

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

CONFIDENTIAL

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-3563-A
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 n/a
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NE Section 18, T9S, R17E 660' FNL, 660' FEL	8. Well Name and No. Balcron Monument Fed. #41-18
	9. API Well No. 43-013-31399
	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>additional surface pipe</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.)*

Verbal approval was given by the Vernal BLM to run additional surface pipe in order to isolate a water zone so that the long string would not have to be cemented back to the surface. This was done on this well.

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

Signed *Bobbie Schuman* Title Coordinator of Environmental and Regulatory Affairs Date October 21, 1992

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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

*See Instruction on Reverse Side



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

May 18, 1993

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MAY 20 1993

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

DIVISION OF
OIL GAS & MINING

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list.

As operator, we hereby request that the status of these wells be held tight for the maximum period allowed by State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

EQUITABLE RESOURCES ENERGY COMPANY,
BALCRON OIL DIVISION

MONUMENT BUTTE DRILLING PROGRAM

Balcron Federal #21-25Y

NE NW Section 25, T9S, R16E
Duchesne County, Utah
198.4' FNL, 2302.2' FWL
FLS #U-64380
PTD 5,650'
GL 5684.9'

Balcron Federal #41-21Y

NE NE Section 21, T9S, R16E
Duchesne County, Utah
970.2' FNL, 893.8' FEL
FLS #U-64379
PTD 6,000'
GL 5953.5'

Balcron Federal #24-3Y

SE SW Section 3, T9S, R17E
Duchesne County, Utah
561.8' FSL, 1887.2' FWL
FLS #U-64381
PTD 5,950'
GL 5099.1'

Balcron Federal #21-9Y

NE NW Section 9, T9S, R16E
Duchesne County, Utah
476.2' FNL, 2051' FWL
FLS #U-65207
PTD 6,190'
GL 5747.3'

Balcron Federal #21-13Y

NE NW Section 13, T9S, R16E
Duchesne County, Utah
702.7' FNL, 1830.5' FWL
FLS #U-64805
PTD 5,900'
GL 5535.5'

Balcron Federal #22-10Y

SE NW Section 10, T9S, R17E
Duschene County, Utah
1980' FNL, 1980' FWL
FLS #U-65210
PTD 5,850'
GL 5121.9'

EQUITABLE RESOURCES ENERGY COMPANY,
BALCRON OIL DIVISION

MONUMENT BUTTE DRILLING PROGRAM

Balcron Federal #44-14Y
SE SE Section 14, T9S, R17E
Duchesne County, Utah
1008.2' FSL, 832.3' FEL
FLS #U-64806
PTD 5,700'
GL 5164.3'

Balcron Monument Federal #14-8
SW SW Section 8, T9S, R17E
Duchesne County, Utah
660' FSL, 660' FWL
FLS #U-007978
PTD 5,950'
GL 5370.6'

Balcron Monument Federal #41-18
NE NE Section 18, T9S, R17E
Uintah County, Utah
660' FNL, 660' FEL
FLS #U-3563-A
PTD 5,900'
GL 5406.3'

5/17/93
/rs

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 (Balcron Oil Division)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 NE NE Section 18, T9S, R17E 660' FNL, 660' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 13 miles SW of Myton, Utah

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

18. NO. OF ACRES IN LEASE
 19. PROPOSED DEPTH
 5,900'

17. NO. OF ACRES ASSIGNED TO THIS WELL
 20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GL 5406.3'

22. APPROX. DATE WORK WILL START*
 June 1, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached for details.				

- EXHIBITS ATTACHED
- "A" PROPOSED DRILLING PROGRAM
 - "B" PROPOSED SURFACE USE PROGRAM
 - "C" GEOLOGIC PROGNOSIS
 - "D" DRILLING PROGRAM/CASING DESIGN
 - "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

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 May 17, 1993

(This space for Federal or State office use)
 PERMIT NO. 43-013-31399 APPROVAL DATE 6-21-93
 APPROVED BY [Signature] TITLE [Signature]
 CONDITIONS OF APPROVAL, IF ANY: WELL SPACING: 649-3-2

5. LEASE DESIGNATION AND SERIAL NO.
 U-3563-A

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

7. UNIT AGREEMENT NAME
 n/a

8. FARM OR LEASE NAME
 Balcron Monument Federal

9. WELL NO.
 #41-18

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 18, T9S, R17E

12. COUNTY OR PARISH
 Uintah

13. STATE
 UTAH

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 MAY 20 1993
 DIVISION OF OIL, GAS & MINING

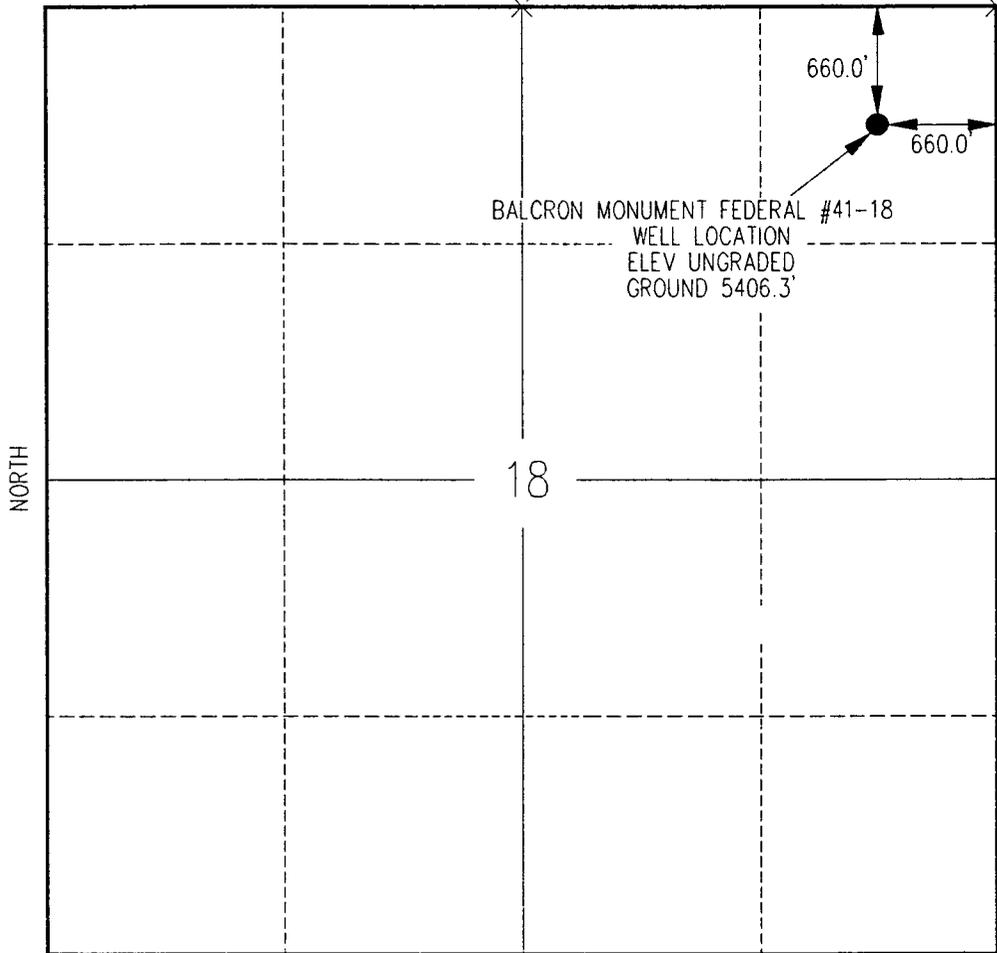
*See Instructions On Reverse Side

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

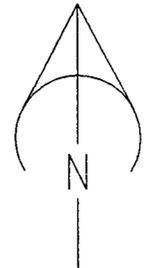
EQUITABLE RESOURCES ENERGY CO.

S 89°56' W (GLO) BASIS OF BEARING

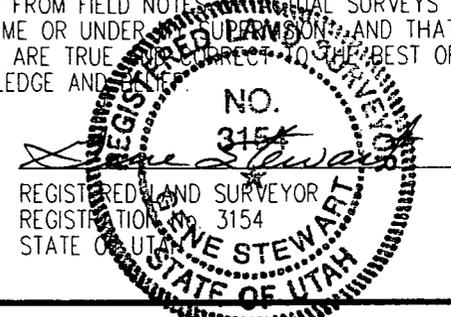
WELL LOCATION, BALCRON MONUMENT FEDERAL #41-18,
LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION
18, T9S, R17E, S.L.B. & M, DUCHESNE COUNTY UTAH.



N 0°03' W (GLO)



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



REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

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

SCALE: 1" = 1000'	SURVEYED BY: SS JC
DATE: 4/28/93	WEATHER: CLEAR & WARM
NOTES:	FILE # #41-18

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)

EXHIBIT "G"

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				5. Lease Designation and Serial No. Federal # U 3563-A	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				6. If Indian, Allotted or Tribe Name n/a	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>				7. Unit Agreement Name n/a	
8. Name of Operator Equitable Resources Energy Company, Balcron Oil Division				8. Firm or Lease Name Balcron Monument Federal	
9. Address of Operator P.O. Box 21017; Billings, MT 59104				9. Well No. #41-18	
10. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface NE NE Section 18, T9S, R17E 660' FNL, 660' FEL At proposed prod. zone				10. Field and Pool, or Wildcat Monument Butte/Green River	
11. Distance in miles and direction from nearest town or post office* Approximately 13 miles from Myton, Utah (SW)				11. 00, Sec., T., R., M., or Blk. and Survey or Area NE NE Sec. 18, T9S, R17E	
12. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)		16. No. of acres in lease		17. No. of acres assigned to this well	
13. Distance from proposed location to nearest well, drilling, completed, or appled for, on this lease, ft.		19. Proposed depth 5,900'		20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) GL 5406.3'				22. Approx. date work will start* June 1, 1993	
23. PROPOSED CASING AND CEMENTING PROGRAM					
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement	
See attached					

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

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MAY 20 1993

DIVISION OF
OIL, GAS & MINING

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

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

Signed: Robbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: May 17, 1993

(This space for Federal or State office use)

API NO. Approval Date

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

*See Instructions On Reverse Side

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #41-18
NE NE Section 18-T9S-R17E
Uintah County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, 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 #41-18
NE NE Section 18, 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. 150' & 200' NW and 200' & 250' SW
- B. The Monument Federal #41-18 is located approximately 13 miles Southwesterly of Myton Utah, in the NE1/4 NE1/4 Section 18, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 41-18, 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 11.4 miles to an intersection with the Pariette Bench road, turn right and continue 1.7 miles to road intersection; turn right and proceed 0.3 miles to proposed access road sign. Follow flags 400 feet to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

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

Approximately 400 feet of new road construction will be required for access to the proposed well location.

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

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

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

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

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

- C. Maximum grade - 2%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- 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.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

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.
- 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 between corner #5 and corner #6. Access will be from the North near corner #3.

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 pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

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

A. Production

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

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

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

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

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) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

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 12 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. *Attached as Exhibit "F" /ms*
 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 NE of location corner #6 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

Dale Griffin, Home (303)824-3323

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.

May 17, 1993
Date

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

EXHIBIT "C"

BALCRON OIL COMPANY

Geologic Prognosis

EXPLORATORY DEVELOPMENT X

WELL NAME: Balcron Monument Butte Federal #41-18 PROSPECT/FIELD: Monument Butte
 LOCATION: NENE 660' FNL, 660' FEL SECTION 18 TOWNSHIP 9S RANGE 17E
 COUNTY: Duchesne STATE: UT GL(Ung): 5406.3' EST KB: 5415' TOTAL DEPTH 5900

FORM. TOPS:

Formation	Prognosis			Sample Top			Formation	Prognosis			Sample Top		
	Depth	Datum	Datum	Depth	Datum	Datum		Depth	Datum	Datum	Depth	Datum	Datum
KB		5415				5404							
Uinta	Surf.												
Green River	1441	3974				3964							
2nd GG	3739	1676				1666							
Y-2	4081	1334				1324							
Douglas Crk.	4525	890				880							
R-5	4709	706				696							
Carb. Mkr.	5361	54				44							
B-1	5393	22				12							
B-2	5453	(-38)				(-48)							
B-3	5578	(-163)				(-173)							
TD	5900												

CONTROL WELL: Diamond Shamrock dir/di: NWN Section 17 Township 9S Range 17E
Paute Federal #11-17

SAMPLES:

50 samples, 1400 to 3700
 20 samples, 3700 to TD
 samples, to
 samples, to
 samples, to
 samples, to

LOGS:

DLL/MSFL from Surf. Csg. to TD
 LDT/CNL from 3500 to TD
 from to
 from to
 from to
 from to
 from to

Send Samples To:

Utah Geological Sample Library
 1 Dry Cut

CORES:

None

DRILL STEM TESTS:

None

MUD LOGGER/HOT WIRE:

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

WELLSITE GEOLOGIST:

From 1400' to TD
 Name: _____ Tele. #:(_____) _____
 Address: _____

COMMENTS:

PREPARED BY: K. K. Reinschmidt, S. W. VanDelinder

DATE: 5-13-93

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Balcron Federal 41-18 PROSPECT/FIELD: Monument Butte
LOCATION: NE NE Sec.18 Twn.9S Rge.17E
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5900

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
7 7/8" 260 to 5900'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	5900	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.
(Top of cement will be 2000')

PRELIMINARY DRILLING FLUID PROGRAM

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

Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.

COMMENTS

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



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

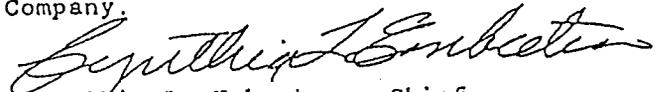
CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

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

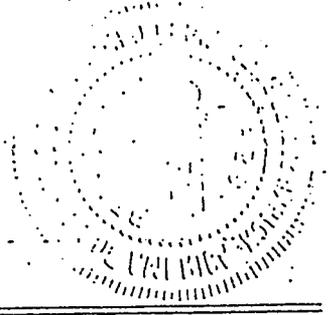
cc: (w/encl.)
AFS, Denver (1)
All DMS (1 ea.)
RMO Section (1)
Regional Forester, Lakewood (2)
Regional Forester, Missoula (2)
Bureau of Reclamation (1)

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: _____ TITLE

SAFECO INSURANCE COMPANY OF AMERICA

SURETY

By: *R. George Voinchet*
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.



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

May 6, 1993

Subject: CULTURAL RESOURCE EVALUATION OF NINE PROPOSED WELL LOCATIONS IN THE CASTLE PEAK DRAW LOCALITY OF DUCHESNE AND UINTAH COUNTIES, UTAH

Project: Balcron Oil Company -- 1993 Development Program for the Monument Butte Lease Area Units: 41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y, 24-3Y, and 22-10Y

Project No.: BLCR-93-1

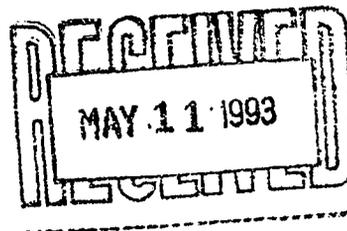
Permit No.: Dept. of Interior -- UT-92-54937

Utah State No.: UT-93-AF-158b

To: Ms. Ms. Bobbie Schuman, Balcron Oil Company, 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



5-13-93 NOTE: The access route on our 41-21Y was changed at the onsite. The new access will be re-evaluated and a supplemental report submitted/MS

CULTURAL RESOURCE EVALUATION
OF NINE PROPOSED WELL LOCATIONS IN THE
CASTLE PEAK DRAW LOCALITY
OF DUCHESNE AND Uintah COUNTIES, UTAH

Report Prepared for BALCRON OIL COMPANY

Dept. of Interior Permit No.: UT-92-54937
AERC Project 1373 (BLCR-93-1)

Utah State Project No.: UT-93-AF-158b

Principal Investigator: F. Richard Hauck, Ph.D.
Author of Report: Glade Hadden

ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)

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

May 6, 1993

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 and Uintah Counties, Utah. The examinations of these nine locations involved a total of 119.1 acres of which 29.1 acres (4 miles) includes eight separate access routes associated with Units 41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y and 24-3Y. The remaining 90 acres involves ten acre parcels at all nine of the proposed Units (41-18, 14-8, 21-13Y, 21-25Y, 41,21Y, 21-9, 44-14Y, 24-3Y and 22-10Y). These evaluations were conducted on May 3 and 4, 1993 by archaeologist Glade Hadden under the supervision of F. Richard Hauck.

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

One newly identified cultural resource activity locus was evaluated and recorded during the examinations. This site (42UN 2062) consists of a non-significant lithic scatter associated with proposed Unit 44-14Y.

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

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GENERAL INFORMATION

On May 3 and 4, 1993, 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 nine separate well locations (41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y, 24-3Y and 22-10Y) and eight linear access route evaluations totaling 4 miles associated with Units 41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y and 24-3Y. This project area is situated in the Castle Peak Draw locality of Duchesne and Uintah Counties, 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.

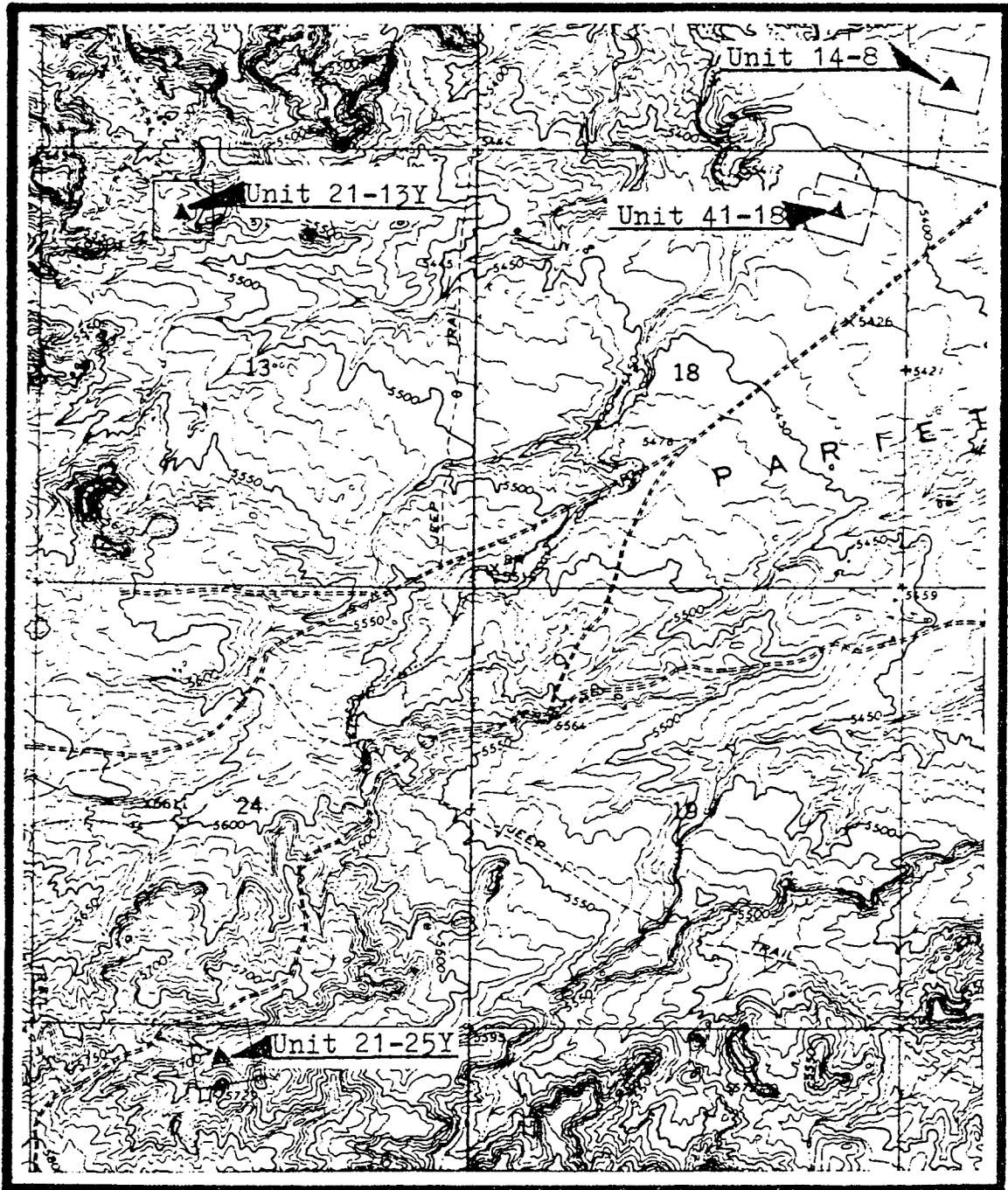
In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management relative to the locations on public lands, and to the Antiquities Section 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, 1994.

The nine evaluated well locations included nine 10 acre parcel evaluations for a total of 90 acres. A series of 15 to 20 meter-wide survey transects were walked within the 60 foot-wide corridors associated with the eight access routes covering a total distance of 4 miles or some 29.1 acres. A total of 119.1 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, Myton SW and Pariette Draw SW 7.5 minute topographic quads as shown on the attached maps.

AERL



T. 9 South
 R. 16 and 17 E
 Meridian: S.L.B.M.
 Quad: Myton SE,
 Utah

MAP 1
 Cultural Resource Survey
 of Balcron Units 41-18,
 14-8, 21-13Y and 21-25Y,
 Castle Peak Draw Area

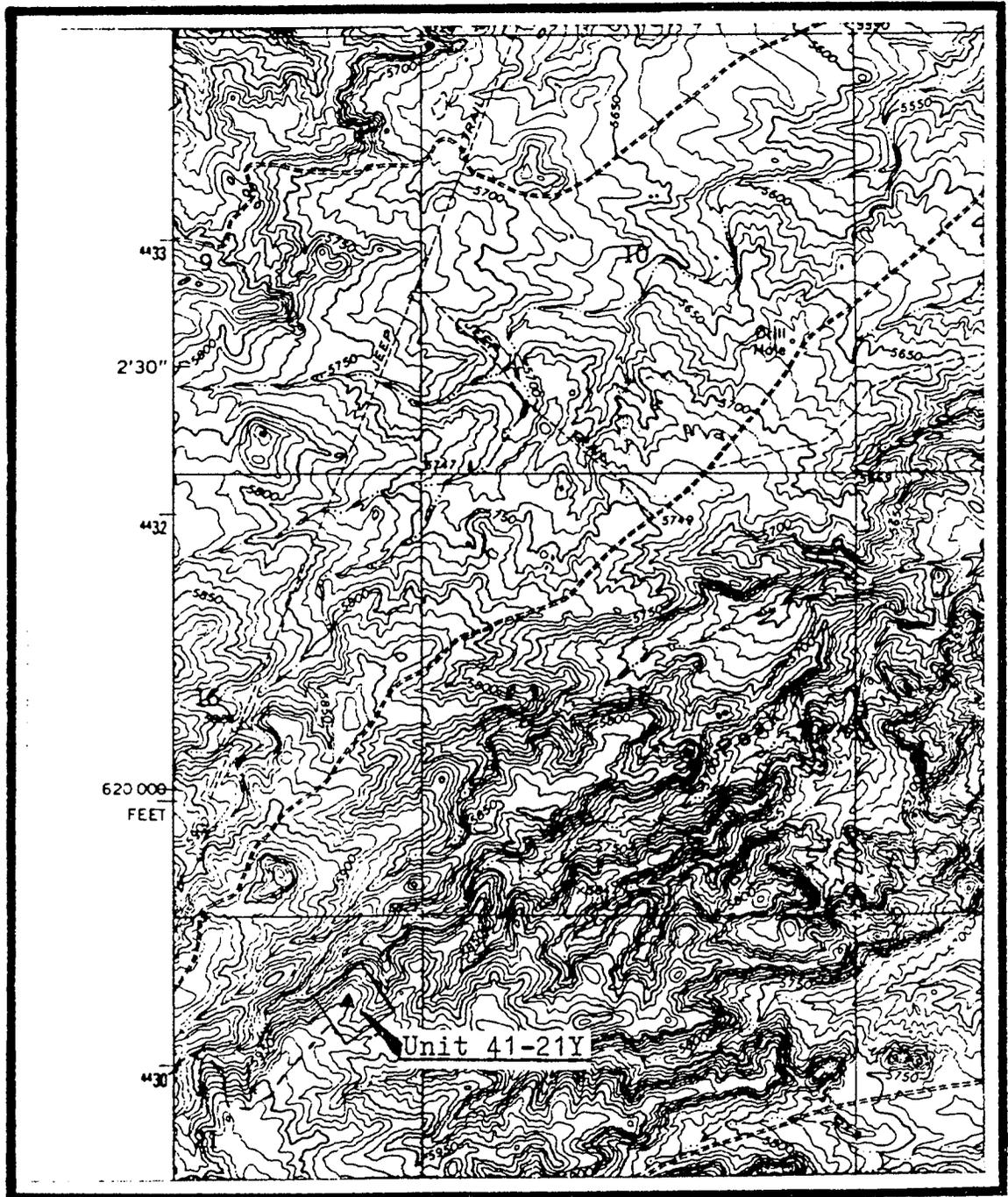
Legend:
 Well Location ▲
 Access Route - - - - -



Project: BLCR-93-1
 Series: Uinta Basin
 Date: 5-6-93



AERL



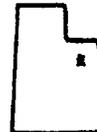
T. 9 South
 R. 16 East
 Meridian: S.L.B.M.
 Quad: Myton SE
 Utah

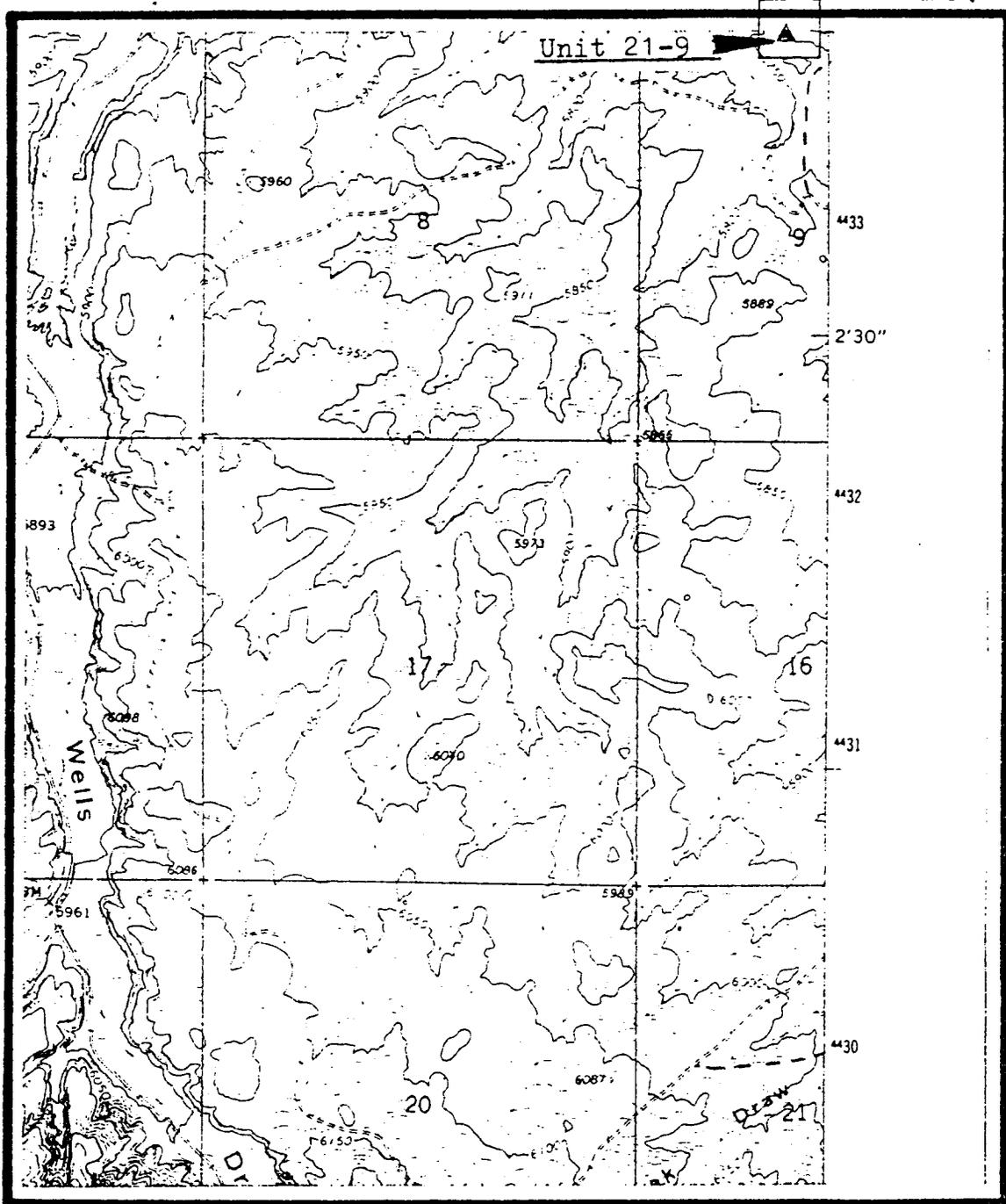
MAP 2
 Cultural Resource Survey
 of Balcron Unit 41-21Y in
 the Castle Peak Draw area
 of Duchesne County

Legend:
 Well Location ▲
 Access Route - - - - -

4
 |
 N

Project: BLCR-93-1 **Scale:** 1:24,000
Series: Uinta Basin
Date: 5-6-93 3





T. 9 South
 R. 16 East
 Meridian: S.L.B.M
 Quad: Myton SW,
 Utah

MAP 3
 Cultural Resource Survey
 of Balcron Unit 21-9 in the
 Castle Peak Draw Area of
 Duchesne County

Legend:
 Well Location ▲
 Access Route - - -

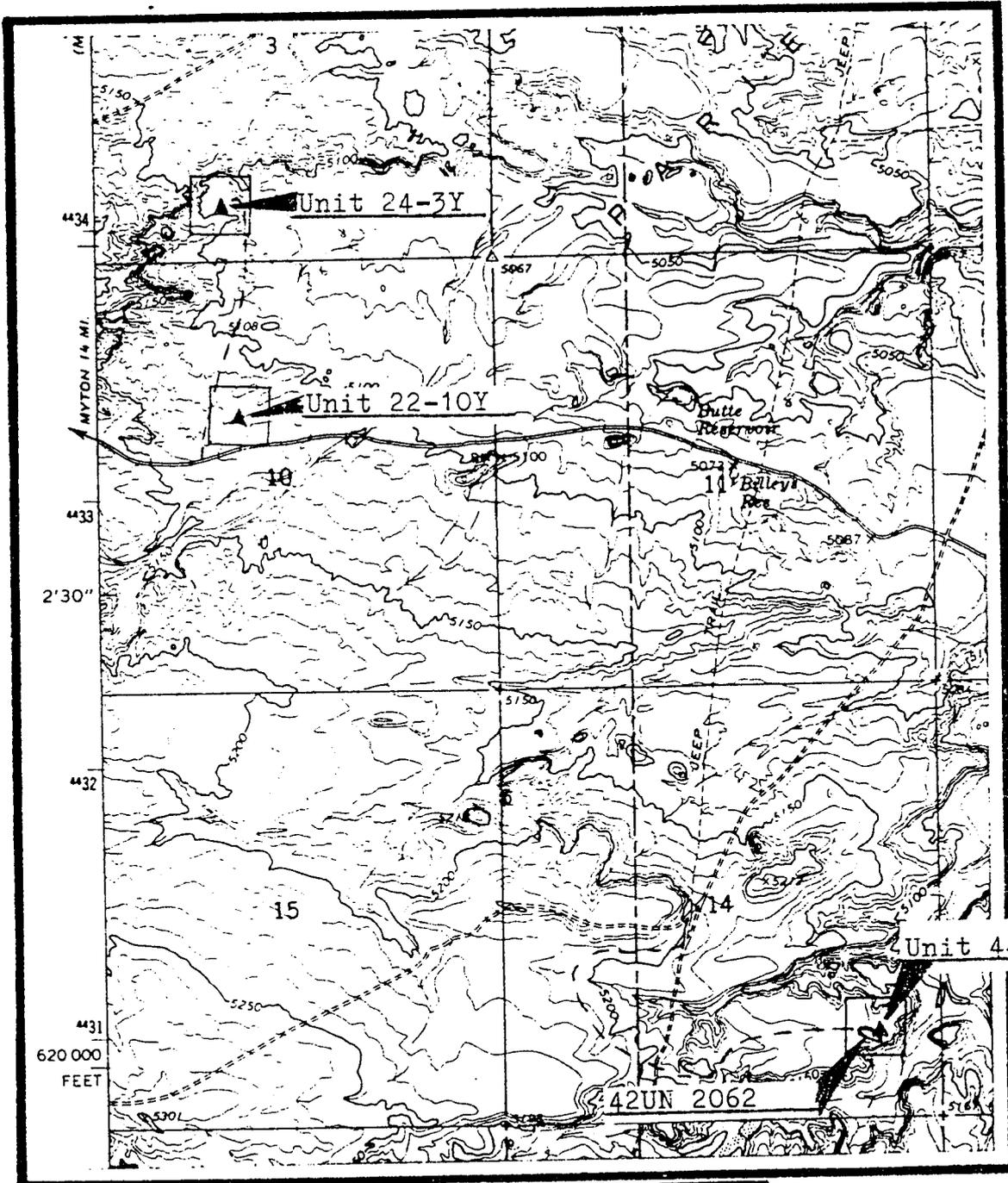


Project: BLCR-93-1
 Series: Uinta Basin
 Date: 5-6-93

Scale: 1:24,000



AERL



T. 9 South
 R. 17 East
 Meridian: S.L.B.M
 Quad: Pariette
 Draw SW,
 Utah

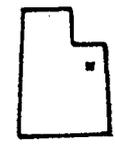
MAP 4
 Cultural Resource Survey
 of Balcron Units 44-14Y,
 24-3Y and 22-10Y in the
 Castle Peak Draw Area

Legend:
 Well Location ▲
 Access Route - - -
 Cultural Site ○



Project: BLCR-93-1
 Series: Uinta Basin
 Date: 5-6-93

Scale: 1:24,000



Unit 41-18 is situated in the NE - NE quarter of Section 18, Township 9 South, Range 17 East. Its access route extends for ca. .2 mile to the southwest from an existing road traversing the northeastern corner of that section (see Map 1).

Unit 14-8 is in the SW - SW quarter of Section 8 of that same township and range. An access route extends ca. .2 mile northeast from the same existing road to the location (see Map 1).

Unit 21-13Y is situated in Section 13, Township 9 South, Range 16 East. This unit is situated in the NE - NW quarter of that section (see Map 1). Its access route extends ca. .5 mile east along an existing jeep trail, then southeast onto the location.

Unit 21-25Y is in the NE - NW of section 25 of Township 9 South, Range 16 East. The unit is accessible via a ca. .2 mile-long access that begins at an existing road which crosses the NW corner of that section, and extends to the southeast to the well location.

Unit 41-21Y is located in the NE - NE quarter of Section 21, Township 9 South, Range 16 East (see Map 2). Its 1 mile-long access begins at an existing roadway to the southwest of the location (see Map 3).

Unit 21-9 is also located in Township 9 South, Range 16 East. It is situated in the NE - NW quarter of Section 9 (see Map 3). This unit has a ca. .4 mile access route which will connect the location with the existing road to the south of the location (see maps 2 and 3).

Unit 44-14Y is located in the SE - SE quarter of section 14, Township 9 South, Range 17 East. A ca. 1 mile access route links the unit with an existing one lane jeep trail to the west, near the center of section 14. This jeep trail, in turn, connects with a road/pipeline corridor ca. .5 mile to the north (see map 4).

Unit 24-3Y is situated in the SE - SW quarter of section 3, Township 9 South, Range 17 East. A ca. .5 mile access route connects the unit to the main Castle Peak / Pariette Bench road to the south (see map 4).

Unit 22-10Y is in the SE - NW quarter of section 10 in that same township and range. The unit is located immediately adjacent to the access route leading to unit 24-3Y (see map 4).

Environmental Description:

The project areas range within the 5100 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*, *Artemesia 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 May 5, 1993. A similar search was conducted in the Vernal District Office of the BLM on May 3, 1993. 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, 763 and 765 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), 42DC 382 identified by Grand River (Babcock 1981), and 42DC 539, 540, 541, 542, 543 and 556 recorded by BLM Archaeologist Blaine Phillips in 1983.

One site identified in the project area during the search may be affected. Site 42DC 765 is a lithic scatter/rockshelter complex located by AERC during a previous evaluation for Balcron in the area (Hauck 1992e). This site is located in section 8, adjacent to the proposed development area for unit 14-8, ca. 100 meters from the impacted area (see map 1). Site 42DC 765, while not directly affected by the proposed development may be adversely affected by the increased availability of access to the site.

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 were accomplished within each survey area by 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. 4 miles or 29.1 acres of public lands associated with the eight access routes and another 90 acres associated with the nine 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:

One non-significant prehistoric cultural resource activity locus was observed, evaluated and recorded during the archaeological evaluations. This site has been subsequently listed in the State and BLM files as 42UN 2062.

Site 42UN 2062 (see map 4) consists of a 20 x 100 meter lithic scatter that is predominantly composed of locally procured Parachute Creek chert nodules, primary and secondary flakes and a single non-diagnostic bifacially prepared

artifact. Detritus spread extends ca. 100 meters along the top of a bench associated with well location 44-14Y. Most of the site lies within the proposed development zone or access route for the unit. A small (ca. 2 x 10 meter) concentration of 6 primary and secondary flakes is associated with the single artifact. This small concentration lies entirely outside the proposed development area for the well location but is within the proposed access route. A more widely dispersed distribution of primary flakes and core fragments extending along the bench indicates limited prehistoric lithic testing and procurement activity at this site. Little potential exists for buried deposits, and no other features were noted. Site integrity is good to excellent, with the only noted impact agent being erosion, however potential for extensive occupational strata and material deposits is 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 non-significant resource. There exists little potential for providing any pertinent or valuable information on the prehistory of the region relative to criterion d of Title 36 CFR 60.6.

None of the previously recorded cultural sites in this project locality will be adversely affected by the proposed developments, with the possible exception of site 42DC 765. This site, while not directly affected, may be adversely impacted by the increased availability of access provided by the development of unit 14-8.

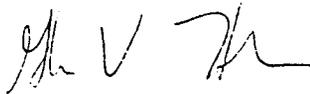
No isolated diagnostic artifacts were observed or collected during the survey. A single non-diagnostic artifact associated with site 42UN 2062 was collected.

CONCLUSION AND RECOMMENDATIONS

The development and maintenance of these nine locations will not have any direct adverse effect on any NRHP eligible cultural resources in this locality.

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

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



Glade Hadden
Field Archaeologist



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

REFERENCES

Babcock, T.

- 1981 Report on Cultural Resources Identified During an Inventory of Proposed Lomax 1-26 Well Location in the Monument Buttes Area of Duchesne County, 11/12/81. Report Prepared for Grand River Consultants, Grand Junction.

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.

1992e Cultural Resource Evaluation of 7 Proposed Well locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation (AERC), Bountiful.

Polk, Michael

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

Department of the Interior
 Bureau of Land Management
 Utah State Office
 (AERC FORMAT)

Project Authorization No. U.9.3.A.F.1.5.8.b.

Report Acceptable Yes No

Mitigation Acceptable Yes No

Comments: _____

Summary Report of
 Inspection for Cultural Resources

M O N U M E N T B U T T E S 9 W E L L U N I T S

1. Report Title

BALCRON OIL CO. (14-8, 41-18, 24-3Y, 22-10Y, 44-14Y, 41-21Y, 21-9,
 21-13Y, 21-25Y)

2. Development Company _____

3. Report Date 0 5 0 6 1 9 9 3 4. Antiquities Permit No. UT-92-54937

A E R C B L C R - 9 3 - 1 Uintah and Duchesne

5. Responsible Institution County _____

6. Fieldwork

0 9 S 1 7 E 0 3 0 8 1 0 1 4
 1 8

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

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

.D.M.

8. Description of Examination Procedures: The archeologist, Glade Hadden, acting under the direction of F.R. Hauck intensively examined nine 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.

9. Linear Miles Surveyed 4 10. Inventory Type I

and/or Definable Acres Surveyed R = Reconnaissance
 and/or Legally Undefinable 1 1 9 . 1 I = Intensive
 Acres Surveyed S = Statistical Sample

11. Description of Findings: 12. Number Sites Found .1.

One cultural resource site was identified (No sites = 0)

during the survey. Site 42UN 2062 is a 13. Collection: .Y.

lithic scatter. One biface was collected. Y = Yes, N = No)

This site is non-significant.

14. Actual/Potential National Register Properties Affected:

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

15. Literature Search, Location/ Date: Utah SHPO 5-5-93 Vernal District
 Office Records 5-3-93

16. Conclusion/ Recommendations:

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

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

17. Signature of Administrator
& Field Supervisor

UT 8100-3 (2/85)

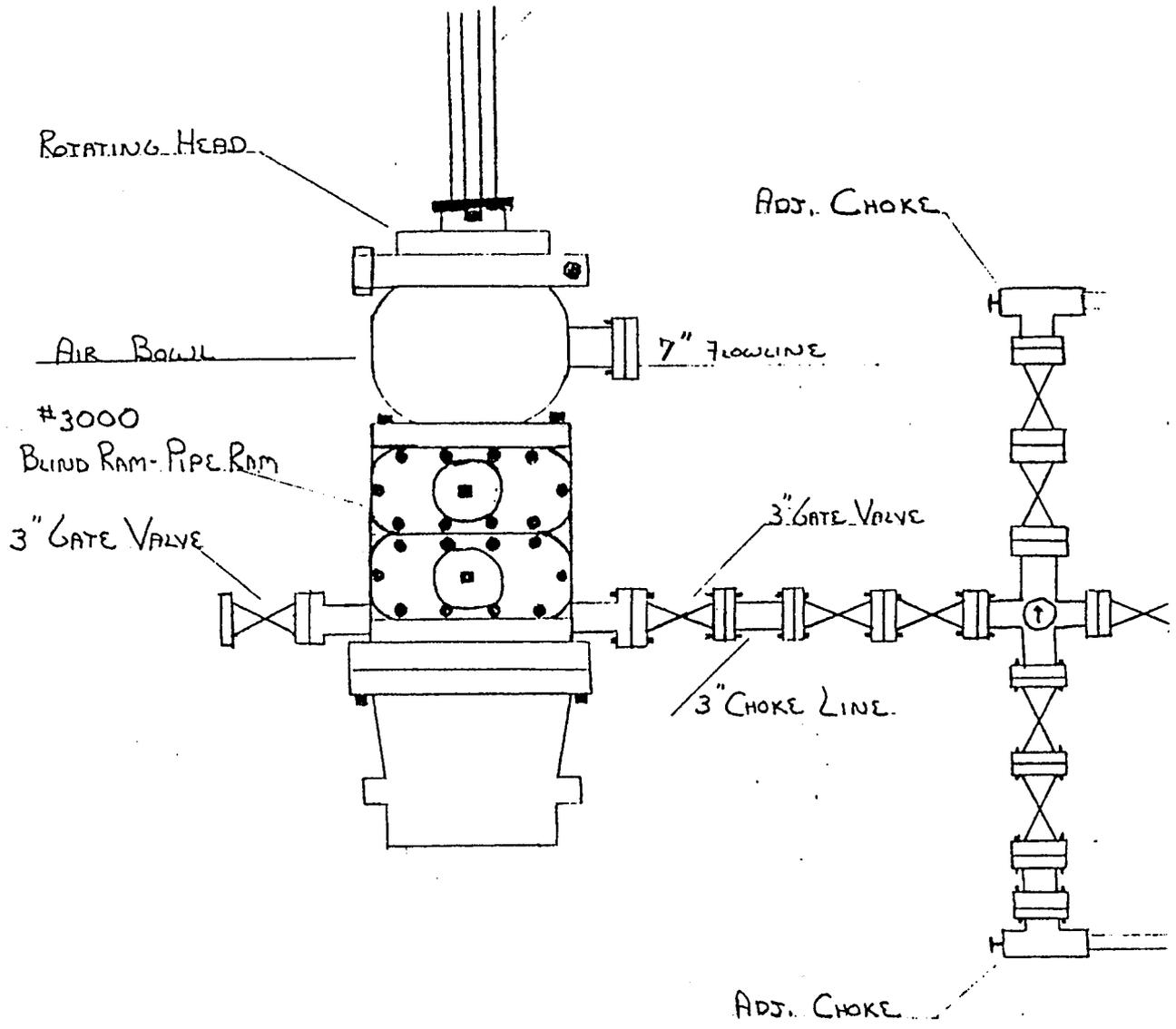
Administrator

Field
Supervisor

Mr. V. J. [Signature]

Hex Kelly ...

UNION DRILLING RIG #17

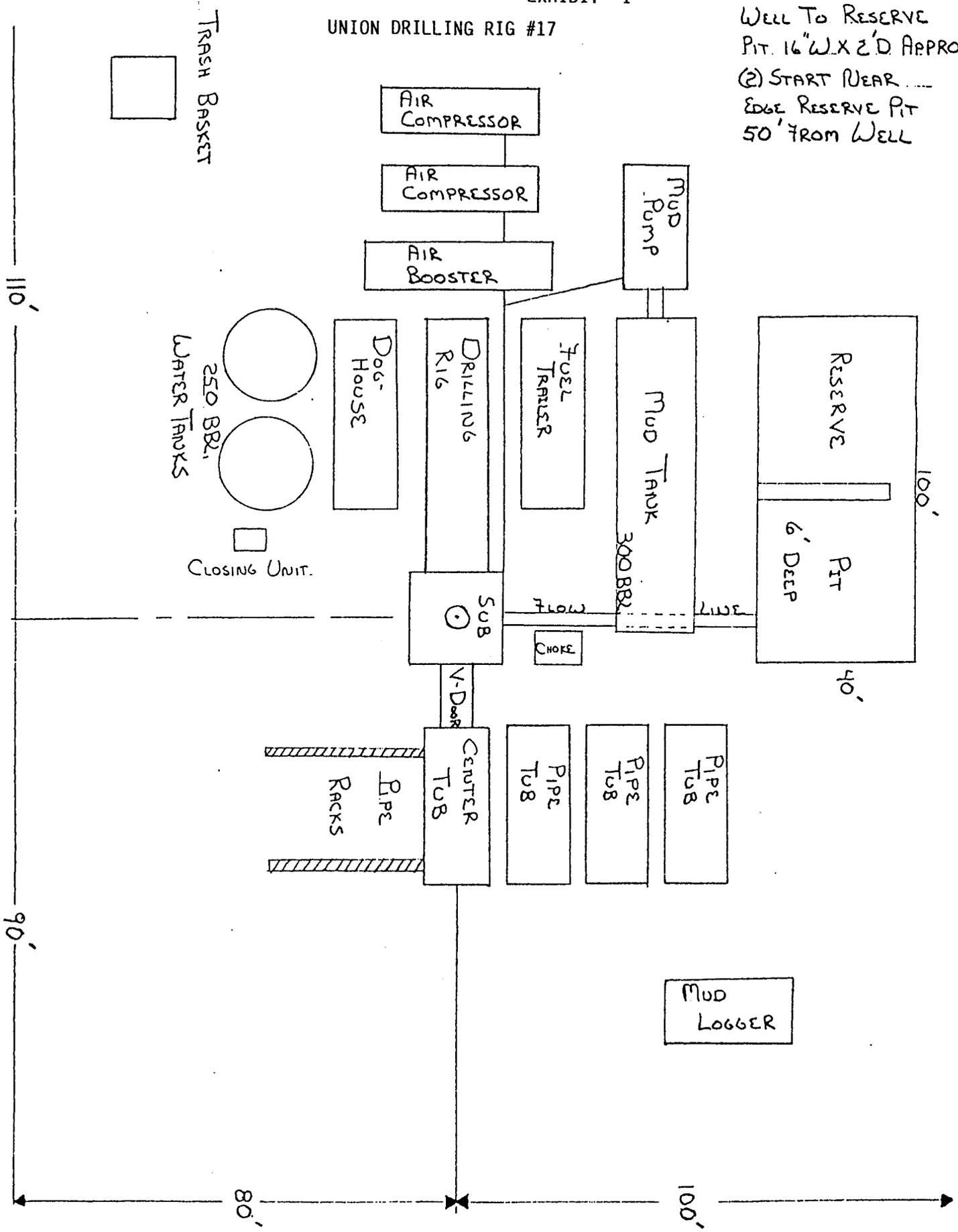


#3000 STACK

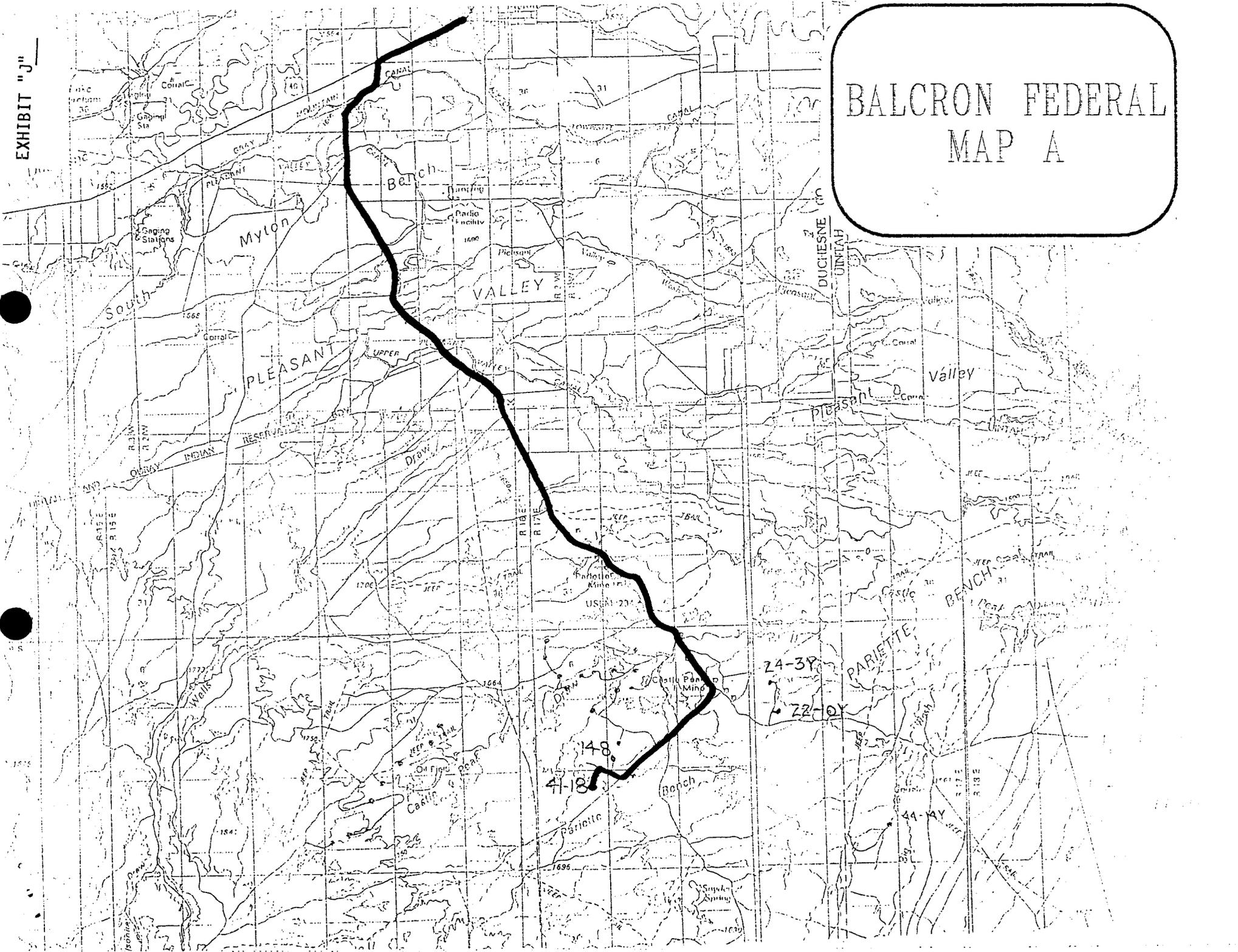
EXHIBIT "I"

UNION DRILLING RIG #17

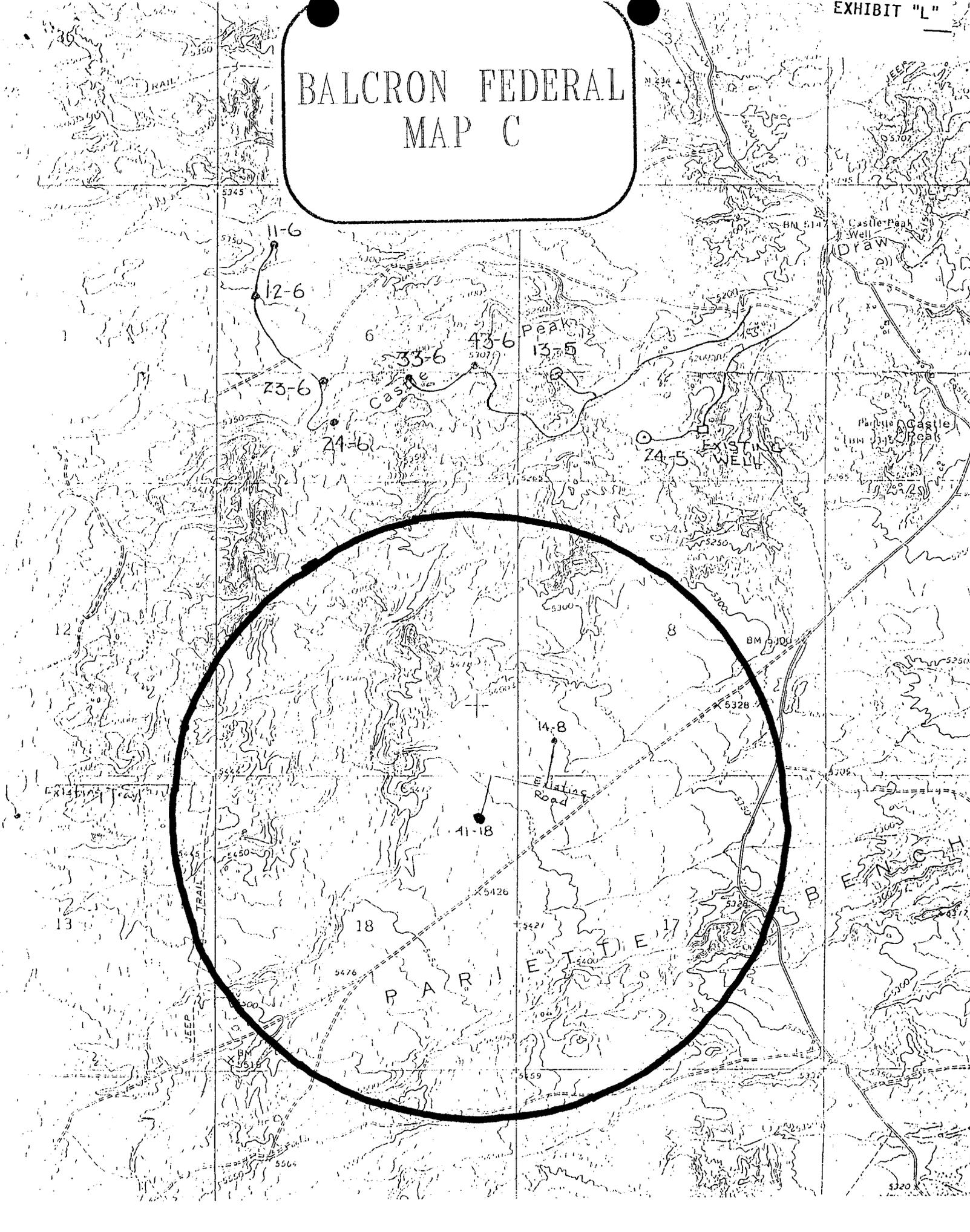
- (1) CUT DITCH FROM WELL TO RESERVE PIT. 16" W X 2' D APPROX
- (2) START NEAR ... EDGE RESERVE PIT 50' FROM WELL



BALCRON FEDERAL
MAP A



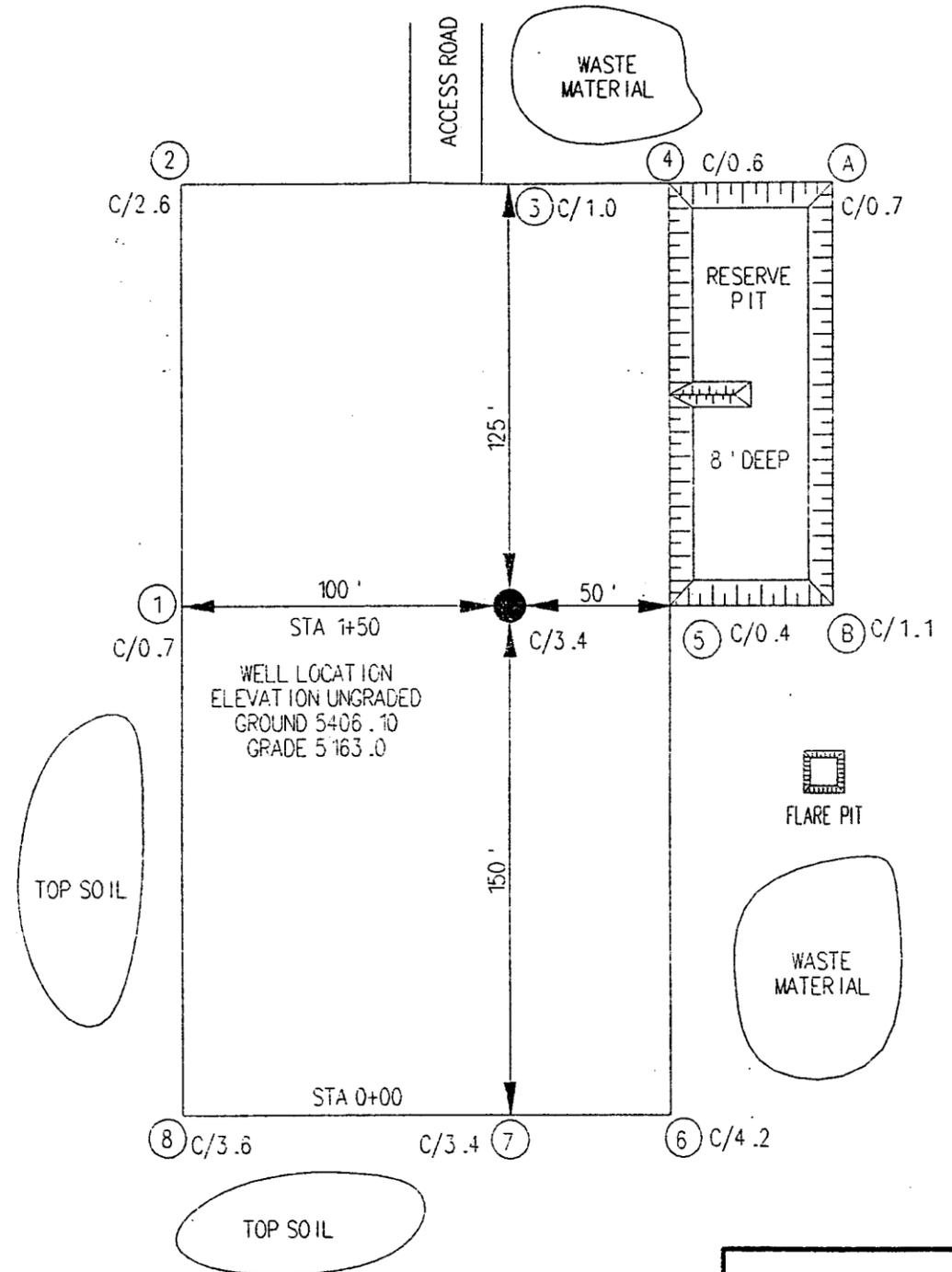
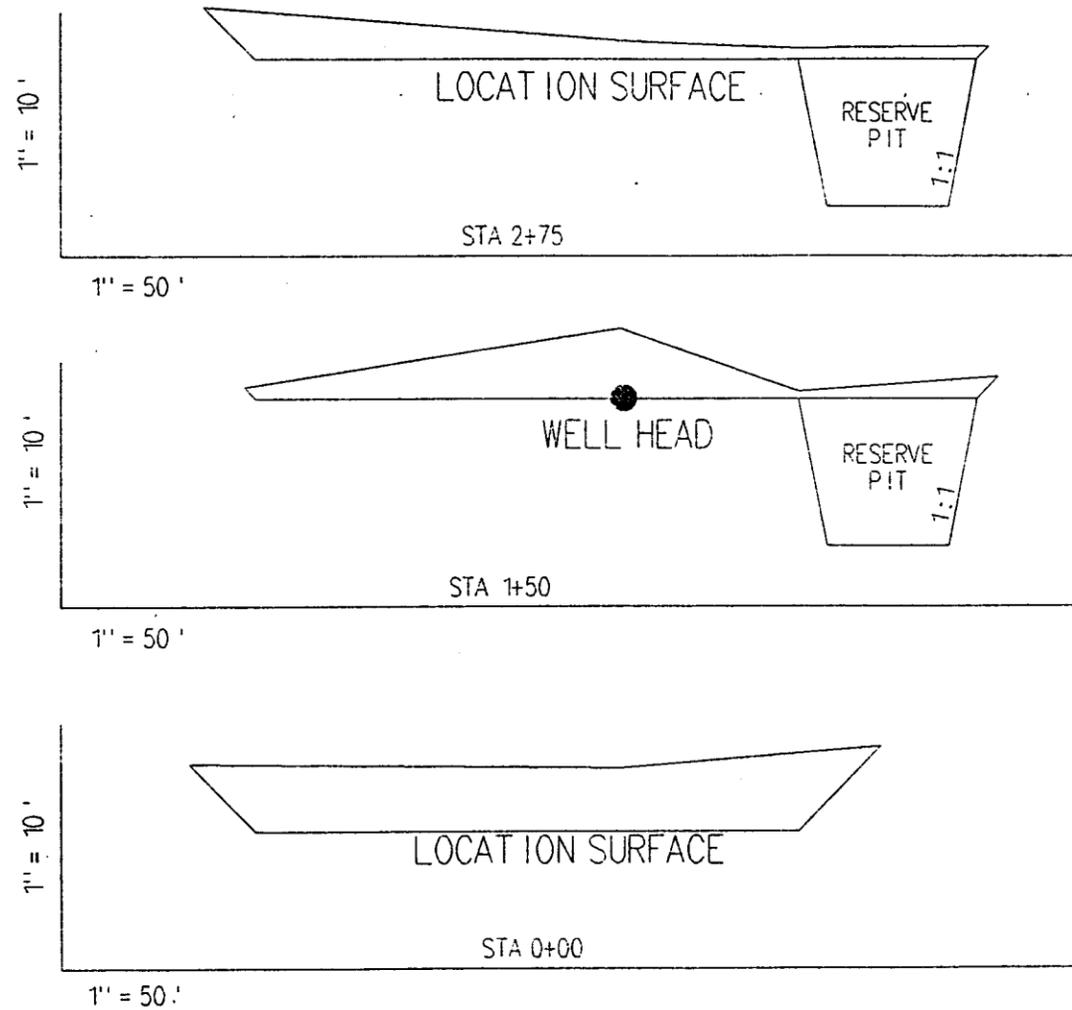
BALCRON FEDERAL MAP C



BALCRON FEDERAL

WELL LOCATION MONUMENT FEDERAL # 41-18

PLAT #1



REFERENCE POINTS

150' NW - 5407.7
 200' NW - 5408.0
 200' SW - 5410.6
 250' SW - 5411.5

APPROXIMATE YARDAGE

CUT = 3,437 Cu Yds
 FILL = 0 Cu Yds
 PIT = 1456 Cu Yds
 TOP SOIL = 880 Cu Yds

TRI-STATE
 LAND SURVEYING, INC.
 38 WEST 100 NORTH, GERRARD, IOWA 50425
 301-781-2501

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 05/20/93

OPERATOR: EQUITABLE RESOURCES
WELL NAME: BALCRON MONUMENT FEDERAL 41-18

OPERATOR ACCT NO: N- 9890

API NO. ASSIGNED: 43-013-31399

LEASE TYPE: FED LEASE NO: D-3563-A
LOCATION: NENE 18 - T09S - R17E DUCHESNE COUNTY
FIELD: MONUMENT BUTTE (105) 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/N) <input checked="" type="checkbox"/> Oil shale (Y/N) <input checked="" type="checkbox"/> Water permit (Number <u>43-9974 a-14289</u>) <input checked="" type="checkbox"/> RDCC Review (Y/N) (Date: _____)</p>	<p>LOCATION AND SITING:</p> <p>___ R649-2-3. Unit: _____ ___ R649-3-2. General. ___ R649-3-3. Exception. ___ Drilling Unit. ___ Board Cause no: _____ ___ Date: _____</p>
---	---

COMMENTS: There shall producing wells within Sec 18

CONFIDENTIAL
PERIOD
EXPIRED
ON 6-14-94

STIPULATIONS: _____
cc Duchesne county assessor.



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 [X]

RECEIVED

JUN 6 4 1993

DIVISION OF
OIL GAS & MINING

June 2, 1993

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

As requested, enclosed is a copy of the State Water Use Authorization (Water User Claim No. 43-9974) which is the water source we propose to use for drilling the wells on the enclosed list. Also enclosed as requested is an explanation of the composition of the thrifty lite cement including water, all additives, and stating its yield.

Am I correct in assuming that the 30-day posting period began as of the date the Notice of Staking was received by your office (May 3 according to the date agreed upon at the onsite inspections held May 5-6) as required and stated by 43 CFR 3162.3-1(g) rather than the May 20 date the APD was received by your office? If my interpretation of 43 CFR 3162.3-1(g) is incorrect, I would appreciate a call to discuss this.

If you need further information or have any questions, please call.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

MONUMENT BUTTE DRILLING PROGRAM

Balcron Federal #21-25Y
NE NW Section 25, T9S, R16E
Duchesne County, Utah
198.4' FNL, 2302.2' FWL
FLS #U-64380
PTD 5,650'
GL 5684.9'

Balcron Federal #41-21Y
NE NE Section 21, T9S, R16E
Duchesne County, Utah
970.2' FNL, 893.8' FEL
FLS #U-64379
PTD 6,000'
GL 5953.5'

Balcron Federal #24-3Y
SE SW Section 3, T9S, R17E
Duchesne County, Utah
561.8' FSL, 1887.2' FWL
FLS #U-64381
PTD 5,950'
GL 5099.1'

Balcron Federal #21-9Y
NE NW Section 9, T9S, R16E
Duchesne County, Utah
476.2' FNL, 2051' FWL
FLS #U-65207
PTD 6,190'
GL 5747.3'

Balcron Federal #21-13Y
NE NW Section 13, T9S, R16E
Duchesne County, Utah
702.7' FNL, 1830.5' FWL
FLS #U-64805
PTD 5,900'
GL 5535.5'

Balcron Federal #22-10Y
SE NW Section 10, T9S, R17E
Duschene County, Utah
1980' FNL, 1980' FWL
FLS #U-65210
PTD 5,850'
GL 5121.9'

MONUMENT BUTTE DRILLING PROGRAM

Balcron Federal #44-14Y
SE SE Section 14, T9S, R17E
Duchesne County, Utah
1008.2' FSL, 832.3' FEL
FLS #U-64806
PTD 5,700'
GL 5164.3'

Balcron Monument Federal #14-8
SW SW Section 8, T9S, R17E
Duchesne County, Utah
660' FSL, 660' FWL
FLS #U-007978
PTD 5,950'
GL 5370.6'

Balcron Monument Federal #41-18
NE NE Section 18, T9S, R17E
Uintah County, Utah
660' FNL, 660' FEL
FLS #U-3563-A
PTD 5,900'
GL 5406.3'

6/2/93
/rs

APPLICATION FOR PERMANENT CHANGE OF WATER

STATE OF UTAH

RECEIVED

APR 17 1987

Rec. by D.L. Cox
Fee Paid \$ 15.00
Receipt # 22150
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. 8-14289

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: P.O. Box 1162 Vernal UT 84078

2. *PRIORITY OF CHANGE: _____ *FILING DATE: _____
*Is this change amendatory? (Yes/No): _____

3. RIGHT EVIDENCED BY: 43-3525
Prior Approved Change Applications for this right: 83-43-21 84-43-73 6-14099

***** HERETOFORE *****

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

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

6. COUNTY: Duchesne

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

Description of Diverting Works: _____

8. POINT(S) OF REDIVERSION
The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN
The amount of water consumed is _____ cfs or _____ ac-ft.
The amount of water returned is _____ cfs or _____ ac-ft.
The water will be returned to the natural stream/source at a point(s): _____

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

10. NATURE AND PERIOD OF USE

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

11. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): 250 Livestock Units
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ 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
 18. COUNTY: Duchesne
 17. POINT(S) OF DIVERSION: same

Description of Diverting Works: _____

18. POINT(S) OF REDIVERSION

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

Description of Diverting Works: _____

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^{year} will be taken from

irrigation purposes and used for oilfield purposes

Acres to be irrigated will change from 55.7 to 50 acres

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

Quinn Dale Anderson
Signature of Applicant(s)

6-2-93

TO: Bobbie
FROM: Dave Mc
RE: Cement Information

Thrifty Lite Cement Composition:

Class "G" cement with;

4.0% Thrifty Lite *
3.0 Lbs/Sk CSE *
3.0% salt
0.25 Lbs/Sk Cello Flakes
200% Water

* See Attached product Description

Thrifty Lite Cement Properties:

Slurry Weight:	11.02 Lbs/Gal
Slurry Yield:	3.58 Cu. Ft./SK
Mix Water:	22.56 Gal/Sk
Est. Pump Time:	4.0 Hrs
Free Water:	0.0 CC



DV040145

PRODUCT DESCRIPTIONS

CELLO-SEAL

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

CSE

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water without the need for standard extenders.

CLASS G CEMENT (API) [Premium Cement]

Intended for use as a basic cement from surface to 8000 Ft. as manufactured, or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

SODIUM CHLORIDE (NaCl)

Commonly called salt, is used to reduce damage caused by cement filtrate and to promote better bonding. At low concentration, less than 10% by weight of mixing water, it acts as an accelerator, while at concentrations greater than 15-18%, it will retard thickening time and strength development.

THRIFTY LITE

Anhydrous sodium metasilicate compound used as an extender for cement slurries. Thrifty Lite yields a very economical filler slurry on a cost per cu. ft. of slurry basis and is a mild accelerator that will cause the slurry to set at low temperatures.



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)

June 21, 1993

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

Gentlemen:

Re: Balcron Monument Federal #41-18 Well, 660' FNL, 660' FEL, NE NE, Sec. 18,
T. 9 S, R. 17 E, 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. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

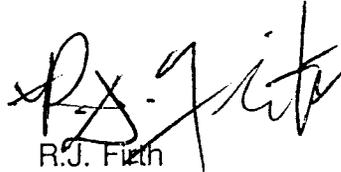


Page 2
Equitable Resources Energy Company
Balcron Monument Federal #41-18 Well
June, 21, 1993

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 43-013-31399.

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 **CONFIDENTIAL**

3. ADDRESS OF OPERATOR
P.O. Box 21017; Billings, MT 59104 (Balcron Oil Division)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
NE NE Section 18, T9S, R17E 660' FNL, 660' FEL
At proposed prod. zone
43-013-31399

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 13 miles SW of Myton, Utah

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
5,900'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 5406.3'

22. APPROX. DATE WORK WILL START*
June 1, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached for details.				

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "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
MAY 10 1993
RECEIVED

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. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE May 17, 1993

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE JUN 30 1993
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL
TO OPERATOR'S COPY

Div OGM
NOTICE OF APPROVAL
Ut 080-3m-054

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

API Number: 43-013-31399

Well Name & Number: Balcron Monument Federal 41-18

Lease Number: U-3563-A

Location: NENE Sec. 18 T. 9S R. 17E

Surface Ownership: Federal Lands administered by BLM

Date NOS Received: May 3, 1993

Date APD Received: May 20, 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.

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 base of the usable water zone, identified at \pm 321 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 121 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, spent solvents, spilled chemicals, and waste acids

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

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. More stringent protective requirements may be deemed necessary by the AO.

Additional Surface Conditions of Approval

Fall seeding is preferred and will be done after September 15 and before the ground freezes. Spring seeding will be done prior to April 15.

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 the reserve pit under Point 9E of the Multi-point Surface Use and Operation 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.

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.

For the protection of Mountain Plover nesting and the rearing of their young, drilling activities will not be allowed between March 15 and July 15.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

CONFIDENTIAL

5. Lease Designation and Serial No.

U-3563-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #41-18

9. API Well No.

43-013-31399

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 NE Section 18, T9S, R17E

660' FNL, 660' FEL

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>drilling contractor</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.)*

We will be using Molen Drilling on this well (see attached).

CONFIDENTIAL

RECEIVED

SEP 30 1993

DIVISION OF
OIL, GAS & MINING

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

Signature

Bobbie Schuman
Bobbie Schuman

(This space for Federal or State office use)

Title

Coordinator of Environmental
and Regulatory Affairs

Date

9-28-93

Approved by

Conditions of approval, if any:

Title

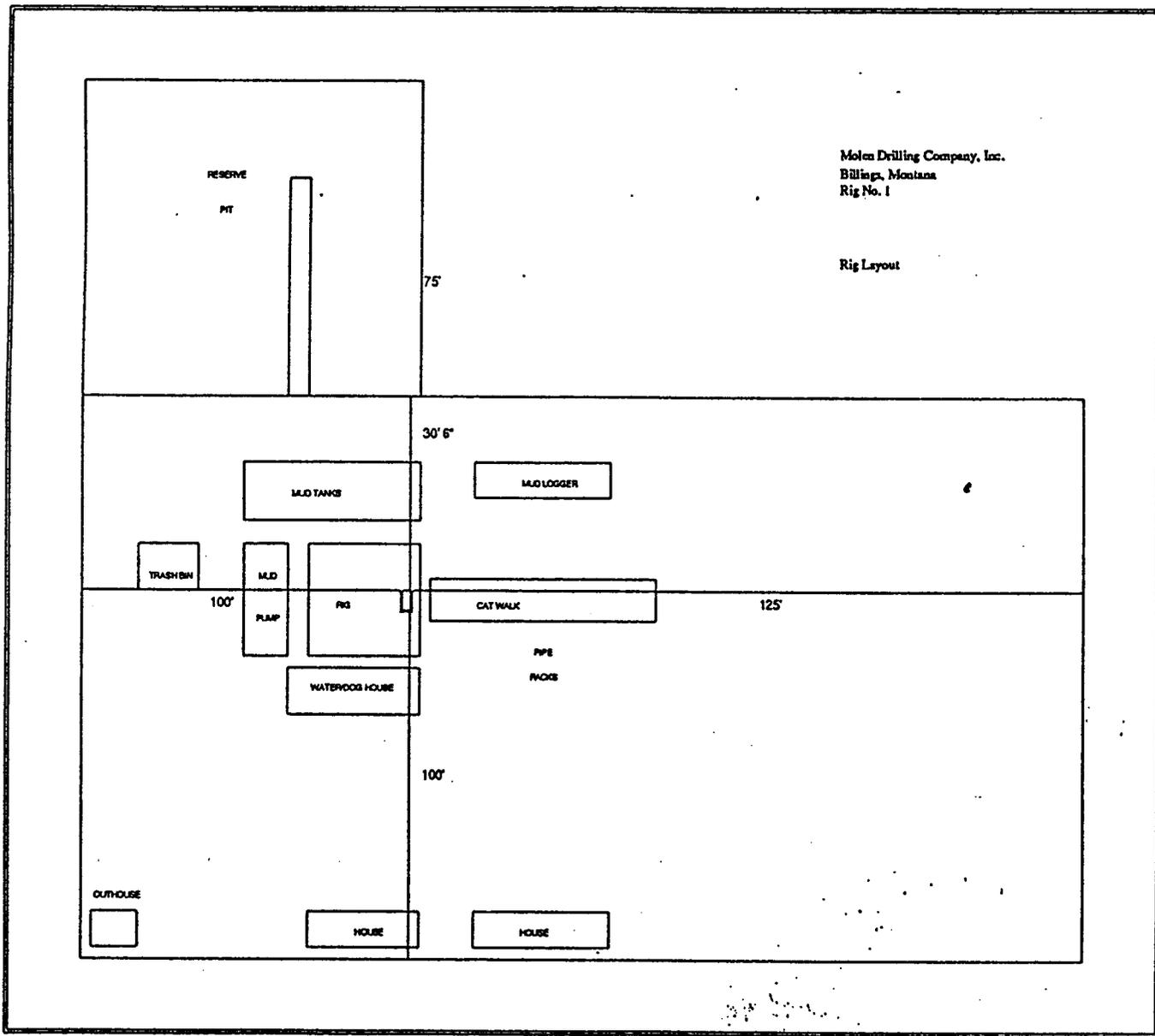
Date

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

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

Rig Layout

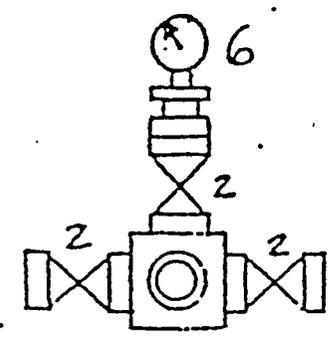
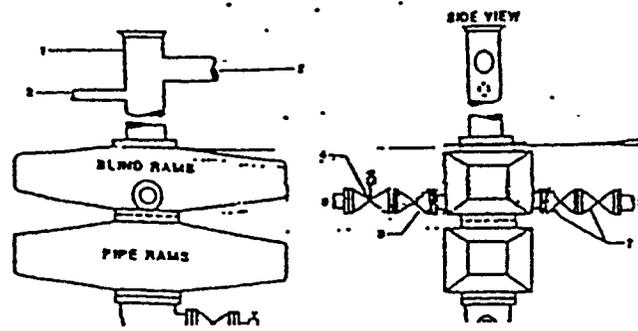
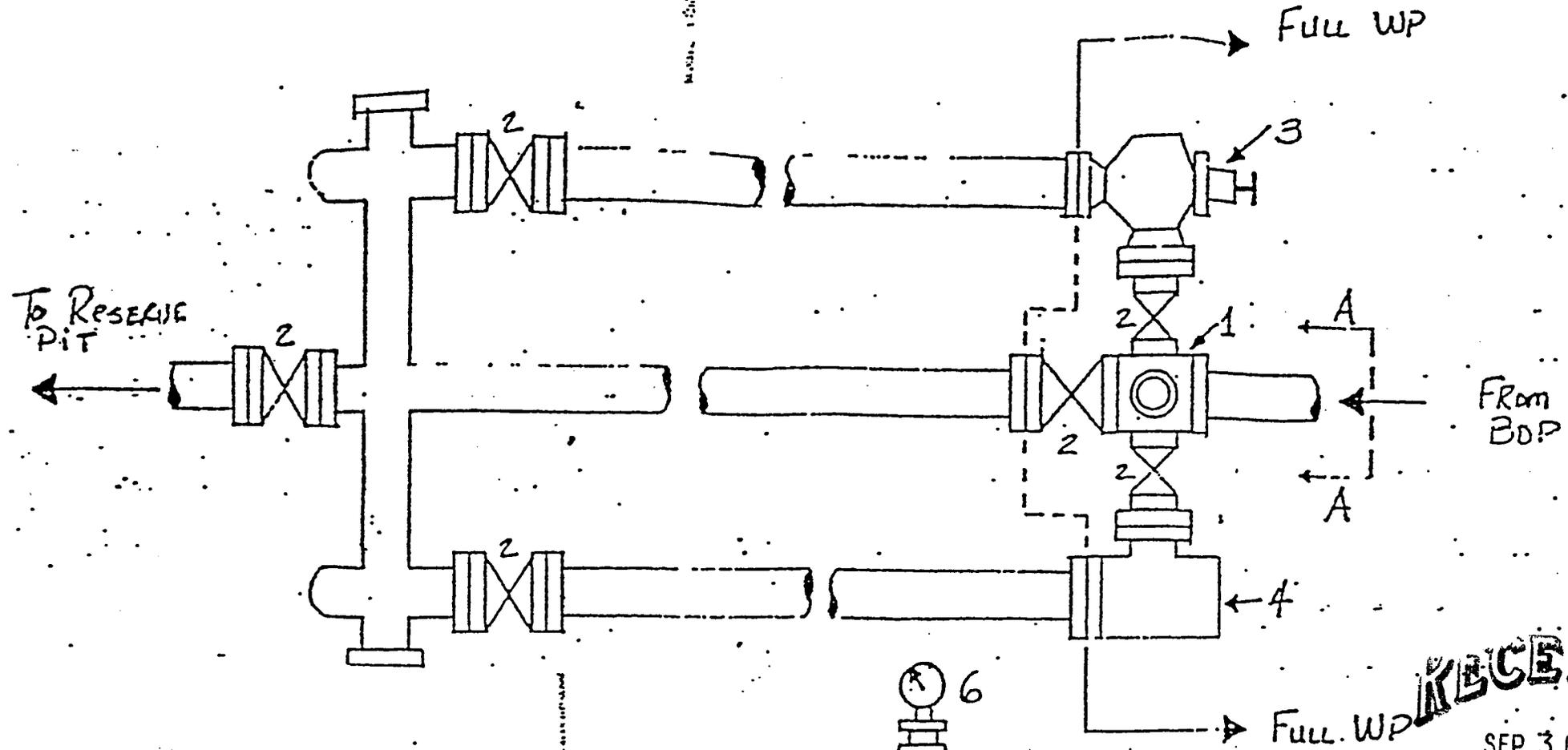


DIVISION OF
OIL, GAS & MINING

SEP 3 0 1993

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EXHIBIT "H"



VIEW A-A

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

Notes: All lines must be securely anchored.

RECEIVED
SEP 30 1993

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

CONFIDENTIAL

5. Lease Designation and Serial No.

U-3563-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #41-18

9. API Well No.

43-013-31399

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 NE Section 18, T9S, R17E
660' FNL, 660' FEL

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

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

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

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

This well was spud with a Dry-Hole spudder (Leon Ross) on 10-11-93 at 9:00 a.m.

RECEIVED

OCT 14 1993

DIVISION OF
OIL, GAS & MINING

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

Coordinator of Environmental
and Regulatory Affairs

Signed Bobbie Schuman

Title

Date October 12, 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.

*See Instruction on Reverse Side

OPERATOR Equitable Resources Energy Company,
Balcron Oil Division
 ADDRESS P.O. Box 21017
Billings, MT 59104

OPERATOR ACCT. NO. 119890

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	11536	43-013-31399	Balcron Monument Federal #41-18	NE NE	18	9S	17E	Duchesne	10-11-93	10-11-93

WELL 1 COMMENTS:

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.

(7/89)

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OCT 14 1993

DIVISION OF
 OIL, GAS & MINING

Bobbie Schuman
 Signature
 Coordinator of Environmental
 and Regulatory Affairs
 Title
 10-12-93
 Date

Phone No. 406 259-7860

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: MONUMENT FEDERAL 41-18

API NO. 43-013-31399

Section 18 Township 9S Range 17E County DUCHESNE

Drilling Contractor MOLIN

Rig # 1

SPUDDED: Date 11-3-93

Time 8:30 PM

How ROTARY

Drilling will commence _____

Reported by DENNIS-DOGM

Telephone # _____

Date 11/9/93 SIGNED JLT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

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 NE Section 18, T9S, R17E
660' FNL, 660' FEL

5. Lease Designation and Serial No.

U-3563-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #41-18

9. API Well No.

43-013-31399

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

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

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

Operator plans to plug and abandon as follows:

Plug	Interval	Sacks of Cement
Plug #1	4927'-5163'	78 sacks of Class "G"
Plug #2	2642'-2999'	143 sacks of Class "G"
Plug #3	1384'-1484'	40 sacks of Class "G"
Plug #4	302'- 402'	86 sacks of Class "G"
Plug #5	0'- 50'	20 sacks of Class "G"

NOV 17 1993

DIVISION OF
OIL, GAS & MINING

11/17/93
JAN Matthews

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

Signed *Bobbie Schuman* Title

Coordinator of Environmental
and Regulatory Affairs

Date 11-15-93

(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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(Other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESERV. Other _____

CONFIDENTIAL

2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcron Oil Division
 3. ADDRESS OF OPERATOR
P.O. Box 21017, Billings, MT 59104 (406) 259-7860
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 660' ENL, 660' FEL
 At top prod. interval reported below
 At total depth _____

5. LEASE DESIGNATION AND SERIAL NO.
U-3563-A
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a
 7. UNIT AGREEMENT NAME
n/a
 8. FARM OR LEASE NAME
Balcron Monument Federal
 9. WELL NO.
#41-18
 10. FIELD AND POOL, OR WILDCAT
Monument Butte/Green River
 11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
NE NE Section 18, T9S, R17E

14. PERMIT NO. 43-013-31399 DATE ISSUED 6-21-93
 12. COUNTY OR PARISH Duchesne 13. STATE UTAH

15. DATE SPUDED 10-11-93 16. DATE T.D. REACHED 11-14-93 17. DATE COMPL. (Ready to prod.) n/a
 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 5406.3' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5900' 21. PLUG, BACK T.D., MD & TVD n/a 22. IF MULTIPLE COMPL., HOW MANY* n/a
 23. INTERVALS DRILLED BY ROTARY TOOLS Sfc - TD CABLE TOOLS _____

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

26. TYPE ELECTRIC AND OTHER LOGS RUN 12-21-93
 MUD LOG, SPECTRAL DENSITY DUAL SPACED NEUTRON, DUAL LATEROLOG, MSS.

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#	358'	12-1/4"	180 sxs "G" + additives	n/a

29. LINER RECORD 30. TUBING RECORD

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

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

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

33. PRODUCTION

DATE FIRST PRODUCTION r/a PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) n/a WELL STATUS (Producing or shut-in) P & A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE 12-10-93

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	See Geologic Report sent	separately.	

38. GEOLOGIC MARKERS

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 JUN 16 1993
 DIVISION OF
 OIL, GAS & MINING

GEOLOGICAL WELLSITE REPORT

Balcron Oil Company
Monument Butte Federal No. 41-18
CNE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-T9S-R17E
Duchesne County, Utah

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

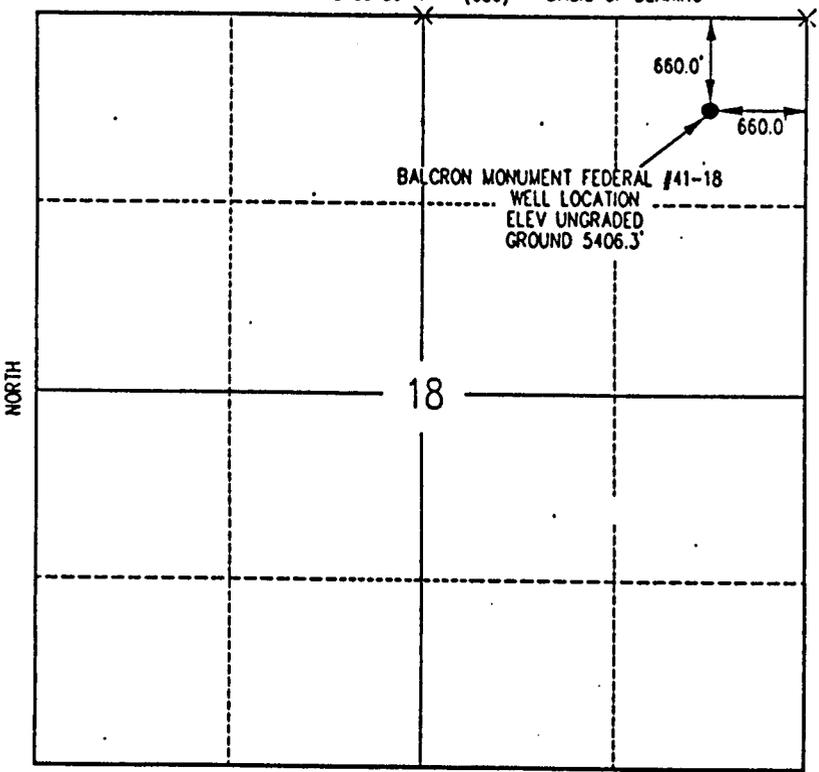
TABLE OF CONTENTS

	<u>Page</u>
Location Plat	1
Data Sheet	2
Formation Tops	3
Penetration Chart	4
Bit Record	5
Deviation Surveys	5
Well History	6-7
Sample Description	8-20
Penetration Log	

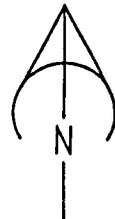
T9S, R17E, S.L.B. & M.

EQUITABLE RESOURCES ENERGY CO.

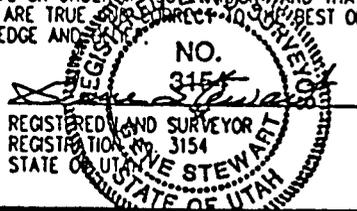
S 89°56' W' (GLO) BASIS OF BEARING



WELL LOCATION, BALCRON MONUMENT FEDERAL #41-18, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 18, T9S, R17E, S.L.B. & M, DUCHESNE COUNTY UTAH.



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



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

SCALE: 1" = 1000'	SURVEYED BY: SS JC
DATE: 4/28/93	WEATHER: CLEAR & WARM
NOTES:	FILE # 41-18

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)

DATA SHEET

OPERATOR: Balcron Oil Company

WELL NAME: Monument Butte Federal No. 41-18

LOCATION: C NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 18, Township 9 South, Range 17 East, Duchesne County, Utah

AREA: Monument Butte Field

ELEVATIONS: 5405' Ground Graded 5419' KB

DRILLED OUT: November 3, 1993 @ 8:30 PM

REACHED T.O.: November 11, 1993 @ 6:30 AM

COMPLETED: November 13, 1993 @ 10:30 AM

STATUS: Plugged & Abandoned

HOLE SIZE: 12 $\frac{1}{4}$ " Surface-358' 7 7/8" 358-5900'

TOTAL DEPTH: 5900' Driller, 5895' Logger 5' fill

DRILLING FLUID: Kcl Water BSC-T.O.

SURFACE CSG.: Ran 8 jts (347.94') 8 5/8", 24 lb., K-55 casing. Set @ 358' KB, cemented w/180 sxs Class G, 2% CaCl₂, $\frac{1}{4}$ lb/sx flocele.

PLUGGING: Permission to abandon received from the Operator and plugging approval obtained from the BLM. Plugging witnessed by Mr. Barns, field inspector for BLM-Vernal, Utah.

Plug 1	4927-5163'	78 sxs
Plug 2	2642-2999'	143 sxs
Plug 3	1384-1484'	40 sxs
Plug 4	302- 402'	86 sxs
Plug 5	0- 50'	20 sxs

DST;s: None. CORES: None.

LOGGING: Hallibutron Engineer: Hale Rock Springs, WY

1. DLL w/MSFL	BSC-T.O.
2. LDT-CNL w/Gr & Cal	3500-T.O.

MUD LOGGERS: Mountain States Well Logging Loggers: Olson, Price

CONTRACTOR: Molen Drilling Co., Rig 1 Chuck Doornek, Toolpusher

SUPERVISION: Al Plunkett

GEOLOGIST: Durwood Johnson

FORMATION TOPS

	<u>Depth</u>	<u>Datum</u>	<u>*Reference Well</u>
TERTIARY			
Unita	Surface		
Green River	1424	+3995	31' High
Horseshoe Bench	2110	+3289	
2nd Garden Gulch	3730	+1689	25' High
Yellow Marker	4354	+1065	20' High
Douglas Creek	4518	+ 901	13' High
R-5 Sand	4688	+ 731	
2nd Douglas Creek	4752	+ 667	28' High
Green Marker	4886	+ 533	16' High
G-3 Sand	4952	+ 468	
Carbonate Marker	5368	+ 51	8' High
B-1 Sandstone	5412	+ 7	
B-2 Sandstone	5452	- 33	
B-3 Sandstone	5522	- 103	
B-4 Sandstone	5701	- 282	
Uteland Carbonate	5780	- 361	9' High

TOTAL DEPTH:

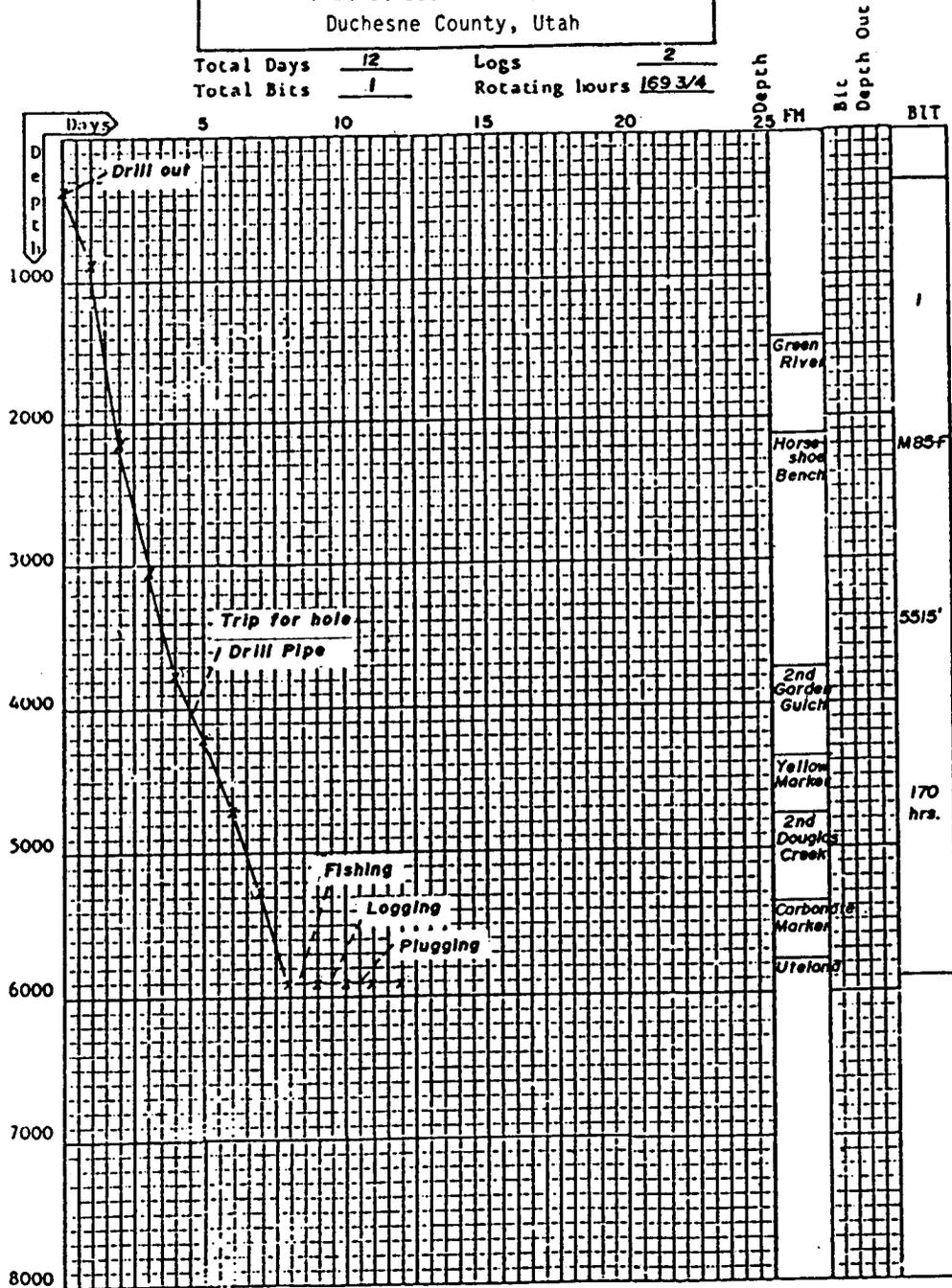
Driller 5900'
 Logger 5895' (5' fill)

* Reference Well:
 Diamond Shamrock
 Paiute Federal 11-17
 NW¼NW¼ Sec. 17-T9S-R17E
 Duchesne County, Utah

PENETRATION CHART

Balcron Federal No. 41-18
 CNE½NE¼ Sec. 18-T9S-R17E
 Duchesne County, Utah

Total Days 12 Logs 2
 Total Bits 1 Rotating hours 169 3/4



PRINTED IN U. S. A.

BIT RECORD

COUNTY Duchesne	FIELD MONUMENT BUTTE	STATE UTAH	SECTION 1B	TOWNSHIP 9 South	RANGE 17 East	LOCATION NE NE (660' x 11-660' x 11-660')	WELL NO. 41-1B			
CONTRACTOR Molen Drilling Co.	RIG NO. 1	OPERATOR BALCRON OIL COMPANY	TOOLPUSHER CHUCK DOORNER	SALESMAN WIFE CLYDE COOK						
BPUB 11-3-93	UNDER SURF. 8:30 PM	UNDER INTER.	DET BAND ST.	REACHED T.O. 6:30 AM	PUMP NO. 1 EMSCO 375	LINER 6" x 14"	PUMP NO. 2	LINER	PUMP POWER TWIN 671 GMC	TYPE MUD Kel Wtr
DRILL PIPE 4 1/2" XH	TOOL JOINTS 6 1/4"	SIZE 16.60	TYPE Grade E	O.D. 4 1/2"	NUMBER 18	O.D. 6"	I.D. 2 1/4"	LENGTH 527.82	DRAWWORKS POWER TWIN 671 GMC	

NO.	SIZE	MAKE	TYPE	JET 3/8 IN	SERIAL	DEPTH OUT	FEET	HOURS	FT/HR 22-37.4	ACCUM. DRLG. HRS.	WT. 1000 LBS.	R P M	VERT. DEV.	PUMP PRESS	PUMP OPERATION	S P M		MUD			DULL. COND.			FORMATION REMARKS	
																1	2	WT.	VIS.	WL.	T	B	S		OTHER
1	7 7/8	SEA	MASE	2/15	566532	5900	5532	169 1/4	32.6	167 1/2	40	75	1/2"	750		53	53	KEL WTR			8 8 1				
<i>DEVIATION CHECK</i>																									
					</																				

WELL HISTORY

<u>Day</u>	<u>Date</u> 1993	<u>Depth</u>	<u>Operation</u>	<u>Activity-Previous 24 Hrs. 8:00 AM-8:00 AM</u>
1	11/4	870	Drilling	Complete rigging up. Test BOPs. Pick up drill collars. Trip in w/Bit 1. Drill cement 250-358' (1¼ hrs.). Drill under surface casing 8:30 PM, 11/3/93. Drill & survey from 358 to 870'. Made 612' in 13 hrs.
2	11/5	2128	Drilling	Drill & survey from 870 to 2128'. Made 1258' in 22¼ hrs.
3	11/6	3035	Drilling	Drill & survey from 2128 to 3035'. Made 907' in 22½ hrs.
4	11/7	3720	Drilling	Drill & survey from 3035 to 3752'. Made 685' in 23 hrs.
5	11/8	4205	Drilling	Drill & survey from 3752 to 4022'. Lost 350 lbs. pump pressure. Chain out 16 stands for hole in drill pipe. Drill to 4205'. Made 485' in 19 hrs.
6	11/9	3705	Drilling	Drill & survey from 4205 to 4705'. Made 500' in 21¼ hrs.
7	11/10	5280	Drilling	Drill & survey from 4705 to 5280'. Made 575' in 23½ hrs.
8	11/11	5900	Circulate	Drill & survey from 5200 to 5900'. Made 620' in 22½ hrs. Circulate for logging.
9	11/12	5900	Fishing	Circulate for logs. WOL-3½ hrs. Trip out laying down drill pipe. Rig up loggers. Drop logging tool in hole. Cut drilling line. Pick up drill pipe. Trip in. Fishing. Chain out.
10	11/13	5900	Plugging	Complete trip out. Recover fish. Trip in. Wash & ream 60' - 20' fill. Circulate. Trip out. Rig up loggers. Logging - 4 ¾ hrs. Trip in. Circulate. Lay down 23 jts drill pipe. WOC. Rig up Dowell and set first plug.

<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>Operation</u>	<u>Activity-Previous 24 Hrs. 8:00 AM-8:00 AM</u>
	1993			
11	11/14	5900	Plugging	Trip out to 4443'. WOC - 4½ hrs. Trip in & tag plug @ 4927'. Trip out - lay down 70 jts. Set 2nd plug. WOC - 5 hrs. Tag plug @ 2742'. Trip out to 1484'. Set plug 3 @ 1484'. Trip out to 402'. Set plug 4. WOC - 3½ hrs. Tag plug. Replug w/ 20 sxs.
12	11/15	5900		Nipple down & clean mud tanks. Rig released @ 10:30 AM 11/14/93.

Balcon Federal No. 41-18
NE¼NE¼ Sec. 18-T9S-R17E
Duchesne County, Utah

SAMPLE DESCRIPTION

Geologist at wellsite at 1500'. Samples lagged and caught by Northwest Logging personnel. Sample quality is fair to good unless noted otherwise. Sample descriptions are adjusted to Dual Laterolog depths with shows underlined. Samples caught at the following intervals:

50' 1400-3700'
20' 3700-T.D.

GREEN RIVER 1424 (+3995)

- 1400-1450 Marl, light brown, gray-brown, dolomitic; grades to dolomitic Shale. Scattered light yellow and gold fluorescence, fair light yellow streaming cut - Oil Shale.
- 1450-1500 Shale, brown, reddish brown, blocky, slightly dolomitic; dull yellow fluorescence, slow cloudy cuts.
- 1500-1550 Marl, cryptocrystalline, reddish tan, dolomitic; grades to Shale, dolomitic, dense; occasional streaks Limestone, earthy, tan, argillaceous, soft; good bright gold fluorescence, occasional light yellow streaming cuts - Oil Shale.
- 1550-1600 Marl, as above; streaks Shale, gray-tan, moderately calcareous; grades to Marl; occasional streaks Limestone, as above; good light yellow to gold fluorescence, fair light yellow cuts - Oil Shale.
- 1600-1650 Marl, gray, gray-tan, calcareous; Shale, reddish brown, dolomitic; grades to Marl; trace Limestone, as above; scattered light yellow to dull yellow fluorescence, fair light yellow cuts - Oil Shale.
- 1650-1750 Marl, microcrystalline, bright reddish tan, very argillaceous to shaley; grades to dolomitic Shale; trace Limestone, earthy, pale tan, cream, argillaceous, soft; scattered light yellow and gold fluorescence, occasional light yellow cuts - Oil Shale; @ 1700 streaks Shale, gray-brown, dolomitic and calcareous; grades to Marl; gold fluorescence, primarily cloudy cuts - Oil Shale.

- 1750-1800 Limestone, microcrystalline, gray-brown, tan, dolomitic, argillaceous; grades to Marl; streaks shaley Dolomite, as above; bright gold fluorescence, fair light yellow cuts. Oil Shale.
- 1800-1900 Marl, micro-cryptocrystalline, blocky, bright tan, brown, limey and dolomitic; grades to shaley Limestone, dolomitic; fluorescence and cut, as above - Oil Shale.
- 1900-2000 Marl, gray-brown, dolomitic, limey; grades to dolomitic Shale; dull gold fluorescence, primarily cloudy cuts, few slow light yellow cuts - Oil Shale.
- 2000-2100 Marl, crypto-microcrystalline, reddish brown, dense; grades to dolomitic Shale; bright gold fluorescence, fair-good light yellow cuts - Oil Shale.
- HORSESHOE BENCH 2110 (+3289)
- 2100-2150 Marl, cryptocrystalline, as above; grades to shaley Limestone, dense; fluorescence and cut as above - Oil Shale; influx Siltstone-very fine grained Sandstone, light gray, good sorting, sub-angular, angular, tight, no show.
- 2150-2250 Marl, brown, light brown, limey and dolomitic; grades to shaley Limestone, micro-cryptocrystalline; occasional streaks Limestone, earthy, bright tan, argillaceous to shaley, soft, bright gold fluorescence, fair to good light yellow cuts - Oil Shale.
- 2250-2400 Marl, crypto-microcrystalline, brown, gray-brown, bright tan, dense, dolomitic; grades to shaley Limestone, cryptocrystalline, earthy in part, dense, scattered light-dull yellow fluorescence, good light yellow cut - Oil Shale.
- 2400-2450 Shale, as above; trace Siltstone-very fine grained Sandstone, tan, pale grayish-tan, cream, limey, siliceous, sharp; grades to sandy Limestone, scattered gold fluorescence, cloudy cut. Oil Shale.
- 2450-2500 Shale, dark brown, tan, dolomitic, petroliferous; grades to shaley Dolomite, light yellow-yellow fluorescence, good light yellow-yellow cut. - Oil Shale.
- 2500-2550 Marl, cryptocrystalline, bright tan, reddish brown; grades to shaley dolomitic Limestone; earthy in part, petroliferous appearance, fluorescence and cut, as above - Oil Shale.

- 2550-2600 Marl, as above; influx Shale, gray, dark gray, tan, silty and sandy, slightly calcareous to limey in part; primarily no fluorescence, trace dull yellow-gold, occasional slow faint cut. Oil Shale.
- 2600-2650 Shale, gray, gray-tan, silty, calcareous and dolomitic.
- 2650-2700 Marl, cryptocrystalline, bright tan, platy; grades to shaley Limestone, argillaceous, dense; streaks Shale, dark gray-brown, chunky, dolomitic, soft; abundant light yellow to yellow fluorescence, strong light yellow cut - Oil Shale.
- 2700-2750 Shale, reddish-brown, gray-brown, blocky, chunky, dolomitic, petroliferous; scattered yellow and gold fluorescence, fair whitish-yellow cut - Oil Shale.
- 2750-2850 Marl, cryptocrystalline, microcrystalline, bright tan, light brown, brown; grades to shaley Limestone, earthy in part; scattered dull yellow-yellow fluorescence, fair whitish-yellow cut - Oil Shale; @ 2800 increased Shale, as above; fluorescence and cut, as above - Oil Shale.
- 2850-2900 Marl, cryptocrystalline, tan, siliceous, calcareous; grades to dolomitic Shale; trace Limestone, crystalline, white, siliceous, dolomitic, earthy in part, scattered dull yellow fluorescence to no fluorescence, slow cloudy cut - Oil Shale.
- 2900-3000 Limestone, cryptocrystalline, light brown, tan, very dolomitic, shaley; grades to Marl; scattered bright light yellow fluorescence and dull yellow fluorescence - Oil Shale; @ 2950 Limestone becomes very shaley.
- 3000-3050 Shale, light-medium gray, blocky, silty; occasionally grades to shaley Siltstone.
- 3050-3100 Marl, earthy, cryptocrystalline, cream, white, dolomitic, siliceous in part; grades to limey Shale; streaks Shale, tan, dolomitic; grades to Marl, scattered dull yellow fluorescence, occasional slow faint cut - Oil Shale.
- 3100-3150 Limestone, cryptocrystalline, microcrystalline, tan, light brown, very argillaceous, shaley in part; bright light yellow - bright gold fluorescence, fairly slow persistent light yellow cut - Oil Shale.

- 3150-3200 Shale, gray-green, chunky, silty and sandy; grades to Siltstone-very fine grained Sandstone, slightly calcareous, argillaceous; tight; Limestone & Marl, as above, fluorescence and cut, as above - Oil Shale.
- 3200-3250 Limestone, fragmental, crystalline, cream, white, light tan, fossil fragments common, argillaceous; streaks Shale, as above; scattered light yellow-dull yellow fluorescence, fair slow light yellow cut; Shale & Marl, as above, fluorescence and cut, as above - Oil Shale.
- 3250-3350 Limestone, microcrystalline, cryptocrystalline, light brown, bright tan, occasionally very fine crystalline, earthy, fragmental, dolomitic streaks; bright light yellow and gold fluorescence, fair slow persistent light yellow cut - Oil Shale.
- 3350-3400 Shale, pale green, light gray-green, platy, moderately calcareous in part, slightly pyritic.
- 3400-3450 Shale, light-medium gray, chunky, platy, slightly calcareous in part, silty; streaks Limestone, microcrystalline, pale gray-tan, cream, argillaceous; scattered dull yellow fluorescence, cloudy cut - Oil Shale.
- 3450-3500 Shale, light green, light gray-tan, platy, slightly calcareous, influx Sandstone, very fine-fine grained, light gray, tan, poor-fair sorting, sub-rounded to rounded; scattered brown oil stain, dull yellow-yellow fluorescence with greenish cast, fair instant whitish yellow cloudy cut followed by streaming cut.
- 3500-3550 Shale, dark gray-brown, platy, splintery, slightly calcareous; dull yellow-gold fluorescence-fair light yellow cut - Oil Shale; streaks Limestone, microcrystalline, tan, earthy, argillaceous; streaks Shale, gray-green, waxy, slightly calcareous.
- 3550-3650 Limestone, cryptocrystalline, micro crystalline, tan, cream-tan, light brown, earthy in part, argillaceous; scattered dull yellow and gold fluorescence, cloudy cut; streaks Shale, as above.
- 3650-3710 Shale, pale-medium green, sub-waxy, slightly calcareous, silty in part; occasional streaks limestone, as above.
- 3710-3730 Siltstone-very fine grained Sandstone, light gray, fair sorting, sub-rounded, calcareous, appears tight;

no stain, light yellow-yellow fluorescence with greenish cast, good whitish yellow cut.

2nd GARDEN GULCH 3736 (+1689)

- 3730-3760 Limestone, micro-cryptocrystalline, tan, dark brown, earthy streaks, argillaceous, shaley in part.
- 3760-3780 Shale, pale gray, platy, occasionally silty, calcareous in part; streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, calcareous, appears tight; Limestone, as above; no stain, light yellow-yellow fluorescence, fair whitish yellow cut.
- 3780-3800 Shale, as above; influx Siltstone; occasionally grades to very fine grained Sandstone, light gray, fair-good sorting, sub-rounded, slightly calcareous, possible poor porosity - primarily loose quartz grains, no show.
- 3800-3820 Siltstone, light gray, argillaceous to shaley; streaks Shale, gray-tan, gray-green, sub-waxy, silty.
- 3820-3840 Sandstone, very fine grained, white, clear, fair-good sorting, sub-rounded, streaks poor porosity, several chips with spotty stain, primarily dark brown oil specks; dull yellow fluorescence with greenish cast, slow light yellow cut; streaks Siltstone, light gray, argillaceous, tight.
- 3840-3860 Shale, light gray green, light green, occasionally silty, slightly calcareous; streaks Limestone, earthy, tan, loose Ostracods common; scattered yellow, yellow-gold fluorescence, fair light yellow cut.
- 3860-3880 Shale, as above; increased Limestone, earthy, tan, cream-tan, argillaceous, few Ostracods.
- 3880-3900 Shale, light gray-green, green, sub-waxy, silty streaks.
- 3900-3920 Shale, light gray, platy, sub-waxy, calcareous in part, silty streaks; Siltstone, light gray, argillaceous, calcareous.
- 3920-3940 Shale, as above; streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, calcareous, tight.
- 3940-3960 Shale, pale gray, light gray-green, platy, moderately calcareous, limey streaks; Limestone, earthy, tan, light gray, argillaceous to shaley.

- 3960-3980 Shale, pale gray, tan, cream, platy, calcareous; streaks Siltstone-very fine grained Sandstone, light brown, brown, good sorting, sub-angular, appears tight; light brown even stain, dull yellow fluorescence with greenish cast, instant strong yellow grading to whitish-yellow cut.
- 3980-4000 Shale, as above; influx Sandstone, very fine grained, brown, sub-rounded, good sorting, silty, appears primarily tight; stain, fluorescence and cut, as above.
- 4000-4040 Shale, light to medium gray, sub-waxy, slightly calcareous; @ 4020 streaks Shale, light brown, brown, blocky, dolomitic; dull gold fluorescence, light yellow cloudy and poor to fair streaming cuts - Cavings?
- 4040-4100 Shale, light gray, gray, gray-green, waxy, silty in part, slightly calcareous; @ 4060 increased Siltstone-very fine grained Sandstone, white, good sorting, silty, calcareous, tight.
- 4100-4120 Shale, light to medium brown, gray-tan, platy, sub-waxy, slightly calcareous.
- 4120-4140 Shale, as above, pale green, cream, very flaky, calcareous in part; streaks Limestone, microcrystalline, tan, earthy, argillaceous.
- 4140-4160 Shale, as above; streaks Sandstone, very fine grained, white, silty, good sorting, calcareous, tight; influx reddish-brown dolomitic Shale - Cavings?
- 4160-4180 Shale, light-medium gray, platy, sub-waxy, silty in part; streaks Siltstone, light gray-white, calcareous, argillaceous, tight.
- 4180-4200 Shale, gray-tan, gray-brown, gray, silty in part, soft, calcareous; occasional streaks Siltstone, as above.
- 4200-4220 Shale, medium-dark brown, blocky, limey; streaks Limestone, cryptocrystalline, brown, earthy, argillaceous; streaks Shale, light-medium gray, waxy, slightly calcareous.
- 4220-4240 Limestone, cryptocrystalline, dark gray-brown, argillaceous to shaley, petroliferous; dull yellow-gold fluorescence, cloudy cut; Shale, as above.
- 4240-4260 Shale, light-medium gray, tan, brown, slightly calcareous, soft; streaks Siltstone-very fine grained

Sandstone, light gray, slightly calcareous, argillaceous, tight (primarily loose quartz grains).

- 4260-4280 Shale, pale gray, lumpy, moderately calcareous to limey; streaks Limestone, earthy, cream, light gray, argillaceous, soft.
- 4280-4340 Shale, pale-medium gray, platy, sub-waxy, slightly calcareous to limey; @ 4300 streaks Limestone, cryptocrystalline, dark brown, argillaceous, dense; @ 4320 occasional streaks Siltstone-very fine grained Sandstone, light gray, good sorting, argillaceous, calcareous, tight.
- YELLOW MARKER 4354 (+1065)
- 4340-4360 Shale, dark brown, dark gray-brown, black, platy, carbonaceous; Limestone, earthy, tan, argillaceous, soft; dull yellow fluorescence, fair-good light yellow cut.
- 4360-4380 Shale, pale gray-cream, pale green, pale gray, sub-waxy, slightly calcareous; influx Sandstone, very fine-fine grained, light gray, white, fair-good sorting, sub-rounded, slightly calcareous, possible poor porosity, no show - primarily loose quartz grains.
- 4380-4400 Shale, pale gray-green, sub-waxy, slightly calcareous; streaks Shale, tan, light brown, blocky, argillaceous, moderately calcareous to limey; trace LS, cryptocrystalline, dark brown, dense; brown oil stain, dull yellow fluorescence, poor to fair light yellow cut.
- 4400-4420 Shale, pale gray, as above, silty in part; occasional streaks Siltstone-very fine grained Sandstone, white, fair sorting, sub-rounded, appears primarily tight, primarily loose quartz grains.
- 4420-4440 Shale, pale gray-green, pale gray, sub-waxy, slightly calcareous.
- 4440-4480 Shale, pale gray, sub-waxy, silty, slightly calcareous, platy.
- 4480-4500 Shale, light-medium gray, gray-tan, silty, sub-waxy, slightly calcareous; occasional streaks Siltstone, light gray, argillaceous, calcareous, no visible porosity; dull yellow to yellow-gold fluorescence with greenish cast, instant flashing light yellow cut.
- 4500-4520 Shale, as above; Limestone, earthy, cryptocrystalline, light reddish-tan, mushy in part, argillaceous, grades

to Marl - Oil Shale:

DOUGLAS CREEK 4518 (+902)

- 4520-4540 Siltstone-very fine grained Sandstone, light gray, white, sub-angular, good sorting, appears tight, no show, primarily loose quartz grains.
- 4540-4580 Shale, light-medium gray, platy, slightly to moderately calcareous, silty in part; streaks Siltstone-very fine grained Sandstone, light gray, clear, grayish-tan, fair sorting, appears tight, no show; occasional streaks Limestone, as above.
- 4580-4600 Shale, as above, increased Siltstone-very fine grained Sandstone, light gray, white, fair-good sorting, sub-angular, calcareous, appears tight, no show.
- 4600-4640 Shale, pale gray, platy, slightly calcareous, silty in part; streaks Siltstone, light gray, white, calcareous, argillaceous, tight.
- 4640-4660 Shale, pale gray, gray-tan, waxy, slightly calcareous in part; occasional streaks Siltstone-very fine grained Sandstone, light gray, cream, good sorting, calcareous, argillaceous, appears tight.
- 4660-4680 Shale, as above; occasional streaks Siltstone, light gray-tan, slightly calcareous, argillaceous, tight.

R-5 SANDSTONE 4688 (+731)

- 4680-4720 Sandstone, very fine grained, cream-tan, fair-good sorting, poor porosity, questionable pale tan stain, bright whitish yellow and bluish-white fluorescence, fairly slow pale light yellow cut; streaks Shale, as above; @ 4700 Sandstone, as above, becomes fine grained in part, primarily tight, trace poor porosity; few clusters have faint tan stain, bright bluish-white fluorescence, flashing cloudy cut becomes fair light yellow streaming cut.
- 4720-4740 Shale, light to medium brown, platy, calcareous in part; occasional streaks Limestone, cryptocrystalline, tan, brown, argillaceous to shaley.

2nd DOUGLAS CREEK 4752 (+667)

- 4740-4760 Limestone, earthy, tan, light brown, argillaceous, no visible porosity; questionable light tan stain, dull yellow fluorescence with greenish cast, instant flashing cut yields to pale yellow streaming cut; Shale, as above.

- 4760-4800 Shale, pale gray, pale green, platy, slightly calcareous in part, soft; @ 4780 Shale, as above, very silty in part, becomes moderately calcareous to limey.
- 4800-4840 Shale, pale green, pale gray, waxy, silty in part; occasional streaks Siltstone-very fine grained Sandstone, white, good sorting, calcareous, tight; influx uphole cavings - reddish-tan, dolomitic Shale.
- 4840-4860 Shale, pale gray, gray-green, silty in part, slightly calcareous; occasional streaks Siltstone, light gray-white, argillaceous, dolomitic, tight; uphole cavings, as above.
- 4860-4880 Shale, dark gray, dark brown, platy, moderately calcareous, carbonaceous, petroliferous; streaks Limestone, gray-tan, earthy, argillaceous.
- GREEN MARKER 4886 (+533)
- 4880-4900 Limestone, cryptocrystalline, light tan, gray-tan, platy; streaks Shale, as above; streaks Shale, pale gray, cream, sub-waxy, moderately calcareous.
- 4900-4920 Shale, light gray, platy, sub-waxy; occasional streaks Siltstone, light gray-tan, argillaceous, calcareous, tight.
- 4920-4940 Shale, light-medium gray, occasionally green, sub-waxy, calcareous in part.
- G-3 SANDSTONE 4951 (+468)
- 4940-4960 Shale, as above; influx Sandstone, very fine grained, occasionally fine grained, light brown, brown, fair sorting, sub-angular, some secondary quartz overgrowths, fairly tight, streaks poor porosity, even brown stain, pale bright whitish-yellow to bright bluish-white fluorescence, instant strong light yellow cut.
- 4960-4980 Sandstone, as above; stain, fluorescence and cut, as above; influx Shale, light gray, gray, platy, sub-waxy, slightly calcareous in part.
- 4980-5020 Shale, pale-medium gray, slightly calcareous in part; occasional streaks Siltstone, white, light gray, calcareous, tight.
- 5020-5040 Sandstone, very fine grained, light gray, white, good sorting, calcareous, appears tight; streaks Shale, gray, platy; influx brown dolomitic Shale, yellow-gold fluorescence, fair light cut - cavings?

- 5040-5060 Shale, light-medium gray, platy, waxy.
- 5060-5080 Shale, dark gray-brown, brown, slightly calcareous in part, occasional limey streaks.
- 5080-5100 Shale, pale gray, sub-waxy, smooth, slightly to moderately calcareous.
- 5100-5120 Shale, as above; streaks Siltstone-very fine grained Sandstone, light gray, gray-tan, argillaceous, calcareous, appears tight.
- 5120-5140 Shale, as above; streaks Limestone, cryptocrystalline, earthy, tan, light brown, argillaceous to shaley; influx bright tan dolomitic Shale, dull yellow-gold fluorescence, fair-good light yellow cut - cavings?
- 5140-5160 Shale, light-medium gray, gray-tan, platy, slightly calcareous; streaks Siltstone, light gray-tan, argillaceous, calcareous.
- 5160-5180 Shale, light brown, gray-tan, platy, slightly calcareous; occasional streaks Siltstone, light gray-tan, argillaceous, calcareous, tight.
- 5180-5200 Shale, gray-tan, silty, slightly to moderately calcareous.
- 5200-5220 Shale, black, flaky, moderately calcareous to limey, carbonaceous, petroliferous, very soft in part.
- 5220-5240 Shale, as above; streaks Siltstone, gray-tan, calcareous; abundant uphole cavings.
- 5240-5260 Shale, pale gray, gray-green, lumpy, silty in part; streaks Siltstone-very fine grained Sandstone, light gray, clear - loose quartz grains; trace bluish-white fluorescence, fair-slow light yellow cut; abundant cavings.
- 5260-5280 Shale, medium-dark brown, very slightly calcareous to non- calcareous, carbonaceous, soft.
- 5280-5300 Shale, as above; increased medium brown, platy, uphole cavings common.
- 5300-5340 Shale, black, dark gray, flaky, platy, sub-waxy, calcareous in part, carbonaceous, very soft.
- CARBONATE MARKER 5368 (+51)
- 5340-5380 Shale, as above; Shale, brown, platy, calcareous; @ 5360 streaks Limestone, cryptocrystalline, brown,

tan, earthy, argillaceous.

5380-5400 Shale, pale gray, light gray-green, calcareous in part; streaks Limestone, earthy, tan, argillaceous; streaks Siltstone, light gray-gray, argillaceous, calcareous.

B-1 SANDSTONE 5412 (+7)

5400-5420 Sandstone, very fine-fine grained, light gray, white, tan, fair sorting, sub-rounded, primarily loose quartz grains, possible fair porosity, specks and patches brown stain, bright whitish-yellow and bluish-white fluorescence, instant strong light yellow cut.

5420-5440 Shale, light gray, black, gray-brown, carbonaceous.

5440-5460 Shale, brown, dark gray, platy, carbonaceous; influx Shale, pale-medium gray, platy, chunky, very silty in part.

B-2 SANDSTONE 5452 (-33)

5460-5480 Shale, as above; influx Limestone, cryptocrystalline, tan, light brown, earthy argillaceous; abundant Siltstone-very fine grained Sandstone, light gray and clear loose grains, good sorting, sub-rounded to sub-angular; trace bluish-white fluorescence, fair to good light yellowish-yellow cut.

5480-5500 Sandstone, very fine-fine grained, white, sub-rounded, fair-good sorting; few specks brown oil, occasional clusters with pale tan stain, bright bluish-white fluorescence, fair rapid good light yellow cut.

5500-5520 Sandstone, very fine-fine grained, occasionally fine grained, light gray, tan, good sorting, sub-rounded, probably fair porosity; scattered even tan stain, bright light yellow and bluish-white fluorescence, rapid whitish-yellow cut; streaks Shale, as above.

B-3 SANDSTONE 5522 (-103)

5520-5540 Shale, pale gray, gray-green, sub-waxy, slightly calcareous; streaks Sandstone, very fine-fine grained, dark gray, fair sorting, sub-rounded, possible poor porosity; few clusters have light tan stain, bright light yellow fluorescence with bluish cast - slow pale whitish-yellow cut.

5540-5560 Shale, pale-medium gray, platy, slightly calcareous, occasionally silty; streaks Sandstone, as above; no

show; trace Shale, black, blocky, carbonaceous, non-calcareous.

- 5560-5580 Shale, as above, occasionally green, black and brown; Sandstone, very fine-fine grained, light gray, clear, sub-rounded, sub-angular, fair sorting - loose quartz grains appear primarily tight, no stain, fluorescence or cut, as above.
- 5580-5600 Sandstone, very fine-fine grained, white, clear quartz grains, poor-fair sorting, sub-rounded, trace faint tan and light brown stain, bluish-white and bright whitish-yellow fluorescence, fair cut becoming cloudy.
- 5600-5620 Shale, cream, white, bentonitic, silty and sandy; streaks Shale, gray-brown, dark brown, blocky, moderately calcareous; Sandstone, as above; trace stain, fluorescence and cut, as above.
- 5620-5640 Shale, dark gray, brown, blocky, calcareous in part; streaks Limestone, cryptocrystalline, dark gray-brown, argillaceous-shaley, dense; streaks Shale, pale gray, sub-waxy, slightly calcareous.
- 5640-5660 Shale, pale gray, gray-green, gray-tan, splintery, flaky, slightly calcareous in part.
- 5660-5680 Shale, pale gray, cream, bentonitic, slightly calcareous to limey.
- 5680-5700 Shale, dark brown, chunky, blocky, moderately calcareous to limey.
- B-4 SANDSTONE 5701 (-282)
- 5700-5720 Sandstone, fine grained, occasionally medium grained, grayish-white, fair sorting, rounded, primarily loose clear and white quartz grains, few brown oil specks and scattered light tan stain, dull yellow to yellow fluorescence, slow faint light yellow cut.
- 5720-5740 Sandstone, as above; stain, fluorescence and cut, as above; Shale, dark brown, light gray, calcareous in part.
- 5740-5760 Shale, dark brown, black, as above, slightly to moderately calcareous; streaks Siltstone-very fine grained Sandstone, light gray, fair-good sorting, tight; trace Limestone, cryptocrystalline, dark brown, argillaceous, dense.
- 5760-5780 Shale, pale gray-tan, bentonitic, very silty in part.

UTELAND CARBONATE MARKER 5780 (-361)

- 5780-5840 Shale, black, dark gray-brown, petroliferous moderately calcareous to limey; streaks Limestone, cryptocrystalline, dark brown, gray-brown, argillaceous; @ 5800 influx Limestone, cryptocrystalline, brown, dark brown, argillaceous, dense.
- 5840-5860 Limestone, cryptocrystalline, brown, argillaceous, dense; faint dull yellow fluorescence with greenish cast, slow cloudy cut; Shale, as above, carbonaceous.
- 5860-5880 Limestone, cryptocrystalline, brown, tan, argillaceous, dense; streaks Shale, black, chunky, calcareous; increased fluorescence, as above, weak cloudy cut.
- 5880-5900 Shale, black, chunky, carbonaceous, moderately calcareous, occasional limey streaks; streaks Limestone, as above.

RECEIVED

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DEC 16 1993

DIVISION OF
OIL, GAS & MINING

1. Well name and number: Balcron Monument Federal #41-18
API number: 43-013-31399
2. Well location: QQ NE NE section 18 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 measurable water reported during	
		drilling operations.	

6. Formation tops: See Geologic Report submitted separately.

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

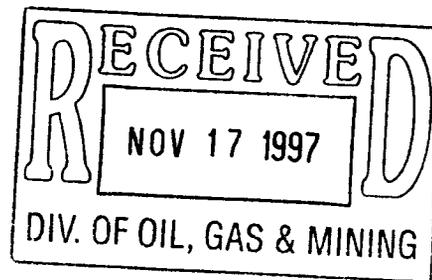
I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman
Title Coordinator of Environmental and Date 12-13-93
Regulatory Affairs

Comments:



November 13, 1997



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

Attn: Mr. Michael Hebertson

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

Dear Mr. Hebertson:

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

Sincerely,

Laurie J. Horob
Engineering Technician

Enclosures

Cc: Well File - Denver
Well File - Roosevelt

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

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

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

See Attached Exhibit

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

TYPE OF SUBMISSION	TYPE OF ACTION
<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 Change of Operator
	<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

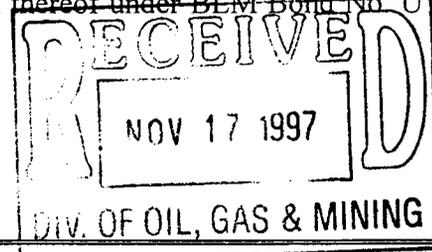
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was:

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, Montana 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by The Hartford Insurance Group.



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

Signed

Chris Smith

Title

Manager of Land

Date

11/13/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

UTP & A

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

Balcron Federal #41-10Y	Undesignated	NE NE	10	9S	16E	Duchesne	UT	5/15/95	Green River	U-65208	43-013-31478	660' FNL, 660' FEL	Vernal	
Balcron Federal #44-33Y	8 Mile Flat N.	SE SE	33	8S	18E	Uintah	UT	9/30/94	Green River	U-65969	43-047-32505	778.4' FSL, 623.7' FEL	Vernal	
Balcron Monument Fed. #13-25	Undesignated	NW SW	25	8S	17E	Uintah	UT	10/26/95	Green River	U-67845	43-047-32527	2254' FSL, 484' FWL	Vernal	
Balcron Monument Fed. #21-15J	Monument Butte	NE NW	15	9S	16E	Duchesne	UT	2/18/94	Green River	U-017985	43-013-31422	648' FNL, 1830' FWL	Vernal	Jonah Unit
Monument Federal #21-23-9-17Y	Monument Butte	NE NW	23	9S	17E	Uintah	UT	4/4/96	Green River	U-68102		773' FNL, 1809' FWL	Vernal	
Balcron State #41-36Y	Undesignated	NE NE	36	9S	17E	Uintah	UT	5/2/95	Green River	ML-42156	43-047-32564	660' FNL, 660' FEL	STATE	
Monument Federal #32-10-9-17Y	Monument Butte	SW NE	10	9S	17E	Duchesne	UT	35181	Green River	U-65210		1900' FNL, 1980' FEL	Vernal	
Cobra State #12-36	Wildcat	SW NW	36	16S	19W	Millard	UT	7/29/95	Palcozoic	State ML 43044	43-027-30034	1700' FNL, 800' FWL	STATE	
Monument Federal #44-17-9-16	Monument Butte	SE SE	17	9S	16E	Duchesne	UT	P & A 8/2/96	Green River	U-52108		660' FSL, 860' FEL	Vernal	
Monument Federal #21-12J	Monument Butte	NE NW	12	9s	16E	Duchesne	UT		Green River	U-096550	43-013-31406	661' FNL & 1780' FWL	Vernal	Jonah Unit
Monument Federal #41-18	Monument Butte	NE NE	18	9S	17E	Duchesne	UT	11-15-93	Green River	U-72106	43-013-31399	660' FNL & 660' FEL	Vernal	

CAP



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

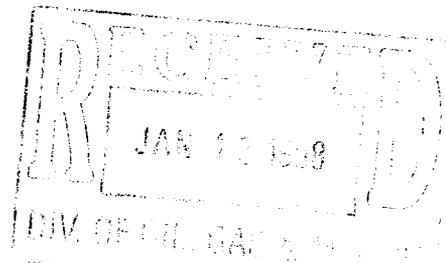
Vernal Field Office
170 South 500 East
Vernal, Utah 84078-2799

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

IN REPLY REFER TO:

3162.3
UT08438

December 9, 1997



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

Re: ⁴³⁻⁰¹³⁻³¹³⁹⁹
Well No. Monument Fed 41-18
NENE, Sec. 18, T9S, R17E
Lease U-72106
Duchesne County, Utah

Dear Sir:

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

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

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager,
Minerals Resources

cc: Division of Oil, Gas & Mining
Equitable Resources Energy Company



**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,

A handwritten signature in cursive script that reads "Molly Conrad".

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc

OPERATOR CHANGE WORKSHEET

1-LEC	6-1-97
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-IRB	

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

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

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

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

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

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

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

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

BOND VERIFICATION - (FEE WELLS ONLY)

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

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

980113 BLM / Vernal Aprv 12-9-97.

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

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



Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

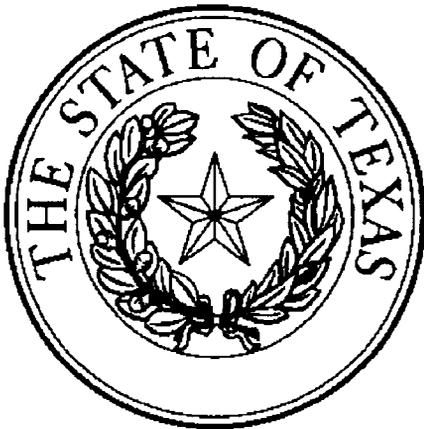
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

Come visit us on the internet at <http://www.sos.state.tx.us/>

PHONE(512) 463-5555
Prepared by: SOS-WEB

FAX(512) 463-5709

TTY7-1-1

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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



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

ROUTING	
1. GLH	
2. CDW	
3. FILE	

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

CA No. Unit:

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (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

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
- 2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

WELL NAME: **BALCRON MONUMENT FED. #41-18**
 FIELD: Monument Butte Field (Beluga Unit)
 FEDERAL LEASE NO.: U-3563-A
 LOCATION: NE NE Sec.18, T9S, R17E
 FOOTAGE: 660' FNL, 660' FEL
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.91491728
 PRODUCING FORMATION: NA
 COMPLETION DATE: NA
 INITIAL PRODUCTION: NA
 OIL/GAS PURCHASER: NA
 PRESENT PROD STATUS: P & A
 ELEVATIONS - GROUND: 5406.3' GL
 TOTAL DEPTH: 5900' KB

DATE : 11/13/95 vk
 API NO.: 43-013-31399

NET REVENUE INTEREST: 0.80471769 Oil
 0.73108274 Gas
 SPUD DATE: 10/11/93
 OIL GRAVITY:
 BHT:
 KB: 5419' KB (13' KB)
 PLUG BACK TD: NA

SURFACE CASING

STRING: 1
 CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 8 jts (347.94')
 DEPTH LANDED: 358' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 180 sxs class "G" w/ 2%
 CCI + 1/4 #/sk celloflake
 Good returns.

TUBING RECORD

SIZE/GRADE/WT.: NONE
 NO. OF JOINTS:
 TUBING ANCHOR:
 NO. OF JOINTS:
 SEATING NIPPLE:
 PERFORATED SUB:
 MUD ANCHOR:
 TOTAL STRING LENGTH:
 SN LANDED AT:

SUCKER ROD RECORD

POLISHED ROD:
 SUCKER RODS: NONE
 TOTAL ROD STRING LENGTH:
 PUMP NUMBER:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:
 PRIME MOVER:

LOGS: Spectral Density Dual Spaced Neutron II Log,
 Dual Laterolog Microspherically Focused Log

PRODUCTION CASING

STRING: 1
 CSG SIZE: NONE
 GRADE:
 WEIGHT:
 LENGTH:
 DEPTH LANDED:
 HOLE SIZE: 7-7/8"
 CEMENT DATA:
 CEMENT TOP AT:

PERFORATION RECORD

NONE

ACID JOB / BREAKDOWN JOB

NONE

FRAC JOB

NONE

P & A PROCEDURE

PLUG #1	4927' - 5163'	78 sxs class "G"
PLUG #2	2642' - 2999'	113 sxs + 30 sxs class "G"
PLUG #3	1384' - 1484'	40 sxs class "G"
PLUG #4	302' - 402'	46 sxs + 40 sxs class "G"
PLUG #5	0' - 50'	20 sxs class "G"

Elev.GR - 5406' GL
 Elev.KB - 5429' KB (13' KB)

**P & A
 WELLBORE DIAGRAM**

DATE : 11/13/95 vk

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 8 jts (347.94')
 DEPTH LANDED: 358' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 180 sxs class "G" w/ 2%
 CCI + 1/4 #/sk celloflake
 Good returns.

PRODUCTION CASING

CSG SIZE: NONE
 GRADE:
 WEIGHT:
 LENGTH:
 DEPTH LANDED:
 HOLE SIZE: 7-7/8"
 CEMENT DATA:
 CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: NONE
 NO. OF JOINTS:
 TUBING ANCHOR:
 NO. OF JOINTS:
 SEATING NIPPLE:
 PERFORATED SUB:
 MUD ANCHOR:
 STRING LENGTH:
 SN LANDED AT:

SUCKER RODS

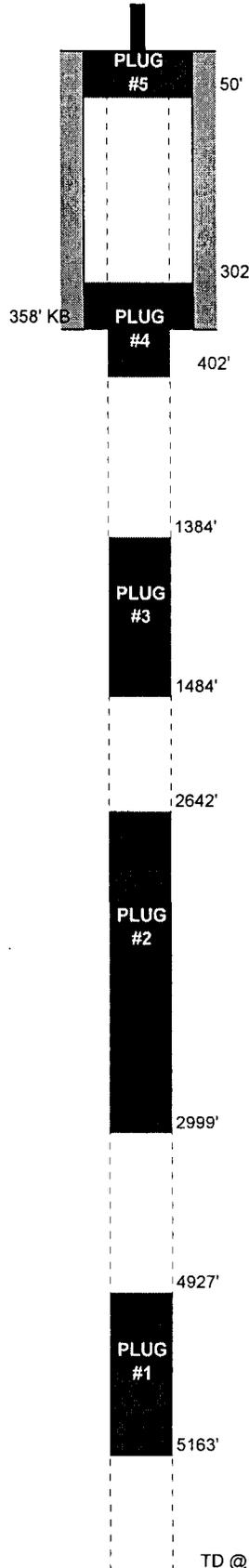
POLISHED ROD:
 SUCKER RODS: NONE

 STRING LENGTH:

 PUMP NUMBER:
 PUMP SIZE:

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

LOGS: Spectral Density Dual
 Spaced Neutron II Log,
 Dual Laterolog Micro-
 spherically Focused Log



ACID JOB /BREAKDOWN

NONE

FRAC JOB

NONE

PERFORATION RECORD

NONE

P & A PROCEDURE

PLUG #1	4927' - 5163'	78 sxs class "G"
PLUG #2	2642' - 2999'	113 sxs + 30 sxs class "G"
PLUG #3	1384' - 1484'	40 sxs class "G"
PLUG #4	302' - 402'	46 sxs + 40 sxs class "G"
PLUG #5	0' - 50'	20 sxs class "G"

TD @ 5900' KB