

UTAH OIL AND GAS CONSERVATION COMMISSION

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

930319 Oper. Mem. to Equitable Res. Energy, Balcron Oil Div.
 Confidential Status Expired 8-28-94

DATE FILED **9-17-92**
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-020252** INDIAN

DRILLING APPROVED: **9-29-92 (EXCEPTION LOCATION)**

SPUDED IN: **11-7-92**

COMPLETED: **1-28-93 POW** PUT TO PRODUCING: **1-28-93**

INITIAL PRODUCTION: **70 BOPD, 25 MCF, 5 BWPD**

GRAVITY A.P.I. **34°**

GOR: **357**

PRODUCING ZONES: **N064-5496 (GRRV)**

TOTAL DEPTH: **5700'**

WELL ELEVATION: **5223 GL**

DATE ABANDONED:

FIELD: **MONUMENT BUTTE**

UNIT:

COUNTY: **DUCHESNE**

WELL NO. **BALCRON MONUMENT FEDERAL #24-5** API NO. **43-013-31375**

LOCATION **765' FSL** FT. FROM (N) (S) LINE. **2243' FWL** FT. FROM (E) (W) LINE. **SE SW** 1/4 - 1/4 SEC. **5**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	17E	5	<i>Equitable Res. Energy</i> BALCRON OIL Div.



BALCRON OIL

A Division of
Equitable Resources Energy Company

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

RECEIVED

SEP 17 1992

DIVISION OF
OIL GAS & MINING

September 16, 1992

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

RE: Applications for Permit to Drill

Enclosed are copies of the Federal Applications for Permit to Drill the seven wells on the attached list. Also attached is a copy of the water permit and one copy of the Archeology Survey which are referenced in the APDs.

Every effort to comply with statewide spacing was made when staking these seven wells. However, in many instances both topographical reasons and requests by the Bureau of Land Management necessitated moving some of the sites from the location which was originally intended. If there is anything else we need to do in order to ensure that these locations are acceptable according to State regulations, please let me know.

Approximate starting dates have been put on the APDs. However, the order of drilling may change depending on when the permits are approved.

As operator we hereby request that the information on 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
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs
Enclosures/Attachments

MONUMENT BUTTE DRILLING PROGRAM

Balcron Monument Federal #13-5
NW SW Section 5, T9S, R17E
Duchesne County, Utah
1980' FSL, 660' FWL
FLS #U-020252
PTD 5,620'
GL 5,224'

Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah
765' FSL, 2243' FWL
FLS #U-020252
PTD 5,600'
GL 5,223'

Balcron Monument Federal #23-11
NE SW Section 11, T9S, R16E
Duchesne County, Utah
1787 FSL, 2147' FWL
FLS #U-096550
PTD 5,750'
GL 5,622'

Balcron Monument Federal #14-11
SW SW Section 11, T9S, R16E
Duchesne County, Utah
1048' FSL, 446' FWL
FLS #U-096547
PTD 5,720'
GL 5,661'

Balcron Monument Federal #41-15
NE NE Section 15, T9S, R16E
Duchesne County, Utah
460' FNL, 500' FEL
FLS #U-017985
PTD 5,700'
GL 5,714'

Balcron Monument Federal #32-15
SW NE Section 15, T9S, R16E
Duchesne County, Utah
1868' FNL, 1993' FEL
FLS #U-017985
PTD 5,610'
GL 5,681'

Balcron Monument Federal #23-15
NE SW Section 15, T9S, R16E
Duchesne County, Utah
1724' FSL, 2078' FWL
FLS #U-017985
PTD 5,700'
GL 5,828'

APPLICATION FOR PERMANENT CHANGE OF WATER RECEIVED

RECEIVED

SEP 17 1992

STATE OF UTAH

APR 17 1987

Rec. by DL
Fee Paid \$ 15.00
Receipt # 22150
Microfilmed _____
Roll # _____

DIVISION OF OIL GAS & MINING

For the purpose of obtaining permission to make a permanent change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

*WATER USER CLAIM NO. 43-9974 *APPLICATION NO. a-14289

Changes are proposed in (check those applicable)
_____ point of diversion. _____ point of return.
 place of use. nature of use.

1. OWNER INFORMATION

Name: Owen Dale Anderson *Interest: _____%
Address: Po Box 1162 Vernal UT 84078

2. *PRIORITY OF CHANGE: _____ *FILING DATE: _____

*Is this change amendatory? (Yes/No): _____

3. RIGHT EVIDENCED BY: 43-3525

Prior Approved Change Applications for this right: 83-43-21 84-43-73 6 14099

***** HERETOFORE *****

4. QUANTITY OF WATER: 0.5 cfs and/or _____ ac-ft.

5. SOURCE: U.G.W. (well)

6. COUNTY: Duchesne

7. POINT(S) OF DIVERSION: South 1167 ft East 340 ft from N 1/4 Corner Section 27 T1S, R2W, USB+M

Description of Diverting Works: _____

8. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is _____ cfs or _____ ac-ft.
The amount of water returned is _____ cfs or _____ ac-ft.

The water will be returned to the natural stream/source at a point(s): _____

*These items are to be completed by Division of Water Rights.

10. NATURE AND PERIOD OF USE

Stockwatering: From Jan 1 to Dec 31
 Domestic: From _____ to _____
 Municipal: From _____ to _____
 Mining: From _____ to _____
 Power: From _____ to _____
 Other: From Jan 1 to Dec 31
 Irrigation: From April 1 to Oct 31

11. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): 250 Livestock Units
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____ Mining District in the _____ Mine.
 Mining: _____
 Ores mined: _____
 Power: Plant name: _____ Type: _____ Capacity: _____
 Other (describe): drilling & completion of oil field location & fish culture
 Irrigation: 55.7 acres. Sole supply of _____ acres

12. PLACE OF USE

Legal description of areas of use other than irrigation by 40 acre tract: n/a

13. STORAGE

Reservoir Name: Unnamed Storage Period: from 11-1 to 3-31
 Capacity: 4.0 ac-ft. Inundated Area: _____ acres
 Height of dam: _____ feet
 Legal description of inundated area by 40 tract: NW NE Sec 27, T15 R2W 215 B & M

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 20.0 ac-ft
 15. SOURCE: UGW Remaining Water: same
 16. COUNTY: Duchesne
 17. POINT(S) OF DIVERSION: same

Description of Diverting Works: _____

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is _____ cfs or _____ ac-ft

The amount of water returned is _____ cfs or _____ ac-ft

The water will be returned to the natural stream/source at a point(s): _____

20. NATURE AND PERIOD OF USE

Stockwatering: From _____ to _____

Domestic: From _____ to _____

Municipal: From _____ to _____

Mining: From _____ to _____

Power: From _____ to _____

Other: From Jan 1 to Dec 31

Irrigation: From _____ to _____

21. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): _____

Domestic: _____ Families and/or _____ Persons

Municipal (name): _____ Mining District in the _____ Mine

Mining: _____ Ores mined: _____ Type: _____ Capacity: _____

Power: Plant name: _____

Other (describe): drilling and completion of oil wells

Irrigation: _____ acres. Sole supply of _____

22. PLACE OF USE

Legal description of areas of use by 40 acre tract: _____

Other: hauled to locations by water trucks as needed

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____

Capacity: _____ ac-ft. Inundated Area: _____ acres

Height of dam: _____ feet

Legal description of inundated area by 40 tract: _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): _____

Change is for oilfield drilling and exploration.

Approximately 4 acre ft^{new} will be taken from

irrigation purposes and used for oilfield purposes
Acres to be irrigated will change from 55.7 to 50 acres
52.7 11.7

undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Quinn Dale Anderson
Signature of Applicant(s)

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

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
765' FSL, 2243' FWL SE SW
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 16 miles from Myton, UT.

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

16. NO. OF ACRES IN LEASE
40 acres

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40

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

19. PROPOSED DEPTH
5,600'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 5,223'

22. APPROX. DATE WORK WILL START*
November 1, 1992

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 w/3% CaCl
See attached	Drilling Program	for production casing.		

EXHIBITS

- "A" Proposed Drilling Program
- "B" Proposed Surface Use Program
- "C" Geologic Prognosis
- "D" Drilling Program/Casing Diagram
- "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" Drillsite Layout/Cut and Fill Diagrams

NOTE: In accordance with request by the Vernal BLM representative, only one copy of EXHIBIT "F" Archeology Report is included with this permit.

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 9-15-92

(This space for Federal or State office use)

PERMIT NO. 43-013-31375 APPROVAL DATE 9/29/92

APPROVED BY [Signature] TITLE DATE: 9/29/92
CONDITIONS OF APPROVAL, IF ANY: BY: [Signature]
WELL SPACING: 649-3-3

*See Instructions On Reverse Side

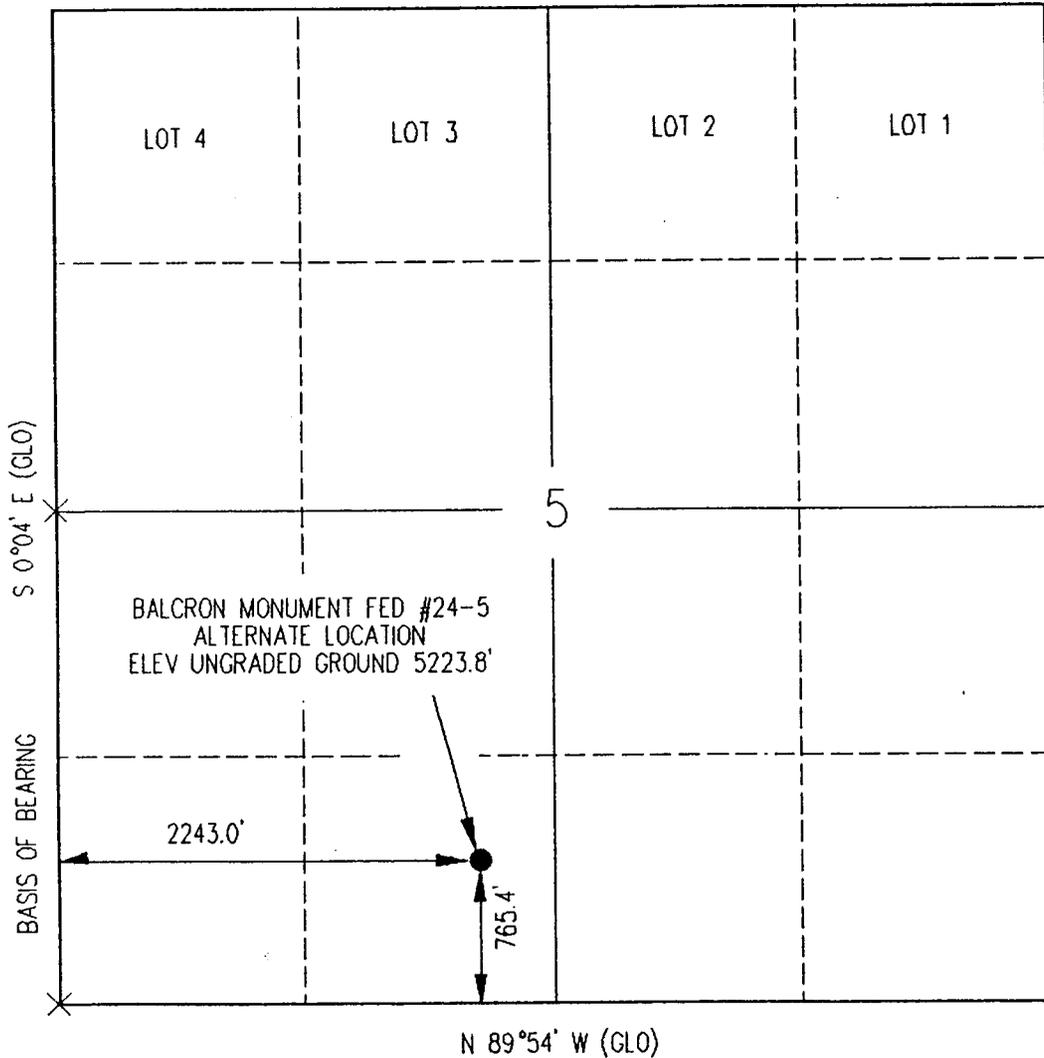
T9S, R16E, S.L.B. & M.

S 89°57' E (GLO)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #24-5,
LOCATED AS SHOWN IN THE SE 1/4 SW 1/4
OF SECTION 5, T9S, R16E, S.L.B. & M,
DUCHESNE COUNTY UTAH.

"1"



BALCRON MONUMENT FED #24-5
ALTERNATE LOCATION
ELEV UNGRADED GROUND 5223.8'

2243.0'

765.4'

N 89°54' W (GLO)

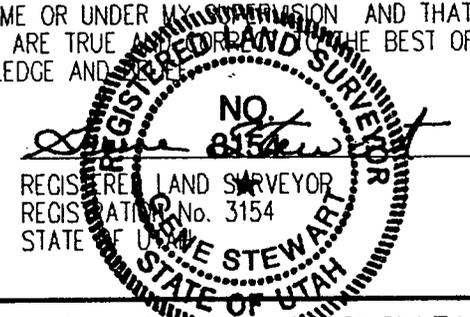
S 0°04' E (GLO)

BASIS OF BEARING

S 0°02' E (GLO)



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

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)

TRI STATE LAND SURVEYING & CONSULTING 38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 8/4/92	WEATHER: CLEAR & HOT
NOTES: ALTERNATE LOCATION	FILE # #M-24-5-A

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #24-5
SE SW Section 5-T9S-R17E
Duchesne County, Utah

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

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the 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/Casing Design (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 this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON MONUMENT FEDERAL #24-5
SE SW Section 5, T9S, R17E
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and four reference stakes are present. 200' & 250' NW and 175' & 225' SW
- B. The Monument Federal #24-5 is located approximately 12 miles Southwesterly of Myton Utah, in the SE1/4 SW1/4 Section 5, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 24-5, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 10 miles to an intersection with Monument Butte Gas Plant road Proceed West along said Gas Plant road 0.9 mile to road intersection, turn left and continue 1.2 miles, turn left and proceed 0.6 miles to existing Balcron well #34-5. Follow flags 700' to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 700 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to 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 will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the 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 shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - 10%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattleguards or fence cuts - none required.

I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map #B.
- 2. Production facilities - see Map #B.
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map #B.

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.

D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.

G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

A. Water to be used for the drilling of these wells will be

hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah.

- B. No water well will be drilled on this location.

6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.

- D. There are no trees on this location.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If at the time of construction it is determined to be necessary, the reserve pit will be

lined with a plastic nylon reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. A compacted soil earthen berm, 2 to 3 feet high will be placed along the South edge of location, a diversion ditch will be built along top side of said berm between corner #1 and corner #2. Corner #2 will be rounded approximately 30' to avoid a natural drainage.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind on the East side of location between corner #5 and corner #6, at least 100' from the wellhead and at least 30' from the reserve pit. This pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.

The reserve pit will not be lined unless requested by the B.L.M. or unless it is deemed necessary by Equitable Resources. If a plastic-nylon reinforced liner is used, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the it as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will upgrade and maintain access roads as

necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seeded will be prepared by dishing, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the following seed mixture:

Pure Live Seed (PLS)	Seed Mix
lbs./acre	
1	Forage Kochia (Kochia prostrata)
5	Ephriam Crested Wheatgrass (Agropyron cristatum Ephriam)
4	Russian Wildrye (Elymus junceus)
2	Fourwing Saltbush (Atriplex canescens)

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
 - (a) re-establishing irrigation systems where applicable,
 - (b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and,
 - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.
 - (a) A silt catchment basin of approximately 1/2 acre foot capacity will be constructed according to BLM specifications approximately 400' West of corner #3, where flagged.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

- A. Topographic and geologic features of the area (reference

Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 11 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks,

hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report will be forwarded upon completion.
 - 4. There are no reported restrictions or reservations noted on the oil and gas lease.

13. Lessee's or Operator's Representative:

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.

September 15, 1992

Date

Bobbie Schuman

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

"C"

BALCRON OIL COMPANY
=====

EXPLORATORY
DEVELOPMENT X

WELL NAME: Balcron Monument Federal #24-5 PROSPECT/FIELD: Monument Butte
LOCATION: 765 FSL, 2243 FWL SECTION 5 TOWNSHIP 9S RANGE 17E
COUNTY: Duchesne STATE: UT GL(Ung): 5223 EST KB: 5233 TOTAL DEPTH 5600'

FORM. TOPS:			Prognosis			Sample Top			Cntrl Wl.		
Formation	Depth	Datum	Depth	Datum	Datum	Formation	Depth	Datum	Depth	Datum	Datum
KB											
Duchesne											
Green River	1469	+3764			+3764						
Horseshoe Bench	2161	+3072			+3072						
Douglas Creek	4583	+650			+650						
Pay #1	5033	+200			+200						
Pay #2	5235	+98			+98						
Wasatch Tongue	5465	-232			-232						
T.D.	5600										

CONTROL WELL: Allen Federal #34-5 dir/oli SW/SE Section 5 Township 9S Range 17E

SAMPLES:
_____, samples, _____, to _____
_____, samples, _____, to _____

LOGS:
_____, DII-SFI, _____, from surface, to TD
_____, LDT-CNI, _____, from surface, to TD
_____, _____, _____, from _____, to _____
_____, _____, _____, from _____, to _____
_____, _____, _____, from _____, to _____
_____, _____, _____, from _____, to _____

Send Samples To:
Utah Geological Survey Sample Library

CORES:
none

DRILL STEM TESTS:
none

MUD LOGGER/HOT WIRE:
Required: (Yes/No) Yes
Type: 2 man unit

WELLSITE GEOLOGIST:
From _____ to _____
Name: _____ Tele. # (_____) _____
Address: _____

COMMENTS:

PREPARED BY: Steve VanDelinder
Keven Reinschmidt

DATE: 8-10-92

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed. 24-5
Project ID: 1	Location: Utah

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 2000 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,600	5-1/2"	15.50	J-55	ST&C	5,600	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2560	4040	1.578	2560	4810	1.88	86.80	202	2.33 J

Prepared by : McCoskery, Billings, MT
 Date : 09-15-1992
 Remarks :

Minimum segment length for the 5,600 foot well is 1,500 feet.
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and
 2,560 psi, respectively.

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



United States Department of the Interior

EXHIBIT "E"
Page 1 of 4



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

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

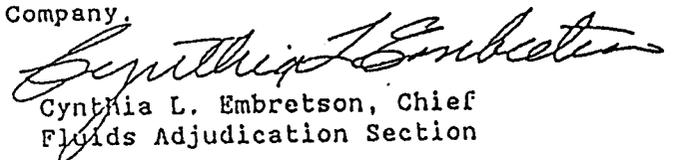
CORPORATE MERGER RECOGNIZED
RIDER TO NATIONWIDE BOND ACCEPTED

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, Chief
Fluids Adjudication Section

1 Enclosure
1-Exhibit A

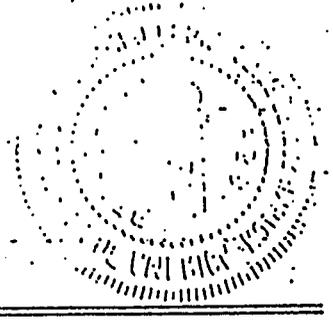
cc: (w/encl.)
AFS, Denver (1)
All DMS (1 ea.)
RMO Section (1)
Regional Forester, Lakewood (2)
Regional Forester, Missoula (2)
Bureau of Reclamation (1)

Form 3104-8
(July 1984)

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



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. VEHAR; 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."

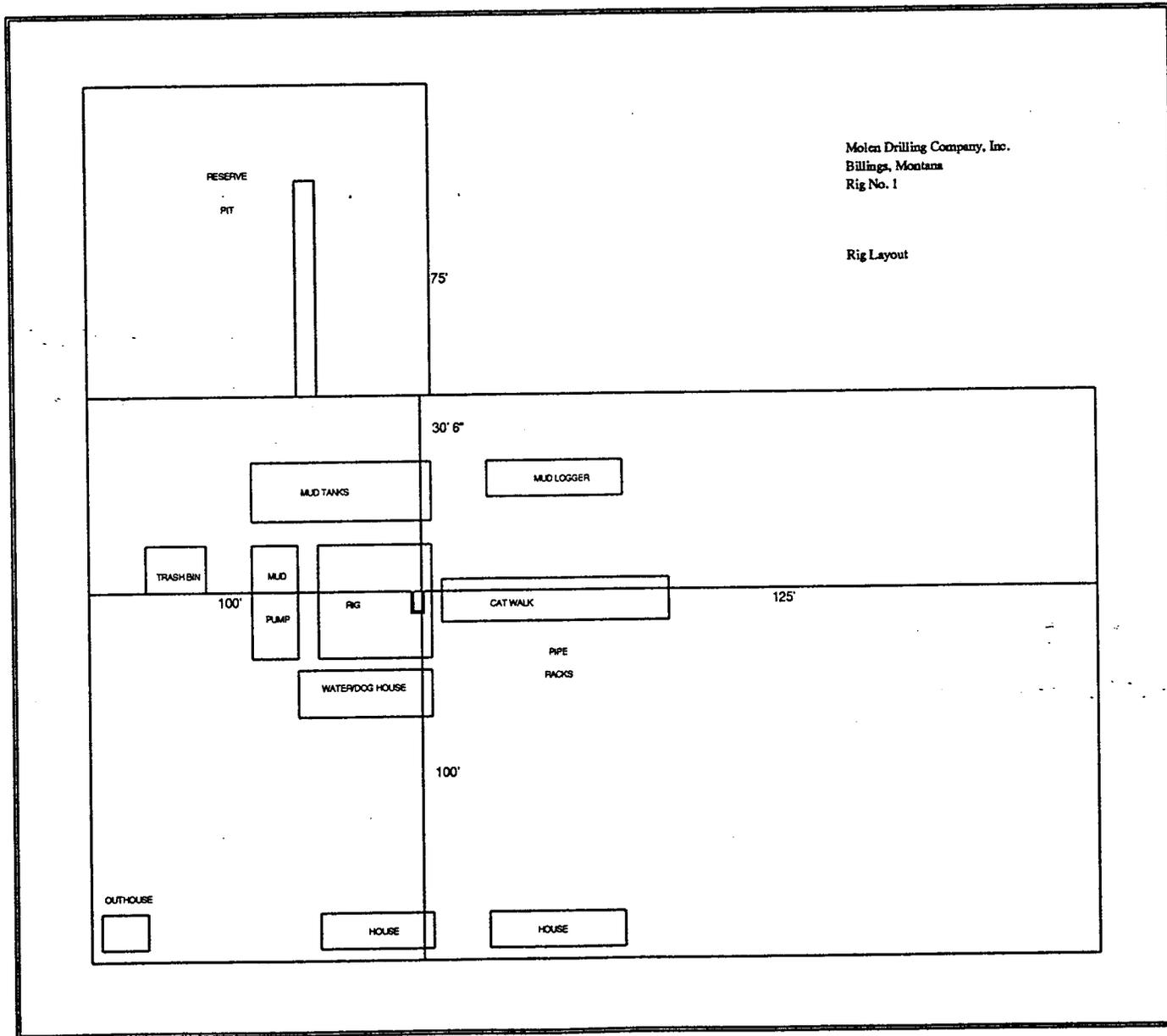
Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"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

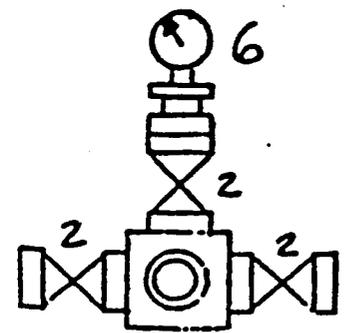
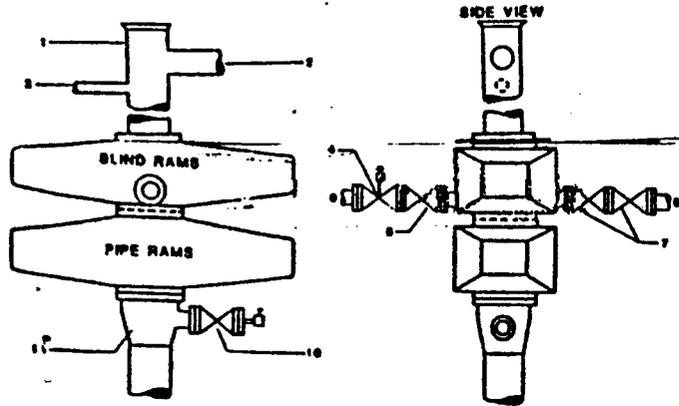
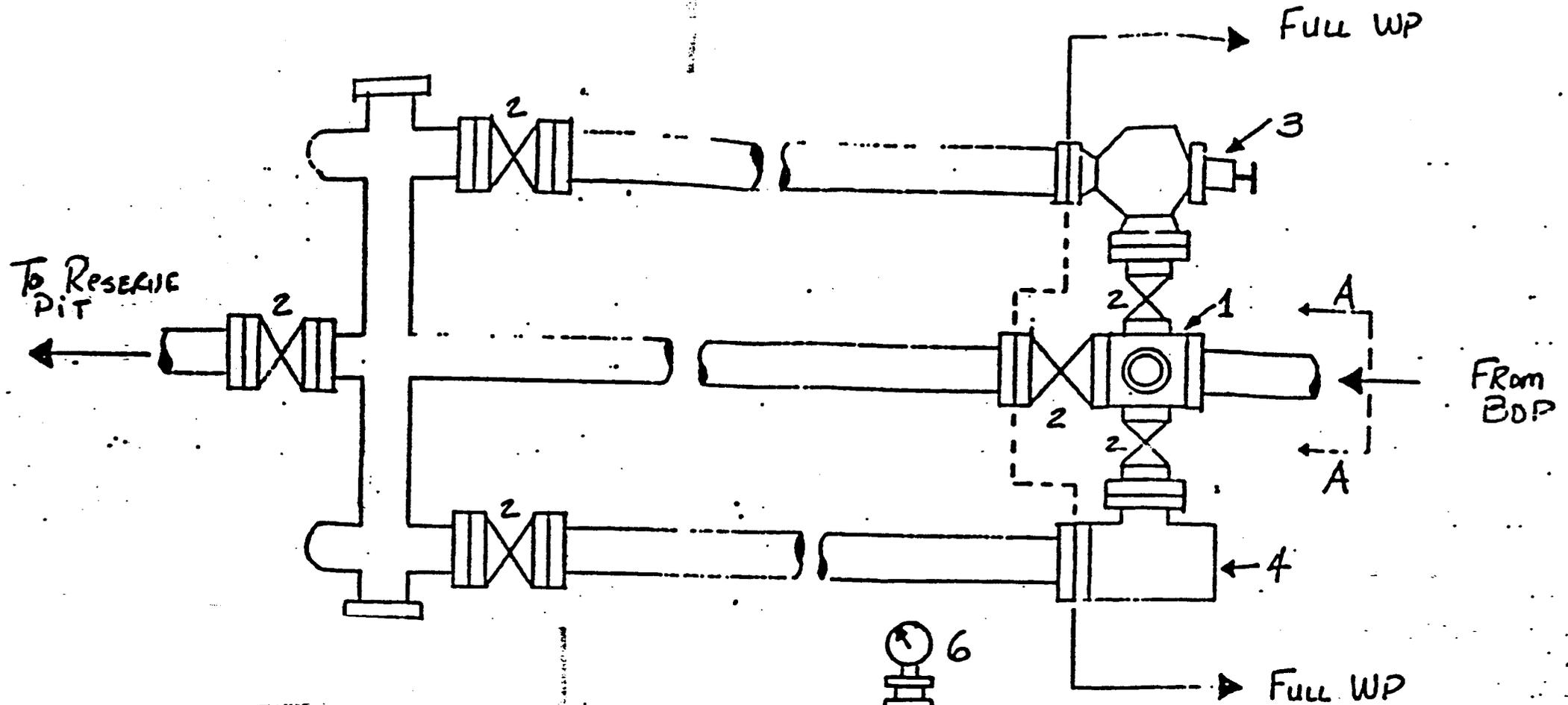
this 10th day of April, 19 89.



Molen Drilling Company, Inc.
 Billings, Montana
 Rig No. 1

Rig Layout

EXHIBIT "G"
 Rig Layout

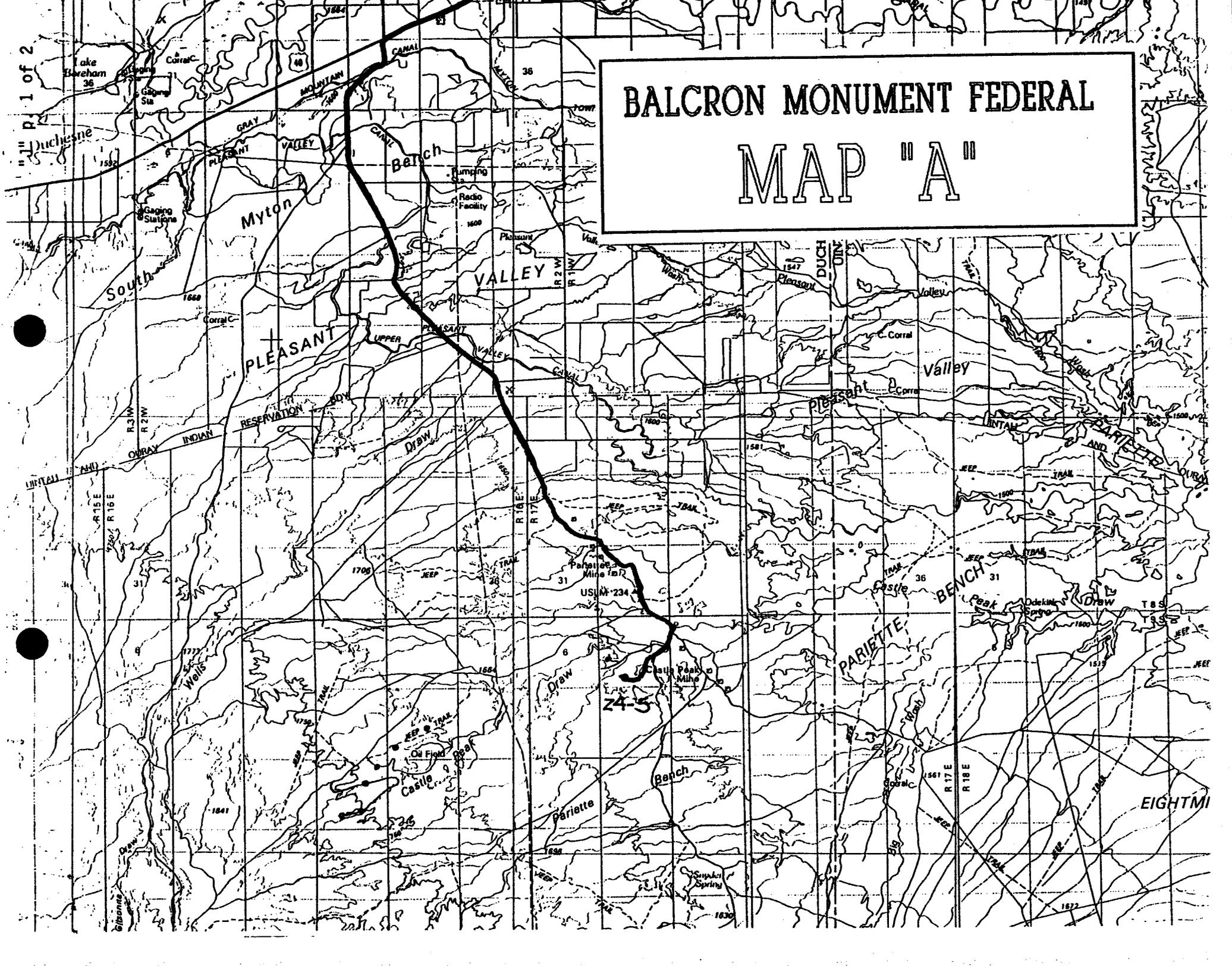


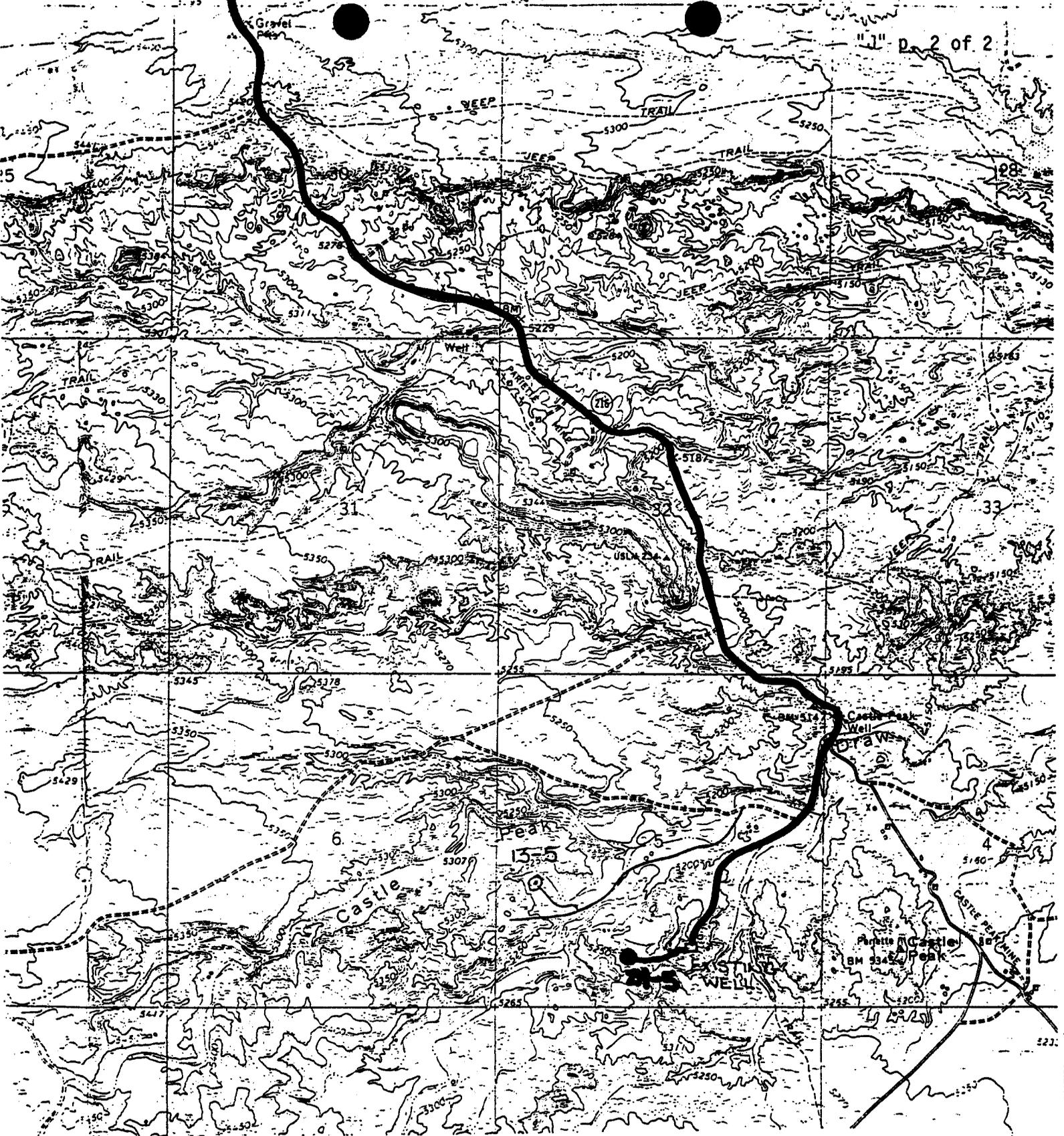
VIEW A-A

1. Cross
2. Gate Valve
3. Adjustable Choke
4. Positive Choke
5. Welded Ball Plug, Lead Filled
6. 2" - 3000-psi mud pressure gauge

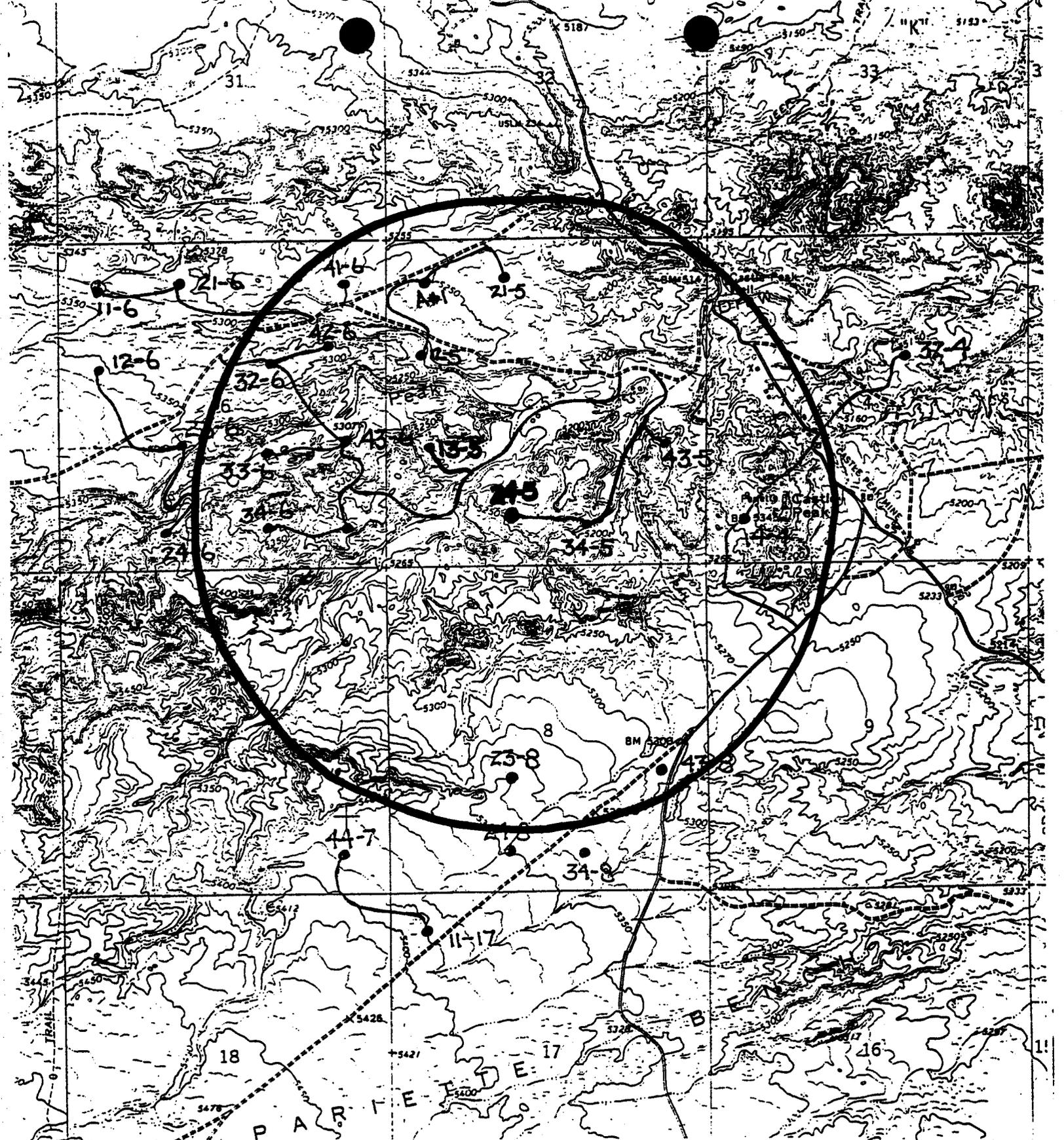
Note: All lines must be securely anchored.

BALCRON MONUMENT FEDERAL MAP "A"





BALCRON MONUMENT FEDERAL
MAP "B"



BALCRON MONUMENT FEDERAL
MAP "C"

"L"

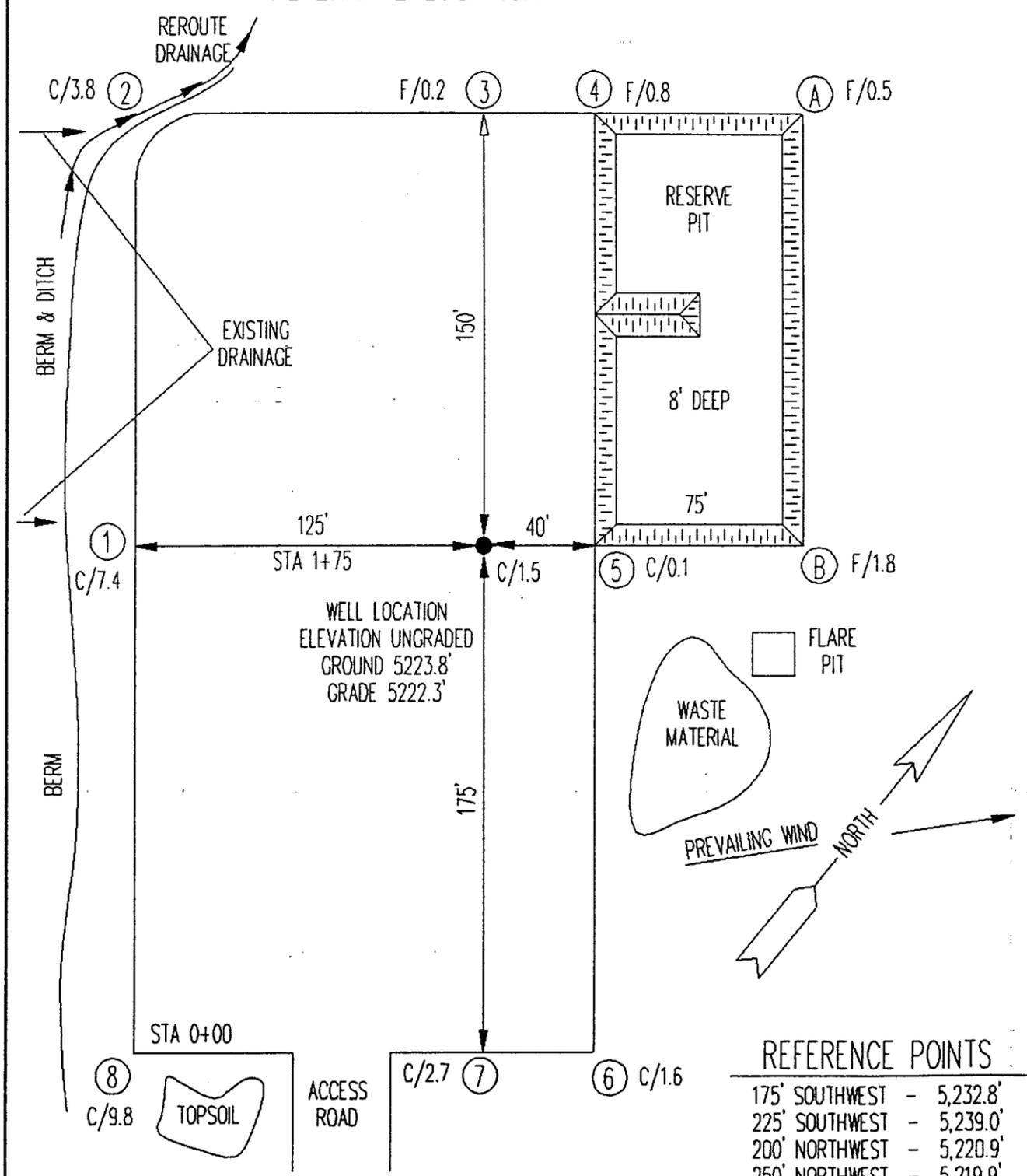
RECEIVED

SEP 17 1992

DIVISION OF OIL GAS & MINING

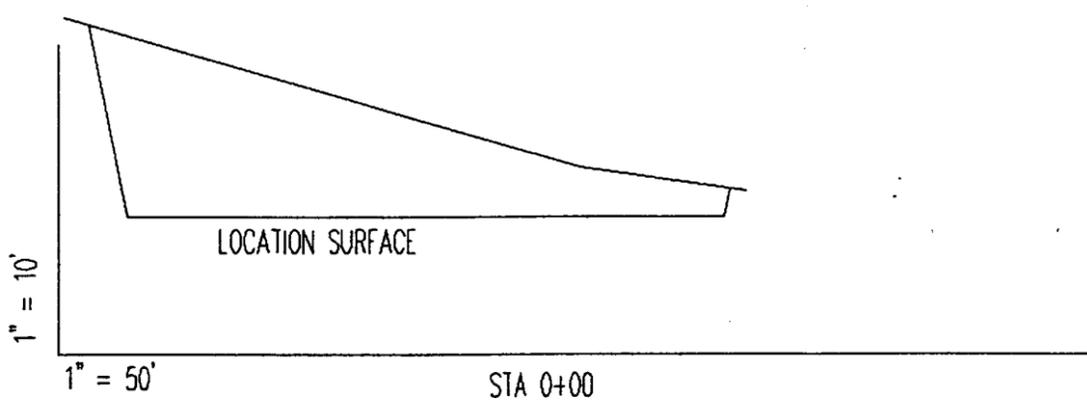
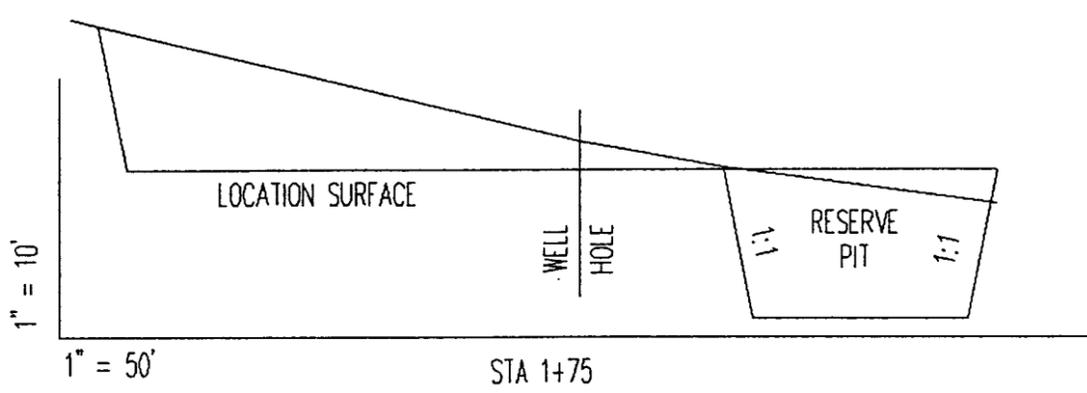
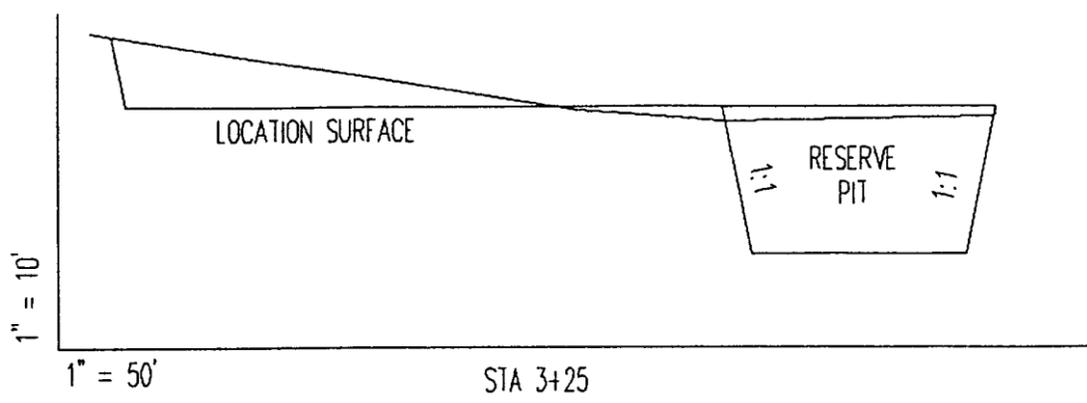
BALCRON MONUMENT FEDERAL

WELL PLAT #24-5
ALTERNATE LOCATION



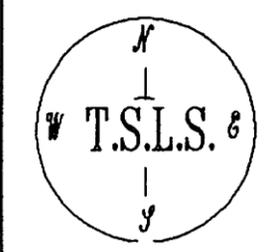
REFERENCE POINTS

175' SOUTHWEST	-	5,232.8'
225' SOUTHWEST	-	5,239.0'
200' NORTHWEST	-	5,220.9'
250' NORTHWEST	-	5,219.9'



APPROXIMATE YARDAGE

LOCATION	PIT
CUT = 6,942.0	CUT = 2,689.3
FILL = 59.2	FILL = 77.0



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

**CULTURAL RESOURCE EVALUATION
OF SEVEN PROPOSED WELL LOCATIONS IN THE
CASTLE PEAK DRAW LOCALITY
OF DUCHESNE COUNTY, UTAH**

Report Prepared for BALCRON OIL COMPANY

Dept. of Interior Permit No.: UT-92-54937
AERC Project 1348 (BLCR-92-5)

Utah State Project No.: UT-92-AF-498b

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



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

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

September 8, 1992

ABSTRACT

Intensive cultural resource evaluations have been conducted for Balcron Oil Company of seven proposed well locations on federal lands in the Castle Peak Draw locality of Duchesne County, Utah. These seven locations involved a total of 66 acres of which 6 acres (.5 mile) includes two access routes associated with Units 24-5 and 23-15. The remaining 60 acres involves ten acre parcels at six of the proposed Units (24-5, 14-11, 23-11, 23-15, 32-15, and 41-15). Unit 13-5 was not examined since it had been previously evaluated by AERC (Hauck 1981). These evaluations were conducted by F. Richard Hauck on September 3, 1992.

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

No diagnostic isolated artifacts were observed during the evaluations.

One newly identified cultural resource activity locus was identified, evaluated, and recorded during the examinations. This site (42DC 761) consists of a non-significant lithic scatter associated with the access route into Unit 23-15.

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

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LIST OF MAPS OF THE PROJECT AREA

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GENERAL INFORMATION

On September 3, 1992, AERC archaeologist F.R. Hauck conducted intensive cultural resource evaluations for Balcron Oil Company of Billings, Montana. These examinations involved six separate well locations (24-5, 14-11, 23-11, 23-15, 32-15, and 41-15) and two linear access route evaluations totalling .5 mile associated with Units 24-5 and 23-15. Unit 13-5 was not included in the evaluations since it was previously examined for cultural loci and materials in 1981 (Hauck 1981). This project area is situated in the Castle Peak Draw locality of Duchesne County, Utah.

This project is situated on federal lands administered by the Diamond 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 potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations requires an archaeological evaluation in compliance with the Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management relative to the locations on public lands, and to the Antiquities Section of the Utah State Division of History. This work was done under U.S. Department of Interior Permit for Utah UT-92-54937 which expires on January 31, 1993.

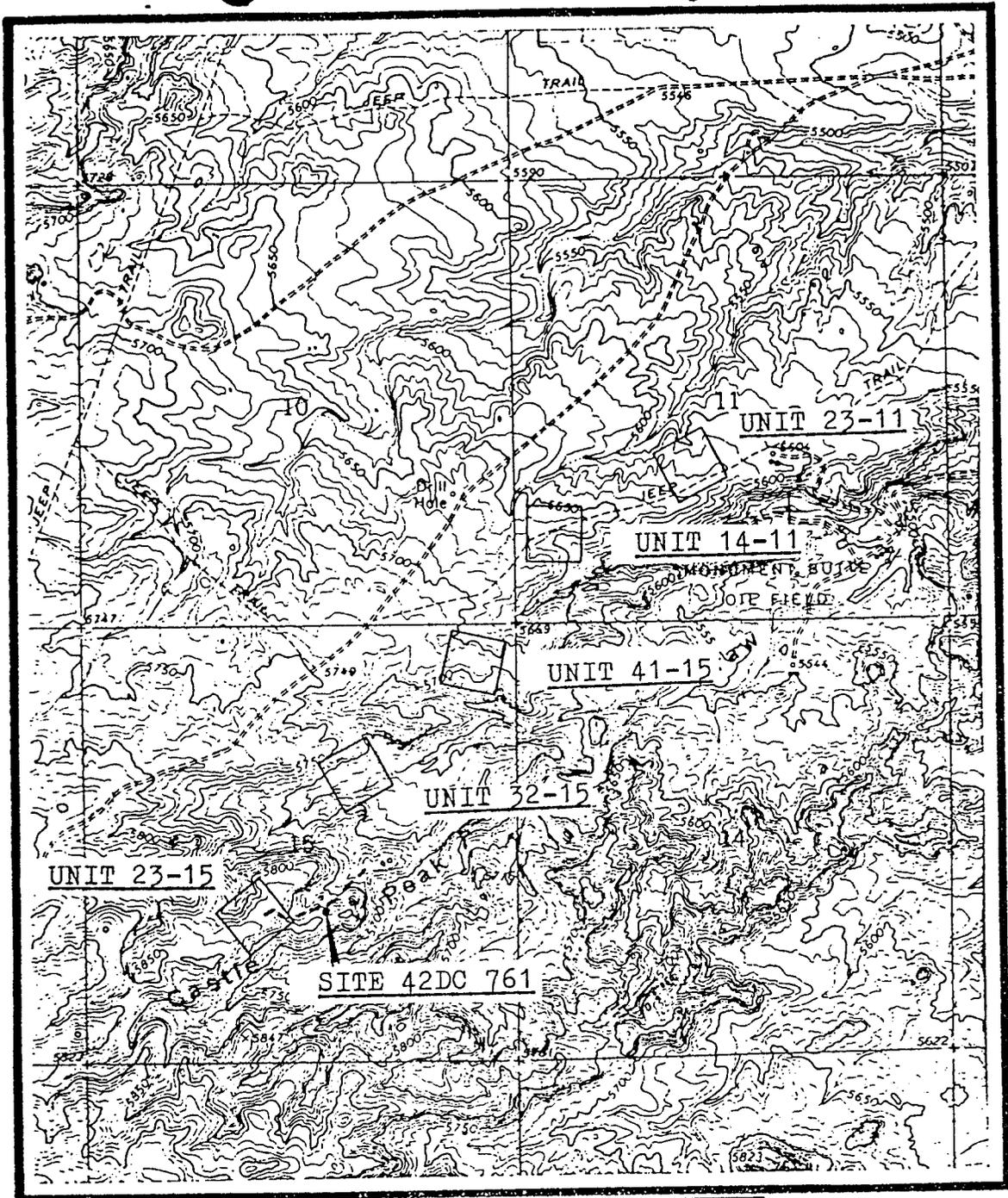
The six evaluated well locations involved 10 acre parcel evaluations for a total of 60 acres evaluated. Two 15 to 20 meter-wide survey transects were walked within the 100 foot-wide corridors covering a total distance of .5 mile or some 6 acres.

Project Location

The project location is in the Vernal District of the Bureau of Land Management. It is situated on the Myton SE, 7.5 minute topographic quad as shown on the attached maps.

Units 13-5 and 24-5 are situated in the SW and SE quarters of Section 5, Township 9 South, Range 17 East. Units 14-11 and 23-11 are in the SW quarter of Section 11, Township 9 South, Range 16 East. The last three units (23-15, 32-15, and 41-15) are respectively situated in the SW and NE quarters of Section 15, Township 9 South, Range 16 East.





T. 9 South
 R. 16 East
 Meridian: SL
 Quad: Myton
 SE, Utah

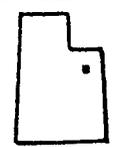
MAP 2
 Cultural Resource Survey
 of Proposed Well Units in
 the Castle Peak Draw
 Locality, Duchesne County

Legend:
 Ten Acre Survey Area 
 Access Route 
 Cultural Site 



Project: BLCR-92-5
Series: Uinta Basin
Date: 9-8-92

Scale: 1:24000



A short access route to Unit 24-5 extends from the SE quarter of Section 5 to the west into the SW quarter of that same section (see Map 1). The second access route links Unit 23-15 to an existing well in the SE quarter of Section 15 (see Map 2).

Environmental Description:

The project areas range within the 5200 to 5900 foot elevation zone above sea level. Open rangeland terrain surfaces are associated with all locations.

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

The geological associations within the project area consist of fluvial and 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 September 8, 1992. A similar search was conducted in the Vernal District Office of the BLM on September 3, 1992. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Castle Peak Draw locality. Most of these prehistoric resources, including 42DC 349, 350, 351, 352, 353, and 732 have been identified and recorded by AERC during previous evaluations (Hauck 1981, 1992a).

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

The majority of known sites in this project area are lithic scatters (42DC 349, 350, and 353). Open occupations such as 42DC 352 are also present. Site 42DC 351 is a rock shelter. Based on the recovery of a Folsom point and a Desert Side-notch arrow point, a possible Paleoindian component and a more recent Numic component exist on Site 42DC 353. Sites in the project locality generally appear to have been occupied during the Archaic Stage and the Late Prehistoric Period.

Site density in Castle Peak Draw appears to range from six to over ten sites per section in the project locality. This moderate to high density decreases substantially on the benches.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking 10 to 20 meter wide transects within each ten acre parcel associated with a well location. In addition, double 15 to 20 meter-wide transects were walked flanking the flagged centerline. Thus, ca. .5 mile or 6 acres of public lands associated with the two access routes and another 60 acres associated with six of the seven well locations were examined by F.R. Hauck. Unit 13-5 was not examined since it had already been evaluated by AERC in the past (Hauck 1981).

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

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

Results of the Inventory:

A single non-significant prehistoric cultural resource activity locus was observed, evaluated and recorded during the archaeological evaluations. This site has been subsequently listed in the State and BLM files as 42DC 761.

Site 42DC 761 consists of a small, bare rockshelter that opens to the east. The slope below the shelter contains four fragments of detritus. The shelter has no depth potential based on a trowel test in its entrance and one just outside the

entrance. The sparsity of material remains and lack of depth suggest the site was occupied possibly during a single episode related to core reduction.

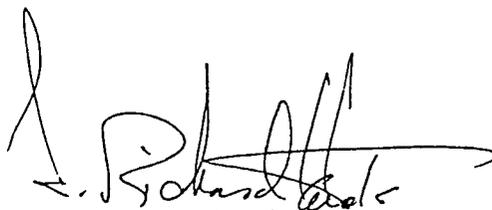
No previously recorded cultural sites will be adversely affected by the proposed pipeline developments. Site 42DC 353 is situated in the vicinity of the present development program but will not be affected by the proposed development.

No isolated diagnostic artifacts were observed or collected during the survey on BLM administrated lands.

CONCLUSION AND RECOMMENDATIONS

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

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways 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.



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. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation (AERC), Bountiful.

1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.

1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation (AERC), Bountiful.

1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation (AERC), Bountiful.

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

1. Report Title

BALCRON OIL CO. UNITS 13-5, 24-5, 14-11, 23-11, 23-15,
32-15 and 41-15

2. Development Company _____

3. Report Date 9 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 - 5 Duchesne
County _____

6. Fieldwork
7. Resource Location: TWN RNG Section. . . | . . . | . . . | . . . |
Area TWN RNG Section. . . | . . . | . . . | . . . |
.D.M.

8. Description of Examination Procedures: The archeologist, F.R. Hauck, intensively examined the 10 acre locations for six of these wells (24-5, 14-11, 23-11, 23-15, 32-15, and 42-15 and new access corridors (as shown on the attached maps) by walking a series of 10 to 20 meter-wide transects flanking the flagged centerline and within the flagged well pad. Unit 13-5 was previously evaluated in 1981 by AERC and was not reexamined.

9. Linear Miles Surveyed 5
and/or
Definable Acres Surveyed
and/or
Legally Undefinable Acres Surveyed 6 6
10. Inventory Type I
R = Reconnaissance
I = Intensive
S = Statistical Sample

11. Description of Findings: One cultural resource site was identified during the survey. This lithic scatter was observed in association with the access route into Unit 23-15. This site (42DC 761) is not a significant resource.
12. Number Sites Found .1. (No sites = 0)
13. Collection: .N. (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 9-8-92
Vernal District Office Records 9-3-92

16. Conclusion/ Recommendations:

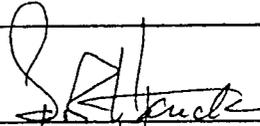
AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations:

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.

17. Signature of Administrator
& Field Supervisor

UT 8100-3 (2/85)

Administrator



Field
Supervisor



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 09/17/92

OPERATOR: BALCRON OIL

OPERATOR ACCT NO: N- 9890

WELL NAME: BALCRON MONUMENT FEDERAL 24-5

API NO. ASSIGNED: 43-013-31375

LEASE TYPE: FED

LEASE NO: 0-2225

LOCATION: SESW 05 - T09S - R17E

DUCHESNE COUNTY

FIELD: MONUMENT BUTTE

FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

- Plat
- Bond
(Number federal)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number 43-9974 a-14089)
- RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

- R649-2-3. Unit: _____
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.
- Board Cause no: _____
- Date: _____

COMMENTS:

time add producing wells within Sec 5.

STIPULATIONS:

CONFIDENTIAL
PERIOD
EXPIRED
ON 0-08-94



BALCRON OIL

A Division of
Equitable Resources Energy Company

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

RECEIVED
SEP 25 1992
BUREAU OF LAND MANAGEMENT
U.S. DEPARTMENT OF THE INTERIOR

September 22, 1992

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

ATTENTION: Tammy Searing

Gentlemen:

RE: Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah

The referenced well is an exception to location due to a request by the Bureau of Land Management to move the location.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter
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

September 29, 1992

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

Gentlemen:

Re: Balcron Monument Federal #24-5 Well, 765 feet from the south line, 2243 feet from the west line, SE 1/4 SW 1/4, Section 5, Township 9 South, Range 17 East, Duchesne County, Utah

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

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

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. 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
Equitable Resources Energy Company
Balcron Monument Federal #24-5 Well
September 29, 1992

6. 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 43-013-31375.

Sincerely,



R.O. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Bureau of Land Management
J.L. Thompson
WOI1

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

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

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

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

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
 765' FSL, 2243' FWL SE SW
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 16 miles from Myton, UT. See EXHIBIT B

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
 40 acres

17. NO. OF ACRES ASSIGNED
 TO THIS WELL
 40

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

19. PROPOSED DEPTH
 5,600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GL 5,223'

22. APPROX. DATE WORK WILL START*
 November 1, 1992

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 w/3% CaCl
See attached Drilling Program for production casing.				RECEIVED

- EXHIBITS
- "A" Proposed Drilling Program
 - "B" Proposed Surface Use Program
 - "C" Geologic Prognosis
 - "D" Drilling Program/Casing Diagram
 - "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" Drillsite Layout/Cut and Fill Diagrams

NOTE: In accordance with request by the Vernal BLM representative, only one copy of EXHIBIT "F" Archeology Report is included with this permit.

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 9-15-92
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE Acting ADM - Minerals DATE 10/29/92
 CONDITIONS OF APPROVAL, IF ANY _____

NOTICE OF APPROVAL

*See Instructions On Reverse Side

44080-207-277

WELL LOCATION INFORMATION

Company/Operator: Equitable Resources Energy Co.

API Number 43-013-31375

Well Name & Number: 24-5

Lease Number: U-020252-A

Location: SESW Sec. 5 T. 9 S. R. 17 E.

Surface Ownership: Federal

Date NOS Received August 13, 1992

Date APD Received September 17, 1992

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. As per Equitable Resources Energy Company, a double ram BOP stack will be used instead of the annular preventer as identified in the BOP diagram. 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.

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 2,850 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to \pm 2,650 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

All off-lease storage, off-lease measurement, or commingling 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, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

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

Fall seeding is recommended between September 15 and when the ground freezes. Spring seeding, to be effective, will be completed after the frost has left the ground up until April 30.

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.

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

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. # 24-5

9. API Well No.
43-013-31375

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)
SE SW Section 5, T9S, R17E
765' FSL, 2243' 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>change of total depth</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 permitted to 5,580'. Operator requests approval to drill this well to a total depth of 5,800'.

RECEIVED

NOV 04 1992

DIVISION OF
OIL, GAS & MINING

11-5-92
[Signature]

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

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

Coordinator of Environmental
and Regulatory Affairs

Date 11-2-92

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BALCRON 43-013-31375

WELL NAME: MONUMENT FEDERAL 24-5

Section 5 Township 9S Range 17E County DUCHESNE

Drilling Contractor MOLEN

Rig # 1

SPUDDED: Date 11/7/92

Time 10:00 AM

How DRY HOLE

CONFIDENTIAL

Drilling will commence _____

Reported by BOBBIE SCHUMAN

Telephone # 1-406-259-7860

Date 11/9/92 SIGNED FRM



BALCRON OIL

A Division of
Equitable Resources Energy Company

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

November 9, 1992

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

Gentlemen:

RE: Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah

Enclosed is a copy of our Federal sundry notice of spud of the referenced well. Also enclosed is our Entity Action form for this well.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

RECEIVED

NOV 12 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

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

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)

SE SW Section 5, T9S, R17E

765' FSL, 2243' FWL

8. Well Name and No.

Balcron Monument Fed. # 24-5

9. API Well No.

43-013-31375

10. Field and Pool, or Exploratory Area

Monument Butte/Green Riv

11. County or Parish, State

Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Notification of spud</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 spud at 10 a.m. 11/7/92 by Parker Air Drilling.

RECEIVED

NOV 12 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 9, 1992

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

OPERATOR BALCRON OIL

OPERATOR ACCT. NO. N9890

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	11445	43-013-31375	Balcron Monument Federal 24-5	SE SW	5	9S	17E	Duchesne	11/7/92	11/7/92
WELL 1 COMMENTS: Spud of new well. <i>Entity added 11-13-92. Jg</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

RECEIVED

NOV 12 1992

DIVISION OF
OIL GAS & MINING

Bobbie Schuman

Signature
Coordinator of Environmental and
Regulatory Affairs 11-9-92
Title Date

Phone No. 406 259-7860

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

11-18-92 TD: 908' (637') Day 1
Formation: Duchesne
MW 8.5 VIS 27 pH 12
Present Operation: Drilling
RU, NU & test stack - OK. BOP & manifold & line to
2000#. Surface pipe to 1500#. Drill cmt & shoe. Drill
& survey.
DC: \$9,857 CC: \$40,280

11-19-92 TD: 2,105' (1,197') Day 2
Formation: Green River
MW 8.4 VIS 27 pH 9
Present Operation: Survey
Drill, survey, & clean on rig.
DC: \$14,742 CC: \$55,022

11-20-92 TD: 2,918' (813') Day 3
Formation: Green River
Present Operation: Drilling
DC: \$11,140 CC: \$66,162

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

- 11-18-92 TD: 908' (637') Day 1
Formation: Duchesne
MW 8.5 VIS 27 pH 12
Present Operation: Drilling
RU, NU & test stack - OK. BOP & manifold & line to 2000#. Surface pipe to 1500#. Drill cmt & shoe. Drill & survey.
DC: \$9,857 CC: \$40,280
- 11-19-92 TD: 2,105' (1,197') Day 2
Formation: Green River
MW 8.4 VIS 27 pH 9
Present Operation: Survey
Drill, survey, & clean on rig.
DC: \$14,742 CC: \$55,022
- 11-20-92 TD: 2,918' (813') Day 3
Formation: Green River
Present Operation: Drilling
DC: \$11,140 CC: \$66,162
- 11-21-92 TD: 3,716' (798') Day 4
Formation: Green River
MW 8.4 VIS 27 pH 11
Present Operation: Repair rotary chain.
Drill, survey, clean on rig, work on mud pump, repair rotary chain. 3200 units gas.
DC: \$10,550 CC: \$76,712
- 11-22-92 TD: 4,391' (675') Day 5
Formation: Green River
MW 8.5 VIS 27 pH 10
Present Operation: Drilling
Drill, survey, clean on rig. Work on mud pump. 3000 units gas.
DC: \$9,185 CC: \$85,897
- 11-23-92 TD: 4,842' (451') Day 6
Formation: Green River
MW 9.3 VIS 27 pH 10
Present Operation: Drilling
Drill, survey, clean on rig. Close well in & check pressure on csg, 29# in 15 min. Haul 3 loads brine wtr & get wt. to 8.9. Start mixing salt to get wt to 9.4. Repair pump. Still mixing salt. Background gas - 1500 - 2000 units.
DC: \$7,641 CC: \$93,538

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

11-24-92 TD: 5,250' (408') Day 7
Formation: Green River
MW 9.5 VIS 27 pH 9.5
Present Operation: Drilling
Drill, survey, get mud wt to 9.5 & keep it there. Mud still going over drlg nipple when going over shaker. Unload 124 jts 5-1/2" csg. Still got shaker bypassed.
DC: \$7,219 CC: \$100,830

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



BALCRON OIL

A Division of
Equitable Resources Energy Company

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

November 30, 1992

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

Gentlemen:

RE: Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah

Enclosed is a sundry notice reporting intent to change
from a drilling rig to a completion rig.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining

RECEIVED

DEC 02 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

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. # 24-5

9. API Well No.
43-013-31375

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

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)
SE SW Section 5, T9S, R17E
765' FSL, 2243' 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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>change in 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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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 change from a drilling rig to a completion rig on this well. Drilling rig was released at 8 p.m. 11/26/92. Completion will be done by Cannon Well Service.

RECEIVED

DEC 02 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 11-30-92
(This space for Federal or State office use)

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

WELL REPORT
MONUMENT BUTTE FIELD

BALCRON OIL COMPANY
24-5 MONUMENT FEDERAL 43-012-31375
SE SW SECTION 5, T 9 S, R 17 E
DUCHESNE CO. UTAH

FRANK A. RADELLA, INC.

1601 Lewis Suite 202E
Billings, MT 59102

FRANK A. RADELLA
Ofc. 406 - 245-5375

RES. 656-7215

FRANK A. RADELLA, INC.

Oil & Gas Exploration & Consulting

1601 Lewis
Billings, Montana 59102
(406) 245-5375

Balcron Oil Company
24-5 Monument Federal
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T9S-R17E
Duchesne County, Utah

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3	Production Casing
4	Dual Induction Log Tops
5-6	Mud Log and Sample Shows Listed
7	Penetration Chart
8	Surveys and Bit Record
9	Daily Mud Check and Cost
10-11	Daily Drilling History
12-24	Sample Descriptions
Insert	Drill Time-Litholog

By:
Frank A. Radella

Certified Petroleum Geologist

AIPG AAPG

RECEIVED

DEC 07 1992

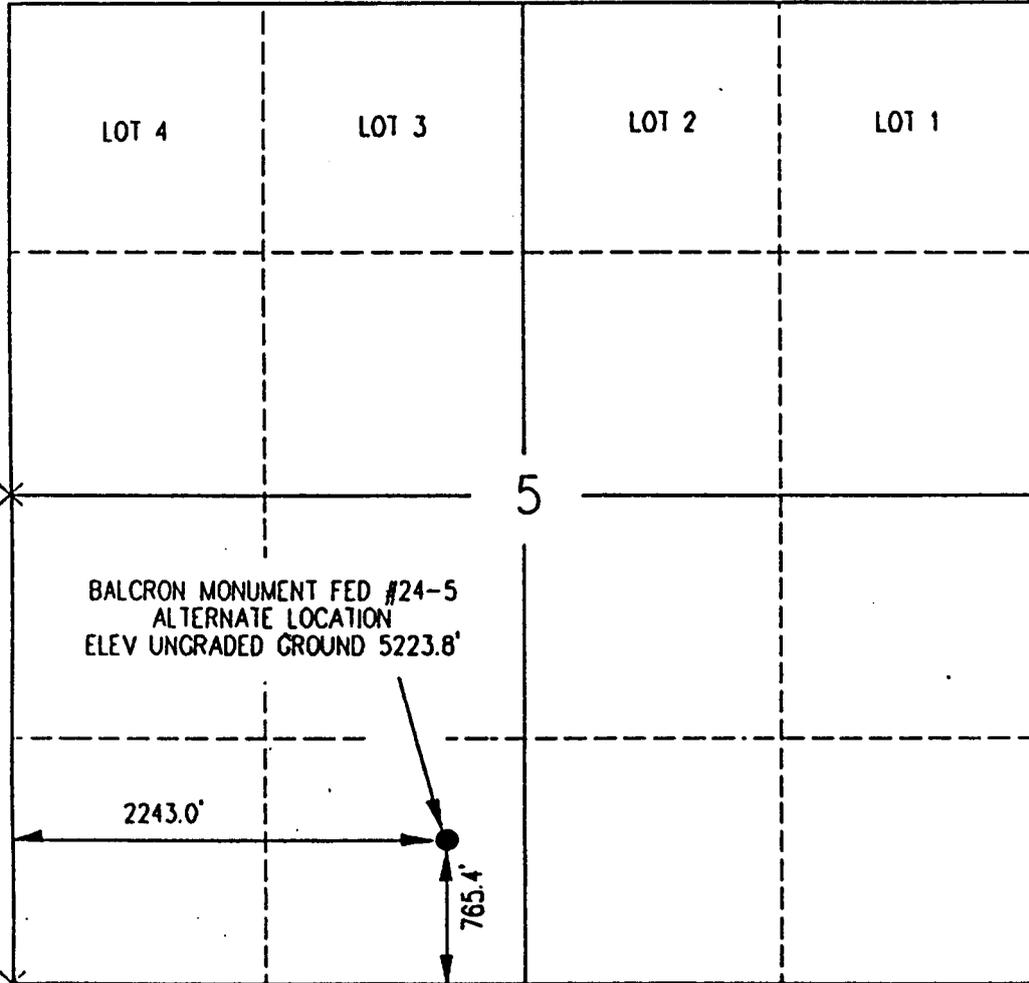
DIVISION OF
OIL, GAS & MINING

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

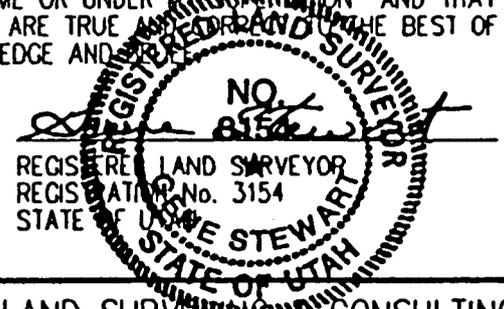
S 89°57' E (GLO)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #24-5,
LOCATED AS SHOWN IN THE SE 1/4 SW 1/4
OF SECTION 5, T9S, R16E, S.L.B. & M,
DUCHESNE COUNTY UTAH.



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



TRI STATE LAND SURVEYING & CONSULTING 38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 8/4/92	WEATHER: CLEAR & HOT
NOTES: ALTERNATE LOCATION	FILE # M-24-5-A

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

235

-1-

FRANK A. RADELLA, INC.

Oil & Gas Exploration & Consulting

1601 Lewis
Billings, Montana 59102
(406) 245-5375

OPERATOR: Balcron Oil Company

WELL NAME: 24-5 Monument Butte Federal

LOCATION: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5 (765' FSL x 2243' FWL) T9S-R17E

COUNTY: Duchesne

STATE: Utah

ELEVATIONS: G.L. 5223' K.B. 5236'

SPUD DATE: 11-7-92 @ 10:00 AM

OUT FROM UNDER
SURFACE CASING: 11-17-92 @ 4:15 PM

REACH T.D.: 11-25-92 @ 9:45 AM

RIG RELEASE: 11-26-92 @ 8:00 PM

DAYS OUS THROUGH LOGGING: 9 TO RIG RELEASE: 10

TOTAL DEPTH: 5700' Driller, 5102' Logger

HOLE SIZE: 12 1/2" to 271'; 7 7/8" 271-5700'

STATUS: To complete as field well or water injector

PENETRATION: 266 feet below Wasatch Tongue Marker

GEOLOGIST: Frank A. Radella, Consultant

DRILLING ENGINEER: Al Plunkett, Consultant

LOGGING PROGRAM: Halliburton Logging Service, K. Evatt,
Engineer. Truck 52546 Vernal, Utah
Dual Laterolog MSFL 100-5699
Comp Density Dual Neutron Log 2200-5699

LOST CIRCULATION ZONES
OR DRILLING PROBLEMS:

1) Encountered gas kick @ 2580. Gas would unload as gas cut water over the bell nipple while drilling when going over the shaker. Drilled bypassing the shaker for the most part from 2580 to T.D. Could not use mud loggers to analyze the mud for gas because of high readings of 3000 to 4000 units and bypassing the shaker as mentioned. Attempted to kill flow by using brine water up to 9.7#/gal. Flow persisted to T.D. Not a major problem.

DRILL TIME LOGS:

1000-4100 2" = 100'
4100-5700 5" = 100'

SAMPLE DISPOSAL:

State of Utah 1 dry cut to be dispatched by mud loggers.

MUD LOGGING EQUIPMENT:

Cate Logging, Park City, Utah. Loggers: P. Nielsen, G. Brooke. Tooke hot wire and chromatograph 2-man unit 1070 to 5700. Logging unit not effective due to gas in mud and bypassing the shale shaker from 2580 to T.D.

DSTs:

None.

CORES:

None.

SURFACE CASING:

Ran 6 jts 8 5/8", 24#/ft set at 271' RKB w/ 161 sxs Dowell 75-25, Class G-Pozmix w/2% CalChl + 1/4#/sk celoflake. Surface hole drilled by Parker Air Drilling Co and casing set 11-10-92. Spud 11-7-92 @ 10:00 AM. Plug down 11-10-92 @ 12:45 PM.

PRODUCTION CASING:

Ran 126 jts 5 1/2", 15 1/2#/ft, J55 casing set at 5699 RKB with 238 sacks Thrifty lite followed by 405 sacks 50-50 Pozmix, cemented by Western, plug down 11-26-92 @ 3:00 PM.

Balcron Oil Company
 24-5 Monument Federal
 SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T9S-R17E
 Duchesne County, Utah

K.B. 5236'

<u>Fm.</u>	<u>Depth</u>	<u>Datum</u>	<u>Position of 24-5 In Relation to 34-5*</u>	
Green River	1434	(+3802)	(+3764)	38' High
Horseshoe Bench	2148	(+3088)	(+3072)	16' High
Douglas Creek Mkr.	4594	(+ 642)	(+ 700)	58' Low
2nd Douglas Creek	4833	(+ 403)	(+ 418)	15' Low
Green Marker	4955	(+ 281)	(+ 310)	29' Low
Wasatch Tongue	5436	(- 200)	(- 232)	32' High
T.O. Driller	5700			
T.O. Logger	5702			

* Comparison Well:

Diamond Shamrock Allen-Fed. 34-5
 SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T9S-R17E
 40 Acre East Offset to 24-5

MUD LOG AND SAMPLE SHOW REPORT

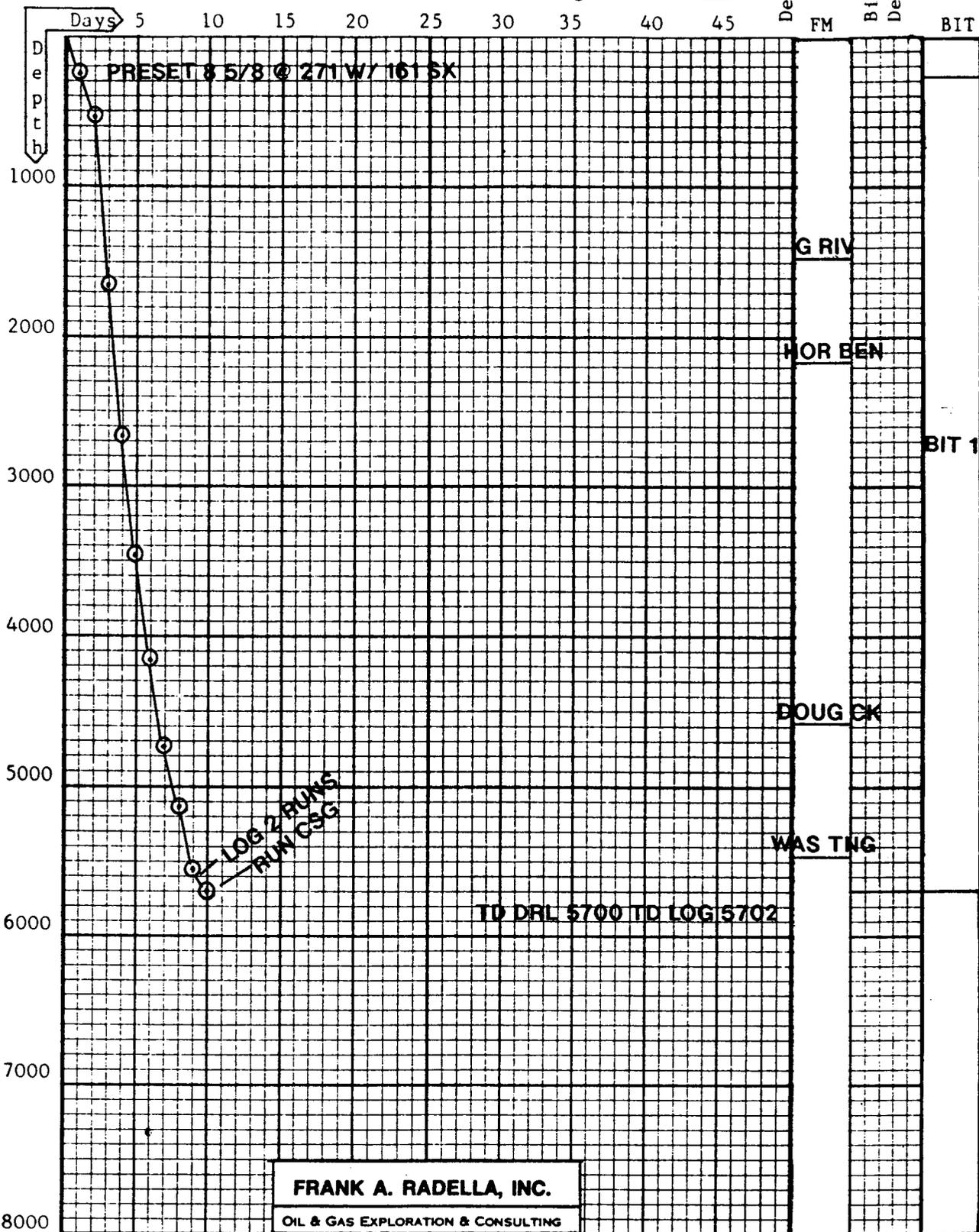
FM	DRILLER DEPTH	DRILL RATE mpf			TOTAL GAS units			CHROMATOGRAPH %				Radella, Geologist Remarks & Observations
		before	during	after	before	peak	after	c1	c2	c3	c4	
Green River	1500-1540	1.2	1.0	1.4	30	100	30	1.8%	.1	Tr		S.S. f-gd show
" "	1720-1740	1.2	1	.8				1	.1	.05	.02	S.S. fair show
" "	2565-2600	1	2	1.2	250	3250	3250	35	25	6	3	No returns. Gas kick - tar balls over shaker
" "	2600-2625	1.2	2	2	3250	3250	3250	35	25	6	3	S.S. gd sat, gd show
" "	2650-2660	2	1.3	2	3250	3250	3250	35	25	6	3	S.S. gd sat, gd show
" "	2700-2710	2	1.4	2	Bypassing shaker - no gas readings							S.S. trac oil stn, poor show
" "	2770-2780	2	1	2½	"	"	"	"				S.S. fair cut, fair show
" "	4062-4074	2	1	2	3800	3800	3800	70	17	6	3	S.S. inst good cut, gd show, good oil sat
" "	4114-4124	2	1	2	3200	3200	3200	65	18	6	3	S.S. inst good cut, good oil sat, gd show
" "	4150-4180	2	1½	2	3800	3800	3800	70	9-14	23-5	2-25	S.S. gd oil sat, oil over shaker, gd show
					* Bypassing shaker - no gas readings - visual only below 4180							
Douglas Creek	4698-4712	3	1½-2	3								S.S. lt brn oil sat, inst gd cut, good show
" "	4752-4760	3	1½	3								S.S. gd oil sat, one frac, fair cut, fair show
" "	4764-4772	3	2½-3	4½								S.S. well sat, p por, bld oil, gd cut, gd show
" "	4786-4800	3	2½-3	4½								S.S. wk cut, poor show
" "	5042-5052											Siltstn oil sat, no fluor, gd strm cut, good show

* No mud log reading below 4420 due to bypassing shale shaker, Intermittant readings from 2580 to 4420. Normal readings from 1060-2580.

PENETRATION CHART

BALCRON OIL 24-5 MONUMENT FED.

Total Days 10 Logs 2
 Total Bits 1 Rotating hours 176



DAILY MUD DATA

WELL# 24-5

MUD CO. Unibar

Lew Arnold
ENGINEER Gerald Ashcroft

DATE	DEPTH	WT.	VIS	PLAS VIS	YIELD	GEL	FH	WL	FIL CK	SALT	CAL	SAND %	SOLIDS %	CHLORIDE	H2O	KCL	DREYAGE	DAILY COST	CUM COST	
11-17-92	300	8.7	27				12			28,050	25			17,000	100	3%				
11-18-92	1475	8.4+	27				9.0			26,400	10			16,000	100	3	\$ 300		\$ 300	
11-19-92	2460	8.4+	27	(1)			12			24,750	12			15,000	100	2 3/4		\$ 120	420	
11-20-92	3300	8.4+	27				11			29,700	10			18,000	100	3		197	617	
11-21-92	4000	8.5+	27				10			41,250	10			25,000	100	4		185	802	
11-22-92	4571	9.0	26	(2)			10.6			115,500	120		5	70,000	95	3		30	832	
11-23-92	4877	9.4	27				9.5			173,250	10		7.8	105,000	92.2	ppm 5000	350	830	2,012	
11-24-92	5330	9.7	28				9.4			194,700	10		10	118,000	90		250	1,325	3,587	
11-25-92	5700	9.6	29				9.7			178,200	10	1/4	9.2	108,000	90.8			900	4,487	
																	FIELD TOTAL:	\$ 900	\$3,587	\$4,487
(1) Encountered gas kick at 2580 @:30 PM 11-19-92) unloading gas over bell nipple while drilling.																				
(2) As above, commenced to increase mud weight with brine water, then sack salt, gas continued to unload over bell nipple unless shaker is bypassed.																				

MUD PRODUCTS CONSUMED

Date	Depth	Bentonite	KCL	Lime	Undrill	Sawdust	Paper	Gyp	Salt	Drayage	Daily Cost	Cum. Cost
1992												
11-18	300									\$ 300		\$ 300
11-19	2460			6	1			6			\$ 120	420
11-20	3300		20	6				6			197	617
11-21	4000		20	6				6			185	802
11-22	4571			2				2			30	832
11-23	4877			4	1			4	100	350	830	2,012
11-24	5330			2	2			8	252	250	1,325	3,587
11-25	5700			7	1			16	150		900	4,487
FIELD TOTAL:										\$ 900	\$3,587	\$4,487

Balcron Oil Co.
 24-5 Monument Butte Federal
 SE¼SW¼ Sec. 5-T9S-R17E
 Duchesne County, Utah

DAILY DRILLING HISTORY

Compiled by Frank A. Radella from Tower Sheets. Date reflects the daily activity of the calendar date reported and begins at Midnight. Surface casing was preset at 271' prior to Molen Rig #1 moving on location. Surface hole activity not shown below.

<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>and Activity at Midnight; Daily Activity</u>
1	11-17 1992	246'	<u>Rig up.</u> Test upper and lower Kelly cock, blow out preventer, pipe and blind choke, and Kill manifold @ 2000 psi for 20 min. In hole with 7 7/8" bit. Tag top of cement at 188' and commence drilling, cement at 4:00 PM. Drill out from under surface at 4:15 PM 11-17-92. Drill and survey. Drilled 270' in 7 1/2 rotating hours. (RH).
2	11-18	516'	<u>Drilling in Duchesne Fm.</u> Drill and survey. Drilled 1158' in 22½ rotating hours. Cumulative rotating hours (cum) 29 3/4.
3	11-19	1674'	<u>Drilling in Green River Fm.</u> Drill and survey. Had gas kick at 2580' @ 7:30 PM 11-19-92. Unloading gas over bell nipple while drilling. Gas doesn't unload on connections or when pumps are down. Bypassing shaker intermittently. Drilled to 2688' today, drilled 944' in 22½ RH, cum 52 ¼ RH.
4	11-20	2688'	<u>Drilling in Horseshoe Bench Fm.</u> Drill, survey, clean suction, drill. Drilled to 3485' today. Drilled 797' in 23½ RH, cum 75 3/4 RH. Well still unloading gas over bell nipple.
5	11-21	3485'	<u>Drilling in Horseshoe Bench Fm.</u> Drill, survey, change head in pump, work on rotary chain, drill. Well continued to unload gas over bell nipple. Commenced to weight up drill fluid with brine water, 9.0 mud did not contain gas flow. Drilled to 4170' today, drilled 685' in 21½ RH. Cum 97¼ RH.
6	11-22	4170'	<u>Drilling in Horseshoe Bench Fm.</u> Drill, survey, check well head pressure build to 30# in 15 minutes and stabilized. Well still unloading over bell nipple bypassing shaker, added brine water to build weight. Drilled to 4730' today. Drilled 560' in 23 RH. Cum 120¼ RH.

<u>Day</u>	<u>Date</u>	<u>Depth and Activity at Midnight; Daily Activity</u>
	1992	
7	11-23	<u>4730'. Drilling in Douglas Creek Fm.</u> Drill. Change head on pump. Drill, survey, added sack salt to build weight, increase weight to 9.5#/gal, still flowing over bell nipple when not bypassing shaker. Drilled to 5120' today. Drilled 390' in 22.5 RH, Cum 142 3/4 RH.
8	11-24	<u>5120'. Drilling in Wasatch Tongue Fm.</u> Drill and survey. Add sack salt and increase mud weight to 9.5#/gal. Well continued to flow gas past bell nipple when not bypassing shaker. Continue to bypass shaker to end of hole. Drilled to 5562' today. Drilled 442' in 23 1/2 RH. Cum 166 1/4 RH.
9	11-25	<u>5562'. Drilling in Wasatch Tongue Fm.</u> Drill. Reach T.D. 5700' @ 9:45 AM 11-25-92. Circulate 1 3/4 hours, hoist for logs, drop survey. Steel line measurement Board 5700.42 = Strap 5700.37, no correction. Hoist in 3 hours. Rig up for logs, commencing @ 2:30 PM, log in 2 runs, no problems. Tools out of hole @ 10:00 AM 7 1/2 hours. Rig down loggers 1 hour; trip in hole 1 hour. Drilled 138' in 9 3/4 RH. Cum 176 RH.
10	11-26	<u>5700' T.D.</u> Tripping in hole. Rig up and lay down drill collars and drill pipe. Rig up casers and run 5 1/2" casing. Cement with Western. Clean tanks, nipple down blowout preventer. Set slips and cut casing off. 5 1/2" guide shoe and shoe joint 28.25'; 5 1/2" float collar 2.36", 126 joints 5 1/2", 15.5#/Ft, J55 casing 5691.33'; 20 centralizers 5721.94'. Casing landed @ 5699' RKB. PBTD 5668'. Cemented by Western with 238 sacks Thrifty lite and tail with 405 sacks 50-50 Poz. Plug down 3:00 PM 11-26-92. Rig released at 8:00 PM 11-26-92.

Balcron Oil Company
24-5 Monument Butte-Federal
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T9S-R17E
Duchesne County, Utah

SAMPLE DESCRIPTIONS

By:

Frank A. Radella

Samples were run wet for color, texture and lithology, dry for oil shows and porosity, and both wet and dry for fluorescence. Cutting agent was Tricholohene. Geologist was on location from 1450 to Total Depth and for logs. Descriptions are lagged to Induction Log depths. Shows of oil are underlined. Log tops are indicated below. Drill cuttings were extremely fine but of good quality unless otherwise noted.

A two-man mud log unit was on location and operated from 1060' to T.D. and was responsible for catching lagged samples. The unit functioned normally to a depth of 2560' when gas began entering the drilling fluid (KCL water) and continued to do so to Total Depth. Whenever drilling fluid was permitted to fill the possum belly and go over the shaker, the well would flow over the bell nipple causing a loss of drill fluid to the pits. Because the drill fluid was bypassing the shaker, stable mud flow could not be established to fully utilize the mud logging equipment. Whenever the drill fluid could be analyzed the background gas was 3000 to 4000 units. Later in the well brine water and sack salt was added to the mud to a maximum of 9.7#/gal. but the condition persisted to Total Depth. This resulted in unreliable gas analyses from 2560' to Total Depth.

Sand Grain Size Parameters

Silt	.004-.062 mm
Very fine grained	.062-.125 mm
Fine grained	.125-.250 mm
Medium grained	.250-. 50 mm
Coarse grained	. 50+ mm

Sample Program

1030-4000	30' Samples
4000-5000	20' Samples
5000-5700	10' Samples

- 1070-1100 Siltstone: Light to medium gray-green, argillaceous.
- 1100-1160 Siltstone: As above grades to Shale: Light gray, silty, calcareous.
- 1160-1190 Shale: Light orange-tan, very dolomitic, platy. Siltstone: Pale gray to pale green, dolomitic, argillaceous, no porosity, no show.

- 1190-1220 Sandstone: Clear to light gray, very fine to fine, sub-angular to sub-rounded, fair to good sorting, much loose grains, may be unconsolidated, no matrix visible. No show visible. Few friable clusters.
- 1220-1280 Shale: Light to medium gray when water wet, appears light green in acid, non-calcareous, platy, grades to Siltstone.
- 1280-1310 Sandstone: Clear to light gray, very fine grained, sub-angular to sub-rounded, clear quartz grains, clusters appear clay filled, fair amount loose grains, no visible show.
- 1310-1340 Siltstone: Light gray; trace Shale: Light gray; trace Sandstone: As above.
- 1340-1370 Shale: Dark brown, tan, platy, chalky in part, weak milky cut.
- 1370-1400 Siltstone: Argillaceous, fair amount pinpoints of dark brown residue, scattered linear seams of same, weak, slow milky cut.

GREEN RIVER 1434 (+3802)

- 1400-1460 Shale: Light gray, slightly to moderately silty, calcareous, thin bedded; Siltstone: Light gray, slightly to moderately calcareous.
- 1460-1490 Limestone: Light orange, orange-tan, amorphous, chalky, pale to medium bright golden fluorescence, fair blossom cut No visible porosity. Some Limestone: Micritic, platy, argillaceous in part.
- 1490-1520 Sandstone: Clear, white, very fine to fine grained, sub-angular to sub-rounded, clusters have white cement, fair amount of bleeding dark brown oil from matrix, poor visible porosity, moderate amount loose grains, fair to good streamer cut in dried sample, trace of pyrite clusters.
- 1520-1610 Limestone: Orange-tan to tan, micritic to amorphous, chalky in part, dolomitic, trace pyritic, argillaceous in part, pale gold fluorescence, slow milky cut that builds with time.
- 1610-1640 As above, trace Shale.
- 1640-1730 Limestone: Orange-tan to tan, as above, trace silty pale fluorescence, slow milky cut, as above.

1730-1760 Limestone: Orange-tan, micritic, platy, no visible porosity, bright green-gold fluorescence, instant fair streamer cut; Limestone: Light tan to orange-tan, amorphous, chalky, bright green-gold fluorescence, instant fair streamer cut, tan oil ring after evaporation.

1760-1790 Shale: Light gray, slightly calcareous, platy.

1790-1850 Shale: Medium orange-brown, micritic, platy, argillaceous; trace Limestone: Cream, chalky.

1850-2000 Limestone: Orange-brown wet, light brown dry, micritic, argillaceous, oily, pale fluorescence, good immediate milky cut, intensifies with time, medium brown oil ring after evaporation, interbedded with Shale with similar show.

2000-2150 Interbedded Limestone and Shale: As above, slight decrease in cut intensity; trace Limestone: Cream, chalky.

HORSESHOE BENCH 2148 (+3088)

2150-2180 50% Sandstone: Light gray, very fine-trace fine grained, silty, sub-angular, no visible porosity, few grain tight clusters, white calcareous cement, fair amount loose grains, no fluorescence, no show; Limestone and Shale: As above, 50%.

2180-2240 Sandstone: Light gray, very fine grained, no porosity, no show; trace of Shale: Light gray.

2240-2390 Shale and Limestone: Light orange-brown, pale fluorescence, instant fair-good cut.

2390-2510 Limestone: Brown, micritic, argillaceous, trace silty, interbedded with trace Shale: Dark brown, silty; instant fair-good cut, as above.

2510-2540 Limestone: Orange-brown to brown, micritic to trace microcrystalline, trace silty, argillaceous in part; trace chert, amber, sharp.

2540-2570 Gas Kick, bypass shaker, some blobs of black tar up to 2" x 1" x ¼"; no samples caught. Bypassing shaker, mud highly gas cut.

2570-2600 Trace loose sand grains, very fine grained, sub-angular to sub-rounded, well sorted, weak milky cut, blobs of heavy tar in mud.

- 2600-2630 Sand: tan, loose, fine to very fine quartz grains, clear to opaque, sub-angular to sub-rounded, much dark brown pinpoints of heavy oil, instant strong streamer cut, under heat lamp the oil is liquid, tar-like when sample is cooled.
- 2630-2660 Sand: Loose grains, as above with increase in oil stain, weak milky cut; Limestone: Tan to brown, argillaceous; some Shale: Tan to brown.
- 2660-2690 Sand: Tan, loose, fine to very fine, clear to milky quartz grains, sub-angular to sub-rounded, fair to good sorting, no visible clusters, spotty oil blobs with good cut.
- 2690-2720 Shale: Medium to light gray, trace silty, dolomitic, trace loose sand grains, as above, with fair cut, trace of oil stain.
- 2720-2750 Shale: Gray, as above; Limestone: Cream, much Sand: Loose grains, as above.
- 2750-2780 Sand: Loose, fine to trace medium grained, angular to sub-angular, trace sub-rounded, clear to milky quartz grains, trace euhedral quartz overgrowths, few clusters held together with black asphalt, trace of dark brown oil stain, pale golden fluorescence, fair instant streamer cut.
- 2780-2810 Limestone: Tan, micritic, platy, argillaceous, trace silty, fair-good cut.
- 2810-2930 Limestone: Orange-tan, dolomitic, argillaceous, oily, fair-good cut.
- 2930-3050 Limestone: As above; Limestone: Dark brown, micritic, platy, trace pyritic, fair-good cut.
- 3050-3080 Siltstone: Light gray, very calcareous, no porosity, no show; with Limestone: Light gray, silty.
- 3080-3110 Sandstone: Light gray, very fine grained, much loose grains, sub-angular, clear to opaque quartz grains, dolomitic cement; trace Shale: Very light gray, pale milky cut.
- 3110-3140 Shale: Light gray, silty; with Sandstone: As above, pale milky cut.
- 3140-3170 Intrbedded Siltstone and Shale, as above; Shale: Pre-dominate with pale milky cut.

- 3170-3230 Limestone: Orange-brown to orange-tan, micritic to chalky in part.
- 3230-3260 Shale: Gray-tan to light gray.
- 3260-3380 Limestone: Tan, micritic, platy; Shale: Light gray, non-calcareous, platy.
- 3380-3410 Shale: Light gray, as above; decrease in Limestone.
- 3410-3440 Limestone: Light tan; Sandstone: Light gray, very fine grained, well cemented.
- 3440-3470 Sandstone: Light gray to white, very fine grained, glassy, siliceous, no visible porosity, spotty dark brown oil stain, slow weak streamer cut, pale gold fluorescence.
- 3470-3500 Siltstone: Medium gray, trace very fine sandy, calcareous; trace Shale: Medium to dark gray.
- 3500-3530 Limestone: Cream, tan, micritic, trace fine fragmental; Limestone: Dark brown, micritic, slow milky cut; Shale: As above.
- 3530-3560 Siltstone: Light gray, argillaceous, slow milky cut.
- 3560-3590 No sample.
- 3590-3620 Trace Sandstone: Light gray, very fine grained, sub-angular, glassy, no visible porosity, slow milky cut; Siltstone: Light gray.
- 3620-3650 Limestone: Light tan; Shale: Light gray.
- 3650-3680 Shale: Light gray, trace silty; with Siltstone: Light gray, dolomitic; Limestone: Cream, chalky, oily.
- 3680-3710 No sample.
- 3710-3770 Limestone: cream, tan, micritic to amorphous, no visible porosity, oily, pale green-gold fluorescence, fair cut.
- 3770-3800 Shale: Light gray, very weak cut; Siltstone and Limestone: As above.
- 3800-3830 Sandstone: White, very fine grained, no visible porosity; Siltstone: Light gray, argillaceous, pyritic, platy.
- 3830-3860 Limestone: Cream to tan, micritic.

- 3860-3890 No sample.
- 3890-3920 Shale: Dark gray.
- 3920-3950 Shale: Light to dark green; Sandstone: White, very fine-fine grained, much loose sand, trace of fine grain clusters, dolomitic cement, weak milky cut; with Limestone: Cream to light tan, chalky to micritic.
- 3950-3980 Sandstone: White, clear to opaque quartz, angular to sub-angular, occasional brown and gray angular grains, dolomitic cement, no visible porosity.
- Start 20' Samples @ 4000'
- 3980-4020 Sandstone: As above; with Shale: Light gray to trace green; Siltstone: Light gray, fair-good cut.
- 4020-4040 Sandstone: Light gray, very fine grained, fair cut; Shale: Light gray.
- 4040-4060 Shale: Light gray; trace Limestone: Tan to brown, micritic, platy, fair-good cut; Siltstone: Light gray, pale green-gray.
- 4060-4080 Sandstone: Medium brown, very fine-fine grained, sub-angular, clear to opaque quartz, some secondary quartz overgrowths, poor visible porosity, moderately friable, trace pyritic, very pale fluorescence, good light to medium brown even oil saturation in 50% of sample with scattered dark brown to black asphaltic specks, instant good bright cut; minor amount Sandstone: White, very fine grained, no visible porosity; moderate amount loose very fine with occasional medium well rounded quartz grains. Samples are of good quality, chips are extremely fine.
- 4080-4100 Shale: Pale gray to pale green-gray, waxy, dolomitic; Siltstone: Light gray, argillaceous.
- 4100-4120 Sandstone: Light brown, very fine to fine grained, sub-angular quartz, poor visible porosity, light to medium brown oil saturation with slight increase in dark brown to black asphaltic specks, pale golden fluorescence, instant good bright cut; Shale: As above.
- 4120-4140 Shale: Light gray; moderate amount loose sand grains from above; trace Limestone: Orange-tan.
- 4140-4160 Trace Sandstone: White, very fine grained, no visible porosity, white calcareous cement; Limestone: As above; 20% Sandstone, light brown, very fine grained, tight, bleeding few drops of free oil, fair-good oil saturation, instant good cut.

- 4160-4180 Sandstone: Light brown, very fine-fine to trace medium grained, poor sorting, sub-angular quartz, very friable, poor visible porosity, light brown oil stained with fair amount black asphaltic specks, few droplets of oil in cuttings, moderate amount loose grains, good instant bright cut.
- 4180-4200 Sandstone: As above, slight increase in grain size with depth, increase in black residue and dark brown oil specks, increase in free oil droplets, pale fluorescence, good instant bright cut.
- 4200-4240 Shale: Pale gray, platy; few droplets of dark brown oil.
- 4240-4260 Shale: Light gray, slightly micaceous, waxy, dolomitic; Limestone: Dark brown to tan, micritic, oil stained in part with weak-fair streamer cut.
- 4260-4280 Limestone: As above; weak-fair cut.
- 4280-4300 Limestone: As above, weak-fair cut; with Shale: Light gray.
- 4300-4320 Limestone: Medium to dark brown, micritic, weak to fair streamer cut.
- 4320-4340 Sandstone: White, very fine grained, well sorted, well cemented, no porosity, no show; Limestone: As above.
- 4340-4360 Shale: Light gray; Siltstone: Light gray, argillaceous.
- 4360-4380 Sandstone: White, very fine grained, sub-angular, no visible porosity, well cemented, trace of spotty oil stain, poor show, much loose grains; Shale: Light gray.
- 4380-4400 Trace Sandstone: As above; Siltstone: Light gray; Shale: Gray.
- 4400-4420 Interbedded Sandstone and Shale: As above.
- 4420-4500 No sample.
- 4500-4520 Shale: Pale gray, 80% loose sand grains, very fine, sub-angular, trace of spotty oil on rare cluster. Sample poor due to bypass shaker.
- 4520-4540 Sand: Loose, very fine to fine, trace medium clear and opaque, sub-angular to sub-rounded, no visible show; Sandstone: White, light gray, very fine grained, well cemented; trace Limestone and Shale.

- 4540-4560 Sandstone: White, very fine to fine, rare black and orange grains, well sorted with calcareous cement, no visible porosity, no visible oil stain, trace of slow weak streamer cut.
- 4560-4580 Sandstone: White, trace very light tan, very fine-fine grained, as above; trace Shale: Light gray.
- DOUGLAS CREEK MARKER 4594 (+642)
- 4580-4600 Limestone: Dark brown to brownish black, microcrystalline, dolomitic, fair streamer cut; trace Shale: Light gray.
- 4600-4620 Sandstone: Very fine grained, silty, no porosity, trace weak cut; Shale: Light gray, dolomitic.
- 4620-4640 Shale: Light gray, dolomitic, platy; trace Siltstone: Light gray; trace Sandstone: White, light gray, very fine-fine grained, calcareous cement, no porosity, no show, trace micaceous.
- 4640-4680 Increase in Sandstone: As above; with Shale: As above.
- 4680-4700 Sandstone: Light brown, very fine-fine grained, sub-angular, well sorted, trace micaceous, dolomitic cement, poor visible porosity, saturated with light brown stain, medium green-gold fluorescence, instant good streamer cut, good show, moderate amount loose oil stained grains.
- 4700-4740 Shale: Medium to light gray, dolomitic, platy.
- 4740-4760 50% Sandstone: Medium brown, very fine grained, sub-angular to sub-rounded quartz grains, no visible porosity, good oil saturation, occasional black asphaltic inclusions, one possible fracture plane, even pale to medium green-gold fluorescence, fair slow streamer cut; 50% Siltstone: Light gray to white, very hard, calcareous; trace Shale: Light gray.
- 4760-4780 Sandstone: Medium brown, very fine grained, sub-angular, well sorted, dolomitic cement, trace of poor intergranular porosity, well saturated with medium brown oil, pale green-gold overall fluorescence with spotty medium bright fluorescence, bleeding oil from few chips; with Sandstone: White, as above, no porosity, no show; with Shale: Light gray, waxy.
- 4780-4800 Sandstone: Cream to white, speckled in part, very fine grained, calcareous cement, no visible porosity, no oil stain, weak milky cut, argillaceous in part.

4800-4840 Shale: Light gray, dolomitic, platy, few black bit smears.

2ND DOUGLAS CREEK MARKER 4833 (+403)

4840-4860 Shale: Blackish brown, dolomitic, platy; Shale: Light gray, as above.

4860-4880 Siltstone: Light blue-gray, calcareous, firm; Shale: Light gray, as above; trace Bentonite: Mushy.

4880-4900 Shale: Light blue-gray to brown-gray, dolomitic.

4900-4920 Sand: Loose, light gray, very fine grained, silty, mostly free grains with occasional few grain clusters, calcareous, no show; Shale: As above.

GREEN MARKER 4955 (+281)

4920-4960 Shale: Light gray, trace silty, interbedded with Siltstone: Light gray, calcareous.

4960-5000 Shale: Dark gray to dark brown, trace silty, carbonaceous, good instant cut; trace Bentonite: Mushy.

Start 10' Samples at 5000'

5000-5040 Shale: Dark brown with good instant cut, to gray, as above; intrbedded with Siltstone: Light gray.

5040-5050 50% Siltstone: Dark brown to black, trace very fine grained, well sorted, moderately friable, dolomitic, trace micaceous, saturated with black residue and dark brown oil that masks any porosity, no fluorescence, instant good streamer cut; trace gray Shale and Siltstone; trace Limestone: Light brown, with orange fluorescence.

5050-5060 Siltstone: As above, abundant few grain clusters, oil saturated, no fluorescence, good instant cut; trace Shale: Pale gray, trace silty, trace micaceous, calcareous.

5060-5070 Sandstone: As above, with slight decrease in oil stain, good instant cut; Shale: Pale gray, silty.

5070-5080 Sandstone: Light gray, very fine grained, trace fine grained, white calcareous cement, trace spotty oil stain, good instant cut; trace Limestone: Tan, micritic, orange fluorescence.

5080-5090 Shale: Light blue-gray, trace silty, dolomitic, pyritic; Sandstone: As above decreasing.

- 5090-5100 Siltstone: Light gray, argillaceous, calcareous platy;
Shale: Light gray, calcareous.
- 5100-5110 Siltstone and Shale: As above; trace Sandstone:
White, very fine grained, calcareous, platy.
- 5110-5120 Siltstone: Medium gray, argillaceous, calcareous, as
above; trace Shale and Sandstone: As above, no show.
- 5120-5140 Shale: Light to medium gray, silty; Siltstone: As
above; trace Limestone: Dark brown.
- 5140-5150 10% Shale: Black, carbonaceous, platy, good instant
cut; Shale: Medium gray, as above.
- 5150-5180 Shale: Black, as above, good cut.
- 5180-5190 Siltstone: Light gray to light tan, trace very fine
sandy, dolomitic cement, no visible porosity, very
light oil stain on 1/3 of cuttings, very pale fluor-
escence, weak milky cut; trace Sandstone: White, very
fine grained, pyritic, glassy, no porosity, no show.
- 5190-5200 Siltstone: Light tan to light brown, trace of very
fine graind, sandy, trace micaceous, no visible
porosity, light brown oil stain, very pale fluor-
escence, slow weak streamer cut.
- 5200-5220 Shale: Medium gray, trace silty, dolomitic, platy.
- 5220-5240 Shale: Black, carbonaceous, trace silty, good cut;
trace Siltstone: Light gray.
- 5240-5250 Increase in Shale: Black, carbonaceous oily appear-
ance.
- 5250-5280 Shale: Medium to light tan-gray, silty in part,
calcareous; interbedded with Siltstone: Light gray.
- 5280-5290 Shale: Black, carbonaceous.
- 5290-5300 Shale: Black, as above to brown-black, platy.
- 5300-5310 Shale: Light-medium gray, gray-brown, silty; with
Siltstone.
- 5310-5320 Trace Sandstone: Medium brown, very fine grained, few
dark grains, dolomitic cement, no visible porosity,
medium brown oil saturation, medium green-gold
fluorescence, slow fair streamer cut. Siltstone:
Light gray and Shale, as above predominately.

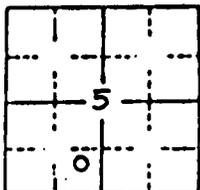
- 5320-5340 Interbedded Shale and Siltstone: As above, no show; trace Limestone: Dark brown, micritic, orange fluorescence.
- 5340-5360 Shale: Black to dark brown-black, carbonaceous, platy.
- 5360-5370 Shale: Dark brown to black, as above.
- 5370-5390 Shale: Dark gray-brown, gray, platy, decrease in black Shale, as above.
- 5390-5440 Shale: Black, carbonaceous.
- WASATCH TONGUE 5436 (-200)
- 5440-5450 Shale: Black: As above with Siltstone: Light gray.
- 5450-5460 10% Sandstone: Medium brown, very fine to fine grained, sub-angular, no visible porosity, slightly dolomitic, medium brown oil saturation with inclusion of black asphaltic residue, pale to medium fluorescence, slow fair streamer cut; Shale: Dark blue-gray.
- 5460-5470 Sandstone: White, few gray and black grains, very fine to fine grained, sub-angular, poor sorting, white calcareous cement, no visible porosity, no show; moderate amount loose very fine to fine grains.
- 5470-5480 Sandstone: As above, salt and pepper, very fine to fine, trace medium grained, poor sorting, no porosity, no show, moderate amount loose grains; Shale: as above; trace Limestone: Medium brown, micritic, blocky.
- 5480-5490 Sandstone: White, as above, with black shaley partings, no porosity; 30% Sandstone: Light brown, very fine to fine, trace medium grained, sub-angular to sub-rounded, clear to opaque quartz, poor sorting, dolomitic cement, moderately friable, light brown overall oil stain with numerous specks of black heavy asphaltic residue that disappears when heated, few chips bleeding oil, medium green-gold fluorescence with instant fair streamer cut.
- 5490-5500 80% Sandstone: Light brown, scattered fine to medium angular; black Shale inclusions, very fine-fine, trace medium with increase in grain size with depth, no visible porosity but very friable, even light brown oil stain with numerous specks of dark brown to black residue, as above, trace of bleeding dark brown oil, medium bright overall fluorescence with instant fair streamer cut, as above.

- 5500-5510 Sandstone: Decrease to 10%; Sandstone: White, very fine-fine, trace medium grained, with occasional black angular Shale inclusions, white calcareous matrix, no porosity, no show.
- 5510-5630 Siltstone: Light gray, argillaceous, pyritic, calcareous, platy; Shale: Light gray, silty, platy; Sandstone: White, very fine grained, no porosity, sharp, no show; trace Limestone: Tan, micritic.
- 5530-5550 Siltstone and Shale: As above; trace Sandstone: Light gray, very fine grained, no porosity, no show.
- 5550-5570 Shale: Black, carbonaceous; trace Sandstone: Medium brown, very fine grained, well sorted, no visible porosity, medium oil stain.
- 5570-5580 Sandstone: Light gray to white, very fine grained, white calcareous cement, no porosity, no show; Siltstone: Dark gray, argillaceous; Shale: Light gray, silty.
- 5580-5590 Sandstone: White, very light tan, salt and pepper increasing with depth, rare orange grains, very fine to fine sub-angular quartz with medium grained black Shale fragments, well cemented, no visible porosity, very light tan cast with bright golden fluorescence with slow weak steamer cut.
- 5590-5600 Sandstone: White, salt and pepper, very fine grained, rare orange and green grains, white calcareous cement, no porosity, no show; Shale: Light gray, very fine grained, silty.
- 5600-5610 Sandstone: Light gray, very fine grained, trace salt and pepper, calcareous, silty and argillaceous in part, trace light oil stain with weak cut; Shale: White, light gray with black carbonaceous flecks.
- 5610-5620 Shale: White with slight tan cast, salt and pepper, fine to medium grained, sub-angular to sub-rounded, trace rounded, clear to opaque quartz, with scattered black angular fragments, few grain clusters are very friable, bright overall green-gold fluorescence, weak slow streamer cut, much loose grains with bright fluorescence also, may be gas sand?, fluorescence decreases after drying.
- 5620-5630 Trace Sandstone: As above; Sandstone: Tan, gray-tan, very fine grained, salt and pepper, argillaceous, no visible porosity, no fluorescence, no show.

- 5630-5640 Sandstone: Very light tan, fine to trace medium grained, trace salt and pepper, fair sorting, white slightly dolomitic cement, moderately friable, light tan oil cast, bright green-gold fluorescence, slow weak milky cut, Fluorescence is slightly dimmer than 5610-5620 sample.
- 5640-5670 Sandstone: Light gray, very fine-fine grained, trace salt and pepper, argillaceous, no porosity, no show; Siltstone: Light gray, argillaceous; trace Shale: Light gray.
- 5670-5680 Sandstone: Light gray, very fine-fine, trace medium grained, poor sorting, trace salt and pepper, no porosity visible, slightly dolomitic, moderate amount loose grains, trace weak milky cut.
- 5680-5690 Sandstone: White, light gray, salt and pepper in part, very fine grained, sub-angular to sub-rounded, trace light brown oil stain, 10% with bright green-gold fluorescence, weak slow streamer cut; abundant loose grains with no show.
- 5690-5700 Siltstone: Medium to very dark gray, carbonaceous; grades to Shale: Black, carbonaceous, silty and very fine sandy; Sandstone: White, very fine grained, silty, salt and pepper, no porosity, no show.

TOTAL DEPTH: Driller 5700
TOTAL DEPTH: Logger 5702

DRILL TIME LOG



BALCRON OIL CO. 24-5 MONUMENT FED.

SE SW 5 - T 9 S - R 17 E

DUCHESNE CO., UTAH

RECEIVED

DEC 07 1992

DIVISION OF
OIL GAS & MINING

ELEVATIONS: G L 5223' K B 5236'

SPUD: 11-7-92 Preset Surface Casing

OUT FROM UNDER SURF. CSG.: 11-17-92

DATE DRG. COMP: 11-25-92

DATE WELL COMPLETED: 11-26-92

STATUS: To complete as oil well or/injection

SURF. CSG.: 8 5/8" @ 271' PKB w/191 sxs well

PRODUCTION CSG.: 5 1/2" JCS set @ 5699' w/

CORES: 543 sxs
None

DRILL STEM TESTS: None

CONTRACTOR: Molen

RIG: #1

MAST:

POWER:

PUMPS: D 375 Emsco

DRILL PIPE: 6 1/2 x 4 1/2 X Hole

COLLARS: 75 (480') 6" x 2 3/8" + 10 (250')
Hvy wt DP

MUD SYSTEM: KCL + Brine Water

TOTAL BITS: 1 (one)

TOTAL DAYS TO LOG POINT: 9 **TO COMPL:** 10

TD. DRILLER 5700' **LOGGER** 5702'

PENETRATION: 266' Below top of Wasatch
Tongue Mkr

FRANK A. RADELLA, INC.

OIL & GAS EXPLORATION & CONSULTING
 1601 Lewis Suite 202E
 Billings, Montana 59102

Legend

- POROSITY
 ○ SHOWS
 ■ POOR
 ○ FAIR
 ● GOOD
 | CONTINUED
 F FRACTURED
 ☉ GAS

	SHALE		LIMESTONE		ARGILLACEOUS
	SILTSTONE		DOLOMITE		SILTY
	SANDSTONE		ANHYDRITE		SANDY
	CONGLOMERATE		GYPSUM		CALCAREOUS
	COAL		SALT		DOLOMITIC
	CHERT		OOLITIC		ANHYDRITIC
					GYPSIFEROUS
					LOOSE SAND GRAINS
					GLAUCONITIC
					MICACEOUS

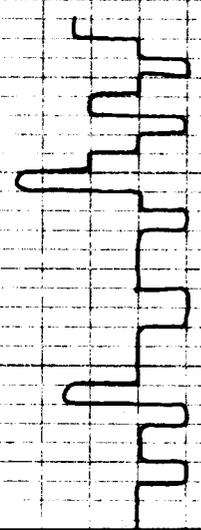
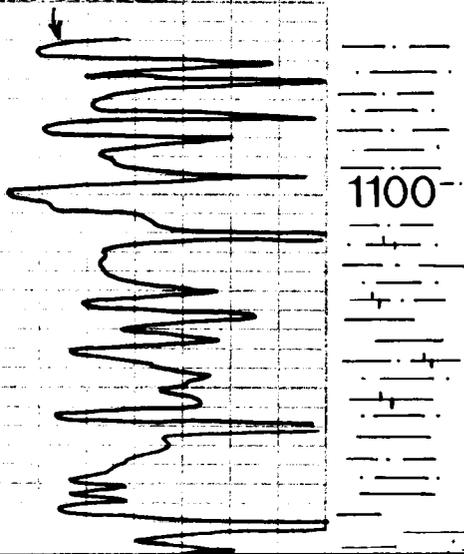
LOGGED BY GEOLOGIST: Frank A. Radella

DRILL TIME LOG TOTAL MIN. TO DRILL 5 FT.
VERT. SCALE 2" = 100 FT.

1 2 3 4 5 6 7 8 9 10 14 18 25 35 40
12 16 20 30 40

LOG TOPS NOTED BELOW

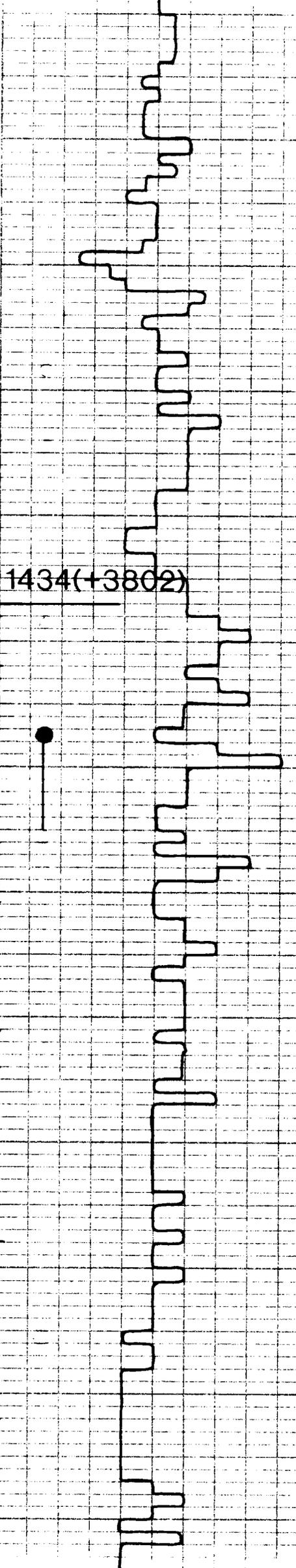
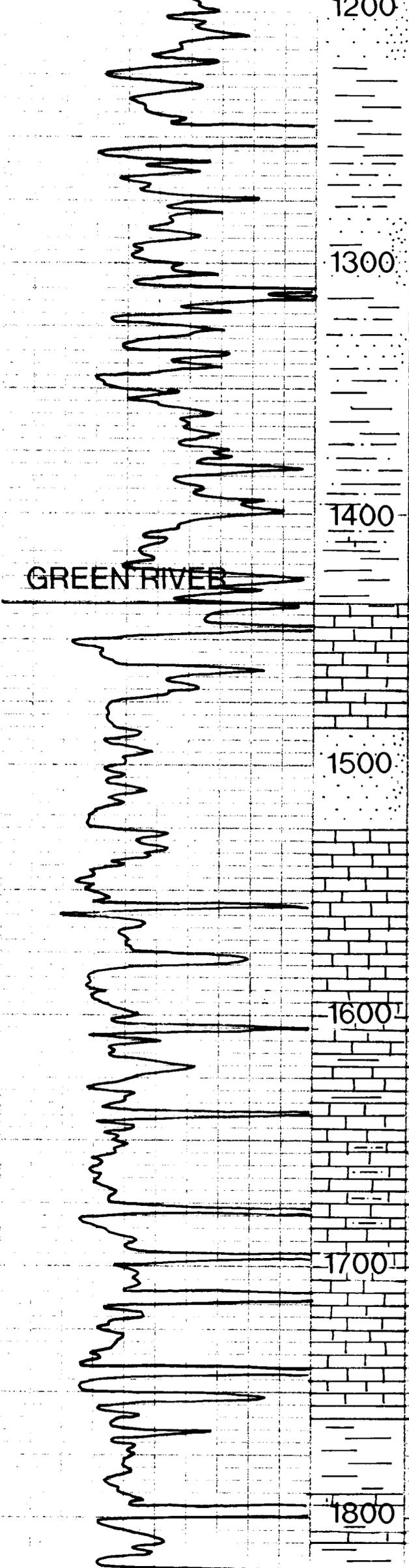
GAMMA RAY TRACED



Siltstn: lt-m grn-grn, argill

Siltstn o/a grading to sh: lt grn, silty, calc.

Sh: lt org-tan, v dolic, silty.
w/ Siltstn: pale grn to pale grn, dolic, argill



SS: clt to lt gr, v f-f gr, sub ang to sub rd, f-gr srt, much loose unconsol sand, few fri clust, no show

Sh: lt-m gr, lt green in acid, non calc, platy grades to siltstn

S.S. clt to lt gr, v f-gr, sub ang, sub rd, occ blk ar, tr f-gr, clusters approx clay filled, loose ar, no show

Sh: lt gr, siltstn: lt gr

SS a/a

Sh: dk brn, tan, platy, wk milky cut.

Siltstn: argill, dk brn residue in seams & pinpts, wk slo milky cut

Sh: lt gr, sli to med sily, calc. thin bedded; Siltstn: lt gr, calc

ls: lt org tan, chky, pale to med brt golden fluor, fair blossom cut, no por. w/ls: micritic, platy

S.S. clt, wh, v f-f gr, sub ang to sub rd, clusters have white com. bleeding dk brn oil from matrix, poor vis por, mod amt loose ar, f-gr cut tr pyrite clusters

ls: org tan to tan, micritic to amorphous, chky in prt, dolc tr pyritic, argill in prt, no vis por, pale gold fluor, slo milky cut.

ls: a/a

w/ interbedded sh

ls: org tan, a/a tr sily, pale fluor, slo milky cut a/a

ls: org tan, micritic, platy, no por, brt green gold fluor, inst fair sirm cut w/ls chky fair cut

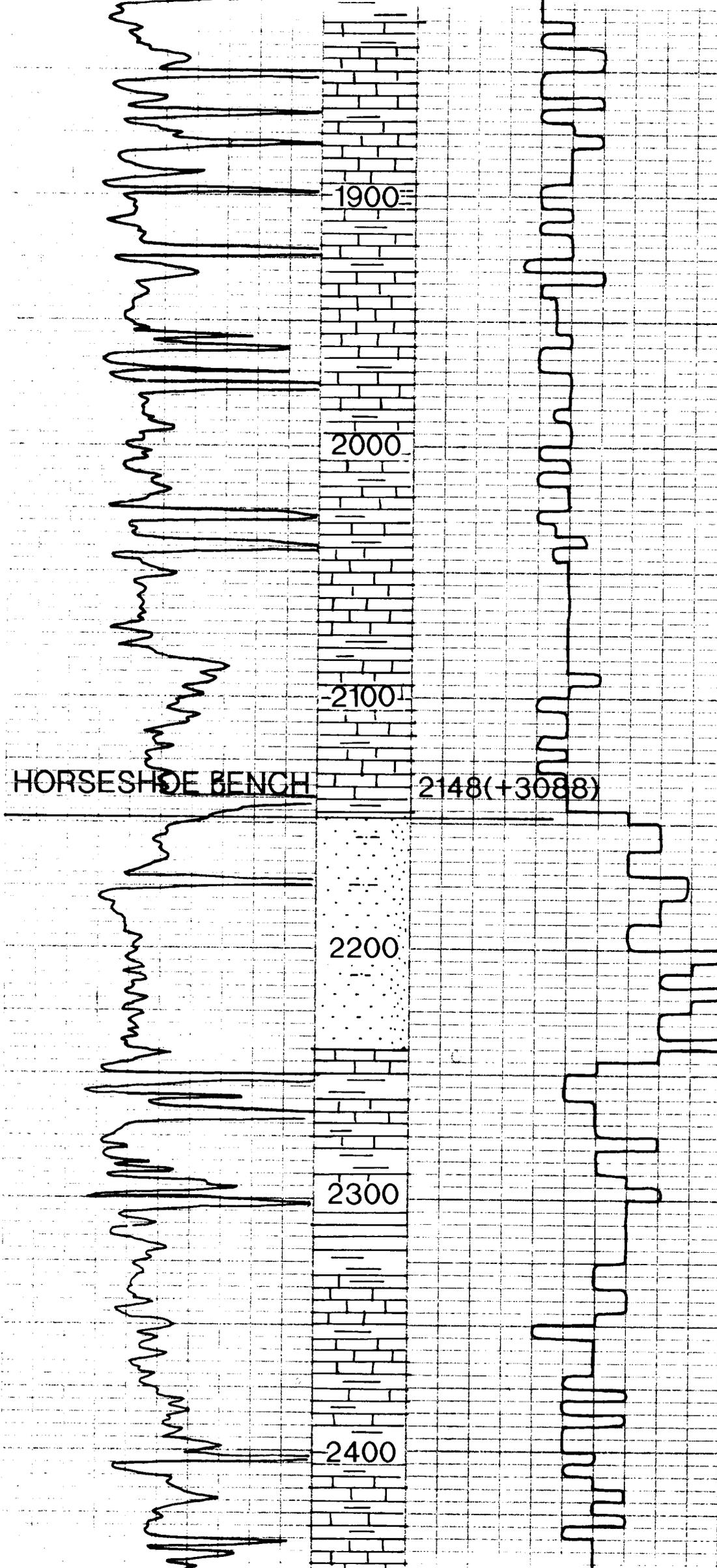
Sh: lt gr, sli calc, platy

ls: no org brn, micritic, platy, argill

GREEN RIVER

1434(+3802)

NO. 101 3355
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 RECORDING CHARTS
 GRAPHIC CONTROLS CORPORATION
 BUFFALO, NEW YORK
 NO. 101 3355
 PRINTED IN U.S.A.



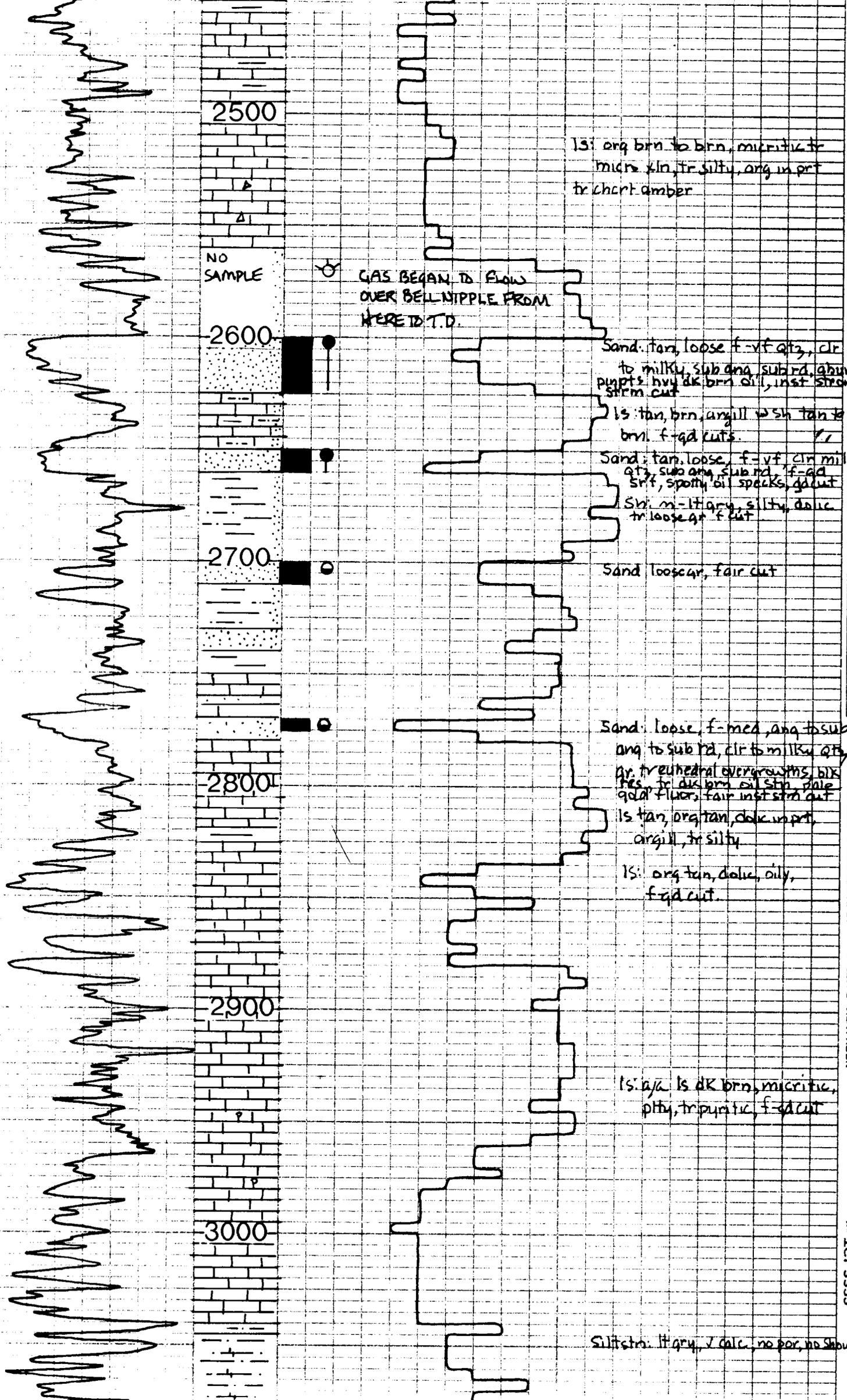
ls: org brn wet, lt brn dry, micritic, argill, oily, pale fluor, interbed w/ shale w/ sim show

interbeds ls. and sh a/a sh dec in cut intensity

s.s. lt gray, v f tr fine, silty, sub ang, no vis ppr, few tight clusters, wh calc cem, fair amt loose gr, no show

ls + sh lt org brn, pale fluor, inst fi to gd cut

sh: dk brn, silty, int bed w/ ls: brn, micritic, argill, tr silty, both w/ f+gd cut a/a



2500

NO SAMPLE

2600

2700

2800

2900

3000

GAS BEGAN TO FLOW OVER BELL NIPPLE FROM HERE TO T.D.

ls: org brn to brn, micritic to micro xln, tr silty, org in prt to chert amber

Sand: tan, loose f-vf qtz, dr to milky, sub ang, sub rd, abund pinpts, hvy dk brn oil, inst strong str m cut

ls: tan, brn, argill w sh tan to brn f-gd cuts

Sand: tan, loose, f-vf, dr m qtz, sub ang, sub rd, f-gd srt, spotty oil specks, gd cut

Siltstn: lt gray, silty, calc to loose qtz f cut

Sand: loose, fair cut

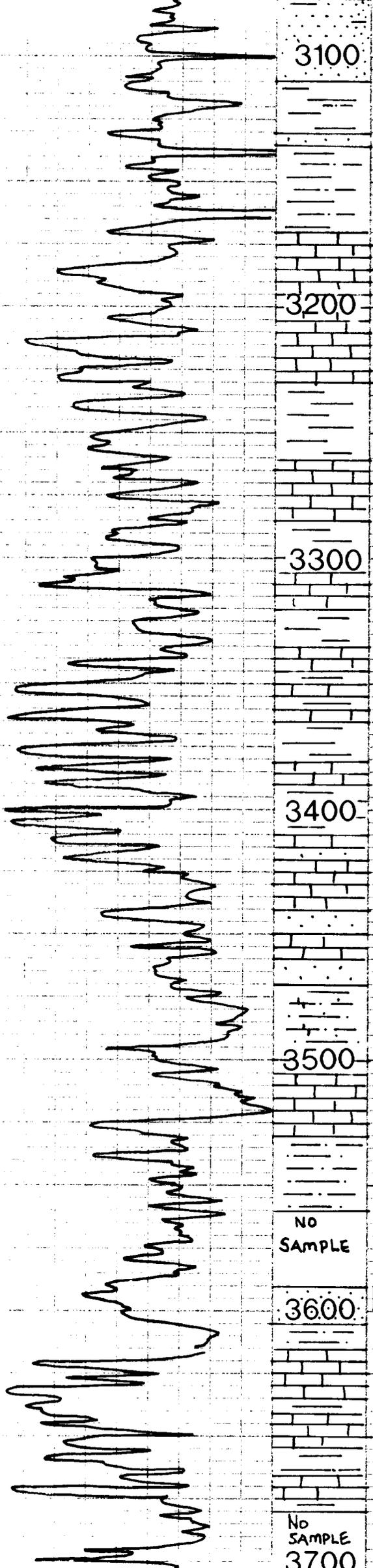
Sand: loose, f-med, ang to sub ang to sub rd, dr to milky qtz, pr. tr euhebral overgrowths, blk res, tr dk brn oil str, pale gold fluv, fair inst str cut

ls: tan, org tan, calc in prt, argill, tr silty

ls: org tan, calc, oily, f-gd cut

ls: a/a ls dk brn, micritic, pthy, tripuritic, f-gd cut

Siltstn: lt gray, v calc, no por, no show



3100

3200

3300

3400

3500

3600

3700

NO SAMPLE

NO SAMPLE

S.S. lt gry, vt gr, much loose gr, sub ang cln to opaque qtz, gr, dolc cem, w/c cut

Sh: lt gry, silty

Interbedd sh + siltstn, pale milky cut.

ls: org brn. to org tan, micritic to chky, f qd cut

Sh: gry tan to lt gry

ls: tan, micritic pty

Sh: gry tan

ls: w/a

sh: w/a

ls: tan, S.S. lt gry vt grn, well cem.

S.S. lt gry to wh, vt gr, glassy, silic, no vis por, silty dk brn stn, sil w/c strm cut, pale plid flux.

Siltstn: w/ang, tv vt sandy, calc

ls: crim, tan, micritic, tr f frag, w/ls: dk brn, micritic, slt w/c cut

Siltstn: lt gry, angill, slt milky cut

S.S. lt gry, vt gr, sub ang, glassy, no vis por, slt milky cut.

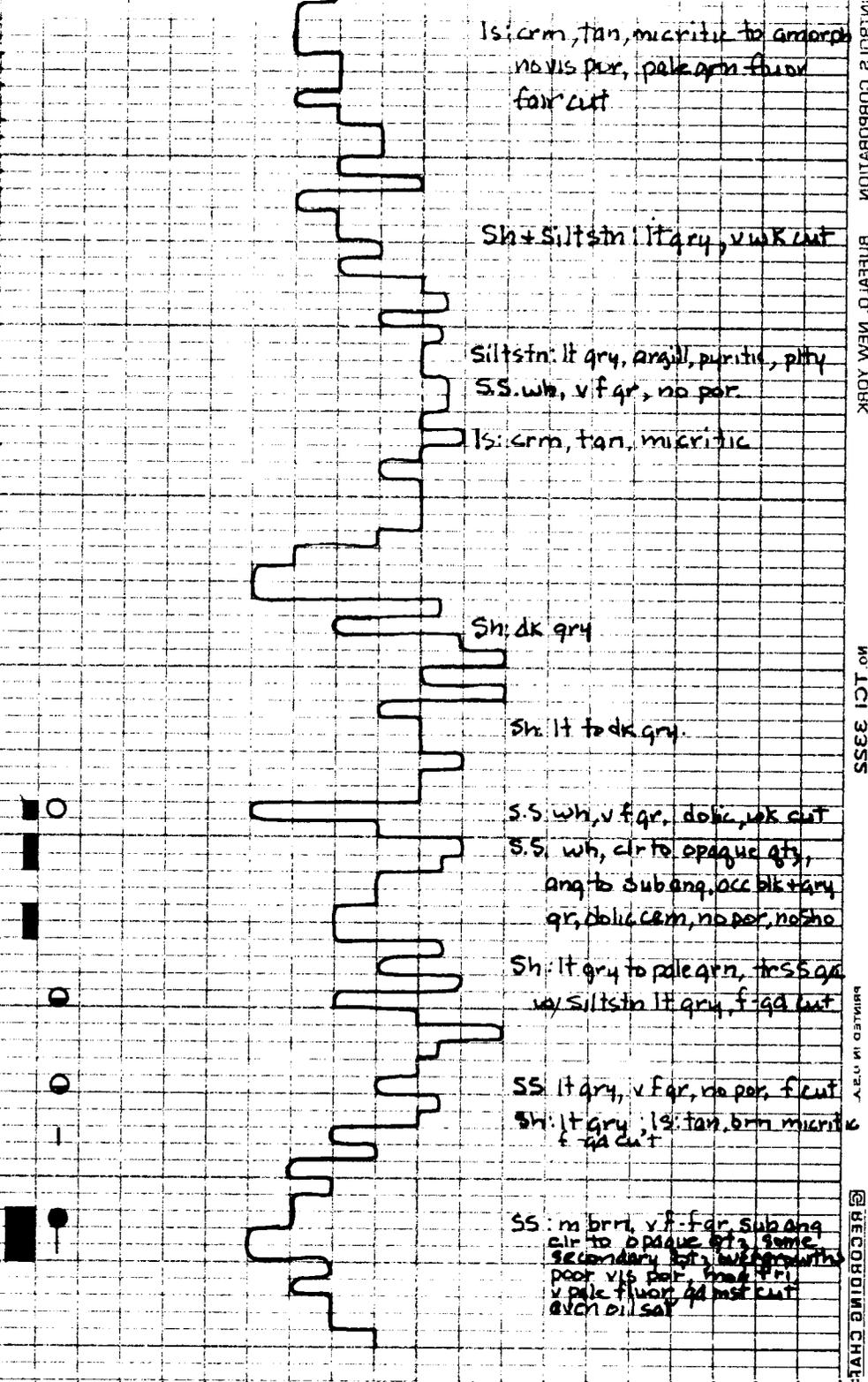
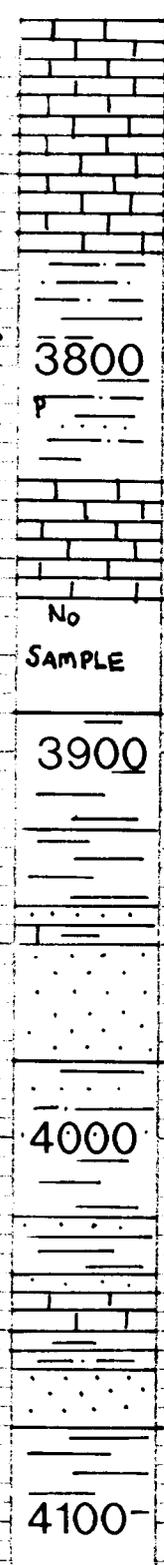
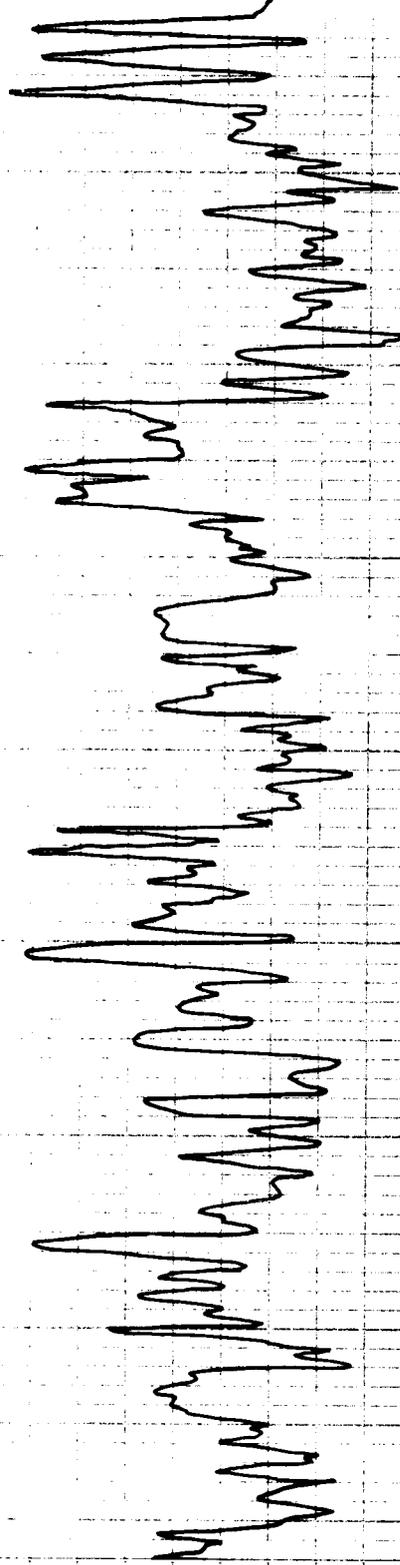
Siltstn: lt gry.

ls: lt gry, tan.

sh: lt gry.

ls: crim, chky, oily

sh: lt gry, tr silty w/ siltstn dolc.

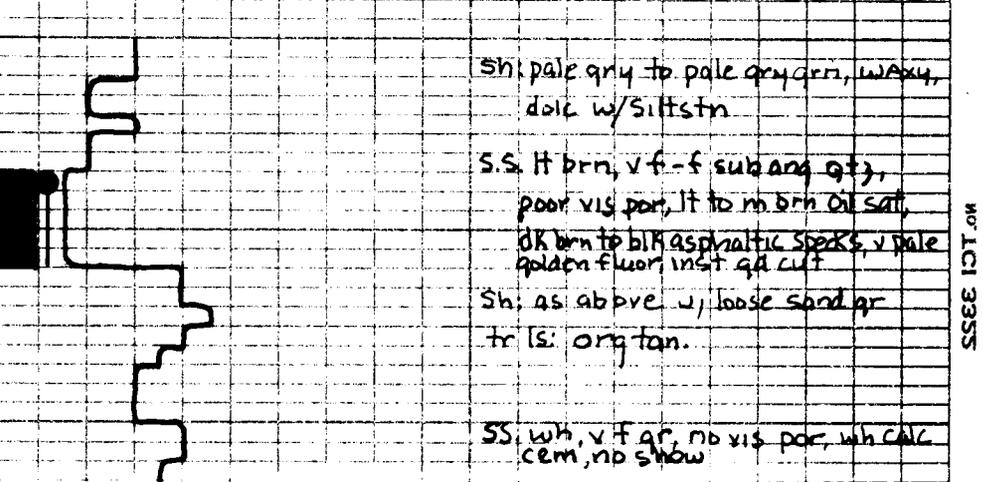
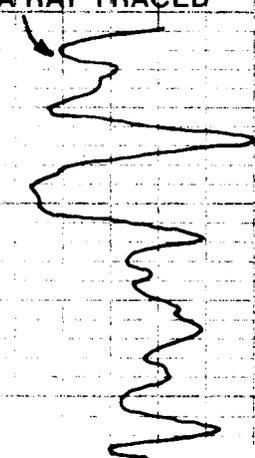


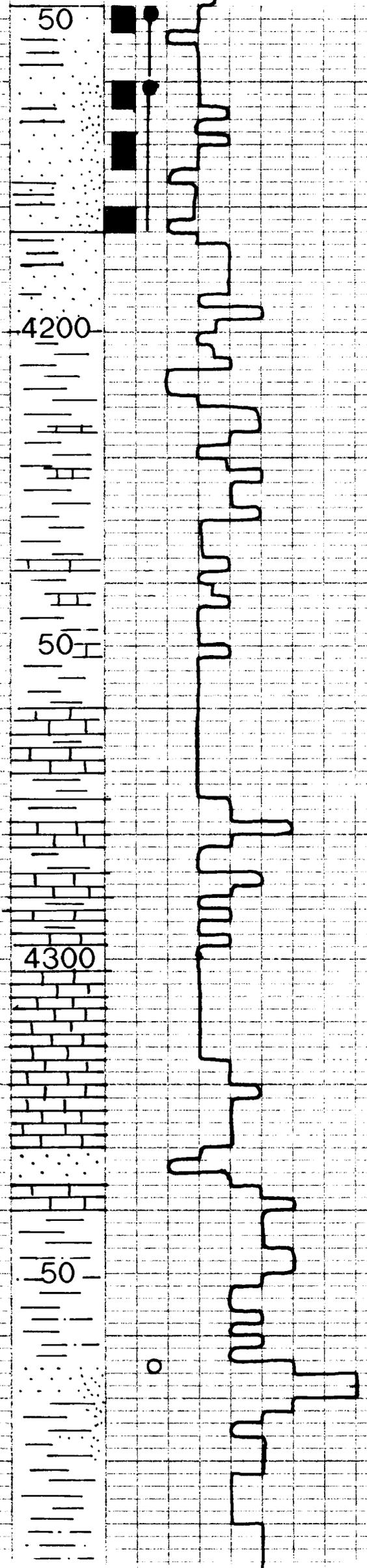
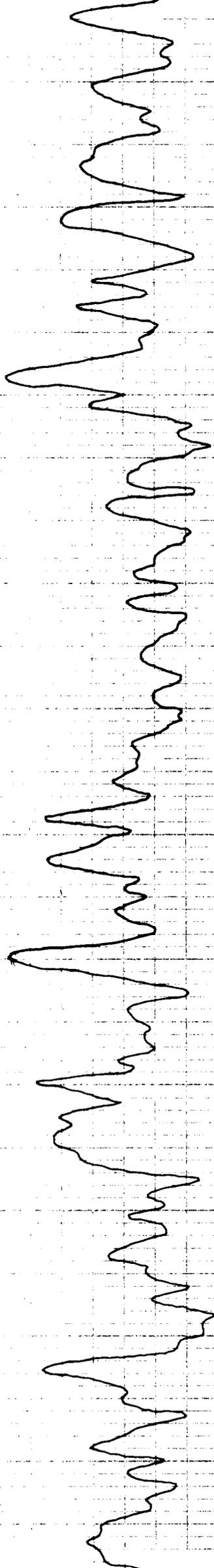
DRILL TIME LOG TOTAL MIN. TO DRILL 2 FT.
VERT SCALE 5" = 100 FT.

1	2	3	4	5	6	7	8	9	10	14	18	25	35	45
12	16	20	30	40										

LOG TOPS NOTED BELOW

GAMMA RAY TRACED





SS lt brn, v f gr, tight, f. oil sat w/ few droplets of dk brn oil, inst. gd str. cut

S.S. lt brn, v f-f tr med gr, poor srt, sub ang qtz, lt brn oil sat w/ fair amt blk asphaltic specks, few drops of free oil, pale f, gd inst. cut

Sh: pale gry, pty. fr oil drops a/a

Sh: lt gry, sil mica, waxy, dolie w/ ls: dk brn to tan, micritic, oil in imp. pt, w-f str. cut

ls: a/a wk-f cut

w/ sh: lt gry

ls: m-dk brn, micritic, wk-f str.

SS wh, v fgr, w srt, well com

sh: lt gry w/ siltstn: lt gry, argill

S.S. wh, v fgr, sub ang, well com calc, tr spotty oil stn, poor cut much loose gr

sh: lt gry
in hedd SS + sh a/a NS

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RECORDING CHART

GRAPHIC CONTROLS CORPORATION

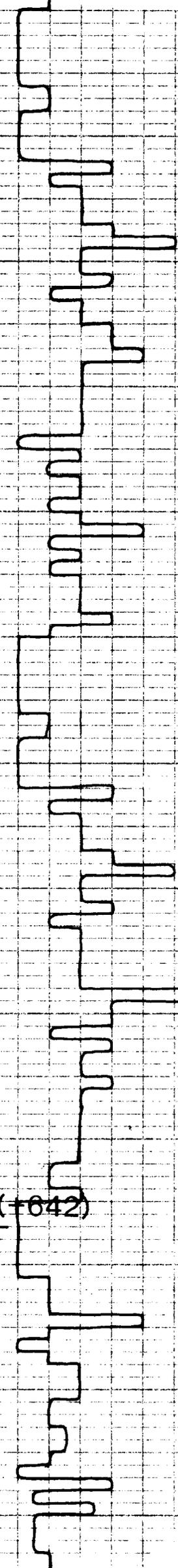
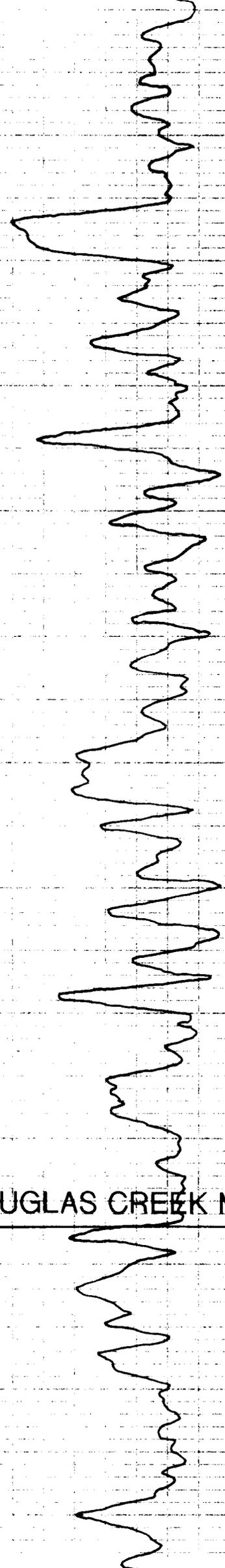
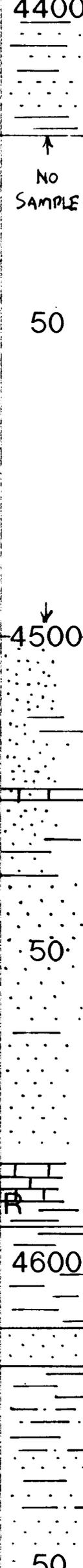
BUFFALO, NEW YORK

NO. LCI 3335

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RECORDING CHART

GRAPHIC



By passing shaker, could not retrieve any reliable samples

60% loose sand gr, v f sublang, tr spotty siln on rare cluster

Sand: loose v f - f tr med dr to opaque Qtz gr, no show tr ls and sh

SS wh v f - f, rare blk + org gr, w silt, wh calcem, tr v wk str cut

SS wh to v lt tan, v f gr a/a tr sh lt gry

ls: dk brn to blk brn, micro kla, dolic, oily, f str cut
Sh: lt gry, dolic

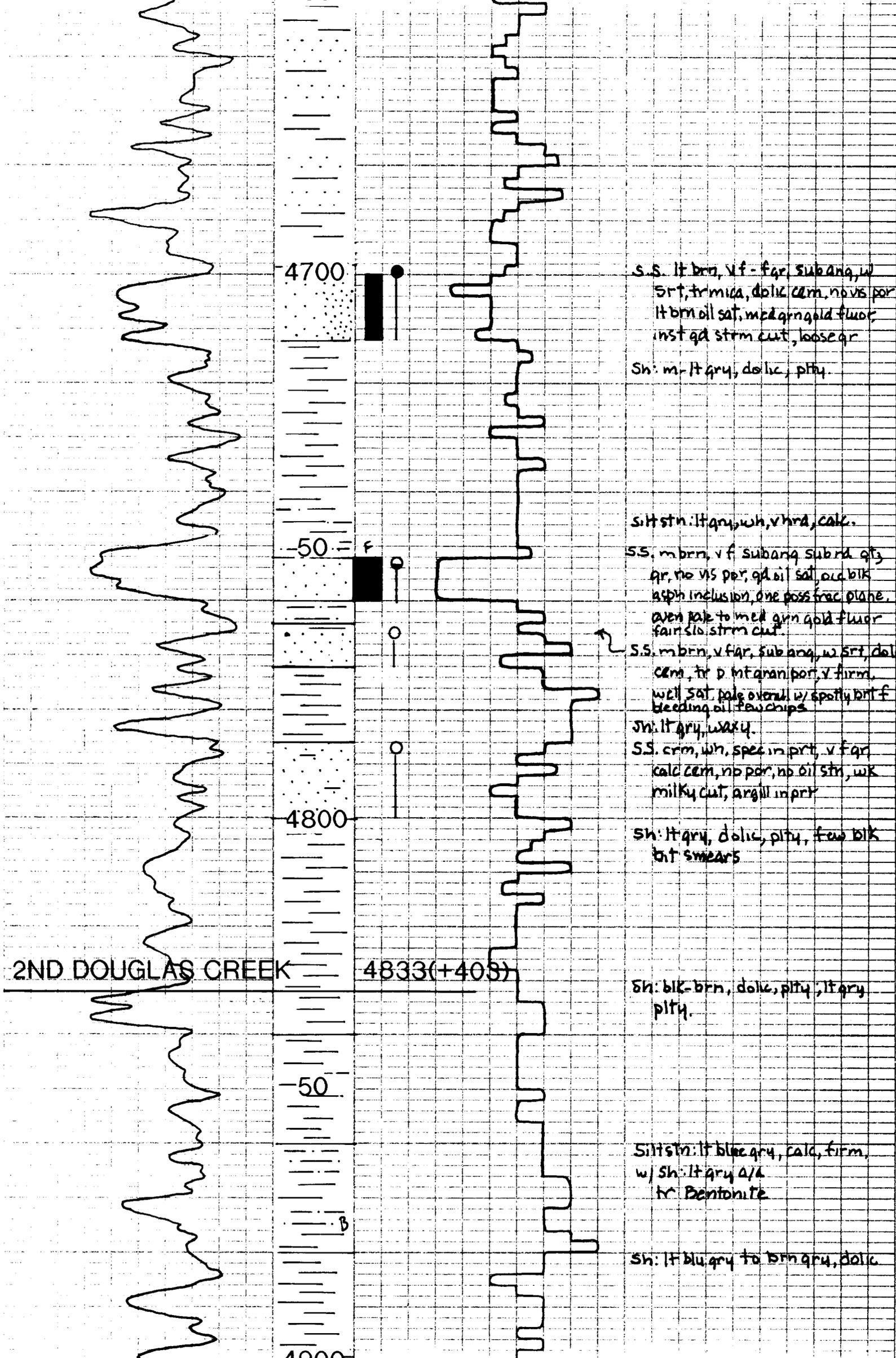
s.s. lt gry, v f gr, silty, no por tr wk cut

Sh: a/a

S.S. a/a tr wk cut

DOUGLAS CREEK MKR

4594(+642)



4700

S.S. lt brn, v f - far, sub ang, w
srt, tr mica, dolc cem, no vs por
lt brn oil sat, med grn gold fluor,
inst gd strm cut, loose gr

Sh: m- lt gry, dolc, pity.

50

Silt stn: lt gry, wh, v hrd, calc.

S.S. m brn, v f sub ang sub rd qtz
gr, no vs por, gd oil sat, ool blk
acph inclusion, one poss frac plane,
even pale to med grn gold fluor
fair slo, strm cut

S.S. m brn, v far, sub ang, w srt, dol
cem, tr p mt gran por, v firm,
well sat, pale overall, w spotty brt f
bleeding oil, few chips

Sh: lt gry, waxy.

S.S. crm, wh, spec in prt, v far
calc cem, no por, no oil str, wk
milky cut, argill in prt

4800

Sh: lt gry, dolc, pity, few blk
bit smears

2ND DOUGLAS CREEK 4833(+408)

Sh: blk-brn, dolc, pity, lt gry
pity.

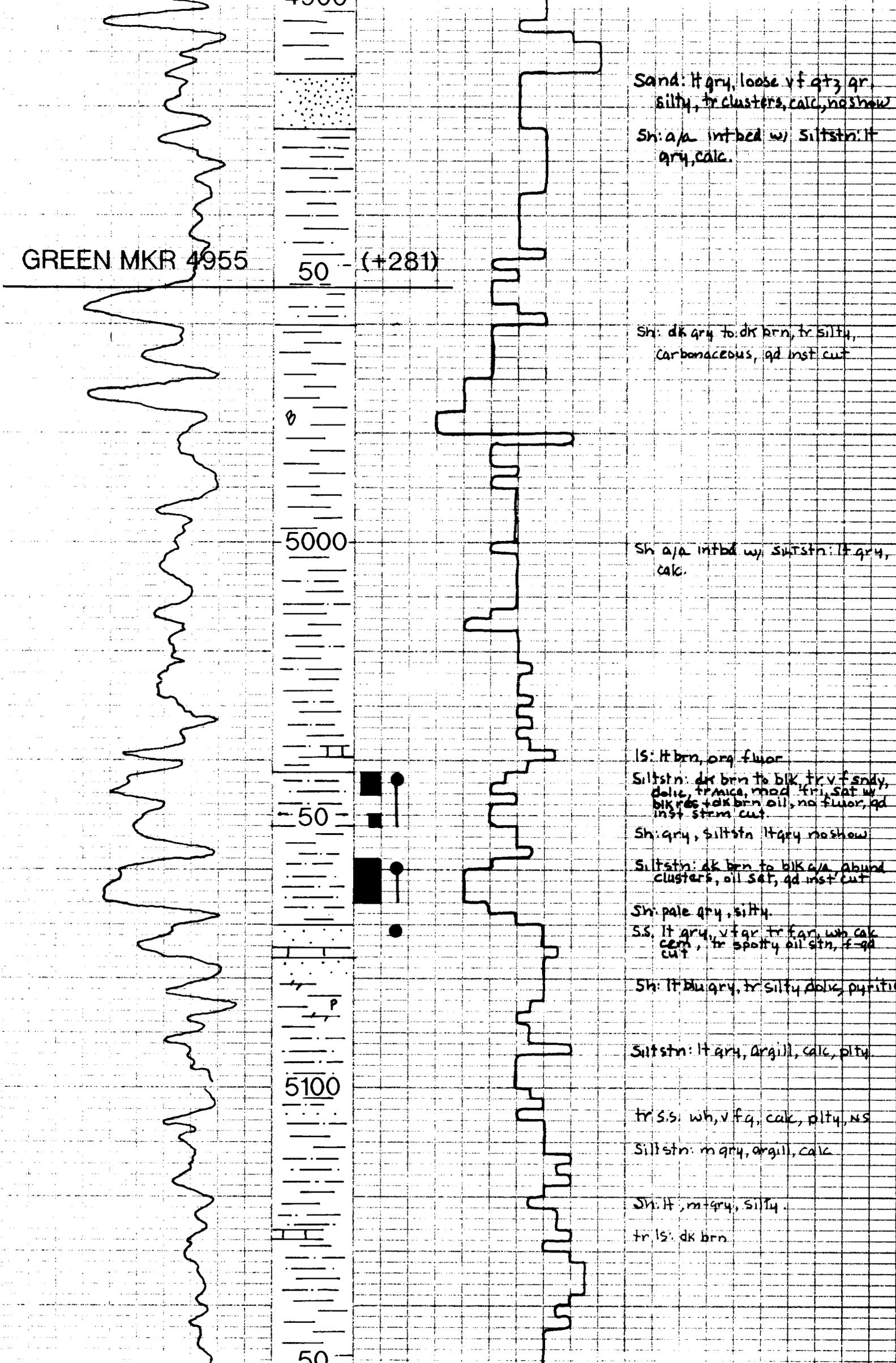
50

Silt stn: lt blue gry, calc, firm,
w/ Sh: lt gry a/a
tr Bentonite

B

Sh: lt blu gry to brn gry, dolc

4833



GREEN MKR 4955

50 (+281)

5000

50

5100

50

Sand: lt gray, loose v f qtz gr.
Silty, tr clusters, calc, no show
Sh: a/a intbed w/ siltstn. lt
gray, calc.

Sh: dk gray to dk brn, tr silty,
Carbonaceous, qd inst cut

Sh a/a intbed w/ siltstn: lt gray,
calc.

ls: lt brn, org fluor
Siltstn: dk brn to blk tr v f sandy,
dolc, trace, mod tr, sat w/
blk res + dk brn oil, no fluor, qd
inst stem cut

Sh: gray, siltstn lt gray no show

Siltstn: dk brn to blk a/a, abund
clusters, oil sat, qd inst cut

Sh: pale gray, silty

SS: lt gray, v f qz tr far, wth calc
cem, tr spotty oil stn, f-qd
cut

Sh: lt bluish gray, tr silty dolc, pyritic

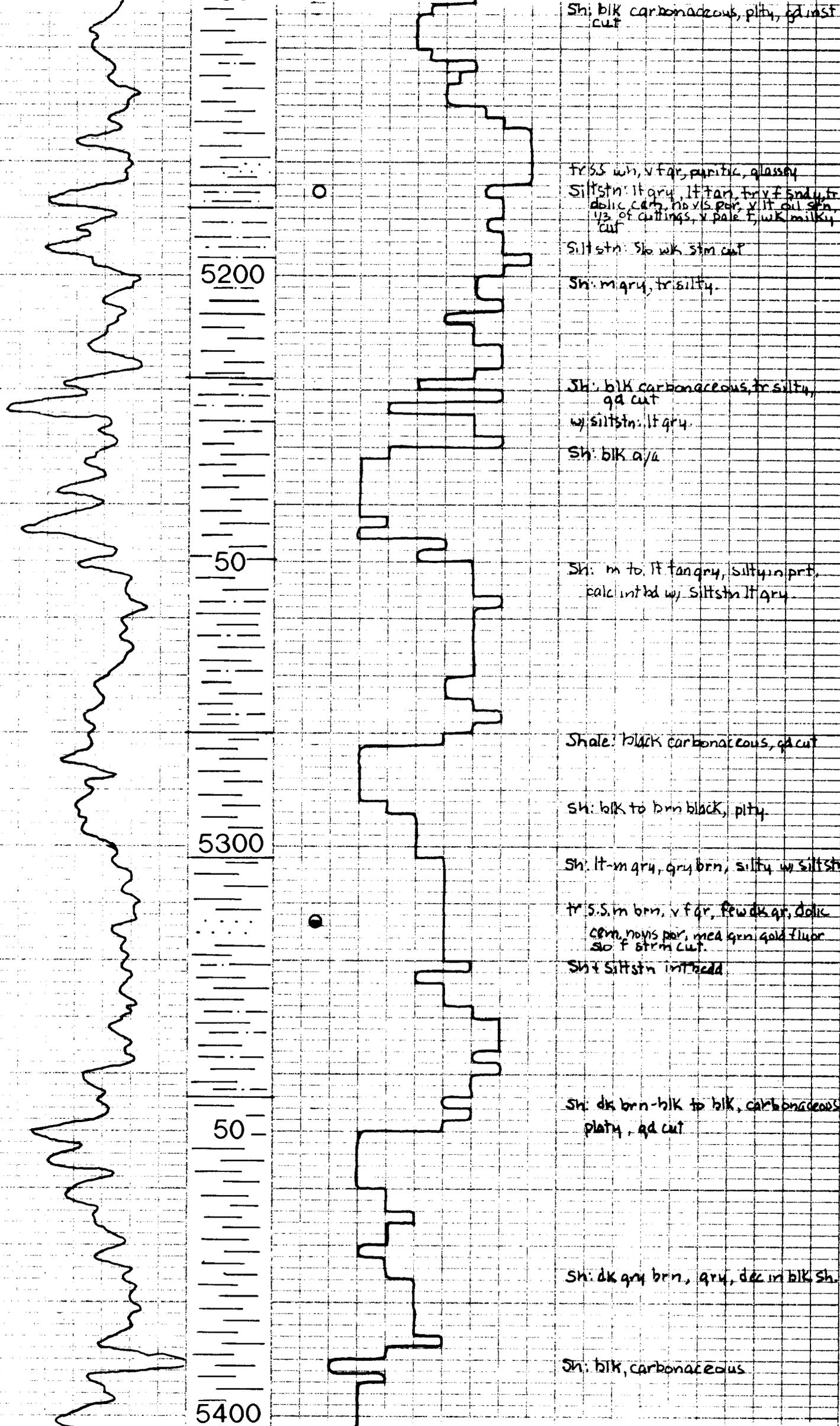
Siltstn: lt gray, argill, calc, plty

tr ss: wh, v f q, calc, plty, ns

Siltstn: m gray, argill, calc

Sh: lt, m gray, silty

tr ls: dk brn



Sh: blk carbonaceous, platy, qd intst cut

fr ss wh, v fq, paritic, glassy
Siltstn: lt gry, lt tan, trv f sand, frnk
dolic carb, no vis par, v lt oil sh
1/3 of cuttings, v pale f, wlk milky cut

Siltstn: Sh w/ strm cut

Sh: m gry, trisilty.

Sh: blk carbonaceous, trsilty, qd cut
w/ siltstn: lt gry.

Sh: blk a/a

Sh: m to lt tan gry, silty in prt, calc intbd w/ siltstn lt gry

Shale: black carbonaceous, qd cut

Sh: blk to brn blk, platy.

Sh: lt-m gry, gry brn, silty w/ siltstn

tr s.s. m brn, v fq, few dk qt, dolic carb, no vis par, med qrn, gold fluor so f strm cut.

Sh & siltstn intbed

Sh: dk brn-blk to blk, carbonaceous platy, qd cut

Sh: dk gry brn, gry, dk in blk sh

Sh: blk, carbonaceous

5200

50

5300

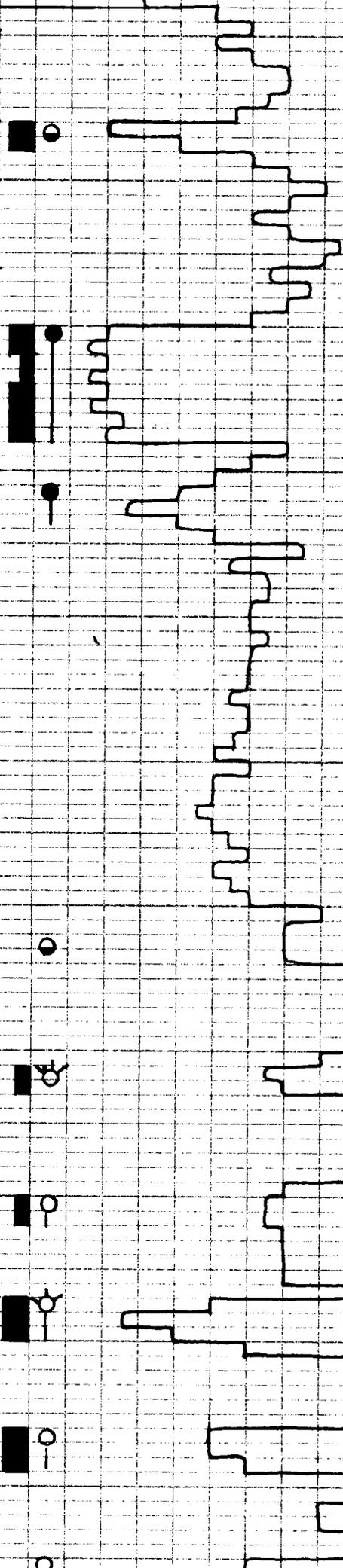
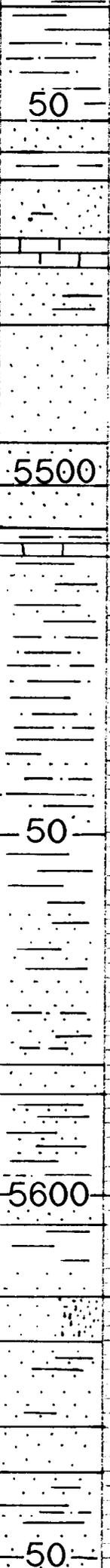
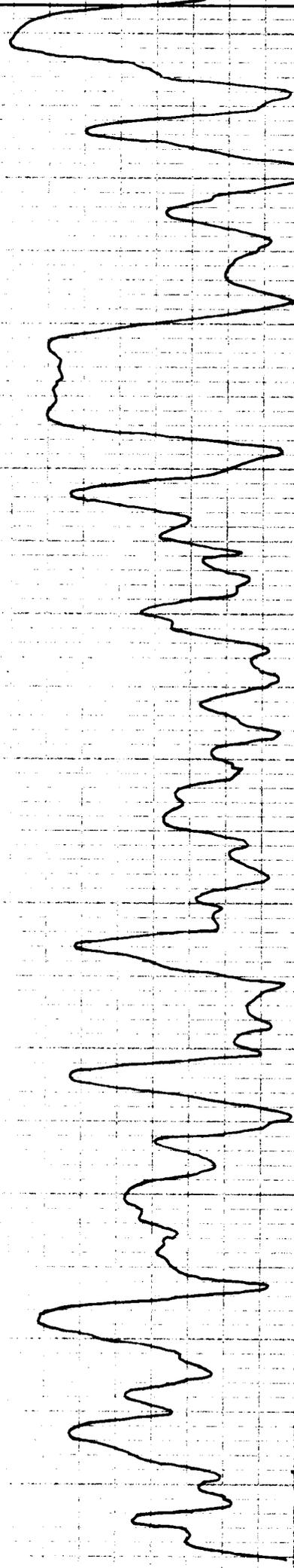
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5400

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WASATCH TONGUE 5436(-200)



Siltstn: lt gry

SS m brn, v f-fgr, sub ang, no vis por, sli dolc, m brn oil sat, blk asph res, p-med flur, f strm/cut

Sh: blu gry, SS wh, s+p, sub ang, v f-fgr, wh dy cem, no por, NS

LS: m brn, blk y, micritic

SS a/a s+p, v f, f tr med ar, p srt no por, NS

SS lt brn, fr s+p, v f-f tr med ar, clr to opa qtz, sli gr size inc w depth, dolc cem, v fri, even brn oil str, num specks dk brn to blk res, fr blk oil, m qtz flur, inst strm/cut

SS a/a

Siltstn: lt gry, argill, pyritic, calc, pity, LS: tan, micritic

w/ SS wh, v fgr, sharp, no por, NS

Sh: blk, carb

fr SS m brn, w srt, lite, m brn oil str

SS lt gry to wh, v fgr, wh calc cem; siltstn: lt gry; Sh: lt gry

SS wh, lt tan, s+p, v f sub ang, blk sh frags, well cem, lite oil str, blk oil gold flur, wk strm cut gas?

SS wh, s+p, blk tr org, + grn gr wh calc cem, no por, NS

w Sh: lt gry, pity

SS wh, s+p, blk tr lite oil str, wk cut

Sh: wh, lt gry, blk carb flakes

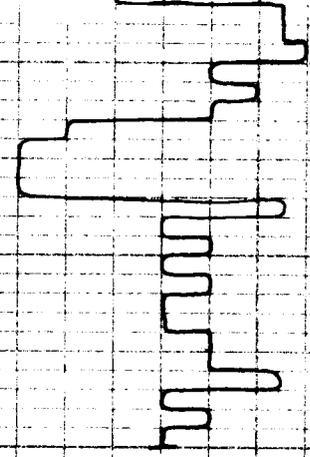
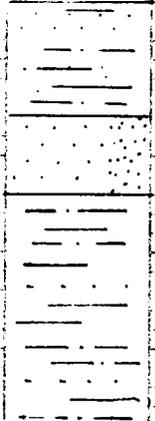
SS wh, lt tan, f-mar, sub ang, rd blk sh frags, v fri, sst, much loose gr, oil w brn gold flur, wk slow strm cut gas?

SS tan, gry tan, v fgr s+p, nos how

SS v lt tan, f to tr med ar, tr s+p, fair srt, wh sli dolc cem, med fri, lt tan oil cast, blk grn gold flur, sli wk micr, cut

SS lt gry, v f-fgr, tr s+p, argill, no sh

SS lt gry, v f-f tr med ar, poor srt



tr ssp, loose gr, tr wk mlky cut
SS wh, lt gry, ssp in prt, sub
ang sub rd, tr lt brn stn, 10%
brn qn gold fl, wk silt stem
cut, abund loose gr

Silt stn: m to dk gry, carbonaceous
grades to sh. blk carb.

5700

TD DRL 5700, LOGGER 5002

50

5800

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

12-6-92 Completion

Casing pressure 1000 psi. Flow 35 bbls. Had to thaw out valves & BOP. TIH w/plug catcher & tbg. Tag sand @ 5078'. Circulate sand off plug. Latch onto plug & release. Press under plug, flowed approximately 20 bbls. TOOH & flowing about a 1" stream all the way out. Lay down plug & TIH w/packer & tbg, still flowing going in hole. Set packer at 4930' with tail jt @ 4961'. Swab 2-1/2 hrs & FL dropping very slow. Swab 66 bbls & FL @ 2100' last pull. Oil cut about 1090' and getting fairly greasy. Shut well in & SDFN.

DC: \$1965 CC: \$227,782

12-7-92 Completion

TP - 35#, FL - 100'. Swab 56 bbls in 3 hrs. First 2 pulls 80-90% oil, to rest 10-40% oil, very gassy. Lose sinker bar & swab in hole. Try to fish it, couldn't get ahold of it. Release packer & tag sand @ 5590'. Circ sand down to 5610' & plug off. Pull wet string of tbg. Get out of hole & have 15' of sand on top of swab. Get ready to perf in a.m. SWI & SDFN.

DC: \$3,435

CC: \$231,217

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

- 11-30-92 Completion
Install tbg head. Csg pressure still 300#. Blow gas off csg, get sample of gas. 6 hrs shut-in & pressure back up to 260#.
- 12-1-92 Completion
Surface csg pressure 285#. Clean location w/road drag. MI pulling unit & RU. Get circulating unit moved & set frac tanks.
DC: \$4,185 CC: \$176,304
- 12-2-92 Completion
Move tbg from 11-6, 24-6, 33-6, 42-6 to location. PU bit & scraper & run in to PBTC, 5660'. Circ hole w/2% KCL wtr. Start to POOH & main drun shaft in pulling unit broke. Will take 5 to 7 days to repair. RD pulling unit & will get another pulling unit tomorrow. SDFN.
DC: \$1,775 CC: \$178,079
- 12-3-92 Completion
MI Cannon Well Service & RU. TOH w/tbg, bit & scraper. RU Schlumberger & perf 5480'-5496', 2 SPF w/4" csg gun. Bond log & collar log. SWI & SDFN.
DC: \$7,699 CC: \$185,778
- 12-4-92 Completion
Casing on vacuum. TIH w/packer & 177 jts tbg. Spot 250 gals 15% HCl, set packer. Break down @ 3200#. Instant shut down pressure 1200#, 5 min. @ 1000#. RD Western & well flowed 8 bbls back. Swab down to packer. Make swab pull every 30 min. for 2 1/2 hours & get 150 ft each pull. Water, oil & fair amount of gas. Release packer & trip out of hole. Shut well in & SDFN.
DC: \$4,209 CC: \$189,987
- 12-5-92 Completion
Heat water, RU Western & frac 5480'-5496'. Average 25 BPM @ 2200 psi. 35,000 lbs sand. ISDP @ 2100 psi. Lubricate wire line packer in & set @ 5100'. Perf. 5044'-5049', 5061'-5069', 2 SPF. Run packer & tbg & break perms down with 250 gal HCl. Break down @ 4510 psi. Get rate of 13.3 BPM @ 4100 psi. Release packer & TOOH. Frac upper perf at 25 BPM, average @ 2350 psi. 35,500 lbs sand. ISDP @ 2150 psi, 5 min @ 1860 psi, 10 min @ 1640 psi, 15 min @ 1560 psi. Shut well in & SDFN.
DC: \$35,830 CC: \$225,817

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To Oil, Gas & Mining	From Nolly Comad	
Co. State of Utah	Co. Balacron Oil	
Dept.	Phone #	

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

12-6-92 Completion
Casing pressure 1000 psi. Flow 35 bbls. Had to
thaw out valves & BOP. TIH w/plug catcher &
tbq. Tag sand @ 5078'. Circulate sand off
plug. Latch onto plug & release. Press under
plug, flowed approximately 20 bbls. TOOH &
flowing about a 1" stream all the way out. Lay
down plug & TIH w/packer & tbq, still flowing
going in hole. Set packer at 4930' with tail jt
@ 4961'. Swab 2-1/2 hrs & FL dropping very
slow. Swab 66 bbls & FL @ 2100' last pull. Oil
cut about 1090' and getting fairly greasy. Shut
well in & SDFN.
DC: \$1965 CC: \$227,782

12-7-92 Completion
TP - 35#, FL - 100'. Swab 56 bbls in 3 hrs. First 2
pulls 80-90% oil, to rest 10-40% oil, very gassy. Lose
sinker bar & swab in hole. Try to fish it, couldn't get
ahold of it. Release packer & tag sand @ 5590'. Circ
sand down to 5610' & plug off. Pull wet string of tbq.
Get out of hole & have 15' of sand on top of swab. Get
ready to perf in a.m. SWI & SDFN.
DC: \$3,435 CC: \$231,217

12-8-92 Completion
Csg pressure 15#. RU O.W.P. & GIH w4" csg gun. Get to
725' & had to get hot oil unit to heat & pump 25 bbls hot
wtr down hole to get thru thick oil. Perf 4700'-08',
4749'-60', 2 holes per ft. TIH w/bridge plug & packer.
Set BP @ 4810' & packer @ 4625'. Swab well down to
packer. No fluid entry. WO Western. Western calls &
can't make it till tomorrow morning. SWI & SDFN.
DC: \$3,893 CC: \$235,110

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



BALCRON OIL

A Division of
Equitable Resources Energy Company

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

February 17, 1993

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

Gentlemen:

RE: Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah

Enclosed are the Well Completion Report and Report of
Water Encountered for the referenced well.

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

Enclosures

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DIVISION OF
OIL, GAS & MINING



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7880

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DIVISION OF
OIL GAS & MINING

February 17, 1993

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

Gentlemen:

Enclosed are the complete Daily Operating Reports for
the following wells:

Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah

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

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

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

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

Enclosures

#31. Perforation Record:

4064 - 4072	3 Holes, 4" casing gun
4107 - 4122	4 Holes, 4" casing gun
4174 - 4184	4 Holes, 4" casing gun
4700 - 4708	2 SPF, 4" casing gun
4749 - 4760	2 SPF, 4" casing gun
5044 - 5049	2 SPF, 4" casing gun
5061 - 5069	2 SPF, 4" casing gun
5480 - 5496	2 SPF, 4" casing gun

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#32. Acid, Shot, Fracture, Cement squeeze, Etc.

4064 - 4184	500 Gal. 15% HCl 83,000 # 16/30 sand
4700 - 4760	500 Gal. 15% HCl 50,790 # 16/30 sand
5044 - 5069	250 Gal. 15% HCl 35,500 # 16/30 sand
5480 - 5496	250 Gal. 15% HCl 35,000 # 16/30 sand

DIVISION OF
OIL, GAS & MINING

DMM/2/2/93

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #24-5

43-013-31275

Location: SE SW Section 5, T9S, R17E

Duchesne County, Utah

2180' FWL, 800' FSL

PTD: 5,600' Formation: Green River

Monument Butte Prospect

Elevations: 5,223' GL

Contractor: Molen Drilling Rig #1

Operator: Balcron/EREC

Spud: 11-7-92 @ 10 a.m.

Casing: 8-5/8" @ 258' GL

5-1/2" @ 5699' KB

Tubing: 2-7/8" @ 4665.28' KB

---TIGHT HOLE---

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- 11-3-92 Start building location & road.
- 11-6-92 Parker Air Drilling MIRU.
- 11-7-92 Spud well @ 10 a.m. Get 8" hole drilled to 260'.
- 11-8-92 Finish location. Ream 12-1/4 to 80'.
- 11-9-92 Get hole reamed to 260'. Get ready to run csg.
DC: \$16,295 CC: \$16,295
- 11-10-92 Run 6 jts 8-5/8" csg & cmt same.
- 11-11-92 Drill rat hole & mouse hole. 8-5/8" guide shoe (1.10');
6 jts 8-5/8" 24# J-55 csg (258.20'). Csg landed @ GL
258'. Cmt w/150 sxs 75% G & 25% POZ, 2% CCL & 1/4#/sx
Celoflake. Good returns. 10 bbls cmt back. Cmt fall
back 5'. Plug down @ 12:45 a.m. 11-10-92.
DC: \$7,588 CC: \$23,883
- 11-13-92 Get backhoe out & dig collar around surface pipe. Hard
rock.
- 11-14-92 Weld head on surface pipe. Ready for drilling rig.
- 11-16-92 TD: 260' (0')
Formation: Duchesne
Present Operation: WO rotary.
DC: \$1,740 CC: \$25,623
- 11-17-92 TD: 260' (0')
Formation: Duchesne
Present Operation: RU
MIRU. Get liner in pit & hauling wtr. Did not get
derrick raised.
DC: \$4,800 CC: \$30,423

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

- 11-18-92 TD: 908' (637') Day 1
Formation: Duchesne
MW 8.5 VIS 27 pH 12
Present Operation: Drilling
RU, NU & test stack - OK. BOP & manifold & line to
2000#. Surface pipe to 1500#. Drill cmt & shoe. Drill
& survey.
DC: \$9,857 CC: \$40,280
- 11-19-92 TD: 2,105' (1,197') Day 2
Formation: Green River
MW 8.4 VIS 27 pH 9
Present Operation: Survey
Drill, survey, & clean on rig.
DC: \$14,742 CC: \$55,022
- 11-20-92 TD: 2,918' (813') Day 3
Formation: Green River
Present Operation: Drilling
DC: \$11,140 CC: \$66,162
- 11-21-92 TD: 3,716' (798') Day 4
Formation: Green River
MW 8.4 VIS 27 pH 11
Present Operation: Repair rotary chain.
Drill, survey, clean on rig, work on mud pump, repair
rotary chain. 3200 units gas.
DC: \$10,550 CC: \$76,712
- 11-22-92 TD: 4,391' (675') Day 5
Formation: Green River
MW 8.5 VIS 27 pH 10
Present Operation: Drilling
Drill, survey, clean on rig. Work on mud pump. 3000
units gas.
DC: \$9,185 CC: \$85,897
- 11-23-92 TD: 4,842' (451') Day 6
Formation: Green River
MW 9.3 VIS 27 pH 10
Present Operation: Drilling
Drill, survey, clean on rig. Close well in & check
pressure on csg, 29# in 15 min. Haul 3 loads brine wtr
& get wt. to 8.9. Start mixing salt to get wt to 9.4.
Repair pump. Still mixing salt. Background gas - 1500 -
2000 units.
DC: \$7,641 CC: \$93,538

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DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

DIVISION OF
OIL, GAS & MINING

---TIGHT HOLE---

- 11-24-92 TD: 5,250' (408') Day 7
Formation: Green River
MW 9.5 VIS 27 pH 9.5
Present Operation: Drilling
Drill, survey, get mud wt to 9.5 & keep it there. Mud still going over drlg nipple when going over shaker. Unload 124 jts 5-1/2" csg. Still got shaker bypassed.
DC: \$7,219 CC: \$100,830
- 11-25-92 TD: 5,665' (415') Day 8
Formation: Green River
MW 9.5+ VIS 28 pH 9.4
Present Operation: Drilling
Drill, survey, keep wt 9.5 w/salt. Bypass shaker.
DC: \$7,880 CC: \$108,710
- 11-26-92 TD: 5,700' (35') Day 9
Formation: Green River
MW 9.6 VIS 29 pH 9.7
Present Operation: Laying down drill pipe.
Drill, circ for logs, drop survey, TOH. Log. TIH, start laying down drill pipe.
DC: \$16,501 CC: \$125,211
- 11-27-92 TD: 5,700' (0') Day 10
Formation: Green River
Present Operation: Rig moving off location.
LD drill pipe & collars. RU casers & run 5-1/2" csg. Cmt w/Western. Clean tanks, ND BOP. Set slips & cut csg off. 5-1/2" guide shoe & shoe jt - 28.25'; 5-1/2" float collar - 2.36; 126 jts 5-1/2", 15.5#, J-55 csg - 5691.33'; 20 centralizers - 5721.94'. Csg landed @ 5699'. PBSD - 5668'. Cmt w/238 sxs Thrifty lite & tail w/405 swxs 50-50 POZ. Plug down 3 p.m. 11-26-92. Rig released @ 8 p.m. 11-26-92.
DC: \$46,908 CC: \$172,119
- 11-27-92 Completion
Rotary rig moved off by noon. 3 p.m. gas coming through slips in csg head. Check pressure & have 160# pressure. Tighten up pickin slips & stop leaking.
DC: \$0 CC: \$172,119
- 11-28-92 Completion
Check pressure on csg & 355#.
- 11-29-92 Completion
Check pressure on csg & 300#. Get anchors set.

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

- 11-30-92 Completion
Install tbg head. Csg pressure still 300#. Blow gas off csg, get sample of gas. 6 hrs shut-in & pressure back up to 260#.
- 12-1-92 Completion
Surface csg pressure 285#. Clean location w/road drag. MI pulling unit & RU. Get circulating unit moved & set frac tanks.
DC: \$4,185 CC: \$176,304
- 12-2-92 Completion
Move tbg from 11-6, 24-6, 33-6, 42-6 to location. PU bit & scraper & run in to PBTC, 5660'. Circ hole w/2% KCL wtr. Start to POOH & main drun shaft in pulling unit broke. Will take 5 to 7 days to repair. RD pulling unit & will get another pulling unit tomorrow. SDFN.
DC: \$1,775 CC: \$178,079
- 12-3-92 Completion
MI Cannon Well Service & RU. TOH w/tbg, bit & scraper. RU Schlumberger & perf 5480'-5496', 2 SPF w/4" csg gun. Bond log & collar log. SWI & SDFN.
DC: \$7,699 CC: \$185,778
- 12-4-92 Completion
Casing on vacuum. TIH w/packer & 177 jts tbg. Spot 250 gals 15% HCl, set packer. Break down @ 3200#. Instant shut down pressure 1200#, 5 min. @ 1000#. RD Western & well flowed 8 bbls back. Swab down to packer. Make swab pull every 30 min. for 2 1/2 hours & get 150 ft each pull. Water, oil & fair amount of gas. Release packer & trip out of hole. Shut well in & SDFN.
DC: \$4,209 CC: \$189,987
- 12-5-92 Completion
Heat water, RU Western & frac 5480'-5496'. Average 25 BPM @ 2200 psi. 35,000 lbs sand. ISDP @ 2100 psi. Lubricate wire line packer in & set @ 5100'. Perf. 5044'-5049', 5061'-5069', 2 SPF. Run packer & tbg & break perms down with 250 gal HCl. Break down @ 4510 psi. Get rate of 13.3 BPM @ 4100 psi. Release packer & TOOH. Frac upper perf at 25 BPM, average @ 2350 psi. 35,500 lbs sand. ISDP @ 2150 psi, 5 min @ 1860 psi, 10 min @ 1640 psi, 15 min @ 1560 psi. well in & SDFN.
DC: \$35,830 CC: \$225,817

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DIVISION OF
OIL, GAS & MINING

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

- 12-6-92 Completion
Casing pressure 1000 psi. Flow 35 bbls. Had to thaw out valves & BOP. TIH w/plug catcher & tbq. Tag sand @ 5078'. Circulate sand off plug. Latch onto plug & release. Press under plug, flowed approximately 20 bbls. TOOH & flowing about a 1" stream all the way out. Lay down plug & TIH w/packer & tbq, still flowing going in hole. Set packer at 4930' with tail jt @ 4961'. Swab 2-1/2 hrs & FL dropping very slow. Swab 66 bbls & FL @ 2100' last pull. Oil cut about 1090' and getting fairly greasy. Shut well in & SDFN.
DC: \$1965 CC: \$227,782
- 12-7-92 Completion
TP - 35#, FL - 100'. Swab 56 bbls in 3 hrs. First 2 pulls 80-90% oil, to rest 10-40% oil, very gassy. Lose sinker bar & swab in hole. Try to fish it, couldn't get ahold of it. Release packer & tag sand @ 5590'. Circ sand down to 5610' & plug off. Pull wet string of tbq. Get out of hole & have 15' of sand on top of swab. Get ready to perf in a.m. SWI & SDFN.
DC: \$3,435 CC: \$231,217
- 12-8-92 Completion
Csg pressure 15#. RU O.W.P. & GIH w4" csg gun. Get to 725' & had to get hot oil unit to heat & pump 25 bbls hot wtr down hole to get thru thick oil. Perf 4700'-08', 4749'-60', 2 holes per ft. TIH w/bridge plug & packer. Set BP @ 4810' & packer @ 4625'. Swab well down to packer. No fluid entry. WO Western. Western calls & can't make it till tomorrow morning. SWI & SDFN.
DC: \$3,893 CC: \$235,110
- 12-9-92 Completion
TP - 5#. RU Western & break perfs 4700'-60' down w/500 gas 15% HCL. Break down @ 650# & get rate of 8-1/2 bbls/min @ 3250#. SIDP - 1350#, 5 min 1200#, 40 bbl load. Flowed back 8 bbls. Swabbed 4 hrs & get 41 bbls. Last 4 pulls 30 min apart & get 200' each pull 80% oil, gassy. Release packer & TOH. Get ready to frac. SWI & SDFN. Will frac Friday 12-11-92. Total flowed & swabbed 49 bbls.
DC: \$2,950 CC: \$238,060
- 12-10-92 Completion
Shut down WO Western.

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OIL, GAS & MINING

DAILY OPERATING REPORT

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BALCRON MONUMENT FEDERAL #24-5

Location: SE SW Section 5, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE DIVISION OF
OIL, GAS & MINING

- 12-11-92 Completion
CP - 20#. RU Western & frac perms 4700-60' w/50,790# sand @ rate of 25 bbls/min, average pressure 1950#. SIDP - 1960#, 5 min 1700. RU Schlumberger & set ret plug @ 4250'. Perf 4064', 68', 72'; 4107', 11', 16', 22', 74', 76', 82', 84'. 11 holes. TIH w/packer & tbg & break perms down w/500 gals HCL. Get 14.2 bbls/min @ 3000#. Release packer & TOOH. Frac upper perms w/83,000 lbs sand, at rate of 30 bbls/min @ average pressure of 1780#. SIDP - 1450#, 5 min 1330#, 10 min 1290#, 15 mins 1260#. SWI & SDFN.
DC: \$48,536 CC: \$286,596
- 12-12-92 Completion
CP - 890#. Flow 35 bbls. TIH w/plug catcher & tbg. Tag sand @ 4180', circ sand out to plug & latch onto plug. Release plug & have 450# pressure. Flow to pit, approximately 40 bbls. TOH LD plug & GIH w/retainer, B.P. catcher, 1 jt tbg, & packer. Set packer @ 3985' & end of catcher @ 4018'. Well flowing back about a 1" stream tripping out & in. Swab 2-1/2 hrs & recover 77 bbls. Last 2 or 3 pulls 1-2% oil, & getting gassy. Last pull FL was @ 1900'. SWI & SDFN. Flowed & swabbed 152 bbls+. Load to recover from frac 1267 bbls.
DC: \$2,029 CC: \$288,625
- 12-13-92 Completion
TP - 30#. Flowed 2 bbls oil, swab 3 hrs & recover 90 bbls wtr & oil, very gassey. Last pull fluid level was 2000' & oil cut 20%. Release packer & tag sand @ 4725' Circ sand out to bridge plug at 4810'. Circ hole clean & TOH w/BP & packer. TIH w/production tbg. SWI & SDFN. Flowed & swabbed 93 bbls. Tbg detail: 1 jt 2-7/8", J-55 (30.72); Perf sub (3'); seating nipple (1'); 150 jts 2-7/8", J-55 (4619.56'); tbg landed @ 4665.28' KB.
DC: \$2,535 CC: \$291,160
- 12-14-92 Completion
Nipple down BOP & NU wellhead. SWI & RD pulling unit & move off. Trip to Gillette.
DC: \$2,175 CC: \$293,335
- 1-12-93 Completion
MIRU Cannon well service Rig #2.
- 1-13-93 Completion
Flush tbg w/60 bbls hot fluid. Could not kill well. Move tank in & flow to tank. Kill well w/20 bbls fluid. TIH w/one BHP 2-1/2 x 1-1/4 x 14 RHAC, 182 3/4" x 25' rods(plain); two 3/4" x 6' pony; two 3/4" x 4' pony; one 3/4" x 2' pony; one 1-1/4" x 16' polish rod. SWI. RDMO.
DC: \$1,880

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FEB 22 1993

1. Well name and number: Balcron Monument Federal #24-5
 API number: 43-013-31375

**DIVISION OF
OIL, GAS & MINING**

2. Well location: QQ SE SW section 5 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: Holen 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 water encountered during drilling operations.			

6. Formation tops: See Geologic Report 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 2/17/93
and Regulatory Affairs

Comments:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

3. LEASE DESIGNATION AND SERIAL NO.

FLS # U-020252

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

n/a

5. FARM OR LEASE NAME

Balcron Monument Federal

9. WELL NO.

#24-5

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

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

SE SW Sec. 5, T9S, R17E

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

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

RECEIVED

2. NAME OF OPERATOR
BALCRON OIL

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

FEB 22 1993

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 765' FSL, 2243' FML
At top prod. interval reported below
At total depth

DIVISION OF
OIL, GAS & MINING

14. API NO. 43-013-31375 DATE ISSUED 9-29-92 12. COUNTY Duchesne 13. STATE UTAH

15. DATE SPUNDED 11-7-92 16. DATE T.D. REACHED 11-26-92 17. DATE COMPL. (Ready to prod.) 1-28-93 18. ELEVATIONS (DP, EKB, RT, CR, ETC.) 5,223' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5,700' 21. PLUG BACK T.D., MD & TVD 5668' 22. IF MULTIPLE COMPL., HOW MANY n/a 23. INTERVALS DRILLED BY sfc - TD 24. ROTARY TOOLS 25. CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
Green River 4064' - 5496'

25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL-MSFL CDL-DSN-GR mud log 12-1-92

27. WAS 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#	258'	12-1/4"	150 sxs "G" with additives	none
5-1/2"	15.5#	5699'	7-7/8"	233 amitylite and 405 sxs 50-50 PoZ	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SCACEN (MD)	30. TUBING RECORD
n/a					SIZE 2-7/8" DEPTH SET (MD) 4665' PACKER SET (MD) n/a

31. PERFORATION RECORD (Interval, size and number)
Please see attached

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Please see attached.	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
1-28-93	Pumping with 1-1/4" insert DWP	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—EBL.	GAS—MCF.	WATER—EBL.	GAS-OIL RATIO
2-10-93	24	n/a	→	70	25	5	357
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—EBL.	GAS—MCF.	WATER—EBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	70	25	5	34 degrees	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel

TEST WITNESSED BY
Dan

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 2/17/93

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



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

Routing:

1-LEC	7-DEC
2-DPS	8-DEC
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 (406) <u>259-7860</u>		phone (406) <u>259-7860</u>
	account no. <u>N 9890</u>		account no. <u>N9890</u>

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

Name: **ALL WELLS**	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: _____
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).
- See 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)*
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-19-93)*
- See 6. Cardex file has been updated for each well listed above. *(3-19-93)*
- See 7. Well file labels have been updated for each well listed above. *(3-19-93)*
- See 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)*
- See 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

- 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).
- 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.

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belcor Oil, A Division of Equitable Resources Energy Company.
- 2. A copy of this form has been placed in the new and former operators' bond files. *upon completion of routing.
- 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

- 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.
- 2. Copies of documents have been sent to State Lands for changes involving State Leases. see comments below

MICROFILMING

1. All attachments to this form have been microfilmed. Date: March 30 1993.

FILED

- 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

930308 Btm 15%. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belcor Oil Division".



MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• BALCRON OIL

Utah Account No. _____

Report Period (Month/Year) _____

Amended Report

Well Name API Number	Entity	Location	Producing Zone	Days Oper	Production Volume		
					Oil (BBL)	Gas (MSCF)	Water (BBL)
✓ 43-013-31364	11431	9S 17E 6	GRRV		— W/W		
BALCRON MONUMENT FED 42-6							
✓ 43-013-31367	99999	9S 16E 15					
BALCRON MONUMENT FED 41-15							
✓ 43-013-31368	99999	9S 16E 15					
BALCRON MONUMENT FED 32-15							
✓ 43-013-31369	99999	9S 16E 11					
BALCRON MONUMENT FED 23-11							
✓ 43-013-31370	99999	9S 17E 5					
BALCRON MONUMENT FED 13-5							
✓ 43-013-31373	99999	9S 16E 15					
BALCRON MONUMENT FED 23-15							
✓ 43-013-31374	99999	9S 16E 11					
BALCRON MONUMENT FED 14-11							
✓ 43-013-31375	11445	9S 17E 5	GRRV				
BALCRON MONUMENT FED 24-5							
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

RECEIVED

MAR 31 1993

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

DIVISION OF
OIL GAS & MINING

March 29, 1993

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

Gentlemen:

RE: Corrections to be Made on Survey Plats

In a review of our records we have discovered some errors in survey plats for four wells in the Monument Butte Field. One of those wells was drilled in 1992 and is on production, APDs for two have been submitted and are waiting on BLM approval, and one has only had an NOS submitted and an onsite conducted.

All of the errors were typographical in nature. In a discussion with the surveyor we used, we have received permission to make the corrections on the survey plats. We have made the corrections in our files and request that you make the corrections on any survey plats in your files for those locations. A list of locations and corrections is attached. Also attached are copies of the survey plats which our surveyor has FAXed to us. Those show the corrected information.

If you have any questions or need to discuss this, please give me a call.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Attachment

cc: State of Utah, Division of Oil, Gas and Mining
Dave McCoskery
Gary Kabeary
Bob Schalla

MONUMENT BUTTE FIELD

Duchesne County, Utah

PLEASE MAKE THE FOLLOWING CORRECTIONS IN THE SURVEY PLATS
ON FILE FOR THESE LOCATIONS:

Balcron Monument Federal #22-5

SE NW Section 5, T9S, R17E

Duchesne County, Utah

Plat says SW NW and it should be SE NW

Federal Lease #U020252

APD pending BLM approval

Balcron Monument Federal #13-8

NW SW Section 8, T9S, R17E

Duchesne County, Utah

Plat says SW SW and it should be NW SW

Federal Lease #U-007978

NOS and onsite only

Balcron Federal #13-5

NW SW Section 5, T9S, R17E

Duchesne County, Utah

Plat shows R16E and it should be R17E

Federal Lease #U020252

APD pending BLM approval

Balcron Monument Federal #24-5

SE SW Section 5, T9S, R17E

Duchesne County, Utah

Plat shows R16E and it should be R17E

Federal Lease #U020252

Drilled in 1992 and is producing

43-012-31375

Equitable Resources Energy Company

Balcron Oil Division

P.O. Box 21017

Billings, MT 59104

(406) 259-7860

3/29/93

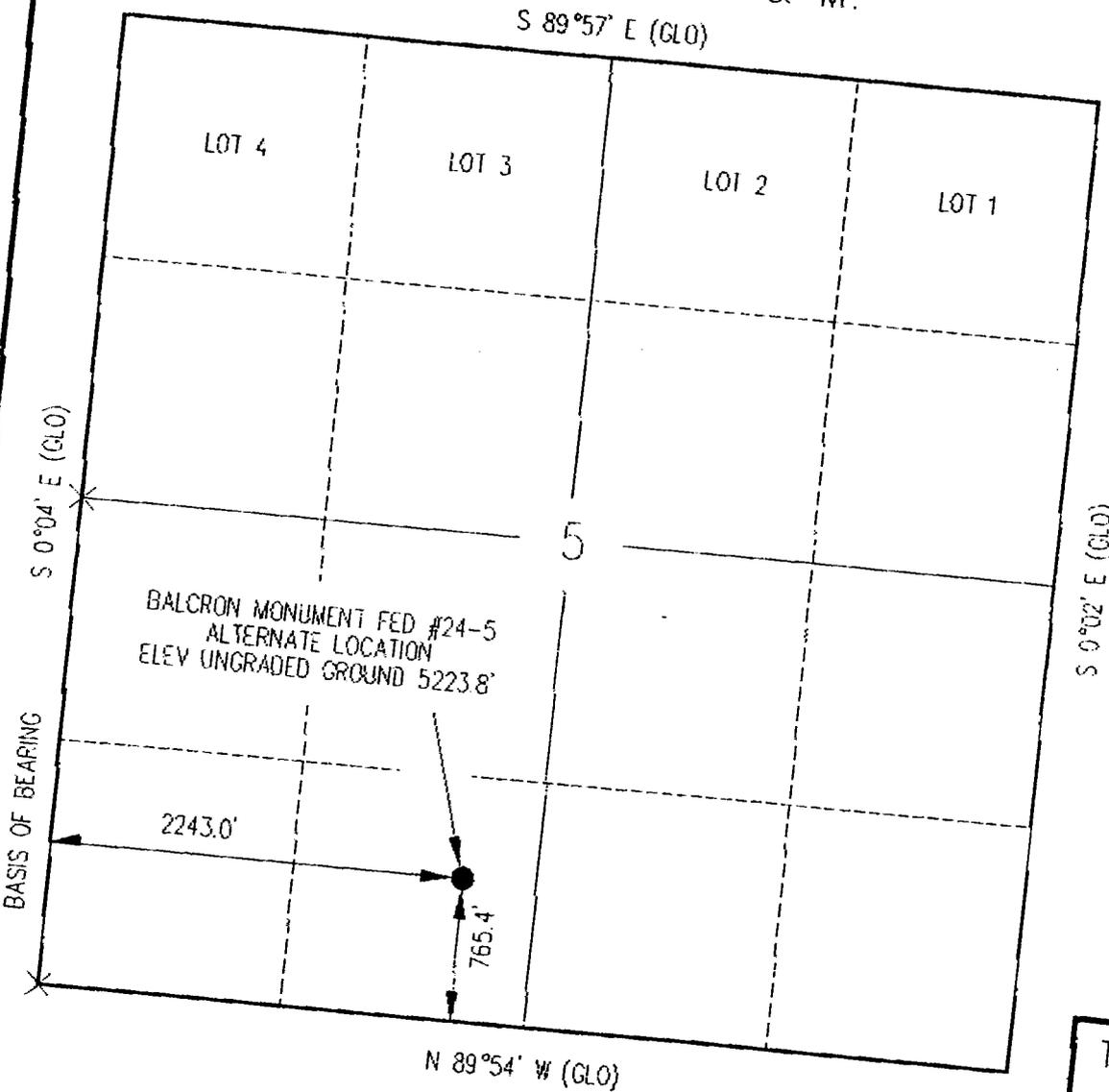
/rs

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

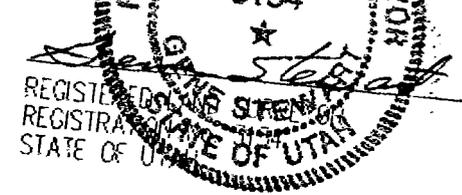
S 89°57' E (GLO)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #24-5,
LOCATED AS SHOWN IN THE SE 1/4 SW 1/4
OF SECTION 5, T9S, R17E, S.L.B. & M,
DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES AND SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. 3154



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)

TRI STATE LAND SURVEYING & CONSULTING 38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 8/4/92	WEATHER: CLEAR & HOT
NOTES: ALTERNATE LOCATION	FAC # #M-24-5-A

RECEIVED

SEP 20 1993

OPERATOR Balcran Oil
 ADDRESS P.O. Box 21017
Billings MT 59104

OPERATOR ACCT. NO. H 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	DIVISION OF OIL, GAS & MINING	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
						QQ	SC	TP	RG	COUNTY		
D	01175	11492	4301330633		CP 42-15	SE NE	15	95	16E	Duchesne		7/1/93
WELL 1 COMMENTS: Jonah Unit												
D	01115	11492	4301315780		Allen Fed 1-A	NW NW	5	95	17E	Duchesne		7/1/93
WELL 2 COMMENTS:												
D	01125	11492	4301330611		AF 12-5	SW NW	5	95	17E	Duchesne		7/1/93
WELL 3 COMMENTS:												
D	01140	11492	4301330612		AF 21-5	NE NW	5	95	17E	Duchesne		7/1/93
WELL 4 COMMENTS:												
D	11445	11492	4301331375		Mon. Butte 24-5		5	95	17E	Duchesne		7/1/93
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)

Dawn Schindler
 Signature
Prod. Acct 9-15-93
 Title Date
 Phone No. (406) 259-7860



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

October 21, 1993

OCT 25 1993

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

DIVISION OF
OIL, GAS & MINING

Gentlemen:

RE: Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah

Enclosed is our sundry notice regarding the disposition of produced water from the referenced well. Through an oversight, this was not filed when the well was put on production.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosure

cc: 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

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. #24-5

9. API Well No.

43-013-31375

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, 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)

SE SW Section 5, T9S, R17E

765' FSL, 2243' 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>NTL2-B</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.)*

The water produced from this well goes into a water tank on location (see the site facility/site security diagram on file). From there it is trucked to an approved disposal facility off-site.

OCT 25 1993

DIVISION OF
OIL GAS & MINERAL

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

Signed

Bobbie Schuman
Bobbie Schuman

Title

Coordinator of Environmental
and Regulatory Affairs

Date

October 21, 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

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

**PERMIT
DECISION DOCUMENT**

Applicant: Balcron Oil **Location:** Jonah Unit

Wells: Federal 31-7, 24-5, 22-5, 13-5

Ownership Issues: The proposed wells are located in sections 7 and 5, township 9 south, range 17 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Balcron Oil has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

Well Integrity: The five wells proposed for conversion to injection all have surface casing set at approximately 300 feet \pm 30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 5800 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4638-5110 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 14 producing wells and 10 injection wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

Ground Water Protection: The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .861 psi/ft resulting in a maximum allowed surface pressure of 2000 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

Oil/Gas & Other Mineral Resources Protection: Balcron is the operator of the Jonah Unit. A unit agreement was previously formed, correlative rights issues were addressed

before the Board of Oil, Gas and Mining when the matter was heard.

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

Actions Taken and Further Approvals Needed: A public notice needs to be published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. A step rate test should be run once the wells have injected and stabilized to verify fracture gradient information.

DJJ
Reviewers

04-14-94
Date



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

March 11, 1994

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 Applications for Injection Well (UIC Form 1) for the following wells:

Balcron Monument Federal #31-7

Balcron Monument Federal #24-5

Balcron Monument Federal #22-5

Balcron Monument Federal #13-5

A copy of the EPA permit was sent to you earlier this week. We will be sending notice of this application to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well. We will forward a copy of that notice along with our Affidavit certifying that they were sent as soon as it has been done.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Attachments

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: Salern (Equitable) Wells 31-7, 24-5, 22-5, 13-5
Location: section 5 & 7 township 9S range 17E

API #: _____ Well Type: disp. enhanced recov. X

If enhanced recovery has project been approved by the Board? Yes

Lease Type: BLM Surface Ownership: BLM

Field: Monument Butte Unit: Jonah Indian Country: N

UIC Form 1: Yes Plat: Yes Wells in AOR: 15 P 13 I
(need more detail than provided)

Logs Available: Yes Bond Log: no log on 24-5

Casing Program: Diagrams - however want prior and after conversion.

Integrity Test: to be done at conversion. 100 PSI not 500

Injection Fluid: H₂O. Johnson Water.

Geologic Information: Yes.

Analyses of Injection Fluid: Yes Formation Fluid: Yes Compat. _____

Fracture Gradient Information: Yes .861 Parting Pressure _____
2000 600 GPa/s

Affidavit of Notice to Owners: Yes.

Fresh Water Aquifers in Area: 300-500 feet.

Depth Base of Moderately Saline Water: 300-500 feet.

Confining Interval: shaly silts, clays.

Reviewer: D. Jones Date: 4/6/94.

Comments & Recommendation Bond logs are questionable called
John Zellitti 4/11/94 and requested more
info. Also requested Bond log on 5-24 well.
4/12/94 spoke to CRAIG BRYN Schlenker (received 4/12/94)
in regards to Bond logs - Wells have bond.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLI *

(See other In-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

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 765' FSL, 2243' FWL

At top prod. interval reported below

At total depth

5. LEASE DESIGNATION AND SERIAL NO.

U-020252

6. IF INDIAN, ALLOTTEE OR TRIBE

n/a

7. UNIT AGREEMENT NAME

n/a

8. FARM OR LEASE NAME

Balcron Monument Fede

9. WELL NO.

#24-5

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green

11. SEC., T., R., N., OR BLOCK AND SURV. OR AREA

SE SW Sec. 5, T9S, R1

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

14. PERMIT NO.

43-013-31375

DATE ISSUED

9/29/92

15. DATE SPUDDED

11/7/92

16. DATE T.D. REACHED

11/26/92

17. DATE COMPL. (Ready to prod.)

1/28/93

18. ELEVATIONS (DF, H&D, RT, GB, ETC.)*

5,223' GL

19. ELEV. CASINO/HEAD

20. TOTAL DEPTH, MD & TVD

5,700'

21. PLUG. BACK T.D., MD & TVD

5668'

22. IF MULTIPLE COMPL., HOW MANY*

n/a

23. INTERVAL DRILLED BY

→

ROTARY TOOLS

lsfc-TD

CABLE TOOLS

n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4064'-5496'

25. WAS DIRECTION SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-MSFL CDL-DSN-GR

27. WAS WELL CORED

no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	258'	12-1/4"	150 sxs "G" with additives	none
5-1/2"	15.5#	5699'	7-7/8"	238 sxs thriflylite and 405 sxs 50-50 Poz	none

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4665'	n/a

31. PERFORATION RECORD (Interval, size and number)

Please see attached.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Please see attached.	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
1/28/93	Pumping with 1-1/4" insert pump.	producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-10-93	24	n/a	→	70	25	5	357
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	70	25	5	34 degrees	

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

Used for fuel.

TEST WITNESSED BY

Dan

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
Bobbie Schuman

Coordinator of Environmental
and Regulatory Affairs

DATE 2/17/93

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

BALCRON OIL

WELL REPORT

WELL NAME: Balcron Monument Federal #24-5
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-020252
 LOCATION: SE SW Sec.5,T9S,R17E
 COUNTY/STATE: Ducshesne County,Utah
 WORKING INTEREST: 0.79942652
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 1-28-93
 INITIAL PRODUCTION: 70 STBOPD, 25 MCFPD, 5 STBWPD
 OIL/GAS PURCHASER: Amoco/Universal Resources
 PRESENT PROD STATUS: 8 STBOPD, 0 MCFPD, .5 STBWPD
 ELEVATIONS - GROUND: 5223'
 TOTAL DEPTH: 5700' KB

DATE: 2-18-94 lac
 API NO.: 43-013-31375
 NET REVENUE INT.: 0.72981781 Oil
 0.65881769 Gas
 SPUD DATE: 11-7-92
 OIL GRAVITY: 34 API
 BHT: 150 Deg.F
 KB: 5236' (13' KB)
 PLUG BACK TD: 5668' KB

SURFACE CASING

 STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24 lbs.
 LENGTH: 6 jts @ 258.20'
 DEPTH LANDED: 271' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sxs 75% G & 25% POZ,
 2% CCl & 1/4#/sx Celoflake.

PRODUCTION CASING

 STRING: 1
 CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5 lbs.
 LENGTH: 127 jts @ 5719.58'
 DEPTH LANDED: 5699' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 238 sxs Thrifty lite &
 405 sxs 50-50 POZ
 CEMENT TOP AT: 2525' KB from CBL

TUBING RECORD

 SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#
 NO. OF JOINTS: 150 jts @ 4619.56'
 TUBING ANCHOR: None
 NO. OF JOINTS: N/A
 SEATING NIPPLE: 2 7/8" x 1.00'
 PERF. SUB: 2 7/8" x 3.00'
 MUD ANCHOR: 2 7/8" x 30.72'
 TOTAL TUBING LENGTH: 4654.28'
 SN LANDED AT: 4633.56' KB

PERFORATION RECORD

 4064'- 4072' (8') 3 Holes Yellow 1
 4107'- 4122' (15') 4 Holes Yellow 2
 4174'- 4184' (10') 4 Holes Yellow 3
 4700'- 4708' (8') 2 SPF Red 2
 4749'- 4760' (11') 2 SPF Red 5
 5044'- 5049' (5') 2 SPF Green 3
 5061'- 5069' (8') 2 SPF Green 3
 5480'- 5496' (16') 2 SPF Blue 1

SUCKER ROD RECORD

 1 - 1 1/4" x 16' Polished Rod
 1 - 3/4" x 2' Pony
 2 - 3/4" x 4' Ponies
 2 - 3/4" x 6' Ponies
 182 - 3/4" x 25' Plain Rods

ACID JOB

 4064'- 4184' Brkdwn w/500 gals 15% HCl
 4700'- 4760' Brkdwn w/500 gals 15% HCl
 5044'- 5069' Brkdwn w/250 gals 15% HCl
 5480'- 5496' Spot 250 gals 15% HCl

FRAC JOB

SEE NEXT PAGE

PUMP SIZE: 2 1/2" x 1 1/4" x 14' RHAC
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

LOGS: Dual Laterolog, Micro-Spherically Focused Log,
 Compensated Density, Gamma Ray, Dual Spaced
 Neutron Log

Balcron Monument Federal #24-5
Monument Butte/Jonah Unit
U-020252
SE SW Sec.5,T9S,R17E
Ducshesne County,Utah

FRAC JOB

4064'- 4184', Frac w/Western on 12-11-92. .
26,796 gals Viking I-35 w/83,000 lbs 16-30
mesh sand. Avg. 1780 psig @ 30 BPM, ISIP @
1950 psig, 5 min @ 1830 psig, 10 min @
1790 psig, 15 min @ 1760 psig.
4700'- 4760', Frac w/Western on 12-11-92.
20,048 gals Viking I-35 w/50,790 lbs
16-30 mesh sand. Avg. 1950 psig @ 25 BPM,
ISIP @ 1960 psig, 5 min @ 1700 psig.
5044'- 5069', Frac w/Western on 12-5-92.
10,962 gals Viking I-35 w/ 23,320 lbs 20-40
sand & 12,240 lbs 16-30 mesh sand. Avg.
2350 psig @ 25 BPM, ISIP @ 2150 psig,
5 min @ 1860 psig, 10 min @ 1640 psig,
15 min @ 1560 psig.
5480'- 5496', Frac w/Western on 12-5-92.
15,160 gals of Viking I-35, w/20,400 lbs
of 11-40 sand & 11,600 lbs of 16-40 mesh
sand. Avg. 2200 psig @ 25 BPM, ISIP @
2100 psig, 5 min @ 1440 psig.

BALCRON MONUMENT FEDERAL #24-5
SE SW SEC.5,T9S,R17E
Lease No. U-020252
MONUMENT BUTTE FIELD/JONAH UNIT
DUCHESNE COUNTY, UTAH

Balcron Oil
2-18-94 lac

Wellbore Diagram

SURFACE CASING

8 5/8", J-55, 24#
Six joints @ 258.20'
Landed @ 271' KB
Cemented w/150 sxs 75% "G" & 25% POZ,
2% CCI & 1/4#x Celoflake
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5#
127 joints @ 5719.58'
Landed @ 5699' KB
Cemented w/238 sxs Thrifty lite &
405 sxs 50-50 POZ
Cement Top @ 2525' KB from CBL
Hole Size @ 7 7/8"

TUBING

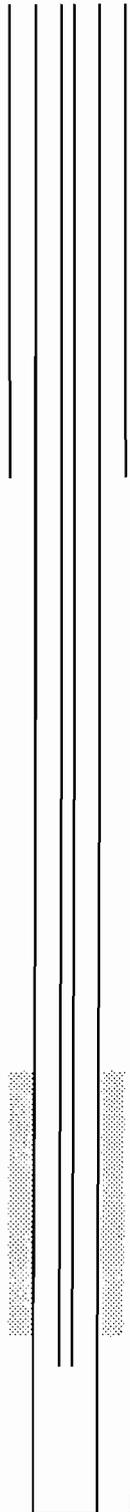
2 7/8", J-55, 6.5#
150 jts @ 4619.56'
SN @ 2 7/8" x 1.00'
Perf Sub @ 2 7/8" x 3.00'
Mud Anchor @ 2 7/8" x 30.72'
Total Tbg Length @ 4654.28'
SN Landed @ 4633.56' KB

SUCKER RODS

1 - 1 1/4" x 16' Polished Rod
1 - 3/4" x 2' Pony
2 - 3/4" x 4' Ponies
2 - 3/4" x 6' Ponies
182 - 3/4" x 25' Plain Rods

PUMP SIZE: 2 1/2" x 1 1/4" x 14' RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:

LOGS: Dual Laterolog, Micro-Spherically Focused,
Compensated Density, Gamma Ray, Dual Spaced
Neutron Log



ACID JOB

4064'- 4184' Brkdwn w/500 gals 15% HCl
4700'- 4760' Brkdwn w/500 gals 15% HCl
5044'- 5069' Brkdwn w/250 gals 15% HCl
5480'- 5496' Spot 250 gals 15% HCl

FRAC JOB

4064'- 4184', Frac w/Western on 12-11-92.
26,796 gals Viking I-35 w/83,000 lbs 16-30
mesh sand. Avg. 1780 psig @ 30 BPM, ISIP @
1950 psig, 5 min @ 1830 psig, 10 min @
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2350 psig @ 25 BPM, ISIP @ 2150 psig,
5 min @ 1860 psig, 10 min @ 1640 psig,
15 min @ 1560 psig.
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4064'- 4072' (8') 3 Holes Yellow 1
4107'- 4122' (15') 4 Holes Yellow 2
4174'- 4184' (10') 4 Holes Yellow 3
4700'- 4708' (8') 2 SPF Red 2
4749'- 4760' (11') 2 SPF Red 5
5044'- 5049' (5') 2 SPF Green 3
5061'- 5069' (8') 2 SPF Green 3
5480'- 5496' (16') 2 SPF Blue 1

PBTD @ 5668' KB
TD @ 5700' KB

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

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF EQUITABLE RESOURCES ENERGY	:	
COMPANY FOR ADMINISTRATIVE	:	CAUSE NO. UIC-149
APPROVAL TO CONVERT THE FEDERAL	:	
24-5, FEDERAL 22-5, FEDERAL 13-5,	:	
AND FEDERAL 31-7 WELLS LOCATED IN	:	
SECTIONS 5 & 7, TOWNSHIP 9 SOUTH,	:	
RANGE 17 EAST, S.L.M., DUCHESNE	:	
COUNTY, UTAH, TO CLASS II INJECTION	:	
WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

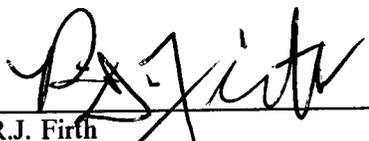
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the Federal 24-5, Federal 22-5, Federal 13-5, and Federal 31-7 Wells, located in Sections 5 & 7, Township 9 South, Range 17 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4638 - 5110 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2145 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 15th day of April, 1994.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



R.J. Firth
Associate Director, Oil and Gas

**Equitable Resources Energy Company
Federal 24-5, Federal 22-5, Federal 13-5, and Federal 31-7 Wells
Cause No. UIC-149**

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

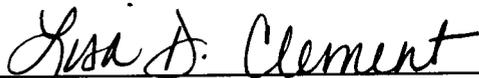
Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

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

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

Tom Pike
U.S. Environmental Protection Agency
Region VIII
999 18th Street
Denver, Colorado 80202-2466

Ed Bonner
State Lands and Forestry
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204



Lisa D. Clement
Administrative Secretary
April 25, 1994



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

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

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

April 25, 1994

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-149

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

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

April 25, 1994

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-149

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

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168

AFFIDAVIT OF PUBLICATION

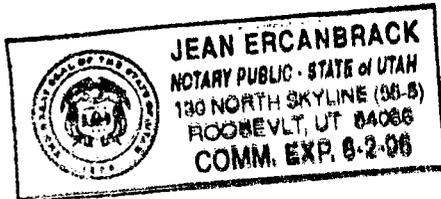
6/1/94

County of Duchesne,
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 consecutive issues, and that the first publication was on the 3 day of May, 1994, and that the last publication of such notice was in the issue of such newspaper dated the 3 day of May, 1994.

Subscribed and sworn to before me this 5 day of May, 1994
Jean Ercanbrack

Notary Public



NOTICE OF AGENCY ACTION

CAUSE NO. UIC-149
IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT THE FEDERAL 24-5, FEDERAL 22-5, FEDERAL 13-5, AND FEDERAL 31-7 WELLS LOCATED IN SECTIONS 5 & 7, TOWNSHIP 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, TO CLASS II INJECTION WELLS
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the Federal 24-5, Federal 22-5, Federal 13-5, and Federal 31-7 Wells, located in Sections 5 & 7, Township 9 South, Range 17 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4638-5110 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2145 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. Is such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interest.

DATED this 15th day of April, 1994.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING R.J. Firth Associate Director, Oil and Gas
Published in the Uintah Basin Standard May 3, 1994

COPY



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

May 24, 1994

Equitable Resources Energy Company
Balcron Oil Division
1601 Lewis Avenue
Billings, Montana 59104

Re: Federal 24-5, Federal 22-5, Federal 13-5, and Federal 31-7 Wells Located in Sections 5 and 7, Township 9 South, Range 17 East, Duchesne County, Utah

Gentlemen:

In accordance with Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells.

The following stipulations shall apply for compliance with this approval:

1. Full compliance with all applicable requirements regarding operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all conditions and requirements of the enclosed Underground Injection Control Permit and the application submitted by Equitable Resources Energy Company.

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

Sincerely,

R.J. Firth
Associate Director

cc: Dan Jackson, EPA
Bureau of Land Management, Vernal



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

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

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

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-149

Operator: Equitable Resources Company
Wells: Federal 24-5, Federal 22-5, Federal 13-5 and
Federal 31-7
Location: Sections 5 and 7, Township 9 S, Range 17 E,
Duchesne County
API No.: 43-013-31375, 43-013-31384
43-013-31370, 43-013-31405
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Wells issued on
May 24, 1994.
2. Maximum Allowable Injection Pressure: 2145 psig
3. Maximum Allowable Injection Rate: 600 barrels per day

Approved by:

R.J. Firth
Associate Director, Oil and Gas

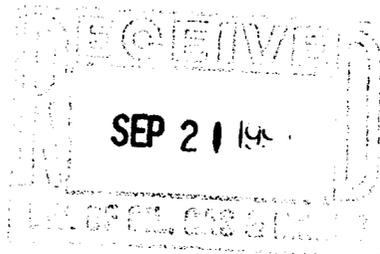
Date



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

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



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

September 19, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are Notices of Intent to convert the four wells on the enclosed list to water injection.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Dan Jarvis, Utah Division of Oil, Gas and Mining

Balcron Monument Federal #13-5
NW SW Section 5, T9S, R17E
Duchesne County, Utah
1980' FNL, 660' FWL
Federal Lease #U-020252
API #43-013-31370
Jonah Unit
Monument Butte Field/Green River Formation

Balcron Monument Federal #22-5
SE NW Section 5, T9S, R17E
Duchesne County, Utah
1853' FNL, 1980' FWL
Federal Lease #U-020252
API #43-013-31384
Jonah Unit
Monument Butte Field/Green River Formation

Balcron Monument Federal #24-5
SE SW Section 5, T9S, R17E
Duchesne County, Utah
765' FSL, 2243' FWL
Federal Lease #U-020252
API #43-013-31375
Jonah Unit
Monument Butte Field/Green River Formation

Balcron Monument Federal #31-7J
NW NE Section 7, T9S, R17E
Duchesne County, Utah
831' FNL, 1782' FEL
Federal Lease #U-44426
API #43-013-31405
Jonah Unit
Monument Butte Field/Green River Formation

3160-5
1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 21 1994

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
See attached listing

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

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
Jonah Unit

8. Well Name and No.
See attached listing

9. API Well No.
See attached listing

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

11. County or Parish, State
Duchesne County, UTAH

Type of Well
 Oil Well Gas Well Other

Name of Operator
Equitable Resources Energy Company, Balcron Oil Division

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

Location of Well (Footage, Sec., T., R., M., or Survey Description)
See attached listing

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 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.)

3. 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 convert the wells on the attached listing to water injection in accordance with the attached injection well completion diagrams. Water will be injected at a rate of 5-6 STBWPDP per foot of pay (average 180-200 STBWPDP). The proposed conversion will commence as soon as approval is received from the BLM and the State of Utah. Injection will commence as soon as approval of the UIC permit is received.

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

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

Title Regulatory and Environmental Specialist

Date 9-17-94

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

BALCRON MONUMENT FEDERAL #24-5
 SE SW SEC.5, T9S, R17E
 Lease No. U-020252
 MONUMENT BUTTE FIELD/JONAH UNIT
 DUCHESNE COUNTY, UTAH

BALCRON OI
 8-1-94

Proposed Injection well Completion Diagram

Elev.GR @ 5223'
 Elev.KB @ 5236' (13' KB)

SURFACE CASING

8 5/8", J-55, 24#
 Six joints @ 258.20'
 Landed @ 271' KB
 Cemented w/150 sxs 75% "G" & 25% POZ,
 2% CCI & 1/4#x Celoflake
 Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5#
 127 joints @ 5719.58'
 Landed @ 5699' KB
 Cemented w/238 sxs Thrifty lite &
 405 sxs 50-50 POZ
 Cement Top @ 2525' KB from CBL
 Hole Size @ 7 7/8"

TUBING

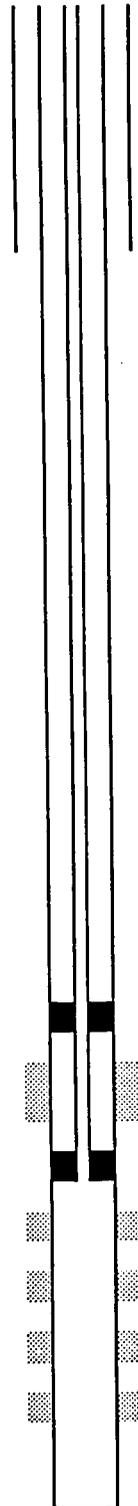
2 7/8", J-55, 6.5#
 SN @ 2 7/8" x 1.10'
 SN Landed @ 4000' KB

Retrievable Csg Tension Packer
 Arrow S-1 Tandem Tension Landed @ 4004' KB
 Arrow Set-1 Landed @ 4640' KB

Proposed Injection Horizons

4700'- 4708' (8') 2 SPF RED2
 4749'- 4760' (11') 2 SPF RED5
 5044'- 5049' (5') 2 SPF GREEN3
 5061'- 5069' (8') 2 SPF GREEN3
 5480'- 5496' (16') 2 SPF BLUE1

Note: The Yellow zone perforations
 from 4064'- 4184' KB will
 not be used for injection at
 this time and will be isolated
 with an additional packer.



-- 271' KB

- Uinta Formation Surface to 1400'

-- Cement Top @ 2525' KB

- Green River Formation 1400' to 4100'

-- Retrievable Csg Tension Packer @ 4004' KB
 and @ 4640' KB.

PERFORATION RECORD

4064'- 4072' (8') 3 Holes YELLOW1
 4107'- 4122' (15') 4 Holes YELLOW2
 4174'- 4184' (10') 4 Holes YELLOW3
 4700'- 4708' (8') 2 SPF RED2
 4749'- 4760' (11') 2 SPF RED5
 5044'- 5049' (5') 2 SPF GREEN3
 5061'- 5069' (8') 2 SPF GREEN3
 5480'- 5496' (16') 2 SPF BLUE1

- Douglas Creek Member 4100 - 5350 ft.
 - Wasatch Fm. Transition 5350 - 6000 ft.
 PBD @ 5668' KB
 TD @ 5700' KB

- Wasatch Formation 6000 ft.



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

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

OCT 18

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

October 17, 1994

-- VIA FEDERAL EXPRESS --

Mr. Gus Stolz
Environmental Protection Agency
UIC Program (Mail Code 8WM-DW)
999 - 18th Street
Suite 500
Denver, CO 80202-2405

Dear Mr. Stolz:

Enclosed are Well Rework Records and copies of the Mechanical Integrity Tests which were run on the following wells:

Balcron Monument Federal #13-5J

Balcron Monument Federal #22-5J

Balcron Monument Federal #31-7J

Balcron Monument Federal #24-5J

Also enclosed are the original charts for these wells. This should complete the necessary paperwork and we are requesting verbal approval to commence injection as soon as possible.

If you have any questions, please give either me or John Zellitti a call at (406) 259-7860.

Sincerely,

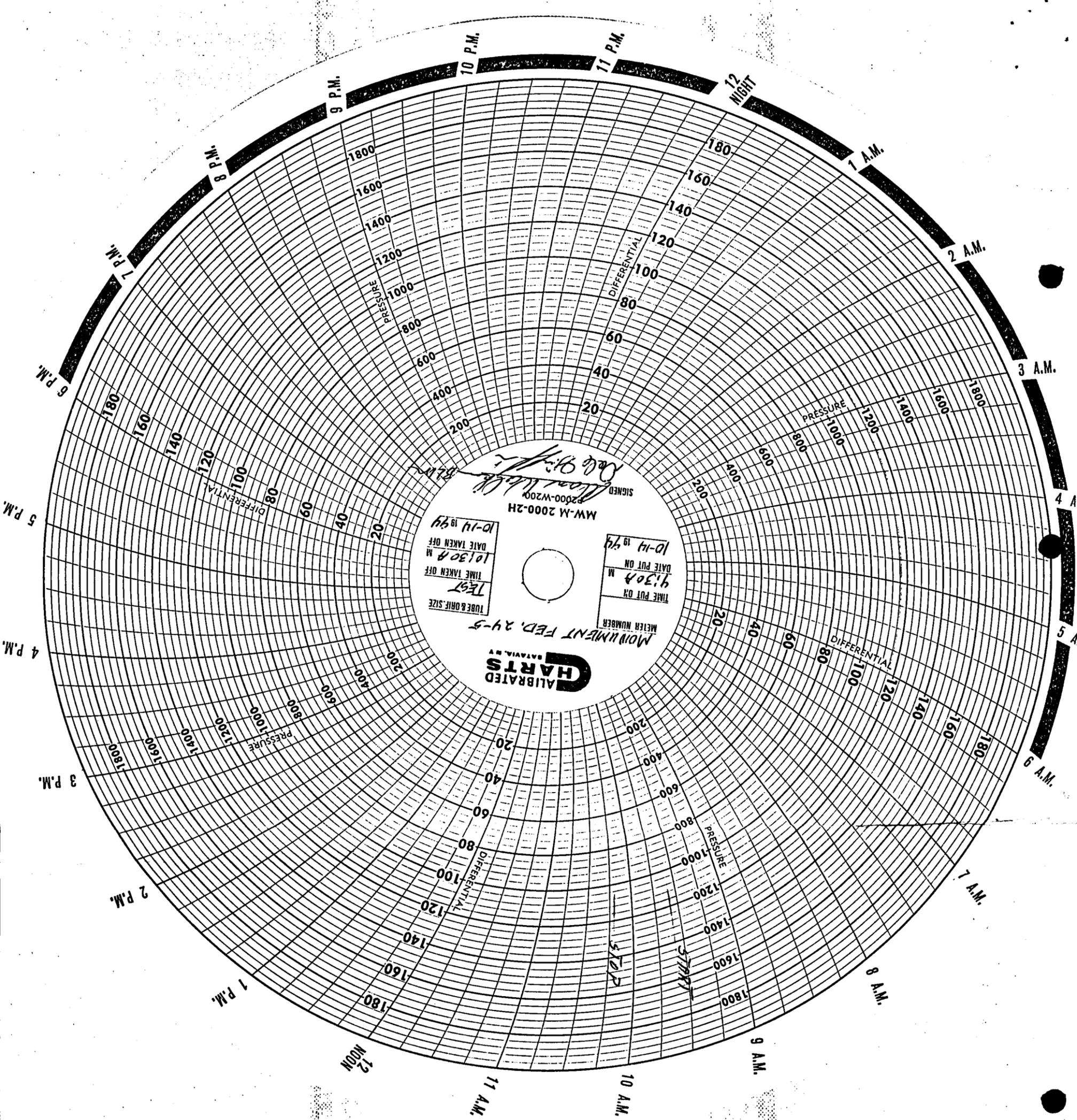
Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

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





United States Department of the Interior

TAKE PRIDE IN AMERICA
IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078

Phone (801) 789-1362

FAX (801) 789-3634

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. 220252
Jan Unit 22086A
 Company Name: Ralcor Date: 10-14-94
 Well Name: Minimant Buttes 24-5J Permit No. UT 2642-04210
 Field Name: Minimant Buttes County: Duchesne
 Well Location: 251 511 Sec 5 T 9S R 17E
 Well Type: SWD ER V 2H Other: Injector
 Type of Packer: Packer Set 1 Arrow Huded Total Depth: 5700
 Packer Set at (depth): 4004 4640 FT
 Surface Casing Size: 8 5/8 From: Surface FT to 271 FT
 Casing Size: 5 1/2 From: 11 FT to 5609 FT
 Tubing Size: 2 7/8 Tubing Pressure during Test: 350 psig
 Time of Day: 9:21 am/pm
 Fluid in Annulus: 55 Gal. Cartron R-2382 Fluid / 75 BBL. 2% KCl Water

	Test #1	Test #2
0 Min:	<u>1160</u> psig	_____ psig
5	<u>1160</u> psig	_____ psig
10	<u>1160</u> psig	_____ psig
15	<u>1160</u> psig	_____ psig
20	<u>1160</u> psig	_____ psig
25	<u>1160</u> psig	_____ psig
30	<u>1160</u> psig	_____ psig
35	<u>1160</u> psig	_____ psig
40	<u>1160</u> psig	_____ psig
45	<u>1160</u> psig	_____ psig
50	<u>1160</u> psig	_____ psig
55	<u>1160</u> psig	_____ psig
60	<u>1160</u> psig	_____ psig

Test Conducted by: Dale Griffin OCT 18 1994
 Inspected by: Alan Walker
 Others Present: _____

BALCRON OIL**WELL REPORT**

WELL NAME: Balcron Monument Federal #24-5
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-020252
 LOCATION: SE SW Sec.5, T9S, R17E
 COUNTY/STATE: Ducshesne County, Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 1-28-93
 INITIAL PRODUCTION: 70 STBOPD, 25 MCFPD, 5 STBWPD
 OIL/GAS PURCHASER: Amoco/Universal Resources
 PRESENT PROD STATUS: 8 STBOPD, 20 MSCFGPD, 0.5 STBWPD
 ELEVATIONS - GROUND: 5223'
 TOTAL DEPTH: 5700' KB

DATE: 6-26-94
 API NO.: 43-013-31375
 NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 11-7-92
 OIL GRAVITY: 34 API
 BHT: 150 Deg.F
 KB: 5236' (13' KB)
 PLUG BACK TD: 5668' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24 lbs.
 LENGTH: 6 jts @ 258.20'
 DEPTH LANDED: 271' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sxs 75% G & 25% POZ,
 2% CCI & 1/4#/sx Celoflake.

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5 lbs.
 LENGTH: 127 jts @ 5719.58'
 DEPTH LANDED: 5699' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 238 sxs Thrifty lite &
 405 sxs 50-50 POZ
 CEMENT TOP AT: 2525' KB from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#
 NO. OF JOINTS: 150 jts @ 4619.56'
 TUBING ANCHOR: None
 NO. OF JOINTS: N/A
 SEATING NIPPLE: 2 7/8" x 1.00' (2.25" ID)
 PERF. SUB: 2 7/8" x 3.00'
 MUD ANCHOR: 2 7/8" x 30.72'
 TOTAL TUBING LENGTH: 4654.28'
 SN LANDED AT: 4633.56' KB

SUCKER ROD RECORD

1 - 1 1/4" x 16' Polished Rod
 1 - 3/4" x 2' Pony
 2 - 3/4" x 4' Ponies
 2 - 3/4" x 6' Ponies
 182 - 3/4" x 25' Plain Rods

PUMP SIZE: 2 1/2" x 1 1/4" x 14' RHAC
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

LOGS: Dual Laterolog, Micro-Spherically Focused Log,
 Compensated Density, Gamma Ray, Dual Spaced
 Neutron Log

PERFORATION RECORD

4064'- 4072' (8') 3 Holes YELLOW1
 4107'- 4122' (15') 4 Holes YELLOW2
 4174'- 4184' (10') 4 Holes YELLOW3
 4700'- 4708' (8') 2 SPF RED2
 4749'- 4760' (11') 2 SPF RED5
 5044'- 5049' (5') 2 SPF GREEN3
 5061'- 5069' (8') 2 SPF GREEN3
 5480'- 5496' (16') 2 SPF BLUE1

ACID JOB

4064'- 4184' Brkdw n w/500 gals 15% HCl
 4700'- 4760' Brkdw n w/500 gals 15% HCl
 5044'- 5069' Brkdw n w/250 gals 15% HCl
 5480'- 5496' Spot 250 gals 15% HCl

FRAC JOB

SEE NEXT PAGE

Balcron Monument Federal #24-5
Monument Butte/Jonah Unit
Lease No. U-020252
SE SW Sec.5, T9S, R17E
Ducshesne County, Utah

FRAC JOB

4064'- 4184', Frac w/Western on 12-11-92.
26,796 gals Viking I-35 w/83,000 lbs 16-30
mesh sand. Avg. 1780 psig @ 30 BPM, ISIP @
1950 psig, 5 min @ 1830 psig, 10 min @
1790 psig, 15 min @ 1760 psig.

4700'- 4760', Frac w/Western on 12-11-92.
20,048 gals Viking I-35 w/50,790 lbs
16-30 mesh sand. Avg. 1950 psig @ 25 BPM,
ISIP @ 1960 psig, 5 min @ 1700 psig.

5044'- 5069', Frac w/Western on 12-5-92.
10,962 gals Viking I-35 w/ 23,320 lbs 20-40
sand & 12,240 lbs 16-30 mesh sand. Avg.
2350 psig @ 25 BPM, ISIP @ 2150 psig,
5 min @ 1860 psig, 10 min @ 1640 psig,
15 min @ 1560 psig.

5480'- 5496', Frac w/Western on 12-5-92.
15,160 gals of Viking I-35, w/20,400 lbs
of 11-40 sand & 11,600 lbs of 16-40 mesh
sand. Avg. 2200 psig @ 25 BPM, ISIP @
2100 psig, 5 min @ 1440 psig.

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

6. If Indian, Allottee or Tribe Name

n/a

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

Jonah Unit

1. Type of Well

Oil Well Gas Well Other WIW

8. Well Name and No.

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

Balcron Monument Federal #24-5

3. Address and Telephone No.

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

9. API Well No.

43-013-31375

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

SE-SW Section 5, T9S, R17E
765' FSL, 2243' FWL

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

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

- 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.)*

This well has been converted to water injection in accordance with permit approval. Refer to the attached workover procedure, well report, and injection well completion diagram for details of the conversion.

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

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date January 13, 1995

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Balcron Monument Federal #24-5
Monument Butte Field
SE SW Sec.5,T9S,R17E
Ducshesne County,Utah

Well History Report,

Date Work Description

Conversion of well to water injection.

- 10-2-94 - MIRU Basin Well Service, TOO H w/rods,pump, & tbg.
- RIH w/bit & scrapper to TD.
- 10-3-94 - RIH w/ 2 7/8" injection tbg, Arrow Set-1 packer, & Arrow Hydro Set-1 packer.
- Pump 55 gals Champion Cortron #23-83 corrosion inhibitor mixed w/ 60 STBW down csg.
- Set packers @ 3997' & 4903' KB, NU wellhead, pressure test csg annulus to 1000 psig, no loss, RDMO.
- 10-14-94 Perform MIT, pressure csg annulus to 1160 psig for one hour, no loss, tbg @ 350 psig, BLM witness Alan Walker, Company witness Dale Griffin, other witness Ken Adler w/ Adler Hot Oil Service.
- 10-20-94 RU Alnigther Hot Oil Service, mix 5 gals Wsetern Claymaster & 10 gals 940 surfactant w/ 130 STB 2% KCl water, pump down tbg @ 180 deg.F., 1.5 STBPM @ 1150 psig, csg @ zero psig, start water injection @ 175 STBPD.

BALCRON MONUMENT FEDERAL #24-5
 SE SW SEC.5, T9S, R17E
 765' FSL & 2243' FWL
 Lease No. U-020252
 MONUMENT BUTTE FIELD/JONAH UNIT
 DUCHESNE COUNTY, UTAH

BALCRON OIL
 8-1-94

Injection well Completion Diagram

Elev.GR @ 5223'
 Elev.KB @ 5236' (13' KB)

SURFACE CASING

8 5/8", J-55, 24#
 Six joints @ 258.20'
 Landed @ 271' KB
 Cemented w/150 sxs 75% "G" & 25% POZ,
 2% CCI & 1/4#x Celoflake
 Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5#
 127 joints @ 5719.58'
 Landed @ 5699' KB
 Cemented w/238 sxs Thrifty lite &
 405 sxs 50-50 POZ
 Cement Top @ 2525' KB from CBL
 Hole Size @ 7 7/8"

TUBING/INJECTION STRING

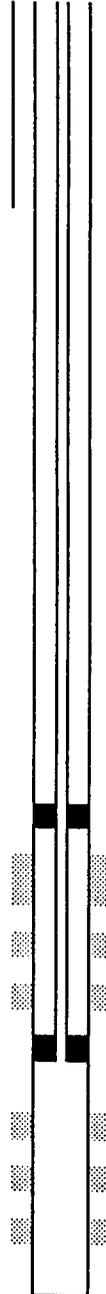
127 jnts 2 7/8" tbg @ 3975.99'
 SN @ 2 7/8" X 1.1' (2.25" ID)
 2 7/8"x 2 3/8" Cross Over @ 0.60'
 5.5" Arrow Set-1 Pkr @ 6.20'
 29 jnts 2 3/8" tbg @ 898.70'
 5.5" Arrow Hydro Set-1 Pkr @ 7.60'
 SN @ 2 3/8" X 1.1' (1 25/32" ID)
 Total String Length @ 4891.29'
 2 7/8" SN Landed @ 3990.09' KB
 2 3/8" SN Landed @ 4904.29' KB
 Packers Landed @ 3996.89 & 4903.19' KB

2 7/8" SN (ID @ 2.25")
 2 3/8" SN (1 25/32" ID)
 Arrow Set-1 Pkr set w/ 18" Tension.
 Packer fluid - 55 gals Champion Cortron #23-83
 w/ 60 STBW.

Injection Horizons

5044'- 5049' (5) 2 SPF GREEN3
 5061'- 5069' (8) 2 SPF GREEN3
 5480'- 5496' (16) 2 SPF BLUE1

Tracer Survey ran 12-13-94.



EPA PERMIT NO.: UT2642-04210
 UTAH CAUSE NO.: UIC-149

<- 271' KB

- Uinta Formation Surface to 1400'

<- Cement Top @ 2525' KB

- Green River Formation 1400' to 4100'

<- Arrow Set-1 Packer @ 3997' KB
 Arrow Hydro Set-1 Packer @ 4904' KB

PERFORATION RECORD

4064'- 4072' (8) 3 Holes YELLOW1
 4107'- 4122' (15) 4 Holes YELLOW2
 4174'- 4184' (10) 4 Holes YELLOW3
 4700'- 4708' (8) 2 SPF RED2
 4749'- 4760' (11) 2 SPF RED5
 5044'- 5049' (5) 2 SPF GREEN3
 5061'- 5069' (8) 2 SPF GREEN3
 5480'- 5496' (16) 2 SPF BLUE1

8%
 6%
 86%

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

PBTD @ 5668' KB
 TD @ 5700' KB

- Wasatch Formation 6000 ft.

BALCRON OIL

WELL NAME: Balcron Monument Federal #24-5
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-020252
 LOCATION: SE SW Sec.5, T9S, R17E
 765' FSL & 2243' FWL
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.805079500
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 1-28-93
 INITIAL PRODUCTION: 70 STBOPD, 25 MCFPD, 5 STBWPD
 OIL/GAS PURCHASER: Amoco/Universal Resources
 LAST PRODUCTION: 8 STBOPD, 20 MCFOPD, 0.6 STBWPD
 PRESENT PRODUCTION STATUS: Water Injection Well
 Started Water Injection 10-24-04
 CONVERSION TO INJ.: 10-3-04
 INJECTION RATE: 175 STBWPD
 ELEVATIONS - GROUND: 6223'
 TOTAL DEPTH: 5700' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24 lbs.
 LENGTH: 6 jts @ 258.20'
 DEPTH LANDED: 271' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sxs 75% G & 25% POZ,
 2% CCI & 1/4#/sx Celoflake.

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/13' KB)
KB	13.00	
1) 127 jnts 2 7/8" tbg	3975.99	3988.99
2) 2 7/8" SN (2.25" ID)	1.10	3990.09
3) Cros Over	0.60	3990.69
4) 5.5" Arrow Set-1 Pkr	6.20	3996.89
5) 29 jnts 2 3/8" tbg	898.70	4895.59
6) 5.5" Hydro Set-1 Pkr	7.60	4903.19
7) 2 3/8" SN (1 25/32" ID)	1.10	4904.29
End Of Tubing		4904.29

Injection Packers Set 10-3-94 By Mtn States.

2 7/8" SN (ID @ 2.25") & 2 3/8" SN (ID @ 1 25/32")
 Arrow Set-1 Pkr set w/ 15" Tension.
 Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

LOGS: Dual Laterolog, Micro-Spherically Focused Log,
 Compensated Density, Gamma Ray, Dual Spaced
 Neutron Log

WELL REPORT

DATE: 6-26-94

API NO.: 43-013-31375
 EPA PERMIT NO.: U12642-04210
 UTAH CAUSE NO.: UIC-149

NET REVENUE INT.: 0.73031617 Oil
 0.66350285 Gas
 SPUD DATE: 11-7-92
 OIL GRAVITY: 34 API
 BEP: 160 Day 1

LAST MIT DATE: 10-14-04
 1160 psig for 1 hr, no loss.

KB: 6230' (13' KB)
 PLUG BACK TD: 5000' KB

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5 lbs.
 LENGTH: 127 jts @ 5719.58'
 DEPTH LANDED: 5699' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 238 sxs Thrifty lite &
 405 sxs 50-50 POZ
 CEMENT TOP AT: 2525' KB from CBL

PERFORATION RECORD

4064'- 4072' (8') 3 Holes YELLOW1
 4107'- 4122' (15') 4 Holes YELLOW2
 4174'- 4184' (10') 4 Holes YELLOW3
 4700'- 4708' (8') 2 SPF RED2
 4749'- 4760' (11') 2 SPF RED5
 5044'- 5049' (5') 2 SPF GREEN3
 5061'- 5069' (8') 2 SPF GREEN3
 5480'- 5496' (16') 2 SPF BLUE1

Injection Horizons

5044'- 5049' (5') GREEN3
 5061'- 5069' (8') GREEN3
 5480'- 5496' (16') BLUE1

ACID JOB

4064'- 4184' Brkdwn w/500 gals 15% HCl
 4700'- 4760' Brkdwn w/500 gals 15% HCl
 5044'- 5069' Brkdwn w/250 gals 15% HCl
 5480'- 5496' Spot 250 gals 15% HCl

FRAC JOB

SEE NEXT PAGE

Balcron Monument Federal #24-5
Monument Butte/Jonah Unit
Lease No. U-020252
SE SW Sec.5, T9S, R17E
Duchesne County, Utah

FRAC JOB

4064'- 4184', Frac w/Western on 12-11-92.
26,796 gals Viking I-35 w/83,000 lbs 16-30
mesh sand. Avg. 1780 psig @ 30 BPM, ISIP @
1950 psig, 5 min @ 1830 psig, 10 min @
1790 psig, 15 min @ 1700 psig.

4700'- 4760', Frac w/Western on 12-11-92.
20,048 gals Viking I-35 w/50,790 lbs
16-30 mesh sand. Avg. 1950 psig @ 25 BPM,
ISIP @ 1960 psig, 5 min @ 1700 psig.

5044'- 5069', Frac w/Western on 12-5-92.
10,962 gals Viking I-35 w/ 23,320 lbs 20-40
sand & 12,240 lbs 16-30 mesh sand. Avg.
2350 psig @ 25 BPM, ISIP @ 2150 psig,
5 min @ 1860 psig, 10 min @ 1640 psig,
15 min @ 1560 psig.

5480'- 5496', Frac w/Western on 12-5-92.
15,160 gals of Viking I-35, w/20,400 lbs
of 11-40 sand & 11,600 lbs of 16-40 mesh
sand. Avg. 2200 psig @ 25 BPM, ISIP @
2100 psig, 5 min @ 1440 psig.

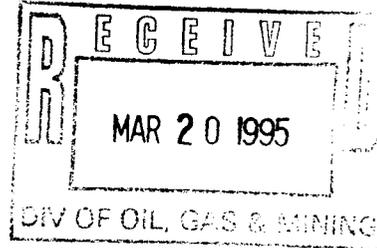


EQUITABLE RESOURCES
ENERGY COMPANY

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

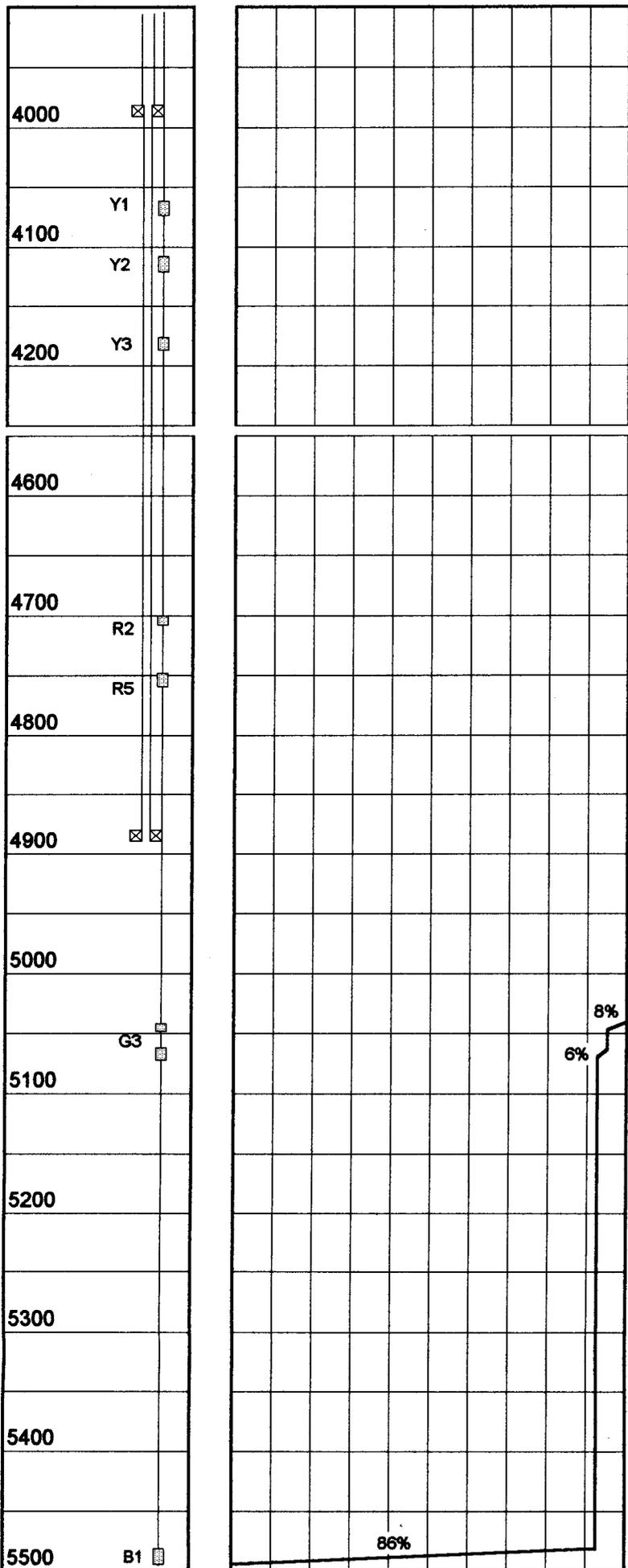
EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION

INJECTION PROFILE

**BALCRON MONUMENT
FEDERAL 24-5**

Date: 12/13/94	Desired Rate: 175 B/D
Surface Temp: 49 F	Metered Rate: 175 B/D
BHT: 152 F	Measured Rate: 175 B/D
PBTD: 5668	Tbg Pressure: 1500 PSI
TD: 5581	Csg Pressure: 0 PSI

0 10 20 30 40 50 60 70 80 90 100



95-17E-5

03-013-31375

Remarks: R/A Tracer survey indicates exits as shown. Packer checks okay.
Service Company: Well Information Services, Inc.
Operator: Bart Williams

RECEIVED

APR 4 1996

UIC DIVISION



**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

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**

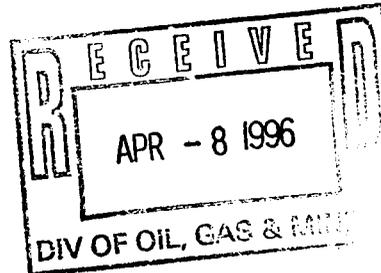
BALCRON OIL DIVISION

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.

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

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

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

4. Location of Well
Footages: See attached listing

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

5. Lease Designation and Serial Number:
See attached listing

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

7. Unit Agreement Name:
See attached listing

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

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

County: See attached list

State: UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- 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

Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #14-15	Monument Butte	SW SW	15	9S	16E	Duchesne	UT	PND	Green River	U-017985	43-013-31381	772' FSL, 543' FWL	Vernal	
Balcron Monument Fed. #14-26	Monument Butte	SW SW	26	8S	16E	Duchesne	UT	PND	Green River	U-34346	43-013-31512	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #14-3-9-17Y	Monument Butte	SW SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31535	671' FSL, 792' FWL	Vernal	
Balcron Monument Fed. #14-4	Monument Butte	SW SW	4	9S	16E	Duchesne	UT	PND	Green River	U-73086	43-013-31430	719' FSL, 607' FWL	Vernal	
Balcron Monument Fed. #14-5	Monument Butte	SW SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020250	43-013-31385	556' FSL, 517' FWL	Vernal	Jonah
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-10-9-17Y	Monument Butte	NE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31537	807' FNL, 2120' FWL	Vernal	
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31421	518' FNL, 1850' FWL	Vernal	Jonah
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #21-25	Undesignated	NE NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32528	748' FNL, 1964' FWL	Vernal	
Balcron Monument Fed. #22-12J	Monument Butte	SE NW	12	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15796	2018' FNL, 2099' FWL	Vernal	Jonah
Balcron Monument Fed. #22-14J	Monument Butte	SE NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31489	2134' FNL, 2198' FWL	Vernal	Jonah
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #22-20-9-18Y	Monument Butte	SE NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32711	1980' FNL, 1980' FWL	Vernal	
Balcron Monument Fed. #22-22-8-17Y	Monument Butte	SE NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-67845	43-013-31538	1945' FNL, 2030' FWL	Vernal	
Balcron Monument Fed. #22-5	Monument Butte	SE NW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31384	1853' FNL, 1980' FWL	Vernal	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Vernal	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Vernal	Jonah
Balcron Monument Fed. #23-24-8-17		NE SW	24	8S	17E	Uintah	UT	PND	Green River				Vernal	
Balcron Monument Fed. #23-25	Undesignated	NE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32529	1927' FSL, 2139' FWL	Vernal	
Balcron Monument Fed. #23-5	Monument Butte	NE SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-31383	1816' FSL, 2057' FWL	Vernal	Jonah
Balcron Monument Fed. #24-12J	Monument Butte	SE SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-31409	539' FSL, 1777' FWL	Vernal	Jonah
Balcron Monument Fed. #24-25	Undesignated	SE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32669	653' FSL, 2028' FWL	Vernal	
Balcron Monument Fed. #24-5	Monument Butte	SE SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31375	765' FSL, 2243' FWL	Vernal	Jonah
Balcron Monument Fed. #24-6	Monument Butte	SE SW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31363	504' FSL, 1613' FWL	Vernal	Jonah
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #31-1J	Monument Butte	NW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31413	660' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #31-25	Undesignated	NW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32530	660' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #31-7J	Monument Butte	NW NE	7	9S	17E	Duchesne	UT	WIW	Green River	U-44426	43-013-31405	831' FNL, 1782' FEL	Vernal	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Vernal	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521	43-013-31419	1805' FNL, 2139' FEL	Vernal	Jonah
Balcron Monument Fed. #32-14J	Monument Butte	SW NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31490	1980' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Vernal	Jonah
Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31465	1880' FNL, 1980' FEL	Vernal	Beluga

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	DM 58-FILE
3	VLD (GII) 2/2
4	RJH
5	LEP
6	FILM

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

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

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

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

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

Name: **SEE ATTACHED**	API: <u>013-31375</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

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yes 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Schwa Ins. Co. (Bond Rider In Progress)

- Y 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bouncer - Trust Lands

FILMING

- KDR 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

9/60/10 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	16E	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.

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

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
Inland Production Company

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

4. Location of Well
Footages: See Attached Exhibit

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

County:

State:

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of work completion 9-30-97

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

* Must be accompanied by a cement verification report.

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

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

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

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

OCT 1 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

(This space for State use only)

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
DIV. OF OIL & GAS



**EQUITABLE RESOURCES
ENERGY COMPANY**

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



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

TO: *Lisha*
St of Utah.

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

Pages Attached - Including Cover Sheet *2.*

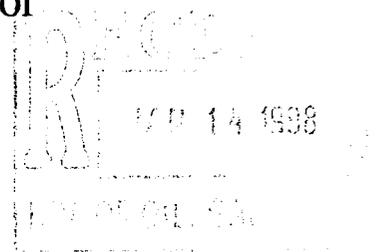
NOTE: *Here is the letter you requested.
Call if you need anything
further.*



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO
UT-931

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
UTU72086A	430133140600X1	21-12J	NENW	12	9S	16E	ABD	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133142200X1	21-15J	NENW	15	9S	16E	ABD	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

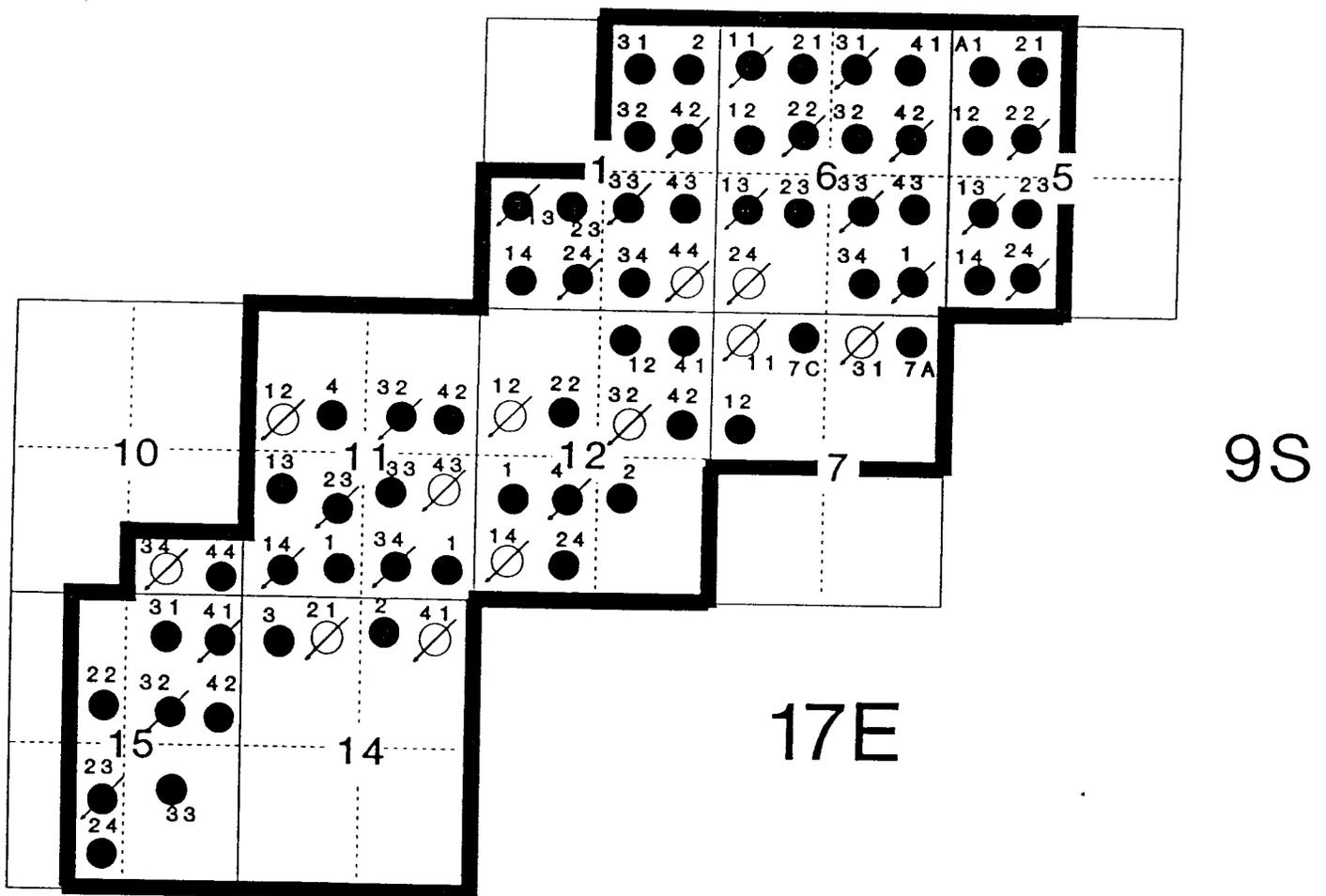
WELL STATUS REPORTS
UTAH STATE OFFICE

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

JONAH (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



16E

17E

9S

— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY
ALLOCATION
FEDERAL 100.00%

OPERATOR CHANGE WORKSHEET

Routing	
1-IEC	6-VA
2-CLH	7-KASE
3-DTS	8-SI
4-VLD	9-FILE
5-JBB	

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

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

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

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&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: **SEE ATTACHED**	API: <u>43-013-31375</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 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)*
- Sec 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: _____
- Sec 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.
- Sec 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.*
- Sec 6. **Cardex** file has been updated for each well listed above.
- Sec 7. Well **file labels** have been updated for each well listed above.
- Sec 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)*
- 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

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

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A/sc 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/sc 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

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

FILING

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

COMMENTS

980114 Btm/SY Aprv. eH. 1-13-98.

STATE OF UTAH
INVENTORY OF INJECTION WELLS

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

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	SENE 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	SENE 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 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 15 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 10 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 15 9S 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 12 9S 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 11 9S 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



PRODUCTION COMPANY

A Subsidiary of Inland Resources Inc.

April 19, 2000.

Division Oil and Gas & Mining
Attn: Mr. Brad Hill
1594 West North Temple – Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Monument Federal 24-5-9-17
API # 43-013-31375, U-020252

Dear Mr. Brad Hill

Please find enclosed the results of a MIT test conducted today on the above referenced well. On 4-19-00 there was 1100 psi put on casing with 1860 psi on tubing there was no loss of pressure charted in a ½ hour test. The pressure was then released. This was a 5 year scheduled test.

If you have any questions or need further information, please don't hesitate to contact me. I can be reached at our Pleasant Valley Office at (435) 646-3721 or on my cellular at (435) 823-7977.

Sincerely,

Ron Shuck
Production Foreman

Enclosures

cc: State of Utah – Division of Oil, Gas & Mining
Jon Holst - Inland Resources
Roosevelt & Denver Well Files

/rs

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APR 24 2000

DIVISION OF
OIL, GAS AND MINING

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

1. SUNDRY NOTICES AND REPORTS ON WELLS		U-020252	
(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 N/A	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> injection		7. UNIT AGREEMENT NAME JONAH	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME MONUMENT FEDERAL 24-5	
3. ADDRESS OF OPERATOR Route 3 Box 3630, Myton Utah, 84052 (435) 646-3721		9. WELL NO. 24-5-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/SW 0765 FSL 2243 FWL		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/SW Section 5, T09S R17E	
14. API NUMBER 43-013-31375	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5223 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>MIT on Casing</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.)*

The above referenced well had a MIT test done on the casing on 4-19-00. This was a 5 year annual test. The casing was pressured to 1100 psi with 1860 psi on tubing. No loss off pressure wash charted in 30 minutes. The pressure was then released.

18 I hereby certify that the foregoing is true and correct

SIGNED Ron Shuck TITLE Production Foreman DATE 4/19/00
Ron Shuck

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 5/12/00
By: [Signature]

* See Instructions On Reverse Side

COPY SENT TO OPERATOR
Date: 5-12-00
Initials: [Signature]

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: Navy Date: 4/19/00
Test conducted by: Ron Strick
Others present: Matt Ellingsworth

Well Name: <u>Maintenance 24-5-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC</u> TA UC
Field: <u>Tomb</u>	UT 2642-04210	
Location: _____	Sec: <u>5</u> T <u>9</u> N <u>8</u> R <u>17</u> E/W	County: <u>Archulete</u> State: <u>UT</u>
Operator: <u>Inland</u>	_____	
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>2200</u>	PSIG

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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: 70 bpd

APR 24 2000

DIVISION OF
OIL, GAS AND MINING

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure		<u>1860</u> psig	psig	psig
End of test pressure		<u>1860</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE				
<u>1:48</u> 0 minutes		<u>1100</u> psig	psig	psig
5 minutes		<u>1100</u> psig	psig	psig
10 minutes		<u>1100</u> psig	psig	psig
15 minutes		<u>1100</u> psig	psig	psig
20 minutes		<u>1100</u> psig	psig	psig
25 minutes		<u>1100</u> psig	psig	psig
30 minutes		<u>1100</u> psig	psig	psig
<u>2:22</u> minutes		psig	psig	psig
minutes		psig	psig	psig
RESULT		<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.:

MIT
5 year test on Casing

4'2" To Fill Annulus 1.16 Bbls Per Inch
4'1/4"
Come back to 4'2" to bleed off Annulus

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APR 24 2000

DIVISION OF
OIL, GAS AND MINING

Signature of Witness:

Ron Admet

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff: _____

Date: ____/____/____

Do you agree with the reported test results? YES NO

If not, why? _____

Possible violation identified? YES NO

If YES, what _____

If YES - followup initiated? YES _____

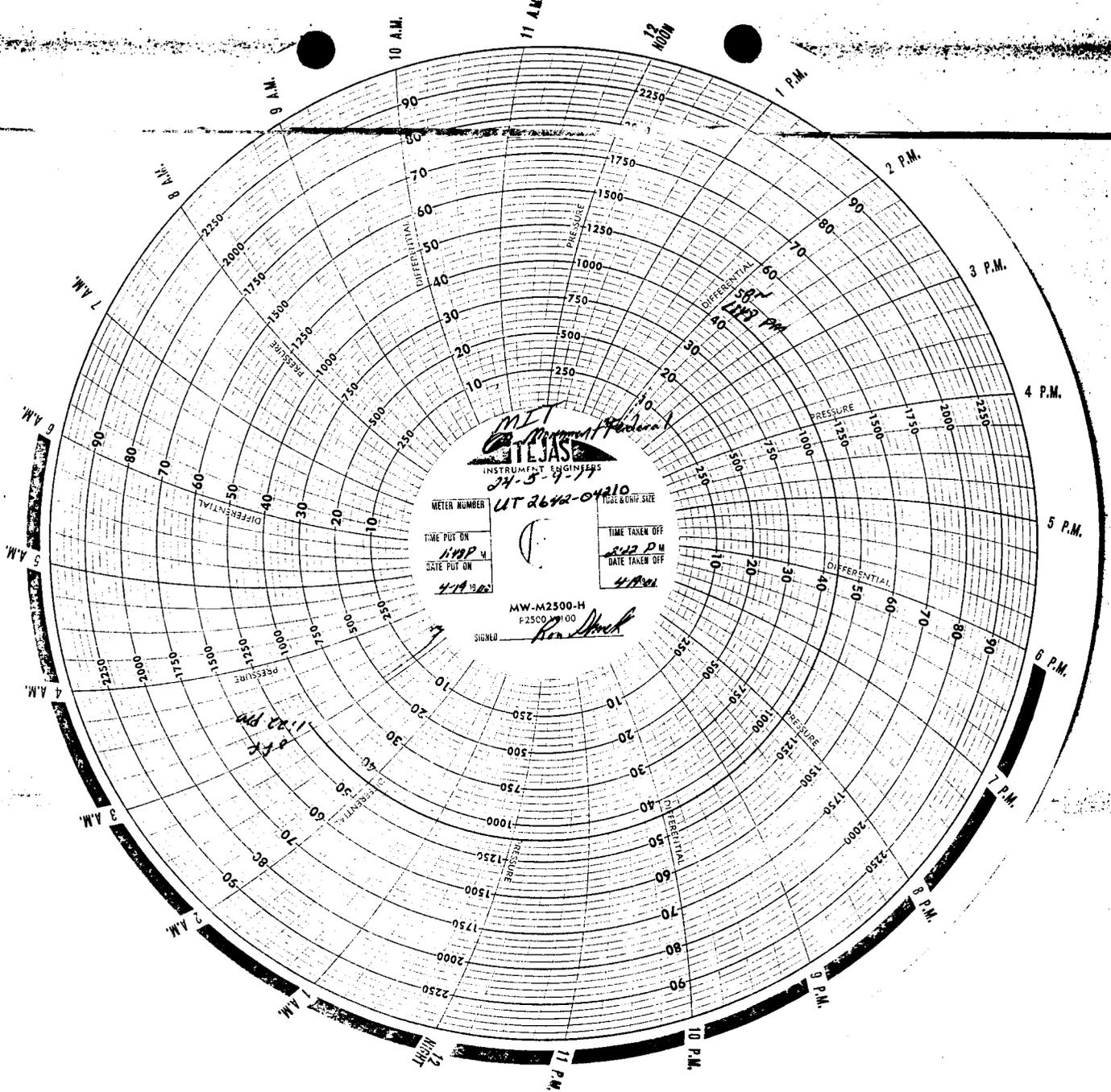
NO - why not? _____

Data Entry

Compliance Staff

2nd Data Entry

Hardcopy Filing



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APR 24 2000

**DIVISION OF
OIL, GAS AND MINING**



June 29, 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

RE: Step-Rate Test
Monument Federal # 24-5

Dear Dan:

Please find enclosed Step-Rate Tests (SRT) results on the Monument Federal #24-5 injection well in the Jonah Unit. Inland Production Company conducted the SRT on June 29, 2000. Due to Pressure limitations of the surface equipment parting pressure was not reached. Inland is requesting a change in the Maximum Allowable Injection pressure from 2200 to the maximum pressure attained in this test 2080 psi.

Thank you for your assistance. If you have any questions or need further information, please call me at (435) 646-3721.

Sincerely,

Brad Mecham
Operations Manager

/bm

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JUL 03 2000

**DIVISION OF
OIL, GAS AND MINING**

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

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. U-020252	
(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 N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> INJECTION		7. UNIT AGREEMENT NAME JONAH	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME MONUMENT FEDERAL 24-5	
3. ADDRESS OF OPERATOR Route #3 Box 3630 Myton, Utah 84052 (435) 646-3721		9. WELL NO. Federal 24-5	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/SW 0765 FSL 2243 FWL		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/SW Section 5, T09S R17E	
14. API NUMBER 43-013-31375	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5223 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

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"/>	WATER SHUT-OFF <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>
ABANDON* <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 June 29, 2000 Inland Production Company conducted a Step-Rate Test on the Monument Federal 24-5 injection well in the Jonah Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure from 2200 psi to 2080 psi on this well.

18 I hereby certify that the foregoing is true and correct

SIGNED Brad Mechem TITLE Operations Manager DATE 6/29/00
Brad Mechem

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COPY SENT TO OPERATOR
Date: 7-5-00
Initials: CHD

Approved by the
Utah Division of
Oil, Gas and Mining

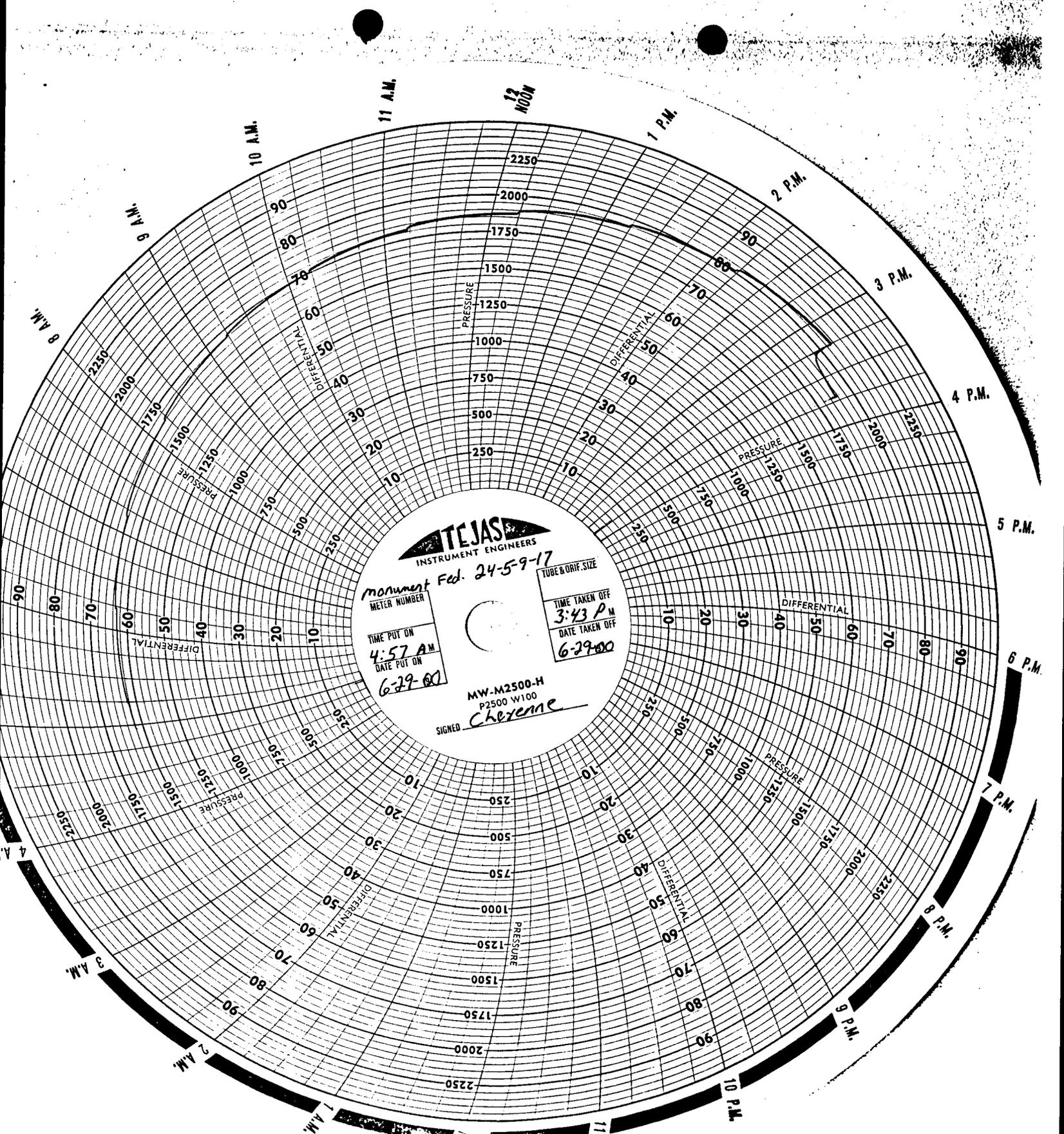
* See Instructions, Conditions

Date: 7/5/2000
By: [Signature]

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JUL 03 2000

DIVISION OF
OIL, GAS AND MINING

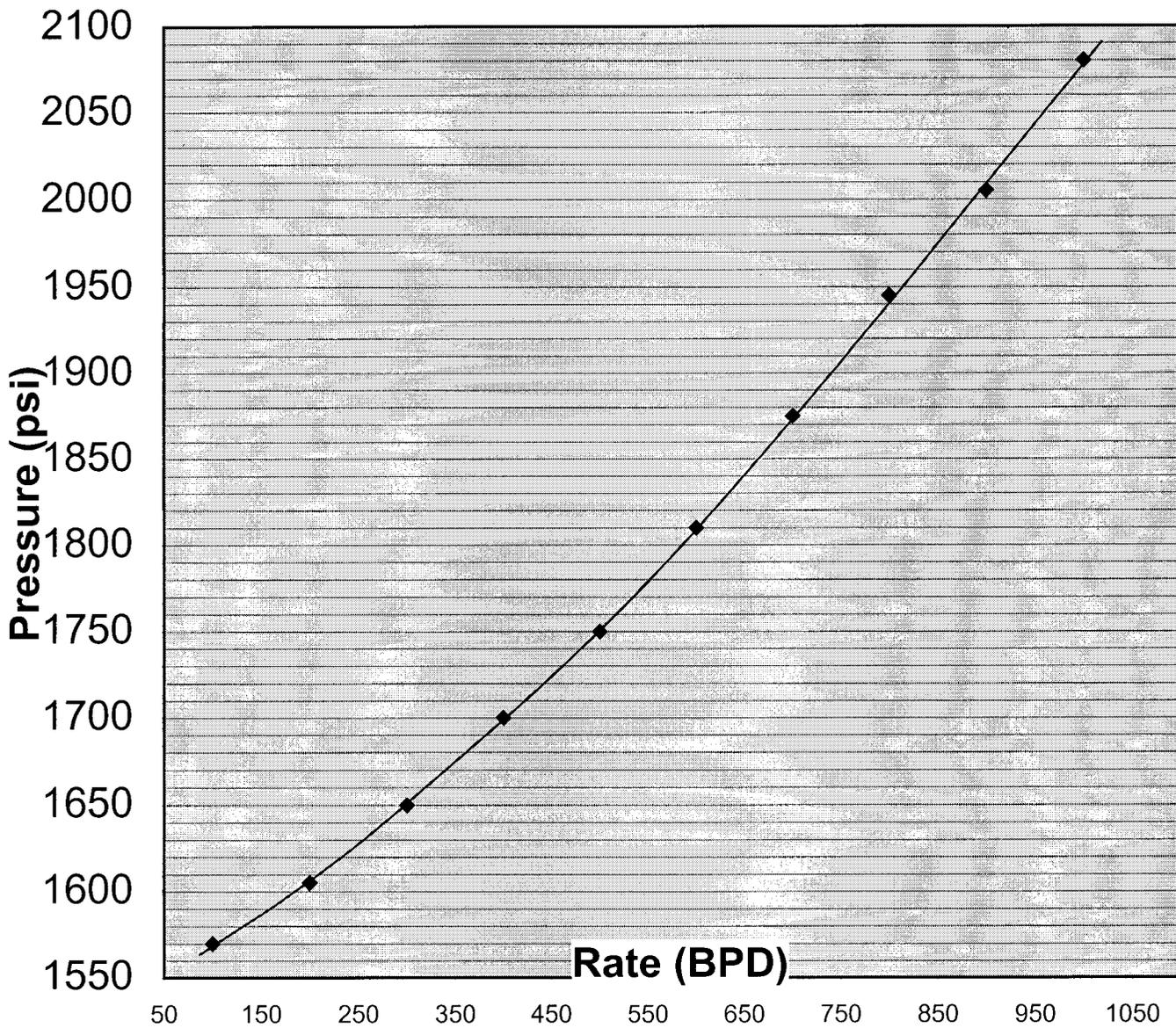


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JUL 03 2000

**DIVISION OF
OIL, GAS AND MINING**

**MF 24-5
(Jonah Unit)
Step Rate Test
June 29, 2000**



ISIP: N/A

Fracture pressure: N/A

FG: N/A

Step	Rate(bpd)	Pressure(psi)
1	100	1570
2	200	1605
3	300	1650
4	400	1700
5	500	1750
6	600	1810
7	700	1875
8	800	1945
9	900	2005
10	1000	2080

* 2080 psi was the maximum pressure reached due to surface equipment pressure limitations

Requested maximum pressure 2080 psi

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DIVISION OF
OIL, GAS AND MINING

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. Hunt* Approval Date: 9-20-04
 Title: Tech. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED
SEP 20 2004
DIV. OF OIL, GAS & MINING



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

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



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

9/1/2004

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

CA No.

Unit:

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:
 UTU020252

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.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: Newfield Production Company		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: MON FED 24-5
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0765 FSL 2243 FWL		9. API NUMBER: 4301331375
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SE/SW, 5, T9S, R17E		10. FIELD AND POOL, OR WILDCAT: Monument Butte
		COUNTY: Duchesne
		STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<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 type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

A 5 Year MIT was conducted on the subject well. On 3/18/05 Mr. Nathen Wiser was notified of the intent to conduct a MIT on the casing. On 3/25/05 the casing was pressured to 1400 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

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

NAME (PLEASE PRINT) <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u><i>Krishna Russell</i></u>	DATE _____

(This space for State use only)

RECEIVED
 MAR 31 2005
 DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 03 / 25 / 2005
 Test conducted by: J.D. Horrocks
 Others present: _____

Well Name: <u>Balcon Mountain Fed. 245-9-1</u> Type: ER SWD Status: AC TA UC			
Field: <u>Tomb</u>			
Location: <u>SE/SW</u>	Sec: <u>5</u>	T <u>9</u>	N/E R <u>17</u> E/W County: <u>Duchesne</u> State: <u>Ut.</u>
Operator: <u>Newfield</u>			
Last MIT: <u>1</u> / <u>1</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: 66 bpd

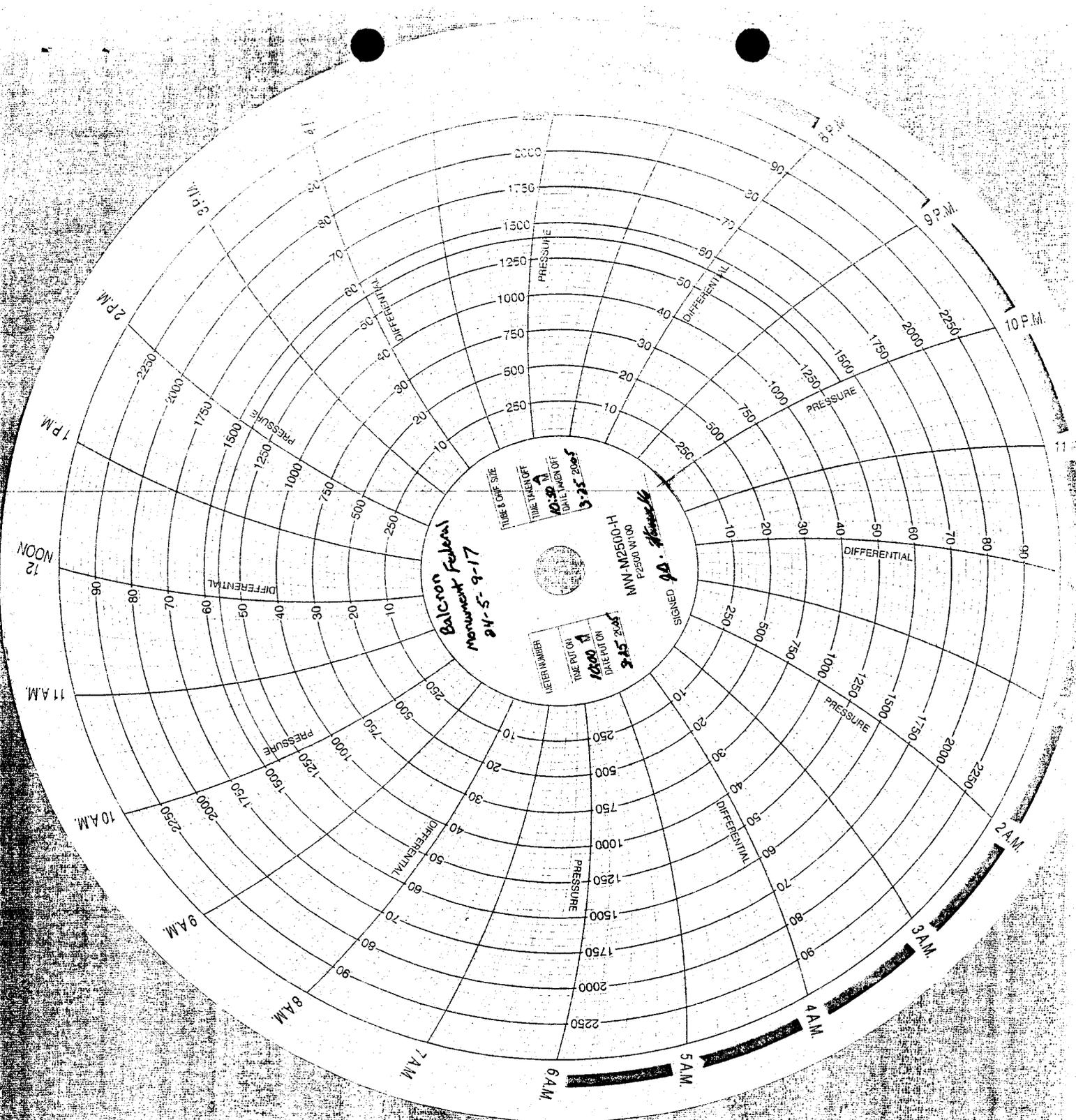
Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial pressure	<u>2060</u> psig	psig	psig
End of test pressure	<u>2060</u> psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
0 minutes	<u>1400</u> psig	psig	psig
5 minutes	<u>1400</u> psig	psig	psig
10 minutes	<u>1400</u> psig	psig	psig
15 minutes	<u>1400</u> psig	psig	psig
20 minutes	<u>1400</u> psig	psig	psig
25 minutes	<u>1400</u> psig	psig	psig
30 minutes	<u>1400</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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

RECEIVED
 MAR 31 2005

DIV. OF OIL, GAS & MINING



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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-020252

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 24-5

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331375

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: 765 FSL 2243 FWL COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 5, 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: 03/03/2010	<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.

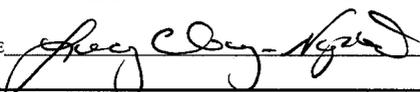
On 02-08-10 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. Permission was given at that time to perform the test on 02-08-10. On 03-03-10 the casing was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1970 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT 20642-04210 API# 43-013-31375

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 03/04/2010

(This space for State use only)

RECEIVED
MAR 08 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 3 / 3 / 2010
 Test conducted by: Dave Richens
 Others present: _____

Well Name: <u>Monument Federal 24-5-9-77</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>SE/SW</u> Sec: <u>5</u> T <u>9</u> N <u>10</u> R <u>17</u> <u>W</u> 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: 149 bpd

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	1970 psig	psig	psig
End of test pressure	1970 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1425 psig	psig	psig
5 minutes	1425 psig	psig	psig
10 minutes	1425 psig	psig	psig
15 minutes	1425 psig	psig	psig
20 minutes	1425 psig	psig	psig
25 minutes	1425 psig	psig	psig
30 minutes	1425 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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: _____

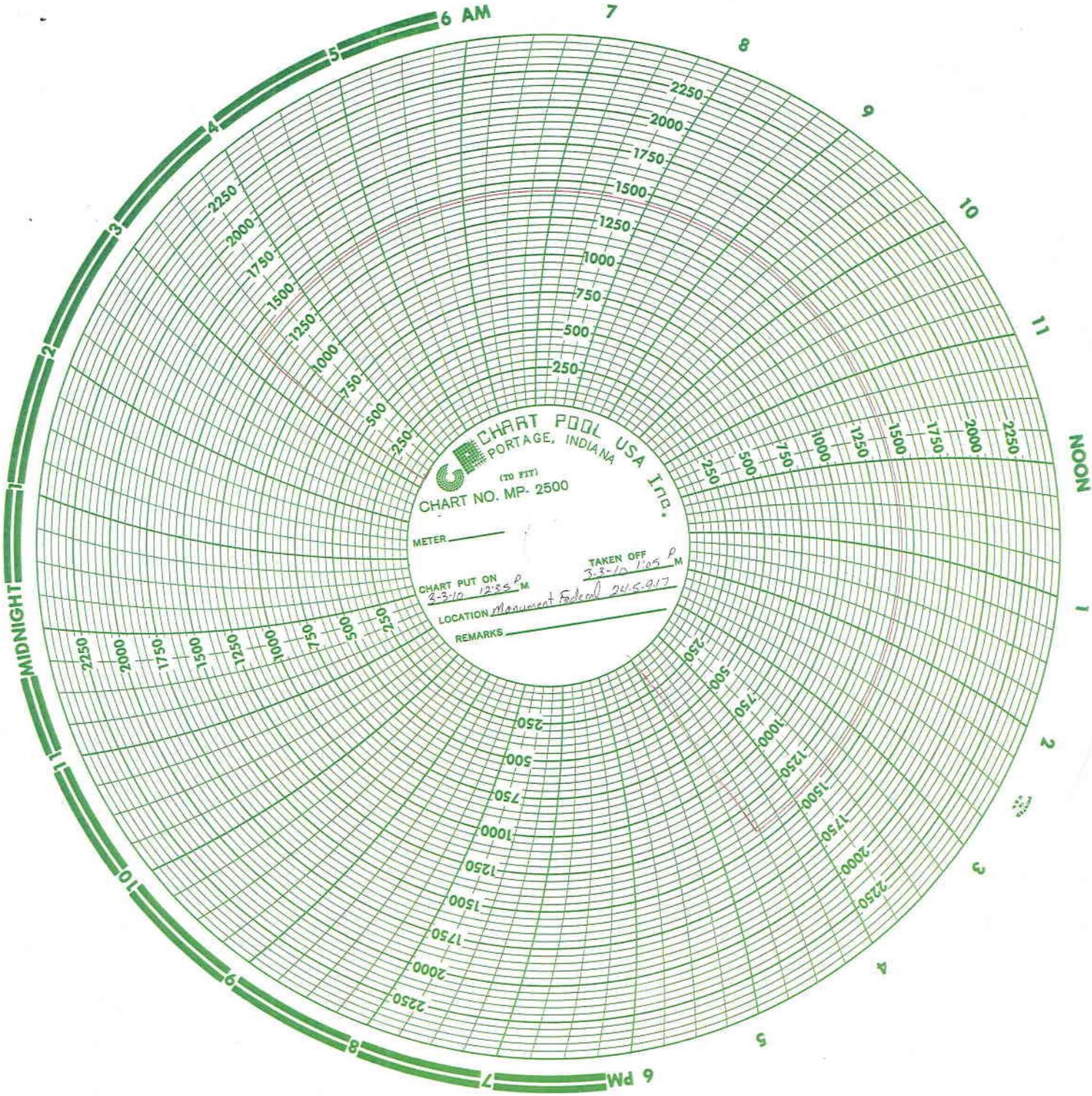


CHART POOL USA Inc.
(TO FIT)
PORTAGE, INDIANA
CHART NO. MP- 2500

METER _____

CHART PUT ON 3-3-10 12:35 P
TAKEN OFF 3-3-10 1:05 P

LOCATION Manumet Federal 245.017

REMARKS _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

SEP 03 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Underground Injection Control (UIC)
Authorization to Continue Injection
EPA UIC Permit UT20642-04210
Well: Monument Federal 24-5-9-17
SESW Sec. 5-T9S-R17E
Duchesne County, UT
API No.: 43-013-31375

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) received the results of the July 30, 2010, Radioactive Tracer Survey (RTS) for the Monument Federal 24-5-9-17 well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 2,080 psig.

As of the date of this letter, EPA hereby authorizes continued injection into the Monument Federal 24-5-9-17 well under the terms and conditions of UIC Permit UT20642-04210.

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

RECEIVED

SEP 15 2010

DIV. OF OIL, GAS & MINING

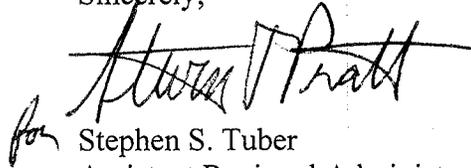
As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wiser at the following address, referencing the well name and UIC Permit number on all correspondence:

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

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20642-04210.

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

Sincerely,



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

cc: Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman
Frances Poowegup, Vice-chairwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg
Regulatory Analyst
Newfield Production Company

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: MON FED 24-5
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013313750000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0765 FSL 2243 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 05 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	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: 2/9/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 02/09/2015 the casing was pressured up to 1195 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1642 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04210

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
February 11, 2015**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/11/2015	

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 02 10 15
 Test conducted by: Michael Jensen
 Others present: _____

Well Name: <u>Balclutha Monument Federal 245-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SE/SW</u> Sec: <u>5</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>New Field</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1750</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: 0 bpd

Pre-test casing/tubing annulus pressure: 0 / 1642 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1642</u> psig	psig	psig
End of test pressure	<u>1642</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1192.2</u> psig	psig	psig
5 minutes	<u>1192.6</u> psig	psig	psig
10 minutes	<u>1193.4</u> psig	psig	psig
15 minutes	<u>1193.8</u> psig	psig	psig
20 minutes	<u>1194.0</u> psig	psig	psig
25 minutes	<u>1194.2</u> psig	psig	psig
30 minutes	<u>1194.6</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

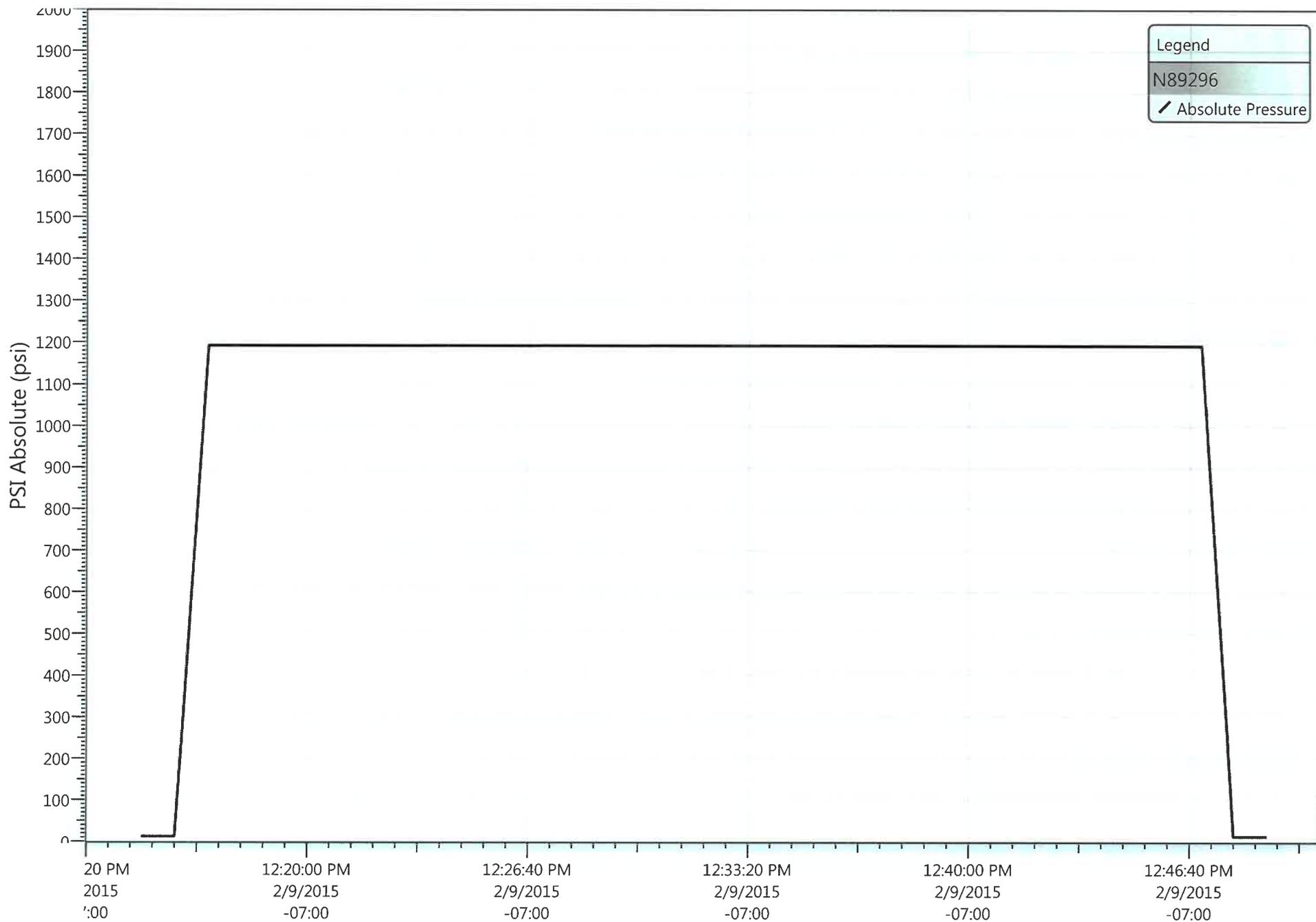
MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

Balcron Monument Federal 24-5-9-17 5 Year MIT (2-9-15)

2/9/2015 12:13:38 PM



Monument Fed. 24-5-9-17

Spud Date: 11/7/1992
 Put on Production: 1/28/1993
 Put on Injection: 10/20/1994
 GL: 5223' KB: 5236'

Initial Production: 70 BOPD,
 25 MCFD, 5 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (258.20')
 DEPTH LANDED: 271'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 127 jts. (5721.94')
 DEPTH LANDED: 5699'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 226 sxs Hillift & 400 sxs 50-50 POZ.
 CEMENT TOP AT: 2525' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" J-55 6.5#
 NO. OF JOINTS: 127 jts 3975.99'
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3990.09' KB
 2-7/8" x 2-3/8" cross over (3799.69')
 TUBING PACKER: 3983.89'
 NO. OF JOINTS: 29 jts 2-3/8" tbg (4882.59')
 TUBING PACKER: 4890.19'
 SEATING NIPPLE: 2-3/8" (1.10')
 SN LANDED AT: 4904.29' KB
 TOTAL STRING LENGTH: EOT @ 4891.28'

FRAC JOB

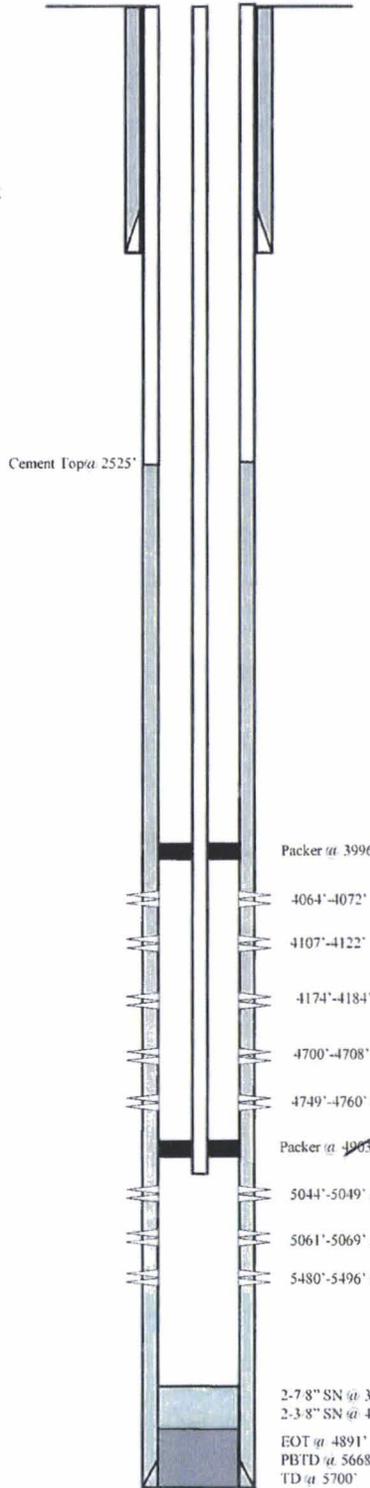
12/5/92 5480'-5496' **Frac zone as follows:**
 20,400# 11-40 sand + 11,600# 16-40 sand in 361 bbls Viking 1-35 fluid. Treated @ avg press of 2200 psi w avg rate of 25 BPM. ISIP 2100 psi.

12/5/92 5044'-5069' **Frac zone as follows:**
 23,320# 20-40 sand + 12,240# 16-30 sand in 261 bbls Viking 1-35 fluid. Treated @ avg press of 2350 psi w avg rate of 25 BPM. ISIP 2150 psi. Calc. flush: 5044 gal, Actual flush: 4998 gal.

12/12/92 4700'-4760' **Frac zone as follows:**
 50,790# 16-30 sand in 477 bbls Viking 1-35 fluid. Treated @ avg press of 1950 psi w avg rate of 25 BPM. ISIP 1960 psi.

12/12/92 4064'-4184' **Frac zone as follows:**
 83,000# 16-30 sand in 638 bbls Viking 1-35 fluid. Treated @ avg press of 1780 psi w avg rate of 30 BPM. ISIP 1450 psi. Calc. flush: 4064 gal, Actual flush: 4032 gal.

03-03-10 5 YR MIT



PERFORATION RECORD

Date	Depth Range	Holes
12/12/92	4064'-4072'	3 holes
12/12/92	4107'-4122'	4 holes
12/12/92	4174'-4184'	4 holes
12/09/92	4700'-4708'	2 holes
12/09/92	4749'-4760'	2 holes
12/06/92	5044'-5049'	2 holes
12/06/92	5061'-5069'	2 holes
12/04/92	5480'-5496'	2 holes

NEWFIELD

Monument Fed. #24-5-9-17
 765' FSL & 2243' FWL
 SESW Section 5-T9S-R17E
 Duchesne Co, Utah
 API #43-013-31375; Lease #U-020252