



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

# RECEIVED

JAN 28 1993

DIVISION OF  
OIL, GAS & MINING

January 27, 1993

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

Gentlemen:

We hereby request that the status of the following wells be held tight for the maximum period allowed by State regulations:

Balcron Monument Federal #32-11  
SW NE Section 11, T9S, R16E  
Duchesne County, Utah

Balcron Monument Federal #22-5  
SE NW Section 5, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #14-5  
SW SW Section 5, T9S, R17E  
Duchesne County, Utah

Balcron Monument Federal #23-5  
NE SW Section 5, T9S, R17E  
Duchesne County, Utah

This request was inadvertently omitted when sending in the APDs.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

# APPLICATION FOR PERMANENT CHANGE OF WATER

STATE OF UTAH

RECEIVED  
APR 17 1987  
WATER RIGHTS  
SALT LAKE

Rec. by DJ  
Fee Paid \$ 15.00  
Receipt # 22150  
Microfilmed \_\_\_\_\_  
Roll # \_\_\_\_\_

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): \_\_\_\_\_

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: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine.  
 Ores mined: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
 Power: Plant name: \_\_\_\_\_  
 Other (describe): drilling & completion of oil field locations 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 25B & 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 redivered from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Diverting Works: \_\_\_\_\_

19. 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/acre will be taken from  
irrigation purposes and used for oilfield purposes  
Acres to be irrigated will change from ~~55.7~~ to ~~50~~ acres

\*\*\*\*\*

The 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).

*Diana 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

**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

1815.8' FSL 2056.9' FWL  
At proposed prod. zone

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

Approximately 16.2 miles SW of Myton, Utah

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40 acres

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

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

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

GL 5209.7'

22. APPROX. DATE WORK WILL START\*

Upon APD approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D"	for details			

**RECEIVED**

JAN 29 1993

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING/CASING PROGRAM
- "E" EVIDENCE OF BOND COVERAGE
- "F" ARCHEOLOGY REPORT
- "G" SURVEY PLAT
- "H" BOPE SCHEMATIC
- "I" RIG LAYOUT
- "J" EXISTING ROADS (MAP A)
- "K" PLANNED ACCESS (MAP B)
- "L" EXISTING WELLS (MAP C)
- "M" CUT & FILL DIAGRAM

DIVISION OF  
OIL GAS & MINING

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. Bobbie Schuman SIGNED Coordinator of Environmental and Regulatory Affairs TITLE Jan. 27, 1993 DATE

(This space for Federal or State office use)

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

PERMIT NO. 43-013-31383

APPROVAL DATE

DATE: 5-12-93

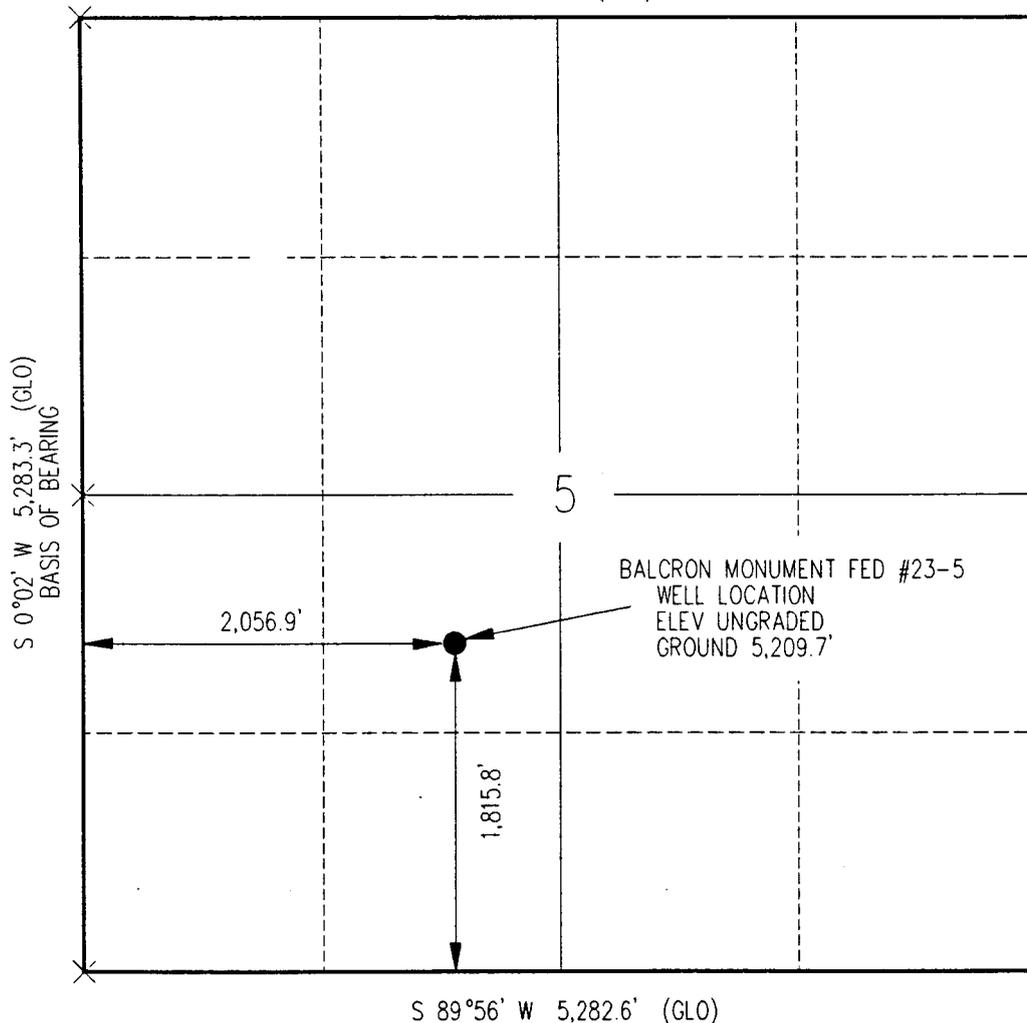
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

BY: [Signature]  
WELL SPACING: 649-3-7

\*See Instructions On Reverse Side

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

N 89°58' E (GLO)



S 0°02' W 5,283.3' (GLO)  
BASIS OF BEARING

N 0°03' W 5,282.6' (GLO)

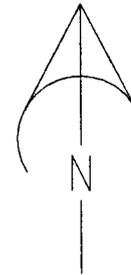
BALCRON MONUMENT FED #23-5  
WELL LOCATION  
ELEV UNGRADED  
GROUND 5,209.7'

S 89°56' W 5,282.6' (GLO)

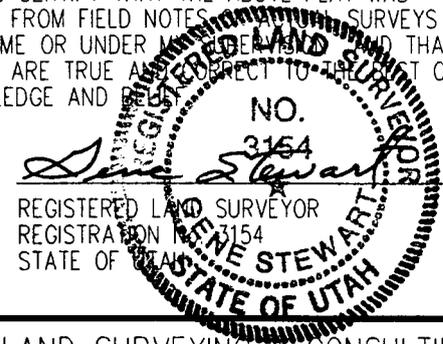
X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #23-5,  
LOCATED AS SHOWN IN THE NE 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.



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

SCALE: 1" = 1000'	SURVEYED BY: GS DB
DATE: 9/29/92	WEATHER: CLEAR & WARM
NOTES:	FILE # #23-5

EXHIBIT "G"

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #23-5  
NE 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 #23-5  
NE 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. 225' & 275' SW and 175' & 225' NW
- B. The Monument Federal #23-5 is located approximately 16.2 miles Southwesterly of Myton Utah, in the SE1/4 NW1/4 Section 5, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 23-5, 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 9.3 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 0.9 mile to road intersection, turn right and proceed 0.4 mile to location which is on the South side of the existing road.
- 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)**

No new access road construction is planned for access to the proposed well location.

- A. Width - None

- B. Construction standard - None
- C. Maximum grade - None
- D. Turnouts - None
- E. Drainage design - None
- F. Culverts, cuts and fills - None
- G. Surface materials - None
- 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 "C".
  - 2. Production facilities - see Map "C".
  - 3. Oil gathering lines - none.
  - 4. Gas gathering lines - see Map "C".
- 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. The reserve pit will be located on the SE side and will be narrowed between corner #5 and pit corner "B" to avoid a drainage. The flare pit will be located downwind of the prevailing wind direction between corners #5 & #6. No diversion ditches will be constructed. Access to the well pad will be from the North near corner #2.
- 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 disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, 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 ( <i>Kochia prostrata</i> )
5	Ephriam Crested Wheatgrass ( <i>Agropyron cristatum</i> Ephriam)
4	Russian Wildrye ( <i>Elymus junceus</i> )
2	Fourwing Saltbush ( <i>Atriplex canescens</i> )

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 reseeding operations will be performed in the fall or spring following completion of reclamation operations.

## 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.
  - 5. A silt catchment basin will be constructed according to BLM specifications approximately 100 feet East of location pit corner "A", where flagged.

**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.

January 27, 1993

Date

Bobbie Schuman

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

BALCRON OIL COMPANY

Geologic Prognosis

EXPLORATORY  
DEVELOPMENT X

WELL NAME: Balcron Monument Butte Fed #23-5 PROSPECT/FIELD: Monument Butte  
 LOCATION: NESW 1980' FSL, 1780' FWL SECTION: 5 TOWNSHIP: 9S RANGE: 17E  
 COUNTY: Duchesne STATE: UT GL(Ung): 5209.7 EST KB: 5221 TOTAL DEPTH: 5800

FORM. TOPS:

Formation	Prognosis		Sample Top		Cnll Wl. Datum	Formation	Prognosis		Sample Top		Cnll Datum
	Depth	Datum	Depth	Datum			Depth	Datum			
KB		5221			5244						
Duchesne	Surf										
Green River	1435	3786			3767						
Horseshoe Bench	2156	3065			3046						
Pay #1 Y-2	4130	1091			1072						
Douglas Creek	4621	600			581						
Pay #2 R-2	4710	511			492						
Pay #3 R-5	4806	415			396						
Pay #4 G-3	5103	118			99						
Wasatch Tongue	5503	-282			NDE						
TD	5800										

CONTROL WELL: Allen Federal #12-5 dir/oli: SWW section: 5 Township: 9S Range: 17E

SAMPLES:

Depth	Number of samples	Depth	Log	From	To	Depth	Log	From	To
50'	1000	4000	DIL	Surf	TD	3500	csq	lo	TD
20'	4000	TD	LDT/CNL	from	lo			lo	TD
				from	lo			lo	
				from	lo			lo	
				from	lo			lo	
				from	lo			lo	
				from	lo			lo	
				from	lo			lo	

Send Samples To:  
Utah Geological Sample Library  
1-Dry Out

CORES:  
NONE

DRILL STEM TESTS:  
NONE

MUG LOGGER/HOT WIRE:  
 Required: (Yes/No) Yes  
 Type: Two Man

WELLSITE GEOLOGIST:  
 From: 1000' to: TD  
 Name: \_\_\_\_\_ Tele. No: \_\_\_\_\_  
 Address: \_\_\_\_\_

COMMENTS:

PREPARED BY: K. K. Reinschmidt/S. W. VanDelinder DATE: 11/16/92



BALCRON OIL CO.

<b>Operator: BALCRON OIL</b>	<b>Well Name: Monument Fed 23-5</b>
<b>Project ID:</b>	<b>Location: Monument Butte, Utah</b>

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2320 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	5,800	5-1/2"	15.50	J-55	ST&C	5,800	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	2900	4040	1.393	2900	4810	1.66	89.90	202	2.25 J

Prepared by : McCoskery, Billings, MT  
 Date : 11-30-1992  
 Remarks :

Minimum segment length for the 5,800 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and  
 2,900 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

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

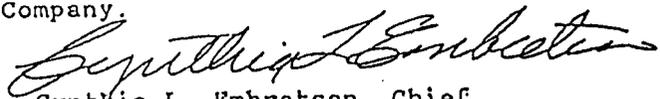
### CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

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

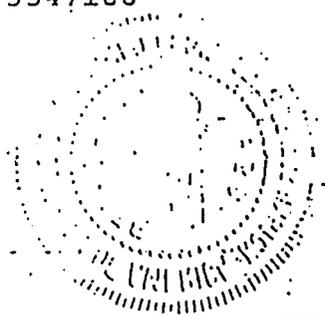
STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE  
IN ALASKA OIL AND GAS BOND

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

EXHIBIT "E" Page 3 of 4
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: SAFECO INSURANCE COMPANY OF AMERICA TITLE SURETY

By: R. George Voinchet ATTORNEY-IN-FACT



POWER OF ATTORNEY

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

EXHIBIT "E" Page 4 of 4  
3798

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

KNOW ALL BY THESE PRESENTS:

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

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

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

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

this 4th day of September, 19 87.

CERTIFICATE

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

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

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

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

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

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

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

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

this 10th day of April, 19 89.

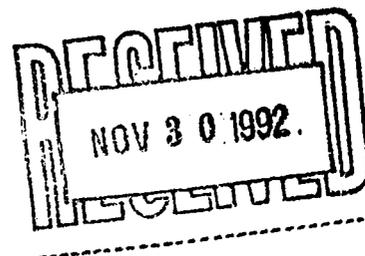


EXHIBIT "F"

# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

November 24, 1992



*Subject:* **CULTURAL RESOURCE EVALUATION OF 7 PROPOSED  
WELL LOCATIONS IN THE CASTLE PEAK DRAW  
LOCALITY OF DUCHESNE COUNTY, UTAH**

*Project:* **BALCRON OIL CO. -- 1992 Development  
Program for the Monument Butte Lease Area  
UNITS: 14-15, 32-11, 21-17, 14-5, 22-5, 23-5, & 13-8**

*Project No.:* **BLCR-92-8**

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

*Utah Project No.:* **UT-92-AF-634b**

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

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

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

**CULTURAL RESOURCE 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 1358 (BLCR-92-8)**

**Utah State Project No.: UT-92-AF-634b**

**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**

**November 24, 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. The examinations of these seven locations involved a total of 87.75 acres of which 15.75 acres (1.3 mile) includes five separate access routes associated with Units 14-15, 32-11, 21-17, 14-5, and 13-8. The remaining 70 acres involves ten acre parcels at all seven of the proposed Units (14-15, 32-11, 21-17, 14-5, 22-5, 23-5, and 13-8). These evaluations were conducted between November 3 and 17, 1992 by archaeologist Glade Hadden under the supervision of F. Richard Hauck. An AERC team consisting of Glade Hadden, Lance Harding, Michael Hauck, and F.R. Hauck participated in the recording and analyses of the cultural sites.

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.

A paleontologically sensitive area was observed and flagged for avoidance in association with the access route into Unit 14-5.

Two newly identified cultural resource activity loci were evaluated and recorded during the examinations. These sites (42DC 765 and 42DC 766) consist of a significant open occupation and a significant lithic scatter associated respectively with proposed Units 13-8 and 23-5.

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

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## GENERAL INFORMATION

Between November 3 and 17, 1992, archaeologist Glade Hadden acting under the supervision of F.R. Hauck conducted intensive cultural resource evaluations for Balcron Oil Company of Billings, Montana. These examinations involved seven separate well locations (14-15, 32-11, 21-17, 14-5, 22-5, 23-5, and 13-8) and five linear access route evaluations totaling 1.3 mile associated with Units 14-15, 32-11, 21-17, 14-5, and 13-8. 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.

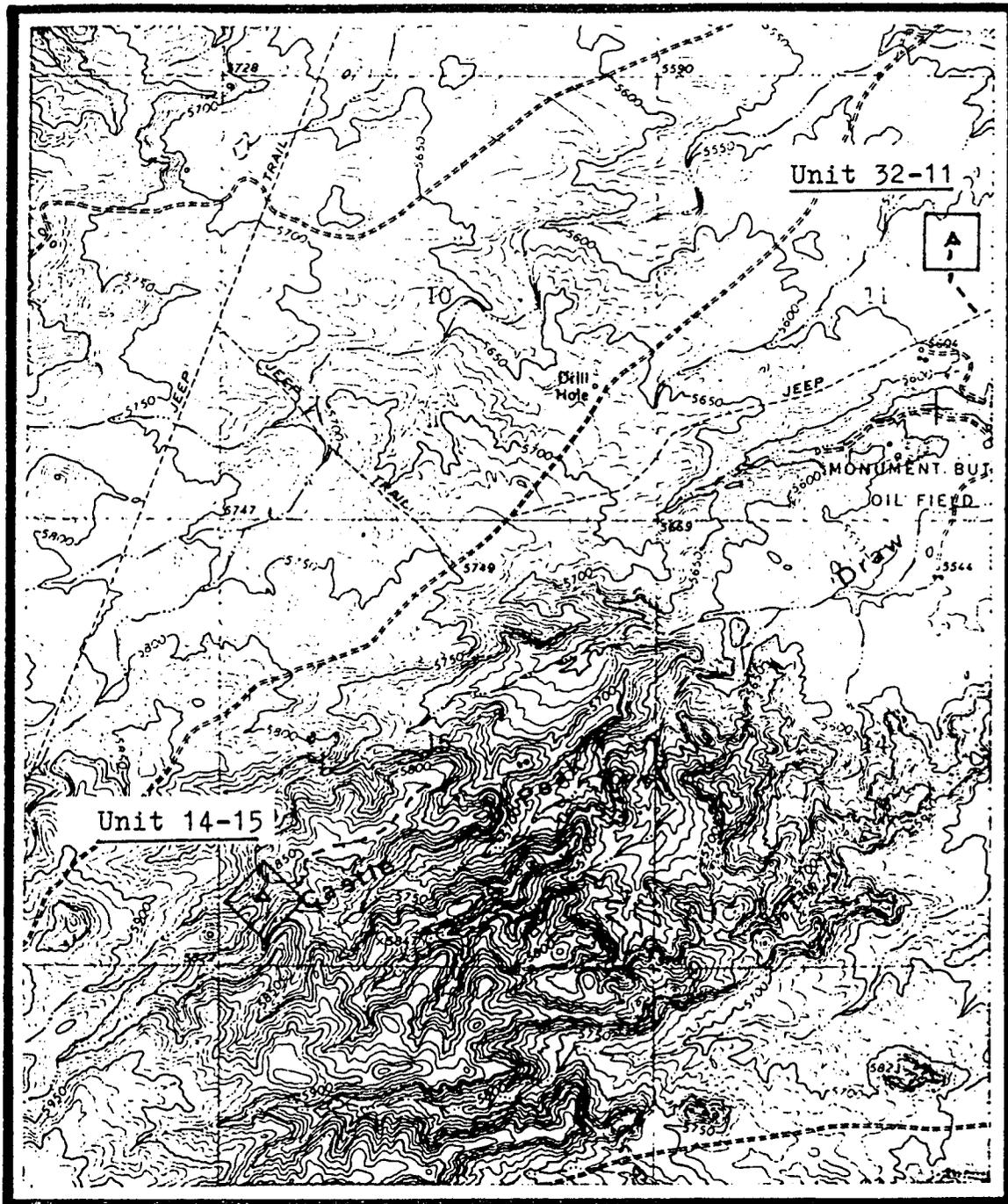
In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management relative to the locations on public lands, and to the Antiquities Section 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 seven evaluated well locations included seven 10 acre parcel evaluations for a total of 70 acres. A series of 15 to 20 meter-wide survey transects were walked within the 100 foot-wide corridors associated with the five access routes covering a total distance of 1.3 miles or some 15.75 acres. A total of 85.75 acres were examined during this inventory.

### 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.

Unit 14-15 is situated in the SW - SW quarter of Section 15, Township 9 South, Range 16 East. Its access route extends for ca. .5 mile to the northeast into the center of that section to connect with another well location (see Map 1).



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

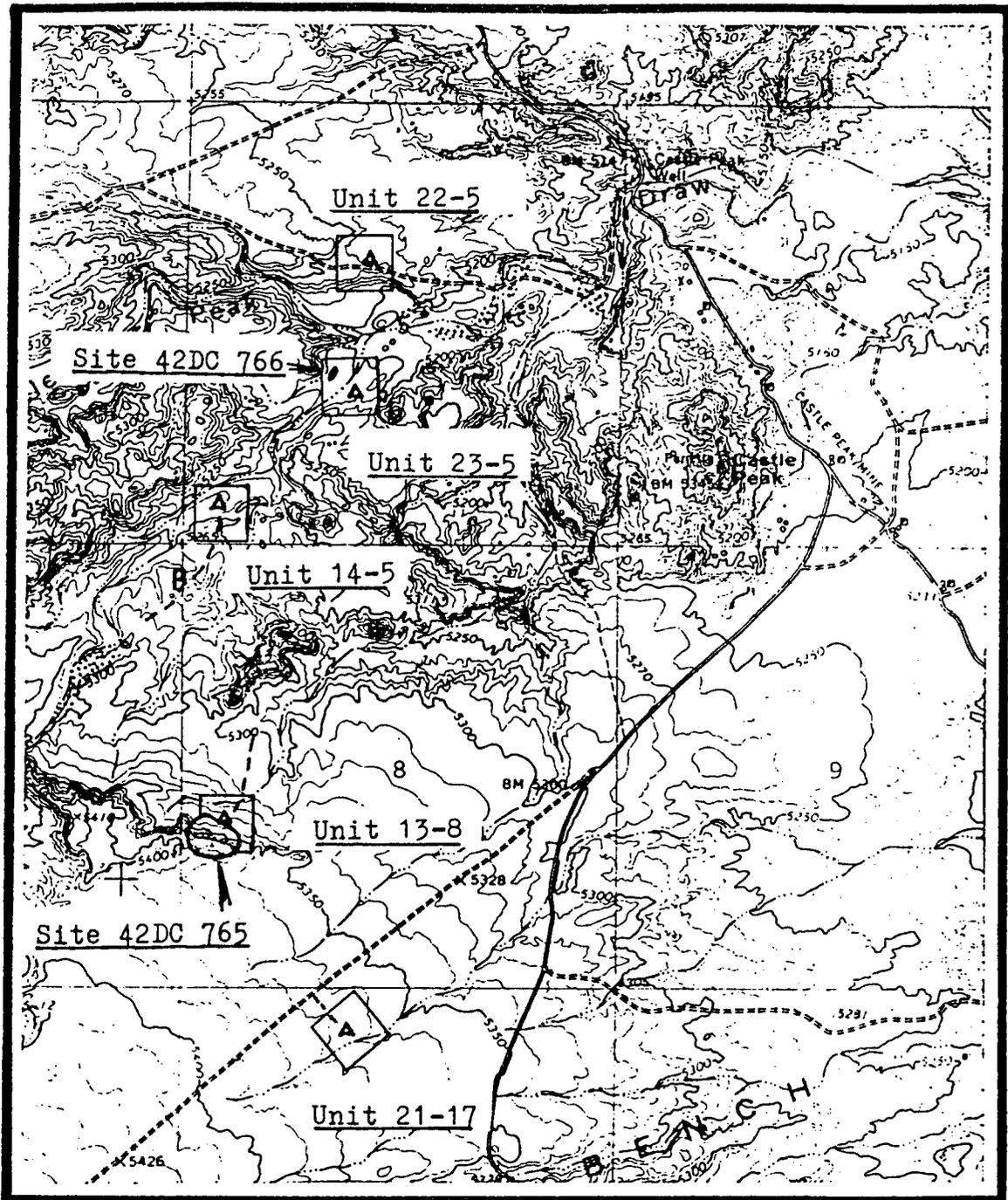
**MAP 1**  
 Cultural Resource Survey  
 of Proposed Well Locations  
 in the Castle Peak Draw  
 Locality of Duchesne Co.

**Legend:**  
 Well Location   
 Access Route   
 Ten Acre Survey Area 



**Project:** BLCR-92-8  
**Series:** Uinta Basin  
**Date:** 11-24-92  
**Scale:** 1:24000





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

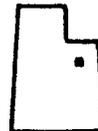
**MAP 2**  
 Cultural Resource Survey  
 of Proposed Well Locations  
 in the Castle Peak Draw  
 Locality of Duchesne Co.

**Legend:**  
 Well Location  $\Delta$   
 Access Route   
 Ten Acre Survey Area   
 Cultural Site   
 Paleontologically Sensitive Area  $P$



Project: BLCR-92-8  
 Series: Uinta Basin  
 Date: 11-24-92

Scale: 1:24000



Unit 32-11 is in the SW - NE quarter of Section 11 of that same township and range. An access route extends ca. .25 mile north from the existing road to the location (see Map 1).

Units 22-5, 23-5 and 14-5 are situated in Section 5, Township 9 South, Range 17 East. These three units are respectively situated in the SE - NW, NE - SW, and SW -SW quarters of that section (see Map 1). Units 22-5 and 23-5 are adjacent to the existing roadways. Unit 14-5 is accessible via a ca. .3 mile-long access that begins in the NE - NE of adjacent Section 7 and extends to the northeast to the well location.

Unit 13-8 is located in the NW - SW quarter of Section 8, Township 9 South, Range 17 East (see Map 2). Its .25 mile-long access comes in from an existing roadway to the north of the location.

Unit 21-17 is also located in Township 9 South, Range 17 East. It is situated in the NE - NW quarter of Section 17 (see Map 2). This unit has a short (ca. 500 foot-long) access route which will connect the location with the existing road to the north of the location.

#### 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, and November 3, 1992. A similar search was conducted in the Vernal District Office of the BLM on November 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, 732, 761, and 763 have been identified and recorded by AERC during previous evaluations (Hauck 1981, 1992a, 1992b, 1992c, 1992d). Additional sites previously recorded in this locality include Sites 42DC 423, 424, and 425 which were documented by Sagebrush (Polk 1982).

### 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 known 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 and principal tributaries.

The majority of known sites in this project area are lithic scatters (42DC 349, 350, 353 and 763). Open occupations such as 42DC 352 are also present. Sites 42DC 351 and 761 are rock shelters. 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. 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. 1.3 miles or 15.75 acres of public lands associated with the five access routes and another 70 acres associated with the seven well locations were examined by Glade Hadden acting under the direction of F. Richard Hauck, the Principal Investigator.

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:

Two significant prehistoric cultural resource activity loci were observed, evaluated and recorded during the archaeological evaluations. These sites have been subsequently listed in the State and BLM files as 42DC 765 and 42DC 766.

Site 42DC 765 consists of a 220 x 150 meter lithic scatter/rock shelter complex that is predominantly associated with the southern edge and slope of an exposed sandstone ledge complex. Detritus spread extends nearly 40 meters south of the ledge and a sparse scatter of detritus exists on the north slope of the ledge within the perimeters of staked unit No.13-8. This generally dispersed distribution of primarily secondary flakes and core fragments indicates extensive prehistoric activity within the southern portion of this site. The stabilized sand deposits in the site may contain buried features. Sandstone fragments indicate presence of both deflated and buried hearths. Site contains three components: an extensive prehistoric occupation, a historic camp, and a modern sheepherder camp. The historic is primarily defined by the presence of green and purple glass and soldered-top tin cans. Site is in three units. Unit A which measures ca. 120 meters east-west is on the east side of the site and has a southern exposure. Unit A contains the three components, a large lithic scatter, and a shallow rock shelter complex. Unit B is on the western end of the site and contains an exposed ledge complex. It also has a southern exposure. A badly vandalized rock shelter marks the western end of Unit B. Unit B also contains a dispersed lithic scatter and some scattered historic and modern debris. Unit B contains fragments of a mano and metates near the shelter as well as oxidized stone. Unit C is on the north slope of the rock outcrop. The southwest corner of proposed Well No. 13-8 has been staked overlapping into Unit C. Unit C contains several isolated flakes and a collector's pile which is well outside the proposed development zone. Unit C contains low, stabilized dunes which may have potential for containing buried features and occupational surfaces. Because Unit C has a northern exposure, its potential for containing extensive occupational strata and material deposits is relatively low. Temporal and cultural associations for this site are presently unknown; no diagnostic artifacts or exposed features were observed during the survey.

This site is a significant resource. Units A and B particularly have the potential for providing pertinent and valuable information on the prehistory of the region relative to criterion d of Title 36 CFR 60.6. These two units also have excellent

to good research potential. Unit C has marginal significance due to the lack of artifact and feature contexts. Its cultural value is primarily associated to its relationship to the more intensively occupied portions of the site, i.e., Units A and B, which are to the south and above the proposed well location.

Proposed Well 13-8 will overlap into the northeastern portion of Unit C. About five isolated flakes were observed in the development zone. A collector's pile of detritus is also situated in Unit C but is well outside the construction area (ca. 130 meters to the west of the well center). The low stabilized dunes in Unit C may contain buried features and occupational strata but that potential is considered to be relatively low. AERC recommends that the development of the well pad be monitored by a qualified archaeologist in order to identify and properly mitigate any cultural strata, materials, or features that may be exposed during the construction phase. AERC does not recommend any further action relative to Units A and B since both portions of the site are well outside the development area and because previous vandalism has already seriously disturbed the primary rock shelter on the site in Unit B. The shallow shelter areas in Units A and B that may contain intact cultural strata and/or features are not readily discernible by most individuals, hence the potential for secondary impact in Units A and B is considered to be nominal and no further action is advised.

Site 42DC 766 consists of a 20 x 15 meter lithic scatter that is situated on the top of a low, stabilized dune that parallels the drainage channel on the north side of the road and the channel. The site contains a relatively sparse (32 items counted) scatter of secondary flakes which are predominantly Parachute Creek chert. The stabilized sand deposits in the site proper may possibly contain buried features. Temporal and cultural associations for this site are presently unknown; no diagnostic artifacts or exposed features were observed during the survey.

This site is a significant resource and has research potential qualifying under criterion d of Title 36 CFR 60.6.

Site 42DC 766 is situated within the ten acre survey parcel associated with Well Unit No. 23-5 but is not within the potential development zone. This site is not endangered by secondary impact, i.e. vehicle traffic or vandalism, since it is across the drainage channel from the road and the proposed well location and thus not adjacent to the development area. In addition, the site is not readily identifiable to potential collectors or vandals. For these reasons, AERC does not propose any mitigation recommendations relative to Site 42DC 766.

None of the previously recorded cultural sites in this project locality will be adversely affected by the proposed developments.

No isolated diagnostic artifacts were observed or collected during the survey.

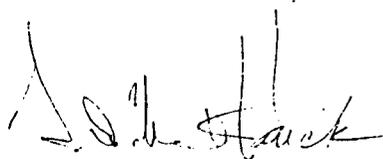
A single paleontologically sensitive locality was identified during this survey. This locality is associated with a partially exposed clay hill adjacent to the access route into Unit 14-5 (see Map 2). This low, clay mound which has the potential for containing intact turtle remains was flagged in red to facilitate avoidance during the road construction phase.

## CONCLUSION AND RECOMMENDATIONS

The development and maintenance of these seven locations will not have any adverse effect on the cultural resources in this locality including Sites 42DC 765 and 42DC 766 as long as the recommendations provided below are followed.

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. The initial development of Unit 13-8 should be monitored by a qualified archaeologist in order to insure the identification, recording, and proper mitigation of any buried cultural deposits, occupational strata, or features which could be adversely impacted during this construction phase.
2. Development of the access route into Unit 14-5 should avoid disturbing the red-flagged clay mound which may contain a sensitive paleontological deposit.
3. 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.
4. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
5. 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 development areas.



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.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation (AERC), Bountiful.

Polk, Michael

- 1982 Cultural resource inventory of NGC Well No. 12-8h. Report prepared by Sagebrush Archaeological Consultants, Ogden.

DEPARTMENT OF LAND MANAGEMENT  
 Bureau of Land Management  
 Utah State Office  
 (AERC FORMAT)

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

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

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

Summary Report of  
 Inspection for Cultural Resources

1. Report Title . . . . . C A S T L E P E A K D R A W 7 W E L L U N I T S

2. Development Company . . . . . BALCRON OIL CO. (14-15, 32-11, 21-17, 14-5, 22-5, 23-5, & 13-8)

3. Report Date . . . . . 1 1 27 1 9 9 2 . . . . . 4. Antiquities Permit No. . . . . . UT-92-54937

5. Responsible Institution . . . . . A E R C B L C R - 9 2 - 8 . . . . . County . . . . . Duchesne

6. Fieldwork

		0 9 S		1 6		1 1	1 5	
<u>7. Resource</u>	<u>Location:</u>	TWN . . . . .	RNG . . . . .	Section . . . . .				
	<u>Area</u>	TWN . . . . .	RNG . . . . .	Section . . . . .				
	<u>.D.M.</u>							

8. Description of Examination Procedures: The archeologist, Glade Hadden, acting under the direction of F.R. Hauck intensively examined seven 10 acre well parcels and associated access routes by walking a series of 10 to 20 meter-wide transects within the locations and along the flagged access centerlines.

<u>9. Linear Miles Surveyed</u>	. . . . . 1 . 3	<u>10. Inventory Type</u>	. . . . . I
and/or			
Definable Acres Surveyed	. . . . .	R = Reconnaissance	
and/or		I = Intensive	
Legally Undefinable	8 7 . 7 5	S = Statistical Sample	
Acres Surveyed	. . . . .		

11. Description of Findings: Two cultural resource sites were identified during the survey. Site 42DC 765 is a rock shelter/lithic scatter complex. Site 42DC 766 is a lithic scatter. Both sites are significant resources.

12. Number Sites Found .2. . . . . (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 & 11-3-92  
 Vernal District Office Records 11-3-92

---

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. The initial development of Unit 13-8 should be monitored by a qualified archaeologist in order to insure the identification, recording, and proper mitigation of any buried cultural deposits, occupational strata, or features which could be adversely impacted during this construction phase.
2. Development of the access route into Unit 14-5 should avoid disturbing the red-flagged clay mound which may contain a sensitive paleontological deposit.
3. 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.
4. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
5. 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 development areas.

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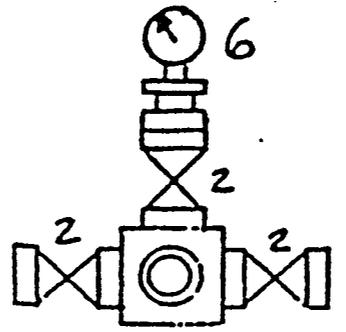
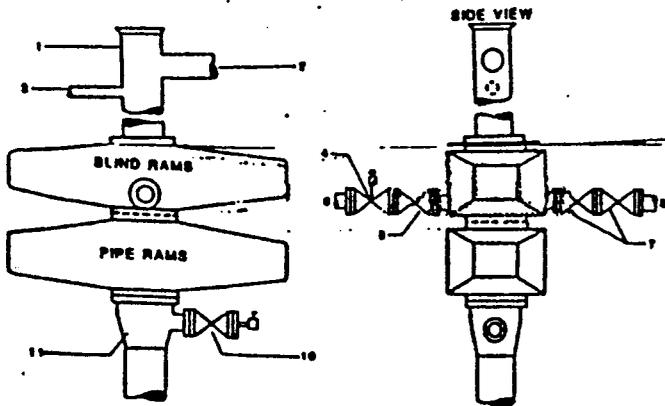
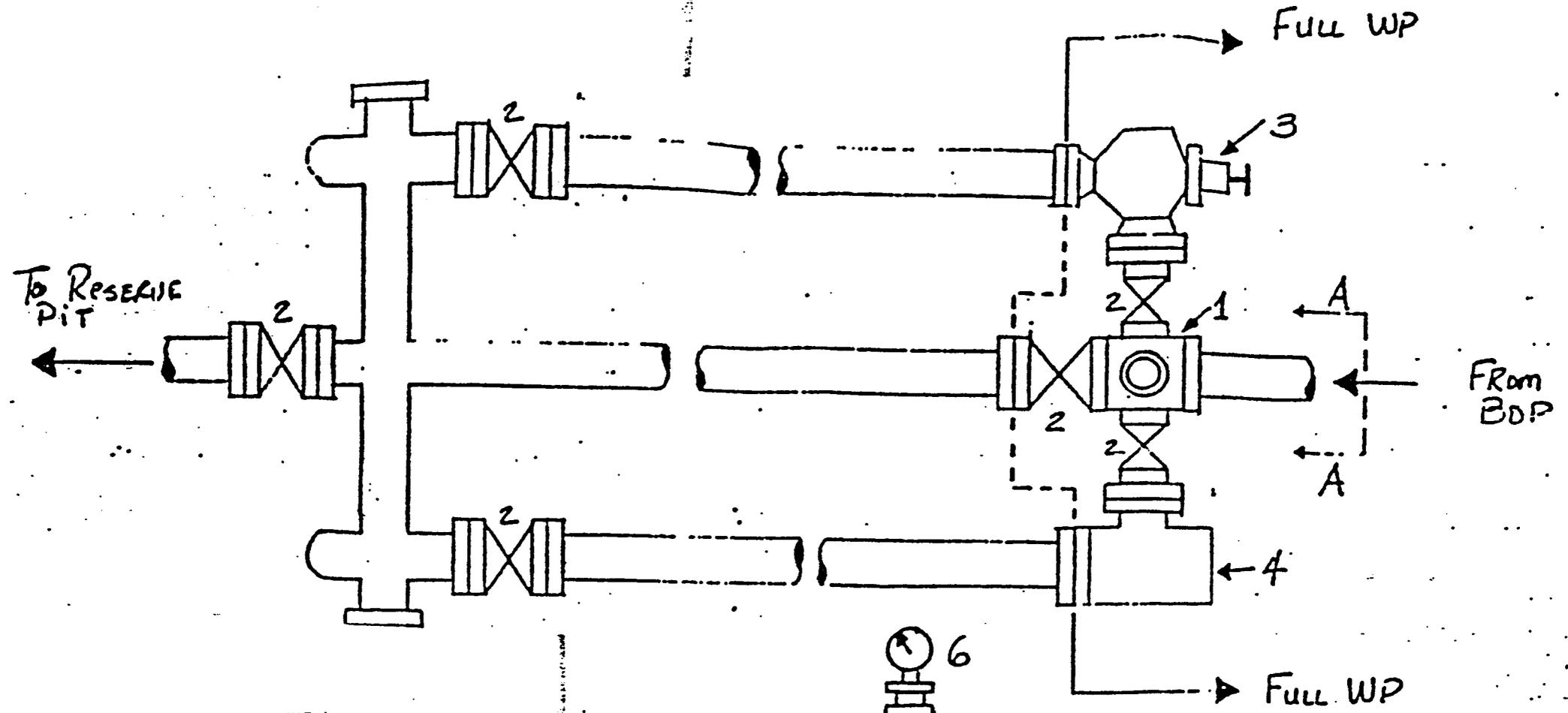
17. Signature of Administrator  
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field  
Supervisor

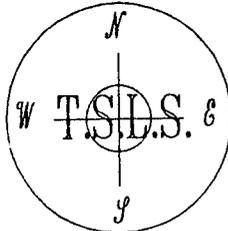
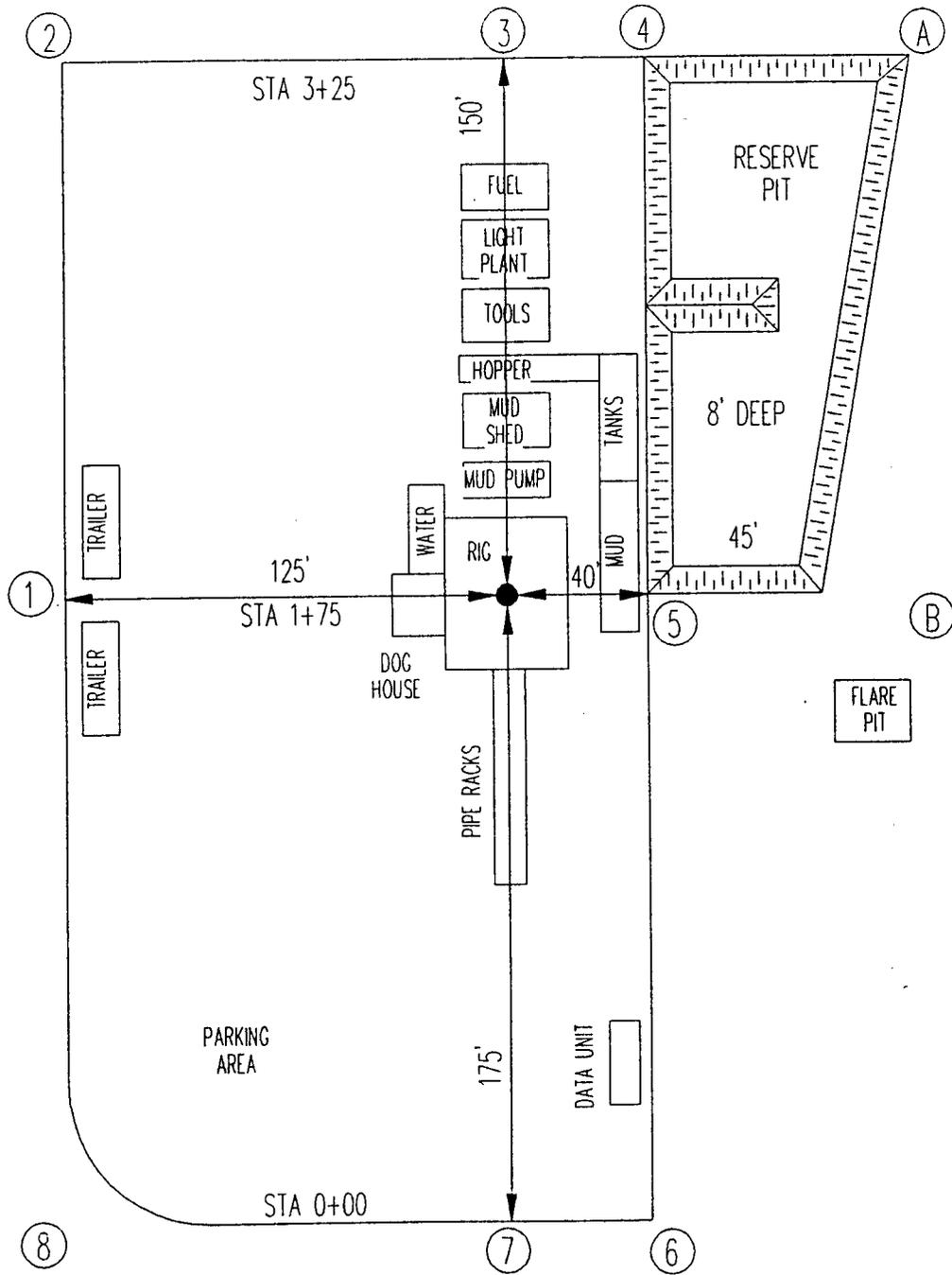
[Signature]  
[Signature]



- 1. Cross
- 2. Gate Valve
- 3. Adjustable Choke
- 4. Positive Choke
- 5. Welded Bull Plug, Lead Filled
- 6. 2" - 1000-psi mud pressure gauge

Note: All lines must be securely anchored.

# BALCRON MONUMENT FEDERAL WELL LAYOUT #23-5



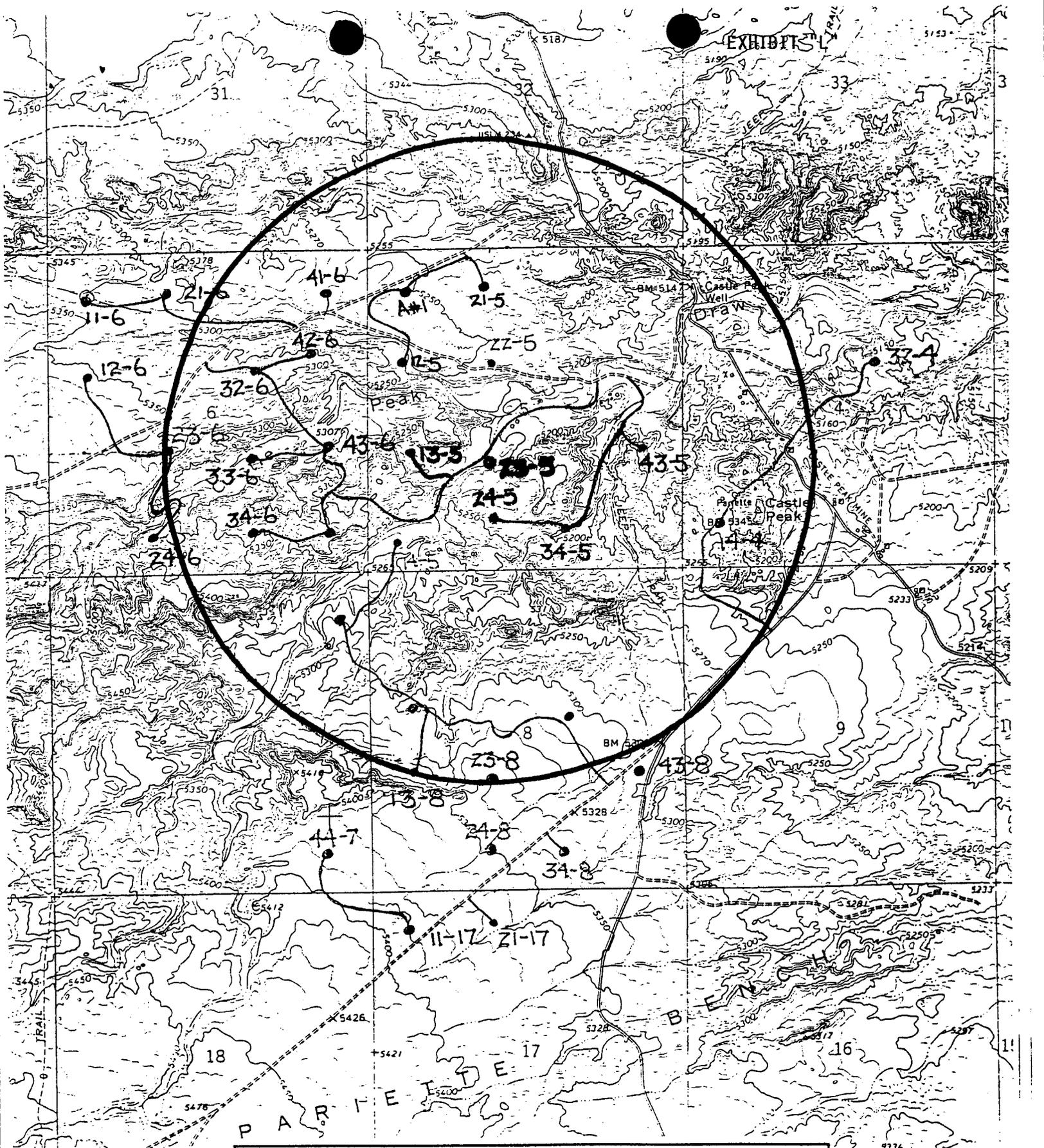
TRI-STATE LAND SURVEYING  
 P.O. BOX 533 VERNAL, UT. 84078  
 (801)781-2501

SCALE: 1" = 50'





EXHIBIT 1

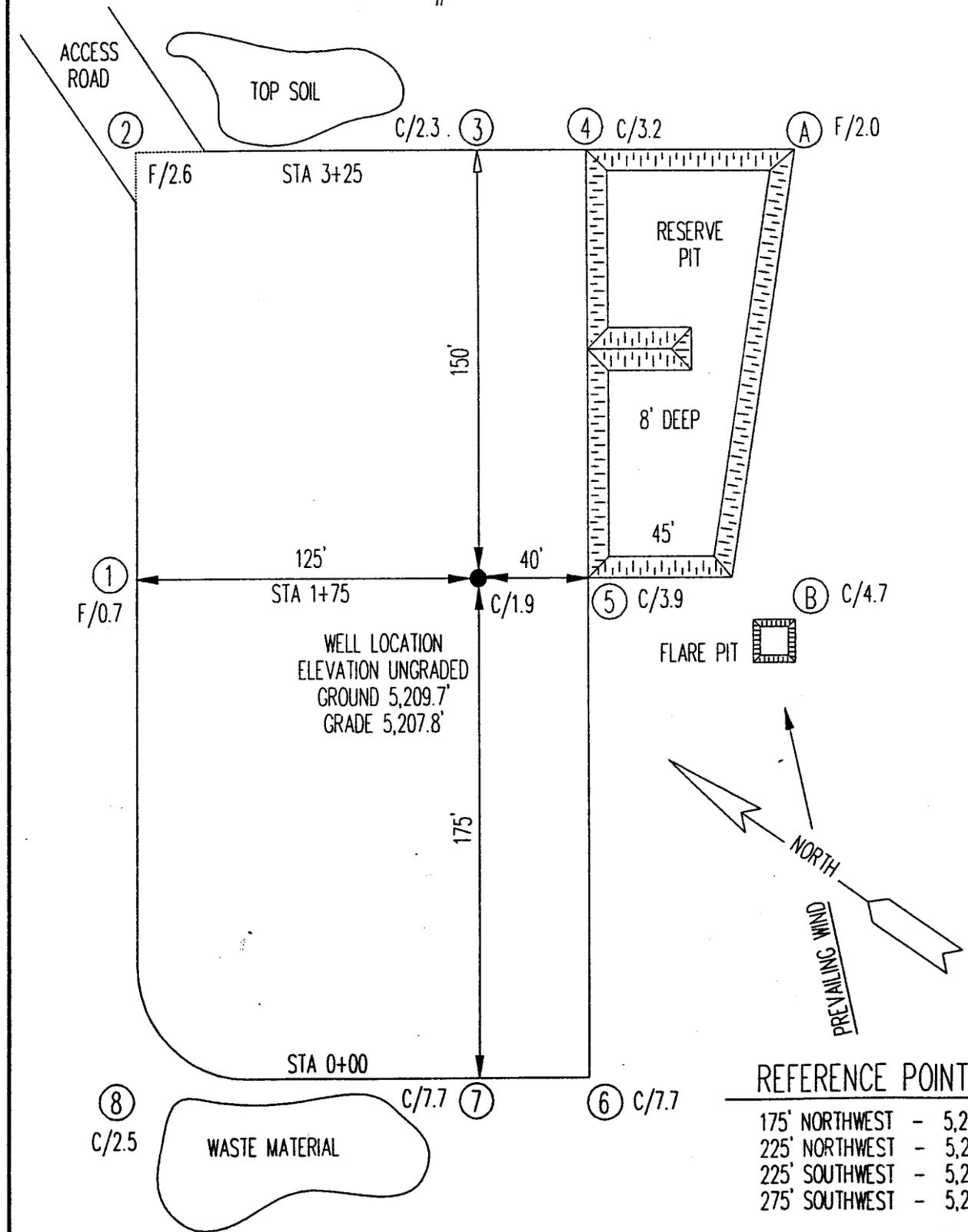


BALCRON MONUMENT FEDERAL  
MAP "C"

RECEIVED

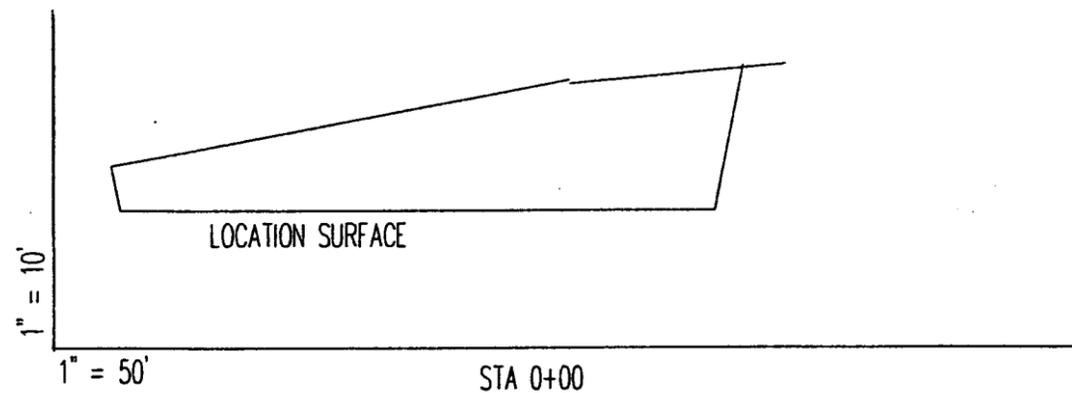
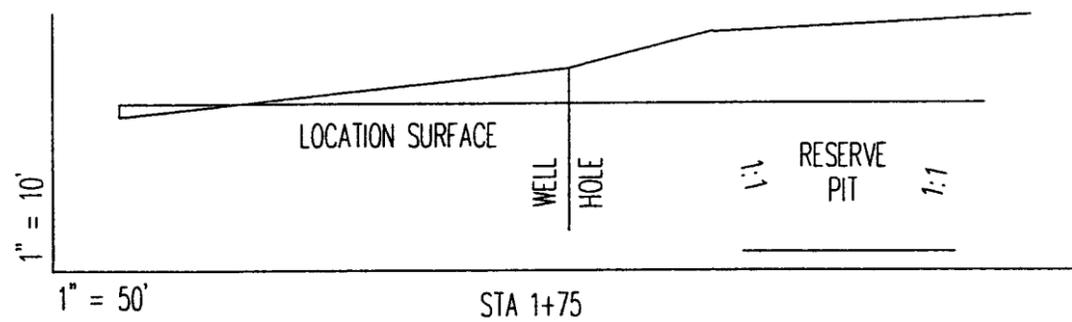
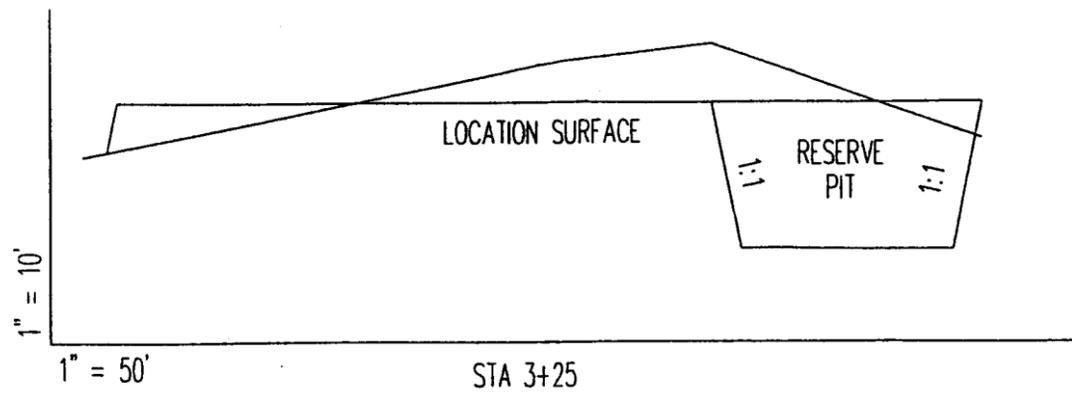
JAN 29 1993  
DIVISION OF OIL GAS & MINING

BALCRON MONUMENT FEDERAL  
WELL PLAT #23-5



REFERENCE POINTS

175' NORTHWEST	-	5,205.2'
225' NORTHWEST	-	5,205.3'
225' SOUTHWEST	-	5,216.8'
275' SOUTHWEST	-	5,210.3'



APPROXIMATE YARDAGE

CUT	=	5,774.1
FILL	=	320.7
PIT	=	2,977.8

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

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 01/29/93

OPERATOR: BALCRON OIL  
WELL NAME: BALCRON MONUMENT FED 23-5

OPERATOR ACCT NO: N- 9890

API NO. ASSIGNED: 43 - 013 - 31383

LEASE TYPE: FED LEASE NO: D.000050  
LOCATION: NESW 05 - T09S - R17E DUCHESNE COUNTY  
FIELD: MONUMENT BUTTE FIELD CODE: 105

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

COMMENTS: See add well within Sec 5.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STIPULATIONS: 1. Water Permit  
cc: Duchesne county assessor

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 11-12-94

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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 12, 1993

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

Gentlemen:

Re: Balcron Monument Federal 23-5 Well, 1815 feet from the south line, 2056 feet from the west line, NE 1/4 SW 1/4, Section 5, Township 9 South, Range 17 East, Duchesne County, Utah

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

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

1. Submittal to the division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.



Page 2  
Equitable Resources Energy Company  
Balcron Monument Federal 23-5 Well  
April 12, 1993

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

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

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31383.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

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

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  
 1815.8' FSL 2056.9' FWL  
 At proposed prod. zone  
 43-013-31383 AUG 24 1993

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 16.2 miles SW of Myton, Utah

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

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GL 5209.7'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D"	for details			

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING/CASING PROGRAM
- "E" EVIDENCE OF BOND COVERAGE
- "F" ARCHEOLOGY REPORT
- "G" SURVEY PLAT
- "H" BOPE SCHEMATIC
- "I" RIG LAYOUT
- "J" EXISTING ROADS (MAP A)
- "K" PLANNED ACCESS (MAP B)
- "L" EXISTING WELLS (MAP C)
- "M" CUT & FILL DIAGRAM

RECEIVED  
JAN 23 1993

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 Jan. 27, 1993  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY Jerry Keneigh TITLE Acting ASSISTANT DISTRICT MANAGER MINERALS DATE AUG 12 1993  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

## WELL LOCATION INFORMATION

Company/Operator: Equitable Resources Energy Company

API Number 43-013-31383

Well Name & Number: 23-5

Lease Number: U-020252

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

Surface Ownership: Federal

Date NOS Received October 1, 1993

Date APD Received January 29, 1993

## NOTIFICATION REQUIREMENTS

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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  $\pm$  2,866 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  $\pm$  2,666 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.

## Surface Use Plan of Operations

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

Fall seeding will be done between September 15 and when the ground freezes. Spring seeding will be done prior to April 15.

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

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

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

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

The requested emergency pit is hereby approved under NTL-2B, Section VI, subject to the following Conditions of Approval:

1. If emergency use occurs, the emergency pit shall be emptied and the liquids disposed of in accordance with applicable State and/or Federal regulations within 48 hours following its use, unless such time is extended by the authorized officer.
2. As much as practicable, the emergency pit shall be located on level ground, and away from drainage patterns and unstable ground.
3. The emergency pit shall be fenced and the fence maintained for safety and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for drilling reserve pits under Point 9E of the Multi-point Surface use and Operaiton Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
4. Produced water drain lines shall not go to the emergency pit.
5. The pit shall be bermed or otherwise constructed and maintained to prevent entrance of surface water.
6. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.
7. The pit shall be kept free of trash.

Balcron shall contract a Utah BLM certified Paleontologist to survey the location and access road prior to surface disturbance to determine the presence of paleontological resources. If historic, archaeological, or paleontological resources are uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

MINIMUM STANDARDS FOR DAMS IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

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

II. Borrow Areas

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

III. Core Trench and Dam Foundation

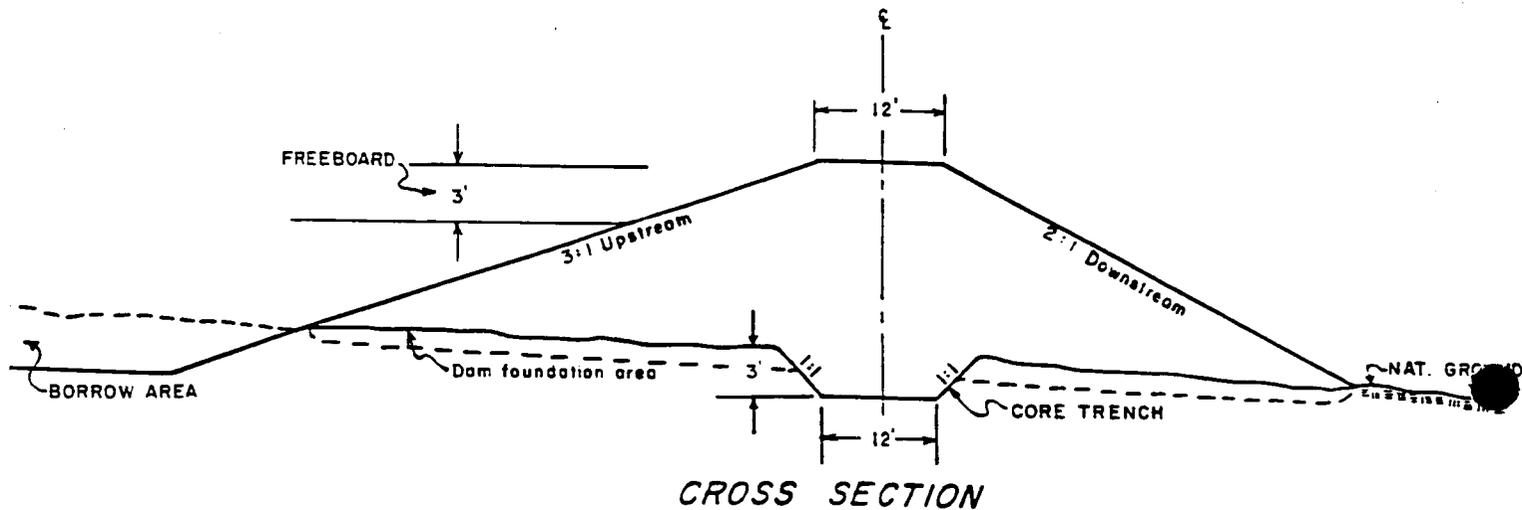
- A. A core trench shall be constructed 12 feet wide along the full length of the dam center line to a minimum depth of 3 feet or bedrock.
- B. Sides of the core trench shall be no steeper than 1:1 slope.

IV. Dam and Core Fill

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

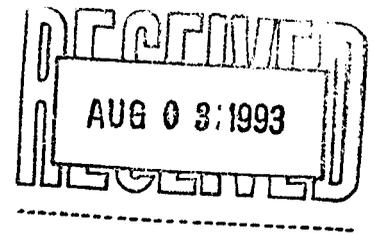
V. Spillway

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



excavate spillway  
to dimensions as  
taken in field

U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ <small>CHIEF, DIV. OF ENG.</small>
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET <u>  </u> OF <u>  </u>



BALCRON OIL

Balcron Monument Federal #23-5 *43-013-31383*

NE SW Section 5, T9S, R17E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

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

JULY 28, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #23-5

Description of Geology and Topography-

This well location is on the side of a side draw or canyon to Castle Peak Draw, 9 1/2 miles south and 1 1/2 miles east of Myton, Utah. Drainage is to the north-northeast. Elevation rises 60 to 70 feet at the side of the canyon.

The west side of the location is on valley alluvium. The east side is an outcrop of the Uinta formation with red-brown silt and clay interbedded with brown sandstone. Probably represents fluvial (stream) deposits.

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

Paleontological material found -

No fossil vertebrate material was found on the wellpad location or access road.

Archaeological material found -

A chopped-like item was noted approximately 59 yards east of the well center stake, 5 yards west of Pit corner "A".

Recommendations-

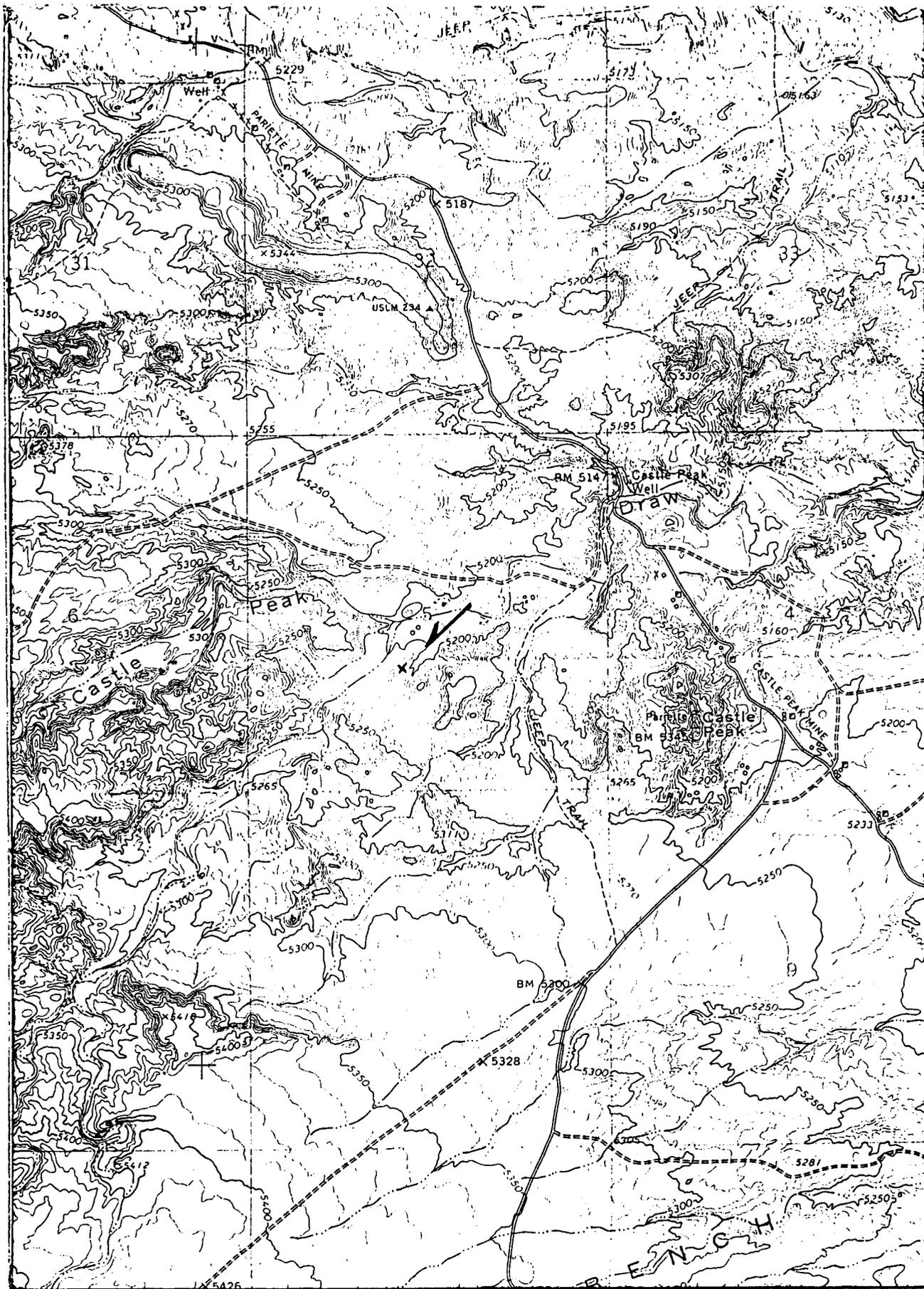
No other recommendations are made for this location.

Allen B. Hamblin

Date July 29, 1993

ISOLATED FIND RECORD					BLM/FS DISTRICT: Vernal, Utah/Diamond Mt.												
					PROJECT: Balcron Oil Monument Butte Fed. #23-5												
Map Ref.	USGS Quad	Myton SE, Utah			Scale	7.5	Min	Edition	1964								
E1/2	of	NE1/4	of	SW1/4	of Sectn	5	T	9S	R	17E	Meridn	SLB					
State: UTAH					County: UINTAH												
<u>ARCHAEOLOGICAL DATA</u>																	
Artifacts: Wedge shaped object which had flakes knocked off the wide edge. Appeared to be a chooper-like item.																	
Inferred function/description: 2.5 X 4 X.5 inches. Yellow and brown color.																	
Cultural affiliation: Fremont ?						Time period: ?											
IF Dimensions:																	
<u>ENVIRONMENTAL DATA</u>																	
Elevation: 5209 ft				m		Slope:			Aspect:								
Topography: This well location is on the side of a side draw or canyon to Castle Peak Draw, 9 1/2 miles south and 1 1/2 miles east of Myton, Utah. Drainage is to the north-northeast. Elevation rises 60 to 70 feet at the side of the canyon. The west side of the location is on valley alluvium. The east side is an outcrop of the Uinta formation with red-brown silt and clay interbedded with brown sandstone. Probably represents fluvial (stream) deposits.																	
Vegetation community: Sagebrush and greesewood																	
Nearest water: During spring runoff or when rainy, Castle Peak Draw.																	
Distance - 1/8 mile						Direction - north											
Nearest permanent water: Duchesne River ?																	
Distance - 12 miles						Direction - north											
Other:																	
Surface Collection <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, attach list)																	
Methodology:																	
Photo <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																	
File location: Alden H. Hamblin																	
Remarks: Located approximately 59 yards east, East of well center stake, 5 yards west of Pit corner "A".																	
10.Owner: Private		State		BLM		X		US FS		NPS		IND		MIL		OTHR	
Recorded by: Alden H. Hamblin							Date: July 24, 1993										

ATTACH A PHOTOCOPY OF USGS QUAD MAP SHOWING SITE OR ISOLATED FIND CLEARLY



ISOLATED FIND SE, NE, SW, Sec 5, T9S, R17E, Myton SE, Utah Quad.  
Balcron Oil Monument Fed #23-5

Equitable Resources Energy Company,  
OPERATOR Balcron Oil Division

OPERATOR ACCT. NO. N 9890

ADDRESS P.O. Box 21017  
Billings, MT 59104

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11519	43-013-31383	Balcron Monument Federal #23-5	NE SW	5	9S	17E	Duchesne	9/2/93	9/3/93
WELL 1 COMMENTS: Entity added 9-8-93 <i>fec</i> Spud of new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

DATE: 9-2-93

*Dobbie Schuman*  
Signature  
Coordinator of Environmental  
and Regulatory Affairs  
Title \_\_\_\_\_ Date \_\_\_\_\_

Phone No. (406) 259-7860

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 X Jonah Unit

8. Well Name and No.

Balcron Monument Federal #23-5

9. API Well No.

43-013-31383

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 Balcron Oil Division

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE SW Section 5, T9S, R17E 1815.8' FSL, 2056.9' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>spud of well</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 spud at 9:45 a.m. 9/2/93 with Leon Ross Drilling.

RECEIVED

SEP 03 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date September 2, 1993  
(This space for Federal or State office use)

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

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

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. #23-5

9. API Well No.

43-013-31383

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

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

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

NE SW Section 5, T9S, R17E 1815.8' FSL, 2056.9' FWL

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Replacement rig for  
 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.)

Completion

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.)\*

We will be using Cannon Well Service Rig #1 as a completion rig on this well.

SEP 27 1993

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

Signed

*Dorlie Schuman*

Coordinator of Environmental

Title Regulatory Affairs

Date September 23, 1993

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side

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

CONFIDENTIAL

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

8. Well Name and No.

Balcron Monument Federal #23-5

9. API Well No.

43-013-31383

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY Balcron Oil Division

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE SW Section 5, T9S, R17E 1815.8' FSL, 2056.9' 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Report of first production.</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

First production on this well was 10-12-93.

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

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

Coordinator of Environmental  
and Regulatory Affairs

Date October 15, 1993

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

Title \_\_\_\_\_ Date \_\_\_\_\_

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

\*See Instruction on Reverse Side



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

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

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

November 9, 1993

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

Gentlemen:

RE: Balcron Monument Federal #23-5  
NE SW Section 5, T9S, R17E  
Duchesne County, Utah

Enclosed are the following items for the referenced well:

Well Completion Report  
Site Security Diagram (Sundry Notice)  
NTL2B Disposition of Produced Water (Sundry Notice)

Sincerely,

Molly Conrad  
Operations Secretary

/mc

Enclosures

cc: Utah Division of Oil, Gas and Mining: Also  
enclosed is the Report of Water Encountered (Utah  
Form 7)

RECEIVED

NOV 12 1993

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT DUP TE\*

1. Other instructions on reverse side

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. RESERV.  Other \_\_\_\_\_

**CONFIDENTIAL**

2. NAME OF OPERATOR  
Equitable Resources Energy Company, Rulcran Oil Division  
 3. ADDRESS OF OPERATOR  
P.O. Box 21017, Billings MT (406)259-7860  
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 1815.8' FSL, 2056.9' FWL  
 At top prod. interval reported below  
 At total depth

5. LEASE DESIGNATION AND SERIAL NO. U-020252 **44**  
 6. IF INDIAN, ALLOTTEE OR TRIBAL n/a  
 7. UNIT AGREEMENT NAME Jonah Unit  
 8. FARM OR LEASE NAME Rulcran Monument Federal  
 9. WELL NO. #23-5  
 10. FIELD AND POOL, OR WILDCAT Monument Butte /Green River  
 11. SEC. T., R., N., OR BLOCK AND 5 OR AREA NE SW Section 5, 19S, RL7  
 12. COUNTY OR PARISH Duchesne  
 13. STATE UTAH

14. PERMIT NO. 43-013-31383 DATE ISSUED 4-12-93  
 15. DATE SPUNDED 9-11-93 16. DATE T.D. REACHED 9-19-93 17. DATE COMPL. (Ready to prod.) 10-12-93 18. ELEVATIONS (DV, HKB, RT, GR, ETC.)\* 5209.7'  
 19. ELEV. CASING/INSTRUMENT n/a  
 20. TOTAL DEPTH, MD & TVD '5800' 21. FLUG, BACK T.D., MD & TVD 5725.01' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY ROTARY TOOLS Sfc -'110 CABLE TOOL  
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4623'-5510' Green River 25. WAS DIRECT SURVEY MADE n/a  
 26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-MSFL-FDC-QNL-GR 27. WAS WELL CORRECTED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FUL
8-5/8"	24#	283.3'	12-1/4"	150 sxs "G" + additives	n/a
5-1/2"	15.5#	5772.57'	7-7/8"	154 sxs Thrifty Lite and 258 sxs 50-50 POZ	n/a

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
n/a					SIZE 2-7/8" DEPTH SET (MD) 5592.37' KB PACKER SET (MD) n/a

31. PERFORATION RECORD (Interval, size and number)

5492'-5510'	(2 SPT)
5102'-5106'	(2 SPT)
5085'-5089'	(2 SPT)
4623'-4632'	(2 SPT)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5492'-5510'	45,000# 20/40 sand in 530 bbls g wtr.
5085'-5106'	20,000# 20/40 in 288 bbls gelled
4623'-4632'	22,500# 20/40 in 290 bbls gelled

33. PRODUCTION

DATE FIRST PRODUCTION 10-12-93 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump - 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKS SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-16-92	24	n/a	→	80	48	10	600

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (COR)
n/a	n/a	→	80	48	10	34

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

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 11-8-93  
 Bobbie Schuman

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

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

41

WELL NAME: Balcron Monument Federal #23-5J  
 FIELD: Monument Butte/Jonah Unit  
 FEDERAL LEASE NO.: #U-020252  
 LOCATION: NE SW Sec.5,T9S,R17E  
 COUNTY/STATE: Duchesne County,Utah  
 WORKING INTEREST: 0.79942652  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 10-12-93  
 INITIAL PRODUCTION: 80 STBOPD, 48 MCFPD, 10 STBWPD  
 OIL/GAS PURCHASER: Amoco/Universal Resources  
 PRESENT PROD STATUS: 10 STBOPD, 0 MCFPD, 0 STBWPD  
 ELEVATIONS - GROUND: 5208'  
 TOTAL DEPTH: 5800' KB

DATE: 2-18-94 lac  
 API NO.: 43-013-31383

NET REVENUE INT.: 0.72981781 Oil  
 0.65881769 Gas  
 SPUD DATE: 9-11-93  
 OIL GRAVITY: 34 API  
 BHT: 135 Deg.F  
 KB: 5221' (13' KB)  
 PLUG BACK TD: 5725' KB

**SURFACE CASING**

STRING: 1  
 CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs.  
 LENGTH: 6 jts @ 271.60'  
 DEPTH LANDED: 283.30' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150 sxs Class "G"  
 Cement to surface

**PRODUCTION CASING**

STRING: 1  
 SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 lbs.  
 LENGTH: 134 jts @ 5760.57'  
 DEPTH LANDED: 5773.57' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 154 sxs Thrifty lite &  
 258 sxs 50-50 POZ  
 CEMENT TOP AT: 2910' KB from CBL

**TUBING RECORD**

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs.  
 NO. OF JOINTS: 180 jts @ 5543.28'  
 TUBING ANCHOR: None  
 NO. OF JOINTS: NA  
 SEATING NIPPLE: 2 7/8" x 1.1'  
 PERF. SUB: 2 7/8" x 3'  
 MUD ANCHOR: 2 7/8" x 32'  
 TOTAL STRING LENGTH: 5579.37'  
 SN LANDED AT: 5557.38' KB

**PERFORATION RECORD**

4623'-4632' (9') 2 SPF  
 5085'-5089' (4') 2 SPF  
 5102'-5106' (4') 2 SPF  
 5492'-5510' (18') 2 SPF

**ACID JOB**

4623'-4632', Initial break 3600 psi, 5 BPM,  
 back to 1525 psi. Start 2 balls/bbl, 8 BPM,  
 2300 psi, 4 BPM. Ball off, surge ball off,  
 Pump for rate 9 BPM @ 3000 psi, ISIP @ 1400 psi.  
 5085'-5106', Initial break 3200 psi back to  
 12 BPM @ 1.5, start balls 2/bbl. ISIP @  
 1350 psi, no ball off. Pump for rate  
 6 BPM @ 2500 psi, ISIP @ 1450 psi.  
 5492'-5510', Initial break 3800 psi, back  
 to 1500 psi. 3 BPm Avg 2000 psi. Start balls,  
 2 balls/bbl, 6 BPM, balls on perms, 4 BPM,  
 avg 1790 psi, no ball off. Surge balls back,  
 pump for rate 5.6 BPM @ 2500 psi, ISIP @  
 1750psi.

**SUCKER ROD RECORD**

1 - 1 1/4" x 16' Polished Rod  
 1 - 3/4" x 4' Pony  
 221 - 3/4" x 25' Plain Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC  
 B-H&H, P-PA 40 Rings,  
 B-SS, S- Carbide  
 STROKE LENGTH: 70"  
 PUMP SPEED, SPM: 6.5  
 PUMPING UNIT SIZE:  
 PRIME MOVER:

LOGS: Dual Laterolog, Cement Bond Log,  
 Compensated Neutron-Litho-Density,  
 Gamma Ray, Micro Spherically  
 Focused Log

**FRAC JOB**

\*\*\*SEE NEXT PAGE\*\*\*

Balcron Monument Federal #23-5J  
Monument Butte/Jonah Unit  
#U-020252  
NE SW Sec.5,T9S,R17E  
Duchesne County,Utah

FRAC JOB

---

4623'-4632', Frac w/Halliburton on 9-30-93.  
12,180 gals gelled water w/22,500 lbs. 20-40  
sand. Avg 23 BPM @ 1900 psi, Max 24 BPM @  
2030 psi. ISIP @ 1813 psi, 5 min @ 1676 psi,  
10 min @ 1610 psi, 15 min @ 1564 psi.

5085'-5106', Frac w/Halliburton on 9-30-93.  
12,096 gals gelled water w/20,000 lbs 20-40  
sand. Avg 22 BPM @ 2380 psi, Max 23 BPM  
@ 2410 psi. ISIP @ 2030 psi, 5 min @ 1891  
psi, 10 min @ 1787 psi, 15 min @ 1721 psi.

5492'-5510', Frac w/Halliburton on 9-27-93.  
22,2260 gals gelled water w/45,000# 20-40  
sand. Avg 35 BPM @ 1850 psi. ISIP @ 1794  
psi, 5 min @ 1678 psi, 10 min @ 1613 psi.

BALCRON MONUMENT FEDERAL #23-5J  
MONUMENT BUTTE/JONAH UNIT  
Lease No. #U-020252  
NE SW SEC.5,T9S,R17E  
DUCHESNE COUNTY, UTAH

Wellbore Diagram

BALCRON OIL  
2-18-94 lac

SURFACE CASING

8 5/8", J-55, 24#  
Six joints @ 271.60'  
Landed @ 283.30' KB  
Hole Size @ 12 1/4"  
Cemented w/150 sxs Class "G"  
Cement to surface

PRODUCTION CASING

5 1/2", J-55, 15.5#  
134 joints @ 5760.57'  
Landed @ 5773.57' KB  
Hole Size @ 7 7/8"  
Cemented w/154 sxs Thrifty lite &  
258 sxs 50-50 POZ  
Cement Top @ 2910' KB from CBL

TUBING

2 7/8", J-55, 6.5#  
180 jts @ 5543.28'  
SN @ 2 7/8" x 1.1'  
Perf Sub @ 2 7/8" x 3'  
Mud Anchor @ 2 7/8" x 32'  
Total String Length @ 5579.37'  
SN Landed @ 5557.38' KB

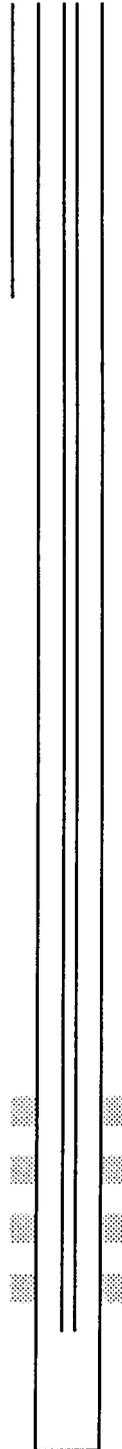
SUCKER ROD

1 - 1 1/4" x 16' Polished Rod  
1 - 3/4" x 4' Pony  
221 - 3/4" x 25' Plain Rods

PUMP SIZE: 2 1/2"x 1 1/2"x 16' RHAC  
B-H&H, P-PA 40 Rings,  
B-SS, S- Carbide

STROKE LENGTH: 70"  
PUMP SPEED, SPM: 6.5  
PUMPING UNIT SIZE:  
PRIME MOVER:

LOGS: DLL-MSFL-FDC-CNL-GR



ACID JOB

4623'-4632', Initial break 3600 psi, 5 BPM,  
back to 1525 psi. Start 2 balls/bbl, 8 BPM,  
2300 psi, 4 BPM. Ball off, surge ball off,  
Pump for rate 9 BPM @ 3000 psi, ISIP @ 1400 psi.  
5085'-5106', Initial break 3200 psi back to  
12 BPM @ 1.5, start balls 2/bbl. ISIP @  
1350 psi, no ball off. Pump for rate  
6 BPM @ 2500 psi, ISIP @ 1450 psi.  
5492'-5510', Initial break 3800 psi, back  
to 1500 psi. 3 Bpm Avg 2000 psi. Start balls,  
2 balls/bbl, 6 BPM, balls on perms, 4 BPM,  
avg 1790 psi, no ball off. Surge balls back,  
pump for rate 5.6 BPM @ 2500 psi, ISIP @  
1750psi.

FRAC JOB

4623'-4632', Frac w/Halliburton on 9-30-93.  
12,180 gals gelled water w/22,500 lbs. 20-40  
sand. Avg 23 BPM @ 1900 psi, Max 24 BPM @  
2030 psi. ISIP @ 1813 psi, 5 min @ 1676 psi,  
10 min @ 1610 psi, 15 min @ 1564 psi.  
5085'-5106', Frac w/Halliburton on 9-30-93.  
12,096 gals gelled water w/20,000 lbs 20-40  
sand. Avg 22 BPM @ 2380 psi, Max 23 BPM  
@ 2410 psi. ISIP @ 2030 psi, 5 min @ 1891  
psi, 10 min @ 1787 psi, 15 min @ 1721 psi.  
5492'-5510', Frac w/Halliburton on 9-27-93.  
22,2260 gals gelled water w/45,000# 20-40  
sand. Avg 35 BPM @ 1850 psi. ISIP @ 1794  
psi, 5 min @ 1678 psi, 10 min @ 1613 psi.

PERFORATION RECORD

4623'-4632' (9') 2 SPF  
5085'-5089' (4') 2 SPF  
5102'-5106' (4') 2 SPF  
5492'-5510' (18') 2 SPF

PBTD @ 5725' KB

TD @ 5800' KB

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-020252

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

Jonah Unit

8. FARM OR LEASE NAME

Ralcon Monument Federal

9. WELL NO.

#23-5

10. FIELD AND POOL, OR WILDCAT

Monument Butte /Green River

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

NE SW Section 5, T9S, R17E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UTAH

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. RESRV.  Other

**CONFIDENTIAL**

2. NAME OF OPERATOR

Equitable Resources Energy Company, Ralcon Oil Division

3. ADDRESS OF OPERATOR

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

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

At surface 1815.8' FSL, 2056.9' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-013-31383

DATE ISSUED

4-12-93

15. DATE SPUNDED

9-11-93

16. DATE T.D. REACHED

9-19-93

17. DATE COMPL. (Ready to prod.)

10-12-93

18. ELEVATION (DF, RKB, RT, GR, ETC.)\*

5209.7'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5800'

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

5725.01'

22. IF MULTIPLE COMPL., HOW MANY\*

n/a

23. INTERVALS DRILLED BY

Sfc - ID

ROTARY TOOLS

CABLE TOOLS

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

4623'-5510' Green River

25. WAS DIRECTIONAL SURVEY MADE

n/a

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-MSFL-FDC-CNL-GR mud log 9-22-93

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#	283.3'	12-1/4"	150 sxs "G" + additives	n/a
5-1/2"	15.5#	5772.57'	7-7/8"	154 sxs Thrifty Lite and 258 sxs 50-50 POZ	n/a

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5592.37' KB	n/a

31. PERFORATION RECORD (Interval, size and number)

5492'-5510' (2 SPF)  
5102'-5106' (2 SPF)  
5085'-5089' (2 SPF)  
4623'-4632' (2 SPF)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5492'-5510'	45,000# 20/40 sand in 530 bbls gelled wtr.
5085'-5106'	20,000# 20/40 in 288 bbls gelled wtr.
4623'-4632'	22,500# 20/40 in 290 bbls gelled wtr.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
10-12-93	Pump - 1-1/2" Insert Pump	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-16-93	24	n/a	→	80	48	10	600
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	80	48	10	34	

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

Used for fuel.

TEST WITNESSED BY

Dale Griffin

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 Robbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs

DATE 11-8-93

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



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 Federal #23-5  
9. API Well No.  
43-013-31383

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 Balcron Oil Division

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE SW Section 5, T9S, R17E 1815.8' FSL, 2056.9' 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>Site Security Diagram</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Attached is the Site Security Diagram for this well.

**RECEIVED**

NOV 12 1993

**CONFIDENTIAL**  
DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Bobbe Schuman Title Coordinator of Environmental and Regulatory Affairs Date 11-1-93  
(This space for Federal or State Office use)

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

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

\*See Instruction on Reverse Side

**Equitable Resources Energy Company  
Balcron Monument Federal 23-5  
Production Facility Diagram**

Balcron Monument Federal 23-5  
NE SW Sec. 5, T9S, R17E  
Duchesne County, Utah  
Federal Lease #U-020252  
1816' FSL, 2057' FWL



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

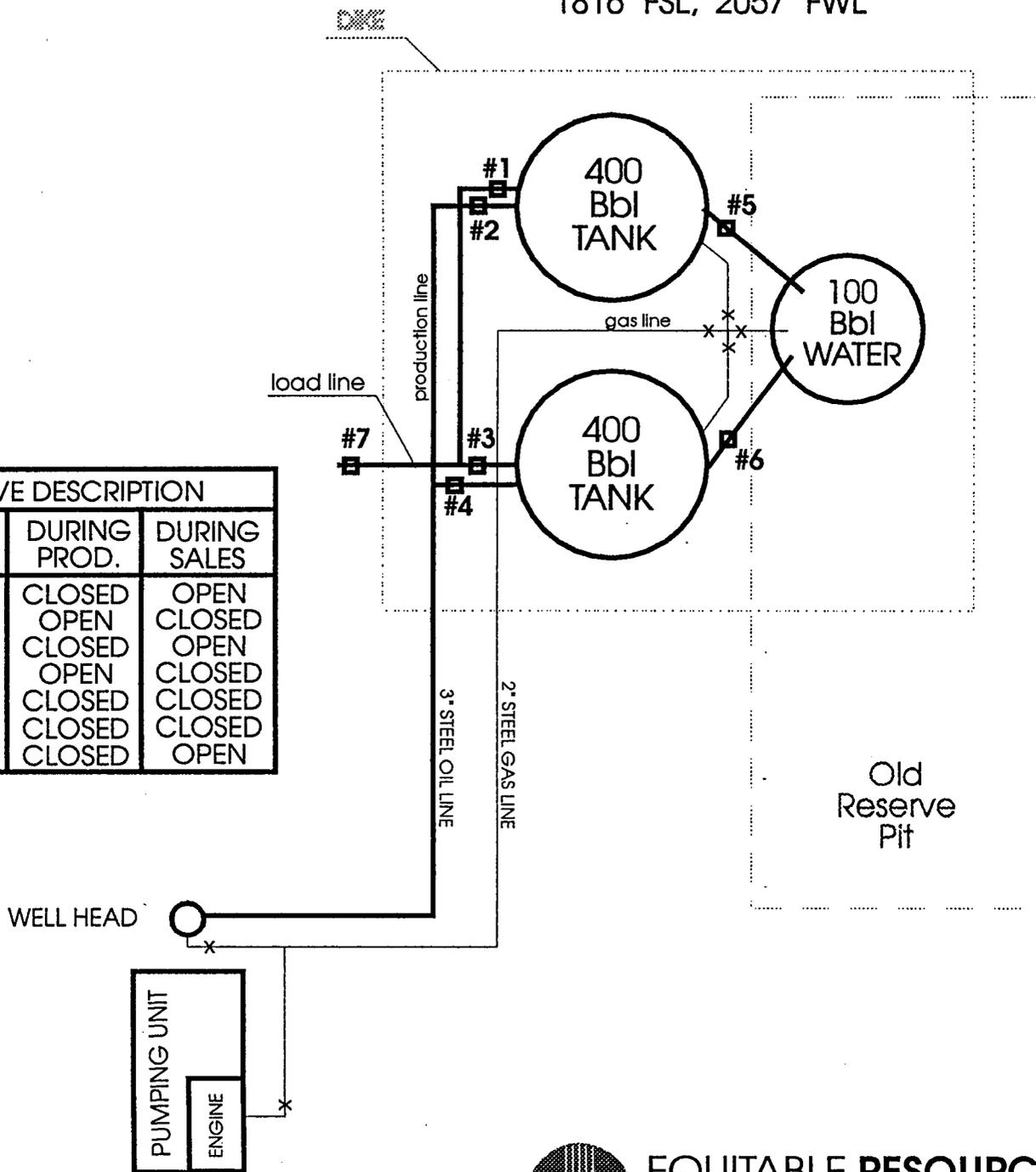


DIAGRAM NOT TO SCALE



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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-020252
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104      (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE SW Section 5, T9S, R17E      1815.8' FSL, 2056.9' FWL	8. Well Name and No. Balcron Monument Federal #23-5
	9. API Well No. 43-013-31383
	10. Field and Pool, or Exploratory Area Monument Butte/ Green River
	11. County or Parish, State Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>NIL2B</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 sundry notice is to be considered as our NIL2B (Disposition of Produced Water) for this well.

Any water produced by this well will be held in a produced water tank and then hauled to a commercial disposal facility. See Site Security Diagram for location of water tank.



NOV 12 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
 Signed Dobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 11-8-93  
(This space for Federal or State office use)

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

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

\*See Instruction on Reverse Side

RECEIVED

NOV 12 1993

DIVISION OF OIL, GAS & MINING

1. Well name and number: Balcon Monument Federal #23-5  
 API number: 43-013-31383
2. Well location: QQ NE SW section 5 township 9S range 17E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division  
 Address: P.O. Box 21017 phone: (406) 259-7860  
Billings, MT 59104
4. Drilling contractor: Molen Drilling  
 Address: P.O. Box 2222 phone: (406) 248-9418  
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 water encountered.	

6. Formation tops: See Geological Report.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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 and Date 11-8-93  
Regulatory Affairs

Comments:

ENTITY ACTION FORM - FORM 6

ADDRESS \_\_\_\_\_

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	11519	11492	43-013-31303	MONUMENT FED 23-5	NESW	5	9S	17E	DUCHESNE	9-2-93	9-2-93
WELL 1 COMMENTS: *JONAH UNIT											
C	11527	11492	43-013-31367	MONUMENT FED 41-15	NENE	15	9S	16E	DUCHESNE	9-22-93	9-22-93
WELL 2 COMMENTS: *JONAH UNIT											
C	11572	11492	43-013-31404	MONUMENT FED 42-1J	SENE	1	9S	16E	DUCHESNE	10-19-93	10-19-93
WELL 3 COMMENTS: *JONAH UNIT											
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.

L. CORDOVA (DOGM)  
Signature  
ADMIN. ANALYST  
Title  
11-18-93  
Date  
Phone No. ( )

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 01 1993

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

DIVISION OF  
OIL, GAS & MINING

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 Federal #23-5

9. API Well No.  
43-013-31383

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 Balcron Oil Division

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE SW Section 5, T9S, R17E 1815.8' FSL, 2056.9' 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

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

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date November 30, 1993  
(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any: Federal Approval of this Operation is Necessary

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining

Date: 12-3-93

By: [Signature]

\*See Instruction on Reverse Side

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

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-5J

Location: NE SW Section 5, T9S, R17E

Duchesne County, Utah

1815.8' FSL, 2056.9' FWL

PTD: 5700' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5209.7' GL

Contractor: Molen Drilling Rig #1

Operator: Balcron/EREC

Spud: 9-2-93 @ 10 a.m.

Casing: 8-5/8" @ 283.3'

5-1/2" @ 5772.57'

Tubing: 2-7/8" @ 5592.37' KB

8-27/9-1-93 Build and finish location

9-2-93 MIRU Leon Ross Air Drilling &amp; drill to 275'.

9-3-93 Run 6 jts 8-5/8" csg &amp; cmt as follows:

Guide Shoe .70

1 jt 8-5/8" 24# J-55 csg 45.30

Insert Float -----

5 jts 8-5/8" 24# J-55 csg 226.30

Set @ GL 270.30

Molen Drilling KB (13') 283.30' KB

Cmt'd by Western 150 sxs Class "G" w/2% CCl &amp; 1/4#/sx Celoflake.

Good circ, get 5 bbls cmt back. Plug down 12:30 noon 9-3-93.

DC: \$300 CC: \$26,307

9-11-93 TD: 594' (311') Day 1

Formation: Uintah

MW 8.4 VIS 26

Present Operation: Drilling

MIRU, NP &amp; test BOP &amp; csg. Test BOP &amp; manifold to 2000# - OK. Test

csg to 1500# - OK. PU collars &amp; drill cmt, survey &amp; drill ahead.

DC: \$4,620 CC: \$30,927

9-12-93 TD: 1,840' (1,246') Day 2

Formation: Green River

MW 8 VIS 26

Present Operation: Drilling

Drill, survey, clean &amp; paint &amp; level derrick.

DC: \$15,050 CC: \$45,977

9-13-93 TD: 2,790' (950') Day 3

Formation: Green River

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, clean &amp; paint.

DC: \$11,688 CC: \$57,665

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-5J

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

9-14-93 TD: 3,470' (680') Day 4  
 Formation: Green River  
 MW 8.4 VIS 26  
 Present Operation: Drilling  
 Drill, survey, clean & unload one load of 5-1/2" csg.  
 DC: \$10,507 CC: \$68,172

9-15-93 TD: 4,010' (540') Day 5  
 Formation: Green River  
 MW 8.4 VIS 26  
 Present Operation: Drilling  
 Drill, survey, trip for bit #2 & drill ahead. Floor hand was  
 putting carbide pouch in drill pipe & it exploded & got in his  
 eyes.  
 DC: \$7,673 CC: \$75,845

9-16-93 TD: 4,649' (639') Day 6  
 Formation: Green River  
 MW 8.4 VIS 27  
 Present Operation: Drilling  
 Drill, survey, clean & paint. Unload the rest of 5-1/2" csg.  
 DC: \$8,414 CC: \$84,259

9-17-93 TD: 5,215' (566') Day 7  
 Formation: Green River  
 MW 8.4 VIS 26  
 Present Operation: Drilling  
 Drill, survey, clean & paint. Watered all roads very lite "rain".  
 DC: \$8,885 CC: \$93,144

9-18-93 TD: 5,800' (585') Day 8  
 Formation: Green River  
 MW 8.4 VIS 26  
 Present Operation: Circ for logs.  
 Drill, survey, grill steaks & circ for logs. TD reached @ 4:45  
 a.m. 9-18-93  
 DC: \$7,882 CC: \$101,026

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-5J

Location: NE SW Section 5, T9S, R17E

Duchesne County, Utah

- 9-19-93 TD: 5,800' (0') Day 9  
 Formation: Green River  
 Present Operation: Cmt'g  
 Circ, TOH for logs. Log well, TIH & circ. LD drill pipe & collars. Run 5-1/2" csg & cmt w/Western as follows:  
 Guide Shoe .70'  
 1 jt 5-1/2 15.5# K-55 shoe jt 44.41'  
 Float collar 2.45'  
 133 jts 5-1/2" 15.5# K-55 5713.01'  
 Landing Jt 12.00  
 Set at 5772.57'  
 PBTB - 5725.01 (20 centralizers)  
 Cmt'd by Western w/154 sxs Thrifty lite & tail w/258 sxs 50-50 POZ.  
 Plug dow 6 a.m. 9-19-93, release rig @ 10 a.m. 9-19-93.  
 DC: \$60,480 CC: \$161,506
- 9-20-93 TD: 5,800' (0') Day 10  
 Present Operation: RDMO  
 ND BOP, set slips, clean mud tanks. RDMO.  
 DC: \$1,100 CC: \$162,606
- 9-22-93 Completion  
 MIRU Cannon Well Service Rig #1. NU wellhead, NU BOP. Tally in hole w/4-3/4" drag bit, 5-1/2" csg scraper, & 186 jts 2-7/8" EUE J-55 8RD 6.5# tbg, tag PBTB @ 5726' KB. Circ well clean w/2% KCL wtr. Pressure test BOP & csg 1000 psig, held good 15 min. TOOH w/tbg & tools. RU Cutter Wireline to do bond log from PBTB to cmt top. RD Cutter.  
 SDFN.  
 DC: \$17,853
- 9-23-93 Completion  
 RU Cutter Wireline to perf 5492'-5510' (2 SPF .40"). RD Cutter. TIH w/1 jt 2-7/8" tbg, 5-1/2" R-3 packer, SN & 176 jts 2-7/8" tbg. Set packer @ 5426', EOT @ 5464' KB. RU Dowell to do break down. Pressure test surface equipment to 5000 psi - OK. Initial break 3800 psi, back to 1500 psi. 3 BPM average 2000 psi. Start balls, 2 balls/bbl, 6 BPM, ball onperms, 4 BPM, average pressure 1790 psi, no ball off. Surge balls back, pump for rate 5.6 BPM @ 2500 psi, total load 75 BW. ISIP - 1750 psi. Flow back 30 BW, made 5 swab runs, recovered 30 BW, last run trace of oil. TOOH w/tbg & packer.  
 SDFN.  
 DC: \$5,597

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-5J

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

- 9-27-93 Completion  
CP - 0. RU Halliburton to frac well. Pressure test surface equipment to 5000 psi - OK. Frac well using 45,000# 20/40 sand in 530 bbls gelled wtr. Average rate 35 BPM, average treating pressure - 1850 psi. ISIP 1794#, 5 min 1678#, 10 min 1613#. SDFN. Load to recover 531 BW.  
DC: \$4,385
- 9-28-93 Completion  
CP - 795 psi. Flowed back 70 BW. TIH w/1 jt 2-7/8" tbg, 5-1/2" packer, SN, 177 jts tbg. Tag sand fill at 5505', circ to 5726', set packer 5426', EOT 5464'. Made 38 swab runs, recovered 228 BF. Last 4 runs fluid stable @ 3600', 5% oil, good gas. SWIFN.  
DC: \$1,787
- 9-29-93 Completion  
Csg - 0 psig. Tbg - 10 psig. Made 6 swab runs, fluid level at 1200' on 1st run. Recovered 36 BF, average 3% oil. Release packer, tag sand fill @ 5700', circ sand out to 5726'. TOOH w/tbg, SN, packer & 1 jt 2-7/8" tbg. RU to perf 5085'-89', 5102'-06 2 SPF. RD Cutters, TIH w/5-1/2" BP, retrieving tool, 1 jt 2-7/8" tbg, HD packer, SN, & 166 jts 2-7/8" tbg, set BP @ 5150' KB, set packer @ 5002' KB, EOT 5037' KB. RU Halliburton to do break down. Pressure test surface equipment to 4900 psi - OK. Start break down, initial break 3200 back to 12 BPM @ 1.5, start balls 2/bbl. ISIP 1305 psi, no ball off. Pump for rate 6 BPM @ 2500 psi, ISIP 1450 psi. RD Halliburton, flow back 12 BW, made 4 swab runs = 12 BW (trace oil). TOOH w/tbg, SN, packer, BP retrieving head. SWIFN. Load to recover 350 BW.  
6,209
- 9-30-93 Completion  
CP - 0. RU Halliburton to frac. Pressure test surface equipment to 4200 psi - OK. Frac well w/20,000# 20/40 sand in 288 bbls gelled KCL water @ 21 BPM. ISIP 2030, 5 min 1891, 10 min 1787, 15 min 1721. RU Cutter Wireline to set BP @ 4700' KB, perf 4623'-32' 2 SPF. TIH w/5-1/2" packer & 149 jts 2-7/8" tbg, set packer @ 4602'. RU Halliburton to do break down, start break down initial break @ 3600 psi, 5 BPM, back to 1525 psi. Start 2 balls per bbl, 8 BPM, 2300 psi, 4 BPM. Ball off, surge ball off, pump for rate 9 BPM, 3000 psi, ISIP 1400. TOOH w/tbg & packer, RU for frac, pressure test surface equipment 4000 psi. Frac well @ 22 BPM w/22,500# 20/40 sand in 290 bbl gelled water. ISIP - 1813, 5 min 1676, 10 min 1610, 15 min 1564. RD Halliburton. SWIFN. Load to recover 971 BW.  
DC: \$28,476

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-5J

Location: NE SW Section 5, T9S, R17E

Duchesne County, Utah

- 10-1-93 Completion  
CP - 810 psig. TIH w/BP retrieving tool, 150 jts 2-7/8" tbg, tag sand fill @ 4610' KB. Circ clean to BP @ 4660'. Release BP, TIH w/retrieving head, 1 jt tbg, seat nipple, packer & 163 jts tbg. Tag sand fill @ 5095'. Circ clean down to 5120' KB, set packer @ 4565' EOT 4602'. Made 17 swab runs, recovered 102 BF. Last 4 runs fluid level stable @ 3100', trace of oil, good gas. SWIFN.  
DC: \$3,242
- 10-2-93 Completion  
CP - 0. TP - 15 psi. Fluid level - surface. Made 26 swab runs, recovered 156 BF. Fluid level stable at 3200'. Last 6 runs oil 10%, last 4 runs - no sand. Release packer, tag sand fill @ 5105', circ clean to 5150' (BP). Release BP & TOOh w/tbg, SN, packer & BP. TIH w/1 jt tbg 2-7/8" EUE, J-55, 8RD, 6.5# (31.79') landed @ 5592.37' KB; one 2-7/8" x 3' perf sub (3.20') landed @ 5560.58'; one seat nipple (1.10') landed @ 5557.38'; 180 jts tbg 2-7/8" EUE, J-55, 8RD, 6.5# (5543.28') landed @ 5556.28'; KB - 13'. ND BOP, NU wellhead. SDFN. Load to recover 831 BW.  
DC: \$1,815
- 10-4-93 Completion  
CP - 10 psi. TP - 0 psi. TIH w/1 BHP, 2-1/2 x 1-1/2 x 16 RHAC w/PA plunger; 221 3/4 x 25' plain rods; one 3/4 x 4' pony; one 1-1/4" x 16' polish rod. Clamp rods off. RDMO. Load to recover 831 BW.  
DC: \$9,906
- 10-12-93 Well started up 10-12-93 @ 3 p.m. First production 10-12-93.



GREEN ARROW

**JOB LOG** FORM 2013 11-3

CUSTOMER: USALCO  
WELL NO: 23-55  
LEASE: ...  
JOB TYPE: ...  
TICKET NO: 0259

CHART NO.	TIME	RATE (UPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:15	5.0	0					Pump Rel
	11:16	4.1	150			3000		W.L. 3600
	11:18	8.3	0			2500		Pump On
	11:20	4.6	1145			1780		Ball off
	11:22	4.6	1400			1750		" "
	11:23	7.1	1486			4000		Ball off
	11:25							Stop off let fall
	11:27	8.0	1707			2950		ITS 210
	11:29	9	1613			2900		
						1400		ITS 2
								Pull out of hole To 100



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**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: NE SW Section 5, T9S, R17E  
 TD: 1815.8' FSL & 2056.9' FWL

5. Lease Designation and Serial No.  
 U-020252

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

7. If Unit or CA, Agreement Designation  
 Jonah Unit

8. Well Name and No.  
 Balcron Monument Federal #23-5J

9. API Well No.  
 43-013-31383

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

11. County or Parish, State  
 Duchesne County, Utah

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

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

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

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

Attached are the Geological Markers and their Measured Depths to be amended on the original completion report submitted on 11-9-93.

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

Signed Bobbie Schuma Title Regulatory and Environmental Specialist Date 12-8-94  
 (This space for Federal or State office use)

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

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

\*See instruction on Reverse Side

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division

Balcron Monument Federal #23-5J  
NE SW Section 5, T9S, R17E  
Duchesne County Utah

Amendment to Completion Report  
Submitted on 11-9-93

GEOLOGICAL MARKERS

<u>NAME</u>	<u>MEASURED DEPTH</u>
Green River	1460'
Horse Bench Sandstone	2153'
Second Garden Gulch	3828'
"Y" Marker	4447'
Douglas Creek Marker	4609'
Second Douglas Creek	4845
Green Marker	4986'
Carbonate Marker	5457'
Red-1 Sand	4622'
Green-4 Sand	5085'
Blue-1 Sand	5491'

/mc



**EQUITABLE RESOURCES**  
ENERGY COMPANY

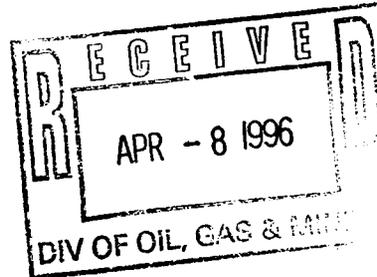
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

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

March 22, 1996

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



Gentlemen:

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

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

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

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

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

	5. Lease Designation and Serial Number: See attached listing
	6. If Indian, Allottee or Tribe Name: n/a
	7. Unit Agreement Name: See attached listing
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: See attached listing	8. Well Name and Number: See attached listing
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division	9. API Well Number: See attached listing
3. Address and Telephone Number: 1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860	10. Field and Pool, or Wildcat: See attached listing
4. Location of Well Footages: See attached listing	County: See attached list
OO, Sec., T., R., M.: _____	State: UTAH

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

NOTICE OF INTENT (Submit In Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Operator name change</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	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 Title: Regulatory and Environmental Specialist Date: March 27, 1996  
 Bobbie Schuman

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEP 7-SJ
2	D758-FILE
3	VLD/GIL
4	RJE
5	IB
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 <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

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

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31383</u>	Entity: _____	Sec. _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_ , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/22/96
- DJS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*Sent to Ed Bonner - Trust Lands*

FILMING

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

FILING

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

COMMENTS

9/20/10 Blm/BIA "Formal approval not necessary"

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT  (Highlight Changes)

Well Name API Number    Entity    Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ CASTLE PK FED 44-10 4301330630 11492 09S 16E 10	GRRV					
✓ CASTLE PK FED 24-15 4301330631 11492 09S 16E 15	GRRV					
✓ CASTLE PK FED 33-15 4301330632 11492 09S 16E 15	GRRV					
✓ CASTLE PK FED 42-15 4301330633 11492 09S 16E 15	GRRV					
✓ CASTLE PK FED. 22-15 4301330634 11492 09S 16E 15	GRRV					
✓ MONUMENT BUTTE 1-23 4301330646 11492 09S 16E 1	GRRV					
✓ MONUMENT BUTTE 1-14 4301330703 11492 09S 16E 1	GRRV					
✓ MONUMENT BUTTE 1-43 4301330734 11492 09S 16E 1	GRRV					
✓ MONUMENT BUTTE 1-34 4301330736 11492 09S 16E 1	GRRV					
✓ GETTY 12-1 4301330889 11492 09S 16E 12	GRRV					
✓ GETTY 7A 4301330926 11492 09S 17E 7	GRRV					
✓ GETTY 7C 4301330961 11492 09S 17E 7	GRRV					
✓ MONUMENT FEDERAL 23-5J 4301331383 11492 09S 17E 5	GRRV					
<b>TOTALS</b>						

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

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

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

UTAH

Balcron Monument Fed. #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



2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

Telephone (801) 789-4327

## Water Analysis Report

*Jonah Unit*

Customer : EREC - Western Oil Company  
Address : 1601 Lewis Avenue  
City : Billings  
State : MT      Postal Code : 59104-

Field : Monument Butte Field  
Lease : Monument Federal Lease  
Location : Well No. 23-05  
Sample Point : treater

Attention : John Zellitti  
cc1 : Dan Farnsworth  
cc2 : Joe Ivey  
cc3 :

Date Sampled : 01/03/1997  
Date Received : 01/03/1997  
Date Reported: 02/02/1997

Salesman : Lee Gardiner  
Analyst : Karen Hawkins Allen

### CATIONS

Calcium : 112 mg/l  
Magnesium : 106 mg/l  
Barium : 0 mg/l  
Strontium : 0 mg/l  
Iron : 1.0 mg/l  
Sodium : 2313 mg/l  
pH (field) : 8.58  
Temperature : 85 degrees F  
Ionic Strength : 0.11  
Resistivity : ohm/meters  
Ammonia : ppm  
Comments :

### ANIONS

Chloride: 3,200 mg/l  
Carbonate: 305 mg/l  
Bicarbonate: 1,366 mg/l  
Sulfate: 108 mg/l  
Specific Gravity : 1.01 grams/ml  
Total Dissolved Solids : 7,511 ppm  
CO2 in Water : 1 mg/l  
CO2 in Gas : 0.03 mole %  
H2S in Water : 0.0 mg/l  
O2 in Water : 0.000 ppm

### SI calculations based on Tomson-Oddo

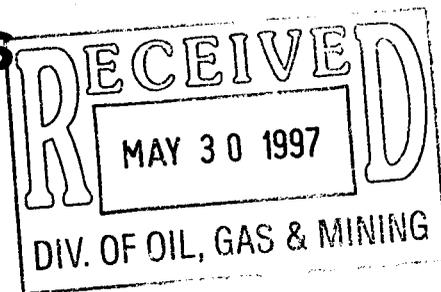
Calcite (CaCO3) SI :	2.23	Calcite PTB :	97.2
Gypsum (CaSO4) SI :	-2.35	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102



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

May 27, 1997

Utah Board Of Oil, Gas, & Mining  
1594 West North Temple  
Suite-1220  
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit  
Beluga Secondary Recovery Unit  
Coyote Basin Secondary Recovery Unit  
Castle Draw (State Section-2) Pilot Waterflood  
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti  
District Production Engineer

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: \_\_\_\_\_

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.: \_\_\_\_\_

RECEIVED  
OCT 13 1997

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

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 16 1997

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

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #22-12J	SENW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15796-00	UTU096550	UTU72086A
MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED #13-11J	NWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15790-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE FED #31-1J	NW NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31413-00	UTU33992	UTU72086A
✓ MONUMENT BUTTE FED #33-11J	NWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31451-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED #41-12J	NE NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31487-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE FED #42-11J	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30066-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED #42-12J	SENE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31486-00	UTU035521	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 FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-5	SWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31385-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE FED. #23-5	NESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31383-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #24-12J	SESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31409-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #32-1J	SWNE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31414-00	UTU33992	UTU72086A
MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT FEDERAL #12-7J	SWNW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31493-00	U-44426	UTU72086A



# 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.*

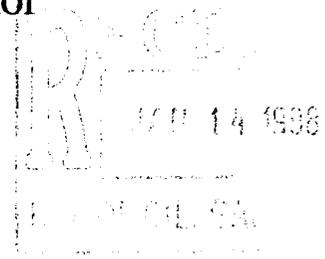
NOTE: *Here is the letter you requested.  
Call if you need anything  
further.*



# 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
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	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	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG



**OPERATOR CHANGE WORKSHEET**

Routing	
1-IEC	6-ATC
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

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

- 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

<p><b>TO:</b> (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&amp;G SVS</u>                  Phone: <u>(801) 722-5103</u> Phone: <u>(406) 628-4164</u>                  Account no. <u>N5160</u> Account no. <u>N9890</u></p>
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**WELL(S)** attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-03-31383</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) \* WIC/QueHro Pro 1-14-98 & WIC/DBase 1-14-98.
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. **Well file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

**ENTITY REVIEW**

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

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A/yc 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/yc 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**

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

**FILING**

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

**COMMENTS**

980114 B/m/SY Aprv. eff. 1-13-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ CASTLE PK FED 33-15 4301330632 11492 09S 16E 15	GRRV			6017985	Jonah (62) Unit	
✓ CASTLE PK FED 42-15 4301330633 11492 09S 16E 15	GRRV			"		
✓ CASTLE PK FED. 22-15 4301330634 11492 09S 16E 15	GRRV			"		
✓ MONUMENT BUTTE 1-23 4301330646 11492 09S 16E 1	GRRV			618399		
✓ MONUMENT BUTTE 1-14 4301330703 11492 09S 16E 1	GRRV			"		
✓ MONUMENT BUTTE 1-43 4301330734 11492 09S 16E 1	GRRV			652013		
✓ MONUMENT BUTTE 1-34 4301330736 11492 09S 16E 1	GRRV			"		
✓ GETTY 12-1 4301330889 11492 09S 16E 12	GRRV			644426		
✓ GETTY 7A 4301330926 11492 09S 17E 7	GRRV			"		
✓ GETTY 7C 4301330961 11492 09S 17E 7	GRRV			"		
✓ MONUMENT FEDERAL 23-5J 4301331383 11492 09S 17E 5	GRRV			6020252		
✓ MONUMENT FEDERAL 14-5 4301331385 11492 09S 17E 5	GRRV			"		
✓ MONUMENT FEDERAL 24-12J 4301331409 11492 09S 16E 12	GRRV			6035521A	✓	
<b>TOTALS</b>						

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

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

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**JONAH**

8. Well Name and No.  
**MONUMENT FEDERAL 23-5J**

9. API Well No.  
**43-013-31383**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1816 FSL 2057 FWL                      NE/SW Section 5, T09S R17E**

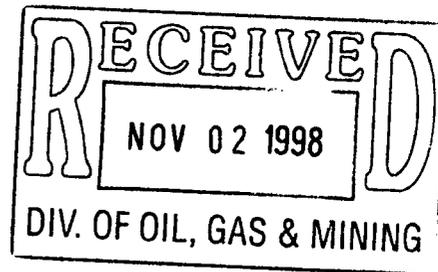
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct  
Signed Debbie E. Knight Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

Monument Federal 23-5

NE/SW Sec. 5, T9S, 17E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

**Production Phase:**

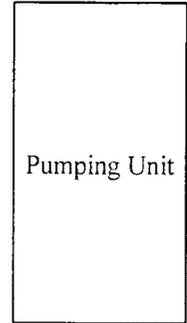
- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

**Sales Phase:**

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

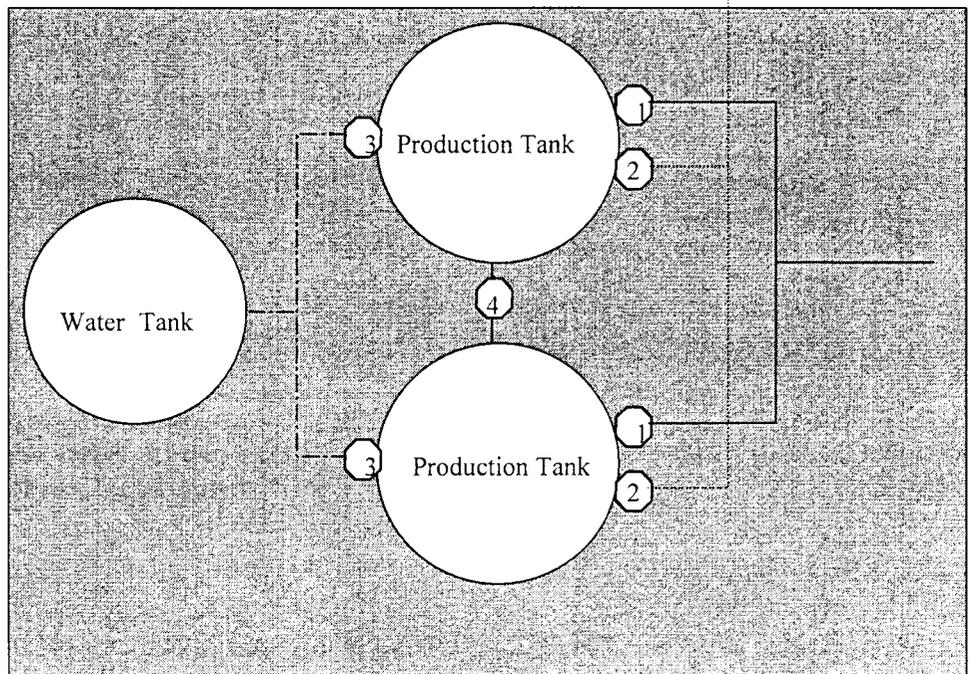
**Draining Phase:**

- 1) Valve 3 open



Gas Sales Meter

Diked Section



Emulsion Line	.....
Load Line	————
Water Line	- - - - -
Gas Sales	- · - · - ·



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**CA No. Unit: JONAH (GREEN RIVER)**

<b>WELL(S)</b>									
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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>



AUG 11 2009

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

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

RE: Additional Well: Jonah Area Permit  
Additional Testing Required on Injection Well  
UIC Permit No. UT20642-00000  
Well ID: UT20642-08443  
Balcron Monument Federal No. 23-5J-9-17  
Duchesne County, Utah  
API #43-013-31383

95 17E 5

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Balcron Monument Federal No. 23-5J-9-17 to an enhanced recovery injection well under the Jonah Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Jonah Area Permit No. UT20642-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3,630 feet and the top of the Wasatch Formation, estimated at 5,976 feet.

RECEIVED

AUG 17 2009

DIV. OF OIL, GAS & MINING

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

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

The initial Maximum Allowable Injection Pressure (MAIP) for the Balcron Monument Federal No 23-5J-9-17 was determined to be 1,480 psig. UIC Area Permit UT20642-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

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

Sincerely,



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

Encl: Authorization for Conversion of an Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Conversion Schematic: Balcron Monument Federal No. 23-5J-9-17  
P&A Schematic: Balcron Monument Federal No. 23-5J-9-17  
EPA Form No. 7520-13 (Plugging Record)

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

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

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah

## INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Balcron Monument Federal No. 23-5J-9-17  
EPA Well ID Number: UT20642-08443

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

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

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the Confining Zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the Permit, an extension of the period of Limited Authorization to Inject may be requested.

A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*)
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, which may affect the cement integrity of the well
- e) If the Director requests that a RTS be run for any reason

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a Temperature Log, Oxygen Activation Log, or Noise Log at a frequency no less than once every five years.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,630 feet to the top of the Wasatch Formation, at an estimated depth of 5,976 feet (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,480 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.76 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = 4,623 \text{ feet (top perforation depth KB)} \\ \text{MAIP} &= \underline{\underline{1,480}} \end{aligned}$$

UIC Area Permit No. UT20642-0000 provides the opportunity for the Permittee to request a change of the MAIP based upon the submitted results of a Step-Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

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

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

**Demonstration of Mechanical Integrity:**

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

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

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

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

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

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Bench from approximately 2,800 feet to 2,940 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 140-foot balanced cement plug inside the 5-1/2 inch casing from approximately 2,800 feet – 2,940 feet (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the contact between the Uinta Formation and Green River Formation 1,353 feet – 1,473 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2 inch casing from approximately 1,353 feet – 1,473 feet (KB).

PLUG NO. 4: Set a Class “G” cement plug within the 5-1/2 inch casing to 333 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

### **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: Balcron Monument Federal No. 23-5J-9-17  
EPA Well ID Number: UT20642-08443

**Underground Sources of Drinking Water (USDWs):** USDWs in the Jonah Area Permit generally occur within the Uinta Formation. According to “*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*” the base of moderately saline ground water may be found approximately near surface in the Balcron Monument Federal No. 23-5J-9-17.

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

Authorization for Additional Well: UIC Area Permit UT20642-00000  
Balcron Monument Federal No: 23-5J-9-17 EPA Well ID: UT20642-08443

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:**

- TDS of the produced Douglas Creek Member: 11,418 mg/l.

The blended **injectate** (3,078 mg/l) is water from the Johnson Water District pipeline and/or water from the Green River pipeline, and produced water from Green River Formation wells proximate to the Balcron Monument Federal No. 23-5J-9-17.

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

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 120 feet of impervious shale and carbonate between the depths of 3,510 feet and 3,630 feet (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,346 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,630 feet (KB) to the top of the Wasatch Formation which is estimated to be at 5,976 feet (KB). All formation tops are based on correlations to the Newfield Production Federal No. 1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does not show 80% or greater cement bond index in the Confining Zone (3,510 feet – 3,630 feet KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

**Surface Casing:** 8-5/8 inch casing is set at 283 feet (KB) in a 12-1/4 inch hole, using 150 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2 inch casing is set at 5,773 feet (KB) in a 7-7/8 inch hole secured with 154 sacks of Thrift Lite and 258 sacks of 50-50 Poz. Total driller depth 5,800 feet. Plugged back total depth (PBSD) is 5,725 feet. EPA calculates top of cement at 3,130 feet. Estimated CBL top of cement is 2,910 feet.

**Perforations:** Top perforation: 4,623 feet (KB). Bottom perforation: 5,510 feet (KB)

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

Monument Fed. No. 24-5-9-17 (UT20642-04210) API: 43-013-31375 SESW 5-T9S-R17E

Blackjack Fed. 10-5-9-17 (UT20998-06753) API: 43-013-32553 NWSE Sec. 5-T9S-R17E

Balcron Mon. Fed 13-5J-9-17 (UT20642-04208) API: 43-013-31370 NWSW Sec. 17-T9S-R17E

Jonah Federal No. N-5-9-17 API: 43-013-33923 (SL) SWNW Sec. 5-T9S-R17E  
(BHL) SWSENE Sec. 5-T9S-R17E

**Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The Operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with Permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

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

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

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

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

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



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: 20642-00000**

The Jonah Unit Final UIC Area Permit No. UT20642-00000, effective December 22, 1992 authorizes Class II authorized fluid injection for the purpose of enhanced oil recovery in the Monument Butte Field. June 9, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Balcron Monument Federal No. 23-5J-9-17  
Well Permit UT20642-08443  
NE SW (1816' FSL & 2057' FWL) Section 5-- T9S -- R17E  
Duchesne County, Utah  
API No. 43-013-31383

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20642-00000 authorizes the Permittee to construct and/or convert, or plug and abandon additional enhanced recovery injection wells within the Area Permit. This well was determined to satisfy additional well criteria required by the Permit.

This well is subject to all provisions of UIC Area Permit No. UT20642-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the Permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date:     AUG 11 2009    

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

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

AUG 06 2010

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

43 013 31383  
9S 17E 5

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

RE: Underground Injection Control (UIC)  
One Year Extension of UIC Permits

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) August, 3, 2010, letter requesting a one year extension of five UIC Permits. EPA hereby grants an extension of one year from the date of expiration, to construct or convert wells under the following UIC Permits and Add Well Authorizations:

UIC Permit Number	Well Name	New Date of Expiration
UT20642-08443	→ Federal 23-5J-9-17	8/11/2011
UT20798-08393	Federal 14-8-9-17	8/12/2011
UT20776-08406	Federal 21-10Y-9-17	8/13/2011
UT20853-08411	Federal 13-15H-9-17	8/13/2011
UT20771-08467	Pleasant Valley 7-9-9-17	8/24/2011

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583.

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

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020252
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 23-5J
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013313830000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1816 FSL 2057 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 05 Township: 09.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/12/2012	<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 checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" 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 type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 12/11/2012. On 12/11/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 12/12/2012 the casing was pressured up to 1315 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-08443

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
January 16, 2013**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/19/2012	

## Mechanical Integrity Test

### Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 12, 12, 2012  
 Test conducted by: Cody Marx  
 Others present: \_\_\_\_\_

Well Name: <u>Monument Federal 23-5J-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NE/SW</u> Sec: <u>5</u> T <u>9</u> N/S R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>Ut</u>
Operator: <u>Don Train</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 1315 psig

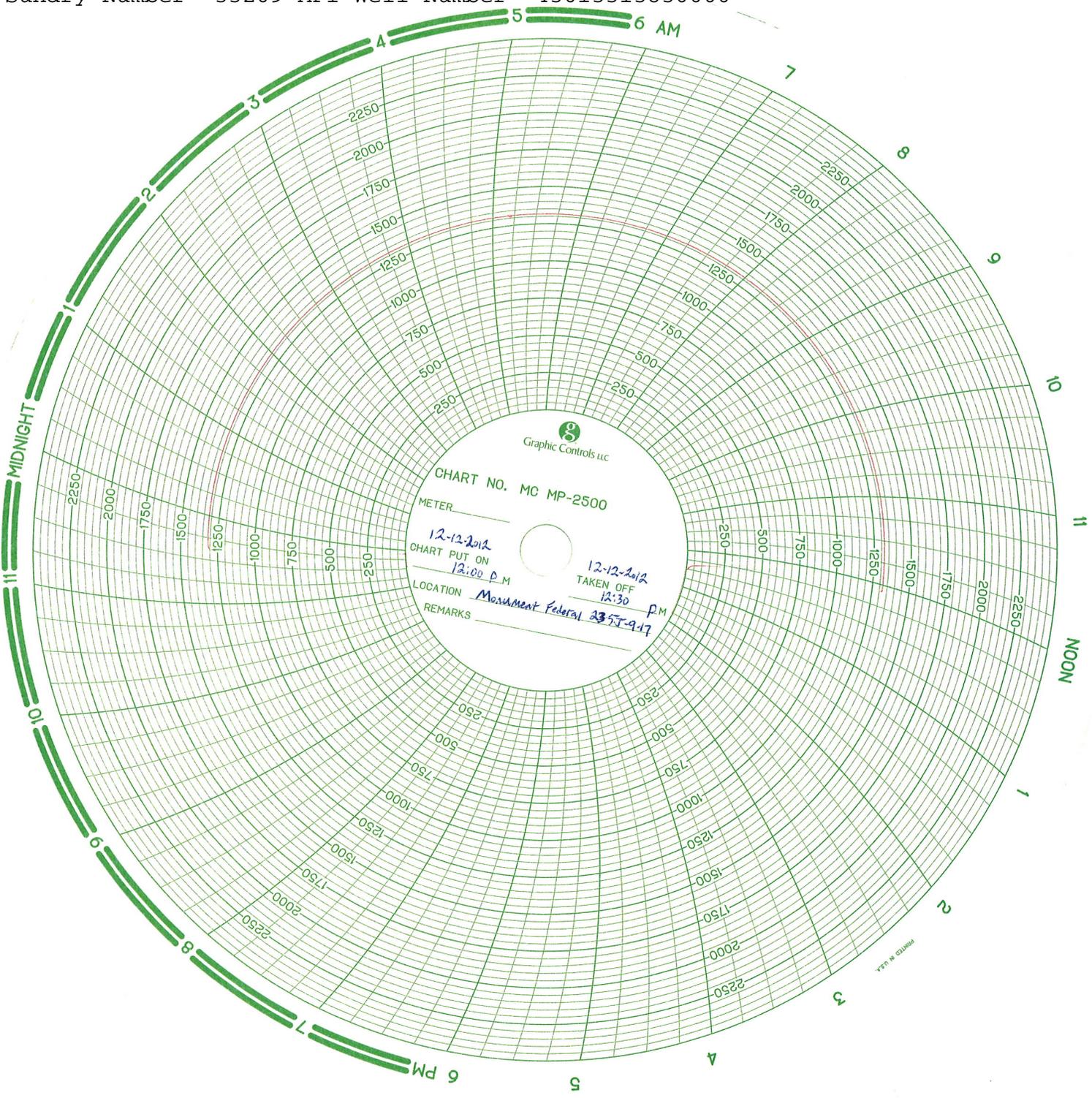
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>100</u> psig	psig	psig
End of test pressure	<u>100</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1315</u> psig	psig	psig
5 minutes	<u>1315</u> psig	psig	psig
10 minutes	<u>1315</u> psig	psig	psig
15 minutes	<u>1315</u> psig	psig	psig
20 minutes	<u>1315</u> psig	psig	psig
25 minutes	<u>1315</u> psig	psig	psig
30 minutes	psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



Graphic Controls LLC

CHART NO. MC MP-2500

METER

12-12-2012  
CHART PUT ON  
12:00 P.M.

12-12-2012  
TAKEN OFF  
12:30 P.M.

LOCATION Measurement Federal 235T-917

REMARKS

GRAPHIC CONTROLS  
7421 W. 10TH

## Daily Activity Report

Format For Sundry

MON 23-5J-9-17

10/1/2012 To 2/28/2013

**12/7/2012 Day: 1**

**Conversion**

WWS #5 on 12/7/2012 - MIRU RDPU pump BW down CSG unseat pump RODS w/ 30 BW seat pump PSI test TBG to 3000 psi w/ 15 BW - MIRU RDPU pump BW down CSG unseat pump RODS w/ 30 BW seat pump PSI test TBG to 3000 psi w/ 15 BW goodtest LD 1-1/4 x 22 polish rod 99 -4 per 3/4 67 -SLK 3/4 49 -4 per 3/4 6-1-1/2 bars and pump flushed w/ 30 bw XO to tbg EQ NDWH release TAC NU BOP BUTBG EQ SWI ready TOOH.

**Daily Cost:** \$0

**Cumulative Cost:** \$14,543

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**12/11/2012 Day: 2**

**Conversion**

WWS #5 on 12/11/2012 - Crew travel & safety meeting , flush TBG W/ 50 BW tooh talling tbg breaking inspecting & green doping every connection - Crew travel & safety meeting , flush TBG W/ 50 BW tooh talling tbg breaking inspecting & green doping every connection W/148jts 2 7/8 J-55 TBG LD 29 jts 5 1/2 TAC, 2 jts SN, 1 JT NC flushed 2 more times W/55 BBLS collars broke Horribly acted like they were way over torqued TIHW 2 3/8 re-entry guided, XN nipple, 2 3/8 tbg sub, xover, 5 1/2 AS-1X, on-off TOOH, 2 7/8 SN, 20 JTS 2 7/8 J55 tbg SWI.

**Daily Cost:** \$0

**Cumulative Cost:** \$21,214

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**12/12/2012 Day: 3**

**Conversion**

WWS #5 on 12/12/2012 - Pump pkr fluid, 1500 # good casing test - crew travel, safety meeting. Cont tih w 128 Jts 2-7/8, j-55 tbg pump 20 bbls, drop sv, psi test tbgto 3000 psi w 20 bw, hold for 1 hr. good test. RU & rih w sandline. Ret sv pooh 7 bd sandline ND BOP set pkr @ 4566 for 15,000#tension. SN @ 4560' x/n @ 4575 EOT 2 4576. 47' above top perf. Mix pkr fluidw/fresh water. Use 45 bbls to PSI test csg to 1500 psi w/45 bbls hold for 1 hr. good test. RD. Road rig

**Daily Cost:** \$0

**Cumulative Cost:** \$24,982

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**12/17/2012 Day: 4**

**Conversion**

Rigless on 12/17/2012 - conduct initial MIT - On12/11/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 12/12/2012 the casing was pressured up to 1315 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20642-08443 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$113,816

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020252	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 23-5J
<b>1. TYPE OF WELL</b> Water Injection Well	<b>9. API NUMBER:</b> 43013313830000
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1816 FSL 2057 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 05 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/15/2013	<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 checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" 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="Put on Injection"/>

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

The above reference well was put on injection at 12:00 PM on 01/15/2013. EPA # UT22197-08443

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 February 12, 2013**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/17/2013	

Spud Date: 9/02/93  
 Put on Production: 10/12/93  
 GL: 5208' KB: 5221'

# Balcron Monument Federal 23-5J-9-17

Initial Production: 80 BOPD,  
 48 MCFD, 10 BWPD

### SURFACE CASING

CSG SIZE: 8 5/8" J-55 24 lbs.  
 LENGTH: 6 jts @ 271.60'  
 DEPTH LANDED: 283.30'  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150 sxs Class "G". Cement to surface

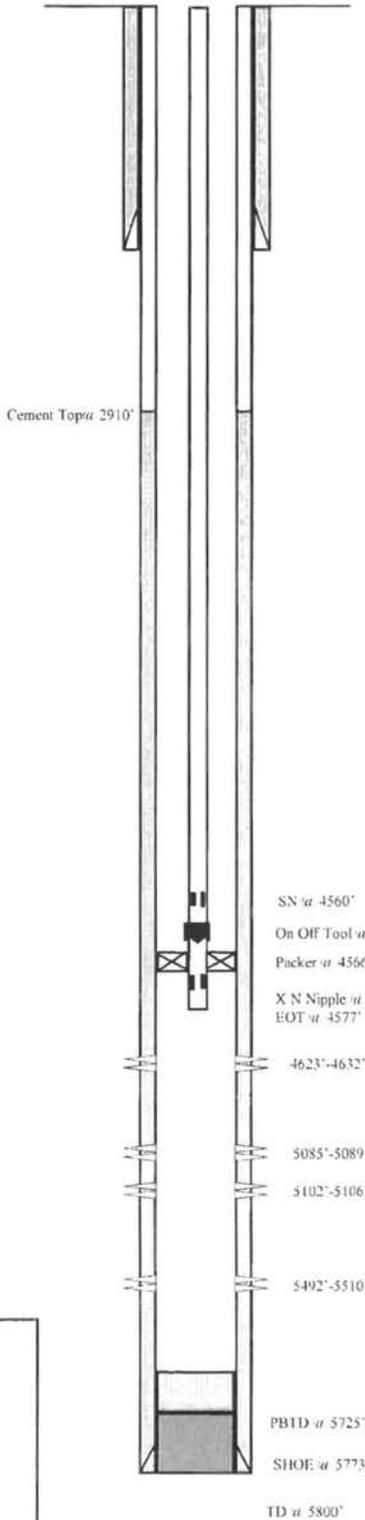
### PRODUCTION CASING

SIZE: 5 1/2" J-55 15.5 lbs.  
 LENGTH: 134 jts @ 5760.57'  
 DEPTH LANDED: 5772.57'  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 154 sxs Thrifty lite & 258 sxs 50-50 POZ  
 CEMENT TOP AT: 2910' KB from CBL

### TUBING

SIZE GRADE WT.: 2-7/8" J-55 6.5#  
 NO. OF JOINTS: 148 jts (4547.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4560.4' KB  
 ON OFF TOOL AT: 4561.5'  
 ARROW #1 PACKER CE AT: 4566.72'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4570.5'  
 TBG PUP 2-3/8 J-55 AT: 4571.0'  
 X N NIPPLE AT: 4575.2'  
 TOTAL STRING LENGTH: EOT @ 4577'

Injection Wellbore  
 Diagram



### FRAC JOB

9-30-93	4623'-4632'	<b>Frac w/Halliburton</b> 290 bbl gelled water w 22,500 lbs 20-40 sand. Avg 23 BPM @ 1900 psi. Max 24 BPM @ 2030 psi. ISIP @ 1813 psi. 5 min @ 1676 psi, 10 min @ 1610 psi, 15 min @ 1564 psi.
9-30-93	5085'-5106'	<b>Frac w/Halliburton</b> 288 bbl gelled water w 20,000 lbs 20-40 sand. Avg 22 BPM @ 2380 psi. Max 23 BPM @ 2410 psi. ISIP @ 2030 psi. 5 min @ 1891 psi, 10 min @ 1787 psi, 15 min @ 1721 psi.
9-27-93	5492'-5510'	<b>Frac w/Halliburton</b> 530 bbl gelled water w 45,000# 20-40 sand. Avg 35 BPM @ 1850 psi. ISIP @ 1794 psi. 5 min @ 1678 psi, 10 min @ 1613 psi.
6/24/02		<b>Pump change.</b> Update rod details.
12/14/05		<b>Pump change.</b> Update rod and tubing details.
03/07/07		<b>Tubing Leak Rod and Tubing details</b> updated.
05/23/08		Updated rod and tubing detail
12/11/12		<b>Convert to Injection Well</b>
12/12/12		<b>Conversion MIT Finalized</b> -- update tbg detail

### PERFORATION RECORD

9/30/02	4623'-4632'	2 SPF	18 holes
9/29/02	5085'-5089'	2 SPF	08 holes
9/29/02	5102'-5106'	2 SPF	08 holes
9/23/02	5492'-5510'	2 SPF	36 holes



**Balcron Monument Federal 23-5J-9-17**  
 1816 FSL & 2057 FWL  
 NESW Section 5-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31383; Lease #UTU-020252