth Range	SPF	Holes
10-24-92	5208', 5215', 5288', 5293', 5298', 5303', 5313', 5318', 5312', 5327', 5332', 5336' (1 SPF)		
10-24-92	4781', 4783', 4786', 4787', 4790' (1 SPF)		
9-09-93	5045', 5047', 5049', 5051', 5053', 5055', 5057', 5075', 5077', 5079' (1 SPF)		
6-05-01	4220'-4224'	4 SPF	16 holes
6-05-01	4249'-4262'	4 SPF	12 holes
6-05-01	4280'-4302'	4 SPF	88 holes
6-05-01	4313'-4329'	4 SPF	64 holes

**NEWFIELD**

Balcron Monument Federal #11-6-9-17  
 804 FNL 696 FWL  
 NWNW Section 6-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31362; Lease #U-020252A

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: MON FED 11-6
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1065 FNL 1001 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 06 Township: 09.0S Range: 17.0E Meridian: S	9. API NUMBER: 43013313620000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
STATE: UTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/15/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 04/15/2016 the casing was pressured up to 1090 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1617 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-03734

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 April 18, 2016**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/18/2016	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 4 / 15 / 16  
 Test conducted by: Riley Bagley  
 Others present: \_\_\_\_\_

Well Name: <u>Monument Federal</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>11</u> Sec: <u>6 T 9 N / S R 17 E / W</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: _____		
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: <u>1817</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 1092 / 1620 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	1620 psig	psig	psig
End of test pressure	1617 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1092 psig	psig	psig
5 minutes	1092 psig	psig	psig
10 minutes	1092 psig	psig	psig
15 minutes	1092 psig	psig	psig
20 minutes	1092 psig	psig	psig
25 minutes	1091 psig	psig	psig
30 minutes	1090 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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

Monument Federal 11 6 9 17 (5 year MIT 4/15/16)  
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