

UTAH OIL AND GAS CONSERVATION COMMISSION

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

460116 Confidential status expired 1-14-96 960401 Oper. Nm. Chg.
 971210 Equitable to Inland r# 9-30-97.

DATE FILED APRIL 6, 1994

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-65967 INDIAN

DRILLING APPROVED: MAY 10, 1994 (Exception Location)

SPUDED IN: 11-1-94
 COMPLETED: 12-14-94 POW PUT TO PRODUCING: 12-14-94

INITIAL PRODUCTION: 20 BOPD
 GRAVITY A.P.I. 34 deg

GOR:
 PRODUCING ZONES: 4246-5593' (GRN)
 TOTAL DEPTH: 5850'
 WELL ELEVATION: 5201 GR'
 DATE ABANDONED:

FIELD: MONUMENT BUTTE FIELD

UNIT: NA
 COUNTY: DUCHEISNE

WELL NO. BALCRON FEDERAL #44-4Y API NO. 43-013-31452

LOCATION 660' FSL FT. FROM (N) (S) LINE. 660' FEL FT. FROM (E) (W) LINE. SE SE 1/4 - 1/4 SEC. 4

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	17E	4	Inland Prod. Co. EQUITABLE RESOURCES				

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-65967
Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name n/a
Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>			7. Unit Agreement Name n/a
Name of Operator Equitable Resources Energy Company, Balcron Oil Division			8. Farm or Lease Name Balcron Federal
Address of Operator P.O. Box 21017; Billings, MT 59104			9. Well No. #44-4Y
Location of Well (Report location clearly and in accordance with any State requirements.*) SE SE Sec. 4, T9S, R17E 660' FSL, 660' FEL			10. Field and Pool, or Wildcat Monument Butte/Green River
At proposed prod. zone			11. 00, Sec., T., R., M., or Blk. and Survey or Area SE SE 4, T9S, R17E
Distance in miles and direction from nearest town or post office* From Myton, Utah, approximately 16 miles southwest.			12. County or Parrish Duchesne
Distance from proposed location* to nearest property or lease line, ft. (Also to nearest drlg. line, if any)			13. State UTAH
Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.			14. No. of acres in lease
Elevations (Show whether DF, RT, GR, etc.) GL 5201.5'			15. No. of acres assigned to this well
			16. Proposed depth 5,950'
			17. Rotary or cable tools Rotary
			18. Approx. date work will start* May 1, 1994

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 this well in accordance with the attached Federal APD.

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.

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

Signature: Bobbie Schuman

Title: Regulatory and Environmental Specialist

Date: March 31, 1994

(This space for Federal or State office use)

API NO. 43-013-31452

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

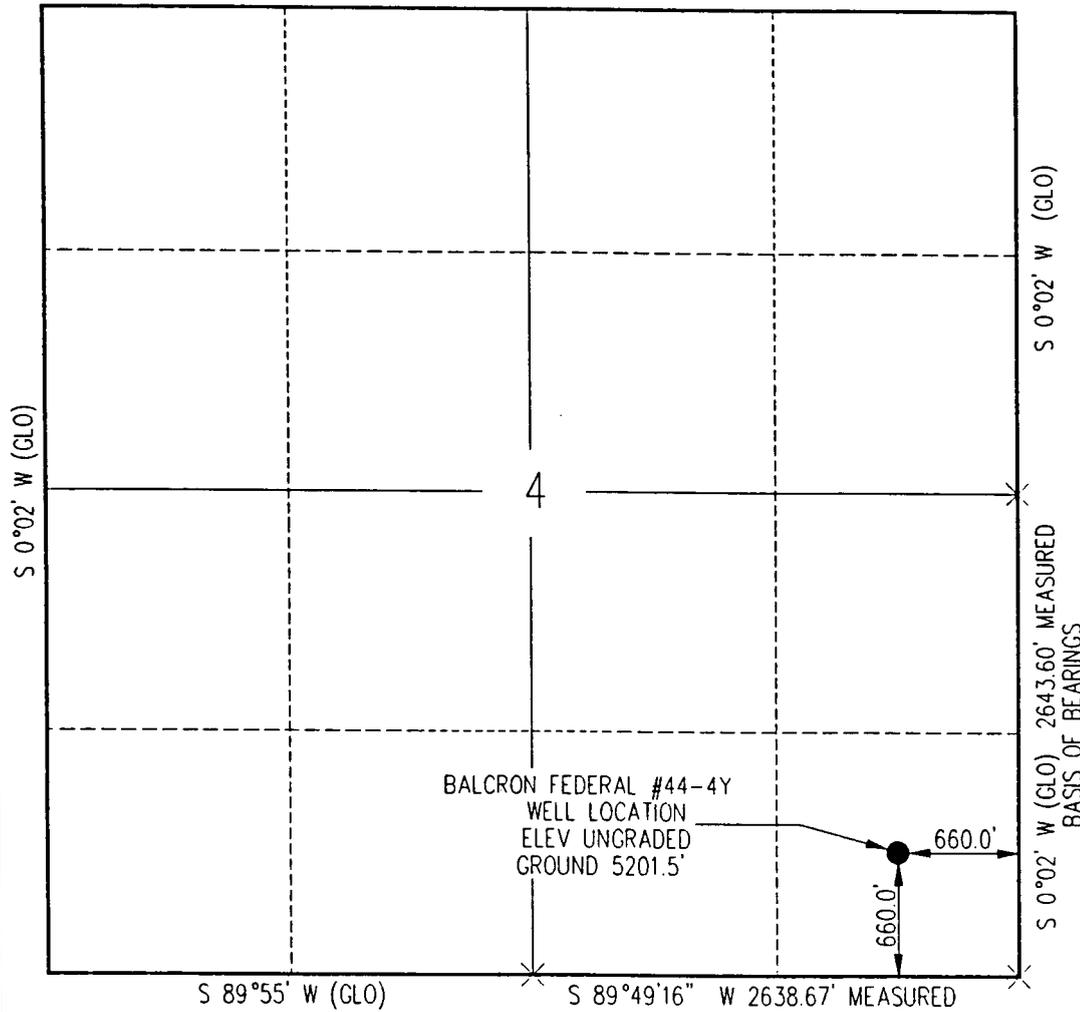
Approved by: _____ Title: _____

DATE: 5-10-94
BY: JM Matthews
WELL SPACING: R649-2-3

*See Instructions On Reverse Side

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

S 89°58' W (GLO)



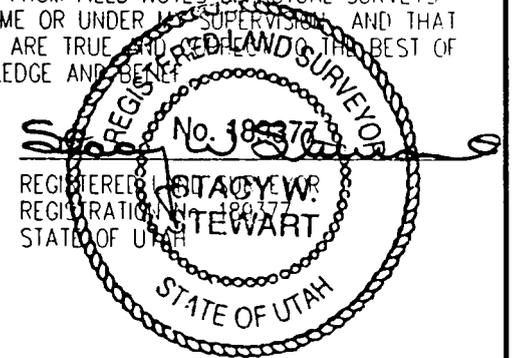
BALCRON FEDERAL #44-4Y
 WELL LOCATION
 ELEV UNGRADED
 GROUND 5201.5'

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON FEDERAL
 #44-4Y, LOCATED AS SHOWN IN THE SE 1/4
 SE 1/4 OF SECTION 4, T9S, R17E, S.L.B. & M,
 DUCHESNE COUNTY UTAH.



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



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)

WEATHER: STORMY & COLD
 DATE: 2/18/94
 SCALE: 1" = 1000'
 SURVEYED BY: SS CB
 FILE: 44-4Y



EXHIBIT "F"

Balcron Federal #44-4Y
SE SE Section 4, T9S, R17E
660' FSL, 660' FEL
Duchesne County, Utah
Monument Butte Field
FLS #U-65967
PTD: 5,950'
GL: 5201.5'

Balcron Federal #44-33Y
SE SE Section 33, T8S, R18E
778.4' FSL, 623.7' FEL
Uintah County, Utah
Eight Mile Flat North Field
FLS #U-65969
PTD: 6,000'
GL: 4850.7'

Balcron Federal #31-5Y
NW NE Section 5, T9S, R18E
660' FNL, 1980' FEL
Uintah County, Utah
Eight Mile Flat North Field
FLS #U-65970
PTD: 5,950'
GL: 4867.1'

Balcron Federal #41-19Y
NE NE Section 19, T9S, R18E
660' FNL, 660' FEL
Uintah County, Utah
Eight Mile Flat North Field
FLS #U-65635 (EXPIRES 8/1/94)
PTD: 5,550'
GL 5129.9'

CONFIDENTIAL

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

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

EXHIBITS FOR "Y" WELLS:

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

3/31/94/rs

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Federal #44-4Y
SE SE Section 4-T9S-R17E
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the 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 attachment:

Drilling Program/Casing Design (EXHIBIT "D")

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON FEDERAL #44-4Y
SE SE SECTION 4, 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' East and 175' & 225' North.
- B. The Monument Federal #44-4Y is located 16 miles Southwest of Myton Utah in the SE1/4 SE1/4 Section 4, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 44-4Y, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 10.7 miles to a road intersection, turn right and continue 0.3 miles to proposed access road sign. Follow flags 350 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"

Approximately 350 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 - Less than 8%
- 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 is included in this APD.
- 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 or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the beginning of drilling operations.

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 one hundred twenty (120) 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. The reserve pit will be lined

with a 12 mil plastic 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 Onshore Order #7, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

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

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

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the West side of location. The flare pit will be located downwind of the prevailing wind direction on the Northwest near corner #6. Access will be from the South near corner #2.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.
- D. A diagram showing the proposed production facility layout is included in this APD.
- E. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- F. 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.

- G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion 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. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

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

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

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

Seedbed will be prepared by disking, 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 15 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 seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 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:

(c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at

the time of abandonment.

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

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 13 miles Southwest of Myton Utah.

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

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

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

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

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

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

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

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

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 2. There are no occupied dwellings in the immediate area
 3. An archaeological report will be forwarded upon completion.
 4. There are no reported restrictions or reservations noted on the oil and gas lease.
 5. A silt catchment dam will be constructed approximately 200' Northeast of corner #2 where flagged.

13. OPERATOR'S REPRESENTATIVES:

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

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

Dale Griffin, Operations Supervisor Mobile: (801) 828-7291

14. CERTIFICATION:

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

March 31, 1994
Date (

Bobbie Schuman
Bobbie Schuman
Regulatory and Environmental
Specialist
Equitable Resources Energy
Company, BALCRON OIL DIVISION

3/30/94
/rs

Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name	BALCRON FEDERAL #44-4Y	Exploratory		Control Well	BF #24-3Y
Location	SESE SEC 4-T9S-R17E (660' FSL, 660' FEL)	Development	X	Operator	BALCRON OIL
County	DUCHESNE	Field		KB	5110
State	UTAH	Section	SESE 4	Section	SESW 3
Total Depth	5950	Township	9S	Township	9S
GL (Ung)	5201.5	Range	17E	Range	17E
	EST. KB		5210		

Formation Tops	Prognosis		Sample Top		Control Well	High/Low		Deviation
	Formation	Depth	Datum	Depth	Datum	Prog	Cntl	
UINTA	SURFACE							
GREEN RIVER	1480	3730			3700			
HORSEBENCH SS	2257	2953			2923			
2ND GARDEN GULCH	3867	1343			1313			
Y-3 SAND (PAY)	4180	1030			1000			
YELLOW MARKER	4479	731			701			
DOUGLAS CREEK	4646	564			534			
R-2 SAND (PAY)	4745	465			435			
R-5 SAND (PAY)	4835	375			345			
2ND DOUGAS CREEK	4885	325			295			
GREEN MARKER	5022	188			158			
CARBONATE MARKER	5481	-271			-301			
B-1 SAND (PAY)	5513	-303			-333			
B-2 SAND (PAY)	5574	-364			-394			
UTELAND BUTTE LS	5886	-676			-706			
TD	5950							

Samples
 50' FROM 1400' TO 4000'
 10' FROM 4000' TO TD

DST,s
 DST #1 NONE
 DST #2
 DST #3
 DST #4

Wellsite Geologist
 Name: _____
 From: _____ to: _____
 Address: _____
 Phone # _____ wk.
 _____ hm.
 Fax # _____

Logs
 DLL FROM SURF CSG TO TD
 LDT/CNL FROM 3600' TO TD

Cores
 Core #1 NONE
 Core #2
 Core #3
 Core #4

Mud Logger/Hot Wire
 Company: _____
 Required: (Yes/No) YES
 Type: TWO MAN
 Logger: _____
 Phone # _____
 Fax # _____

Comments: _____

Report To: 1st Name: DAVE BICKERSTAFF Phone # (406)259-7860 wk. 245-2261 hm.
 2nd Name: KEVEN REINSCHMDT Phone # " wk. 248-7026 hm.
Prepared By: K.K.REINSCHMIDT 3/4/94 Phone # _____ wk. _____ hm.

DRILLING PROGRAM

WELL NAME: Balcron Federal #44-4Y PROSPECT/FIELD: Monument Butte Area
 LOCATION: SE SE Sec. 4 Twn. 9S Rge. 17E
 COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5950

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
 7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
STRING TYPE					
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	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.

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.

depending on the drilling contractor either:
 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.
 b.) Drilling will be done using 2% KCl water and gel.

COMMENTS

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

Operator: BALCRON OIL	Well Name: Balcron Fed. 44-4Y
Project ID:	Location: Duchesne Co. Utah

Design Parameters:

Mud weight (8.50 ppg) : 0.442 psi/ft
 Shut in surface pressure : 1 psi
 Internal gradient (burst) : 0.442 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

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

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,950	5-1/2"	15.50	K-55	ST&C	5,950	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2627	4040	1.538	2627	4810	1.83	92.23	222	2.41 J

Prepared by : McCoskery, Billings, MT
 Date : 03-31-1994
 Remarks :

Minimum segment length for the 5,950 foot well is 1,500 feet.
 The mud gradient and bottom hole pressures (for burst) are 0.442 psi/ft and
 2,627 psi, respectively.

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

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

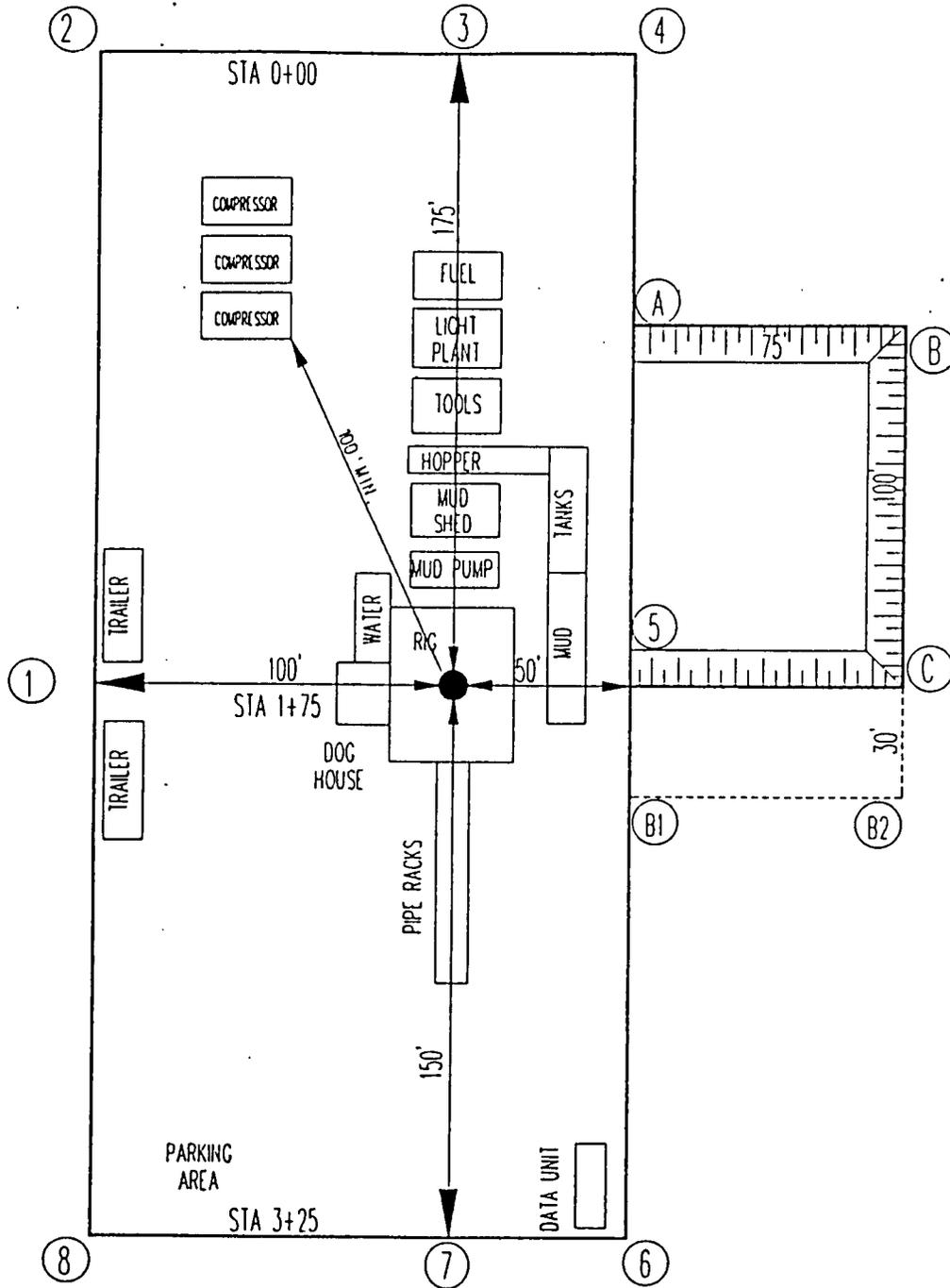
We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

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

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

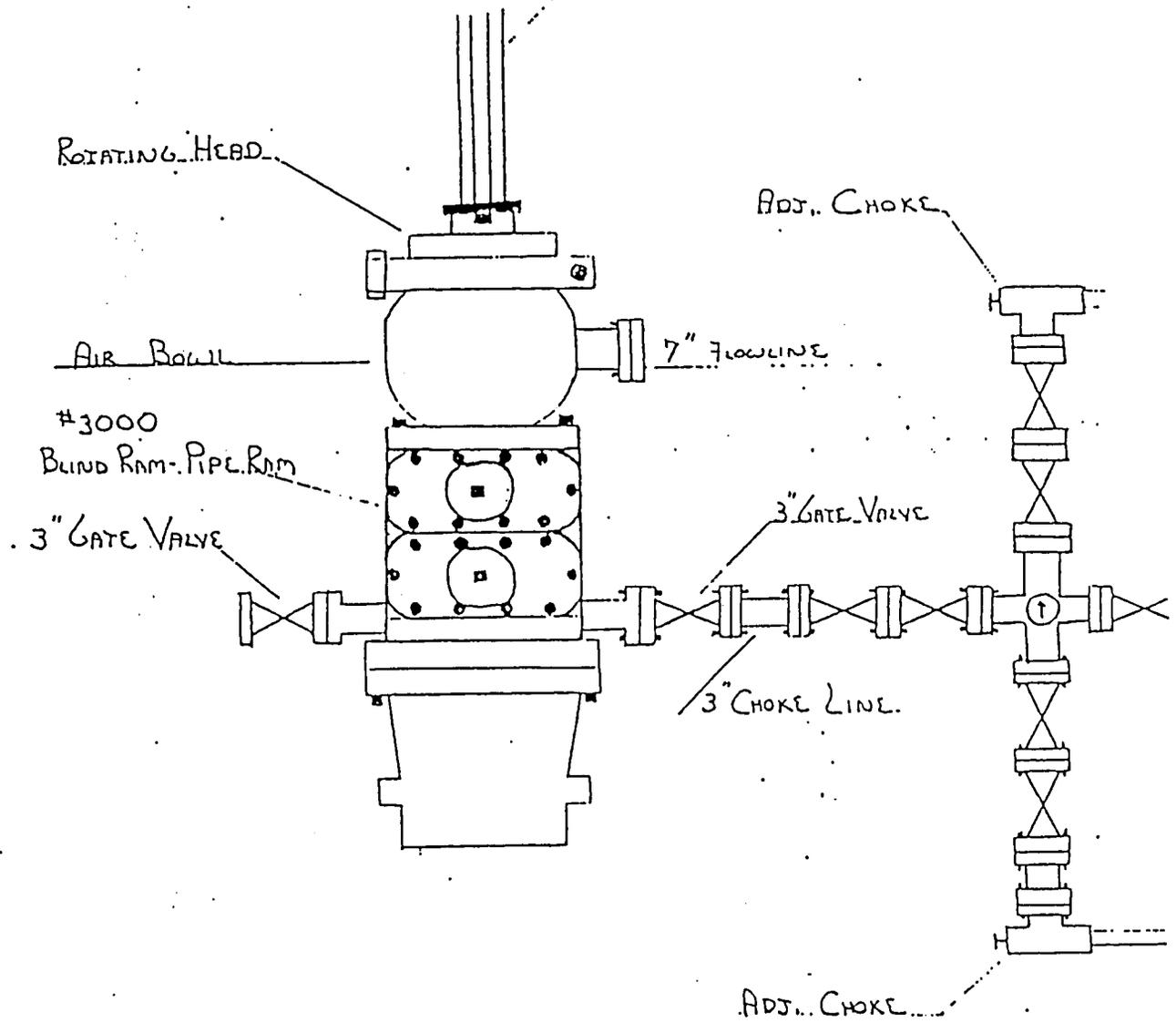
12/1/93
Revised 12/7/93
/rs

EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT

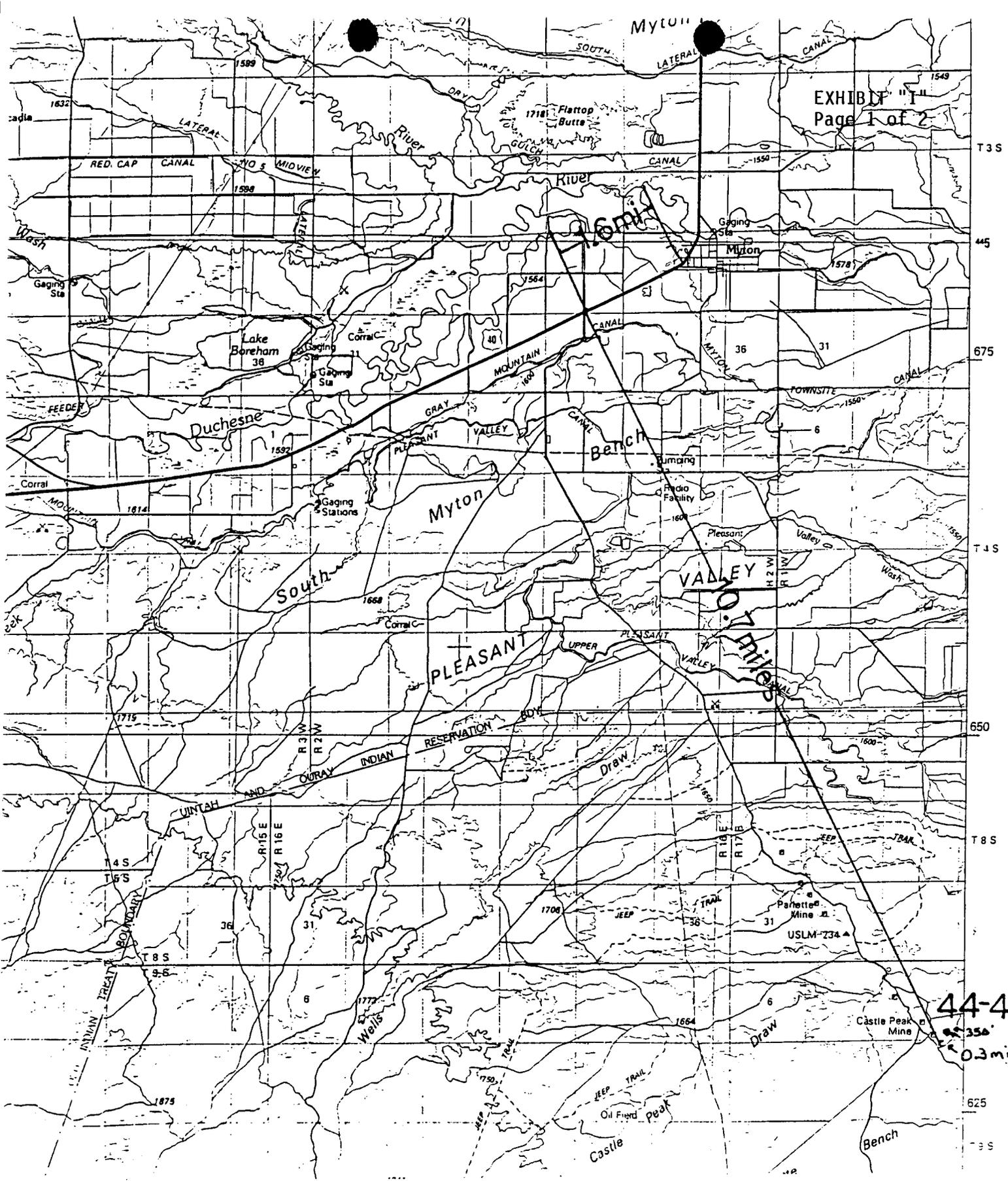


TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

UNION DRILLING RIG #17 Hex Kelly

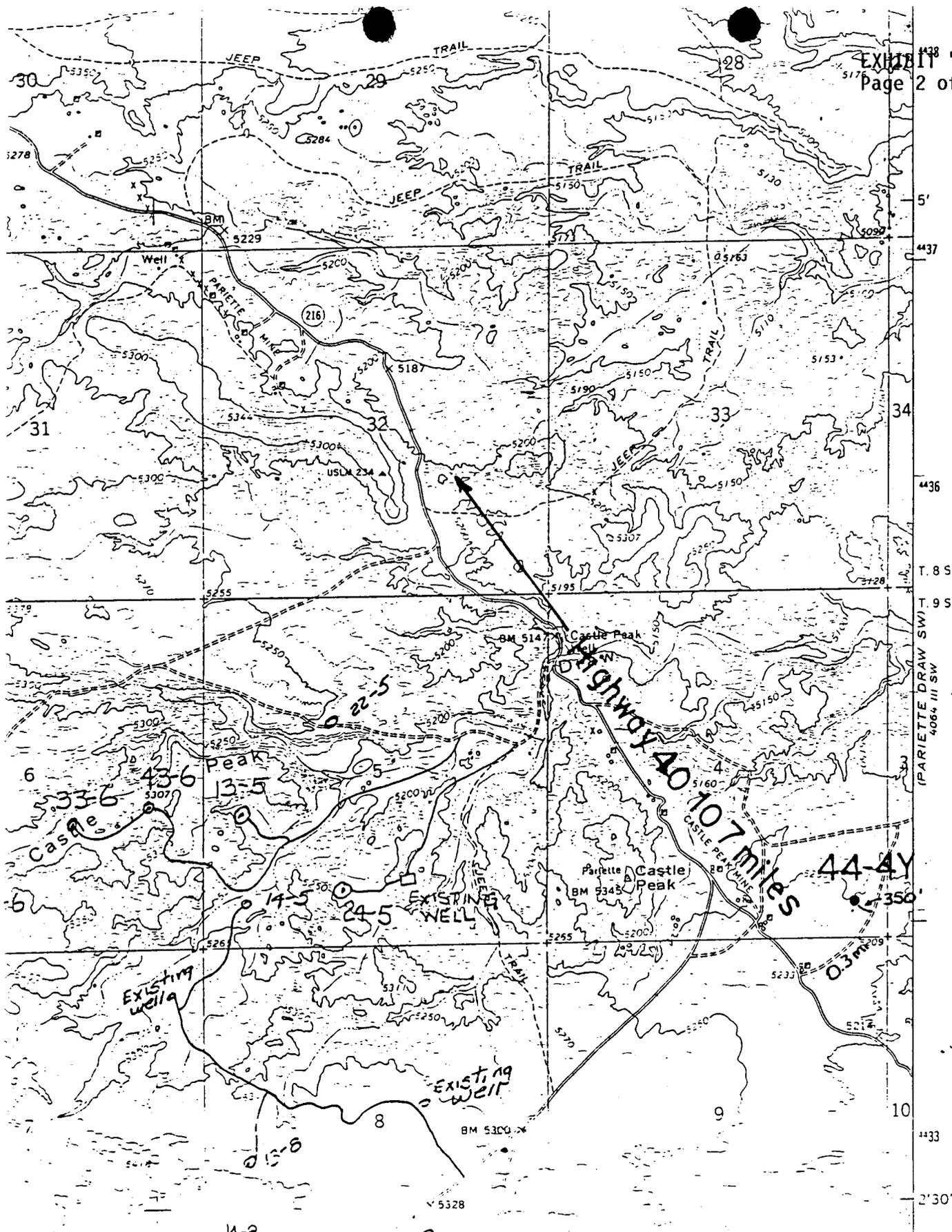


#3000 Stack



EQUITABLE RESOURCES ENERGY CO.
FEDERAL #44-4Y
MAP "A"





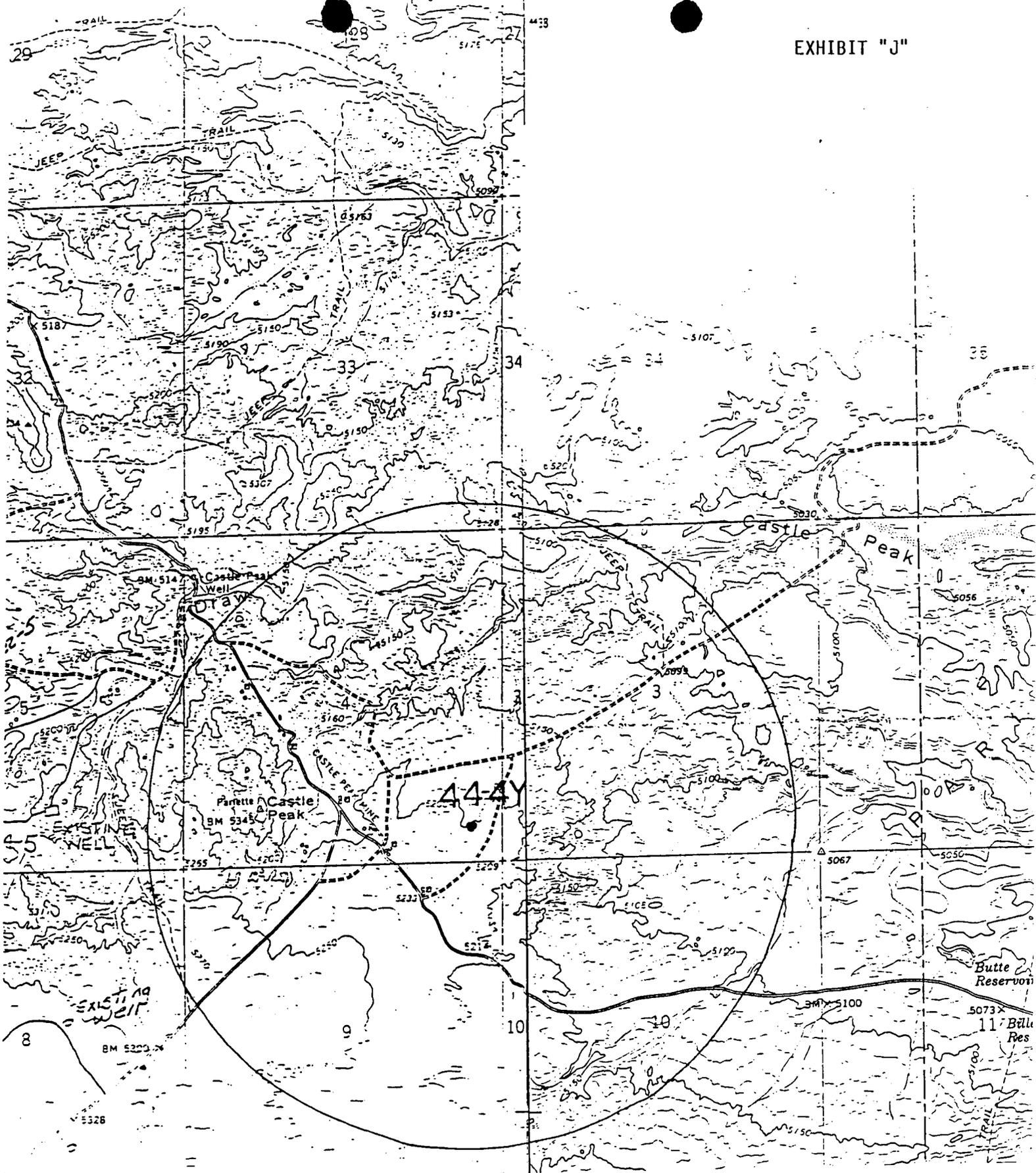
14-2

EQUITABLE RESOURCES ENERGY CO.

FEDERAL #44-41

MAP "B"





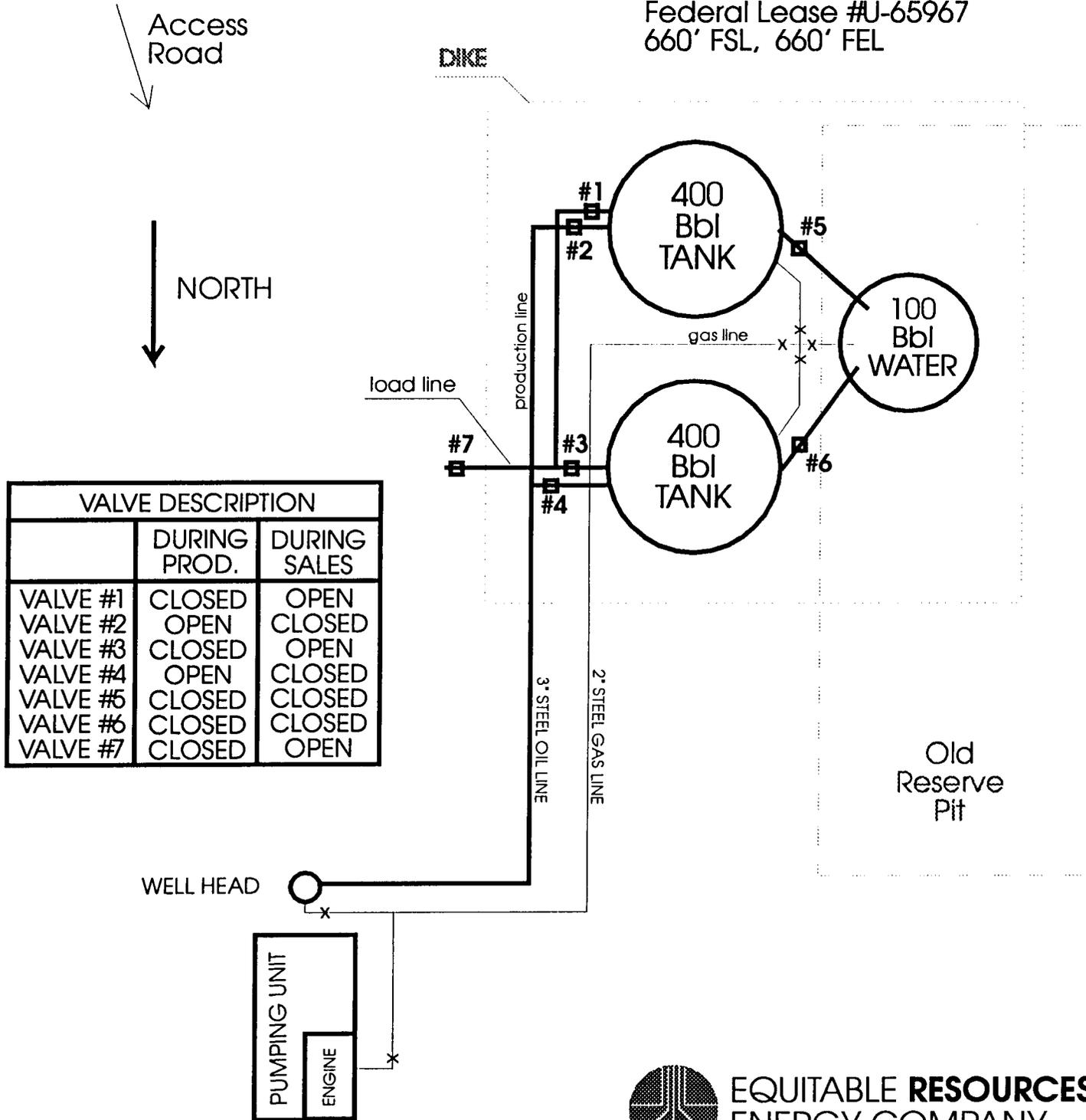
EQUITABLE RESOURCES ENERGY CO.
FEDERAL #14-4Y
MAP "C"

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 SOUTH, VERNAL, UTAH 84076
801-781-2501

Equitable Resources Energy Company
 Balcron Federal 44-4Y
 Proposed Production Facility Diagram

EXHIBIT "K"

Balcron Federal 44-4Y
 SE SE Sec. 4, T9S, R17E
 Duchesne County, Utah
 Federal Lease #U-65967
 660' FSL, 660' FEL



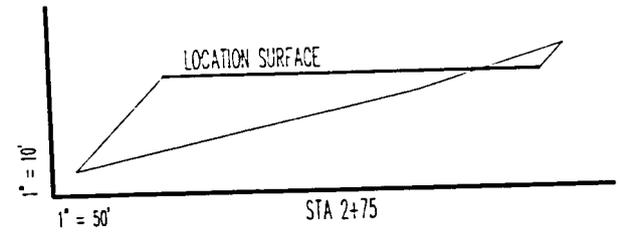
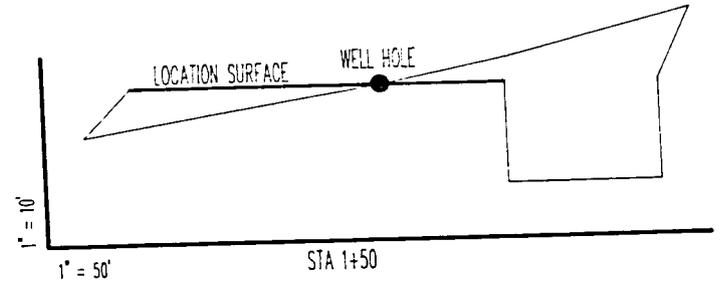
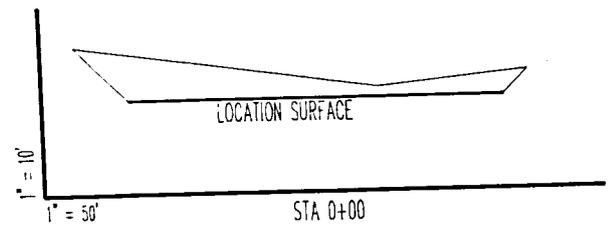
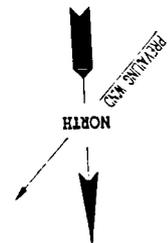
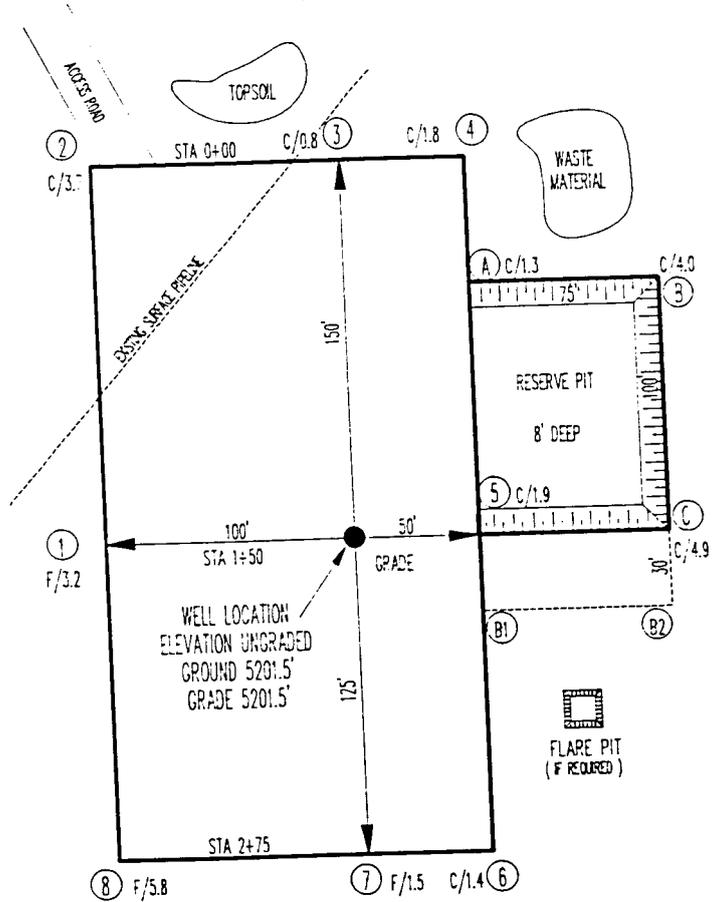
VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIAGRAM NOT TO SCALE



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

EQUITABLE RESOURCES ENERGY CO.
BALCON FEDERAL #44-4Y



REFERENCE POINTS

- 150.0' EAST 5198.7'
- 200.0' EAST 5200.9'
- 175' NORTH 5198.3'
- 225' NORTH 5196.4'

APPROXIMATE YARDAGE

- CUT = 1926 Cu Yds
- FILL = 1470 Cu Yds
- PIT = 2222 Cu Yds

FILENAME 44-4Y

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501



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

April 4, 1994

-- VIA FEDERAL EXPRESS --

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

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 Federal and State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Utah Division of Oil, Gas and Mining

RECEIVED
APR 6 1994

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.
U-65967

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

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

7. UNIT AGREEMENT NAME
n/a

8. FARM OR LEASE NAME
Balcron Federal

9. WELL NO.
44-4Y

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T9S, R17E

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

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

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

12. COUNTY OR PARISH 13. STATE
Duchesne UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
From Myton, Utah, approximately 16 miles southwest

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
5,950'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 5201.5'

22. APPROX. DATE WORK WILL START*
May 1, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

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

See attached for listing for EXHIBITS.

APR 6 1994

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

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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE March 31, 1994
 (This space for Federal or State office use)

PERMIT NO. 43-013-31452 APPROVAL DATE 5-10-94
 APPROVED BY [Signature] TITLE [Signature] BY: [Signature]
 CONDITIONS OF APPROVAL, IF ANY: WELL SPACING R649-2-3

*See Instructions On Reverse Side

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/06/94

API NO. ASSIGNED: 43-013-31452

WELL NAME: BALCRON FEDERAL 44-4Y
OPERATOR: BALCRON OIL COMPANY (N9890)

PROPOSED LOCATION:
SESE 04 - T09S - R17E
SURFACE: 0660-FSL-0660-FEL
BOTTOM: 0660-FSL-0660-FEL
UINTAH COUNTY
MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED
LEASE NUMBER: U-65967

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal [State [] Fee []
(Number 5547188)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number JOE SHIELDS)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

R649-2-3. Unit: UTU 72086A
 R649-3-2. General.
 R649-3-3. Exception.
 Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: _____

CONFIDENTIAL
PERIOD
EXPIRED
1-14-96

STIPULATIONS: Repermitted pursuant to R649-3-3.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THE CATE*
(Other instructions on
reverse side)

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

CONFIDENTIAL
5. LEASE DESIGNATION AND SERIAL NO.
U-65967

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 SE SE Section 4, T9S, R17E 660' FSL, 660' FEL
 At proposed prod. zone
 43-013-31452

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 From Myton, Utah, approximately 16 miles southwest

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

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 5,950'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GL 5201.5'

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

7. UNIT AGREEMENT NAME
 n/a

8. FARM OR LEASE NAME
 Balcron Federal

9. WELL NO.
 # 44-4Y

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 4, T9S, R17E

12. COUNTY OR PARISH 13. STATE
 Duchesne UTAH

See attached for listing for EXHIBITS.



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

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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE March 31, 1994

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE MAY 10 1994
 CONDITIONS OF APPROVAL, IF ANY: _____

NOTICE OF APPROVAL

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 44-4Y

API Number: 43-013-31452

Lease Number: U-65967

Location: SESE Sec. 4 T. 9S R. 17E

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

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

3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at \pm 2,442 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to \pm 2,242 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).

This APD approval is valid until September 30, 1994, only, because of the expiration date of the lease.

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

Ed Forsman (801) 789-7077
Petroleum Engineer

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

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

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

The requested emergency pit is hereby approved under Onshore Order No. 7, subject to the following Conditions of Approval:

1. 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 9F 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.
2. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.

Additional Surface Conditions of Approval

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

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

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

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

If the proposed oil well is scheduled for development between March 15 and August 15, additional surveys for mountain plovers will be required a minimum of 14 days prior to surface disturbance. Contact the Authorized Officer of the BLM for specific procedures.

BALCRON OIL

Balcron Federal #44-4Y

SE SE Section 4 , T9S, R17E, SLB&M

Duchesne County, Utah

43-013-31452

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

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

April 11, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON FEDERAL #44-4Y, SE SE section 4,
T9S, R17E, SLB&M, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography-

This well location is 10 miles south and 3 miles east of Myton, Utah. The wellpad is in a swale draining northeast. The road comes in from the south down a gentle north slope 350 feet to the pad. Most of this area is covered with sand and angular rock fragments with occasional bedrock exposures. The north side of the wellpad has an outcrop of dark brown sandstone.

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

Paleontological material found -

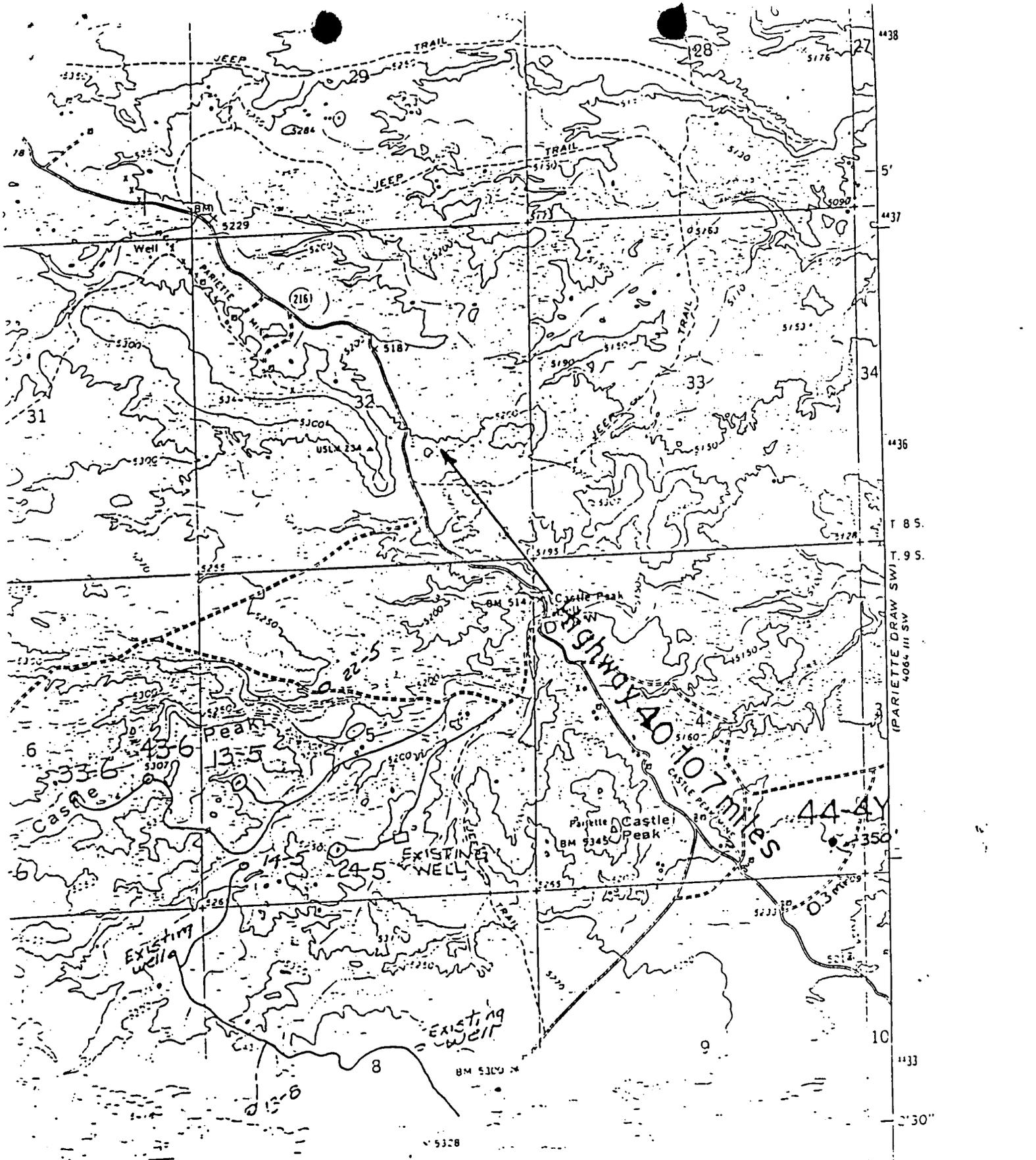
No fossils were found during the survey.

Recommendations-

No recommendations are made for this access road or wellpad.

Allen A. Hamblin
Paleontologist

Date April 13, 1994



14-2



EQUITABLE RESOURCES ENERGY CO.
 FEDERAL LAND
 MAP 5

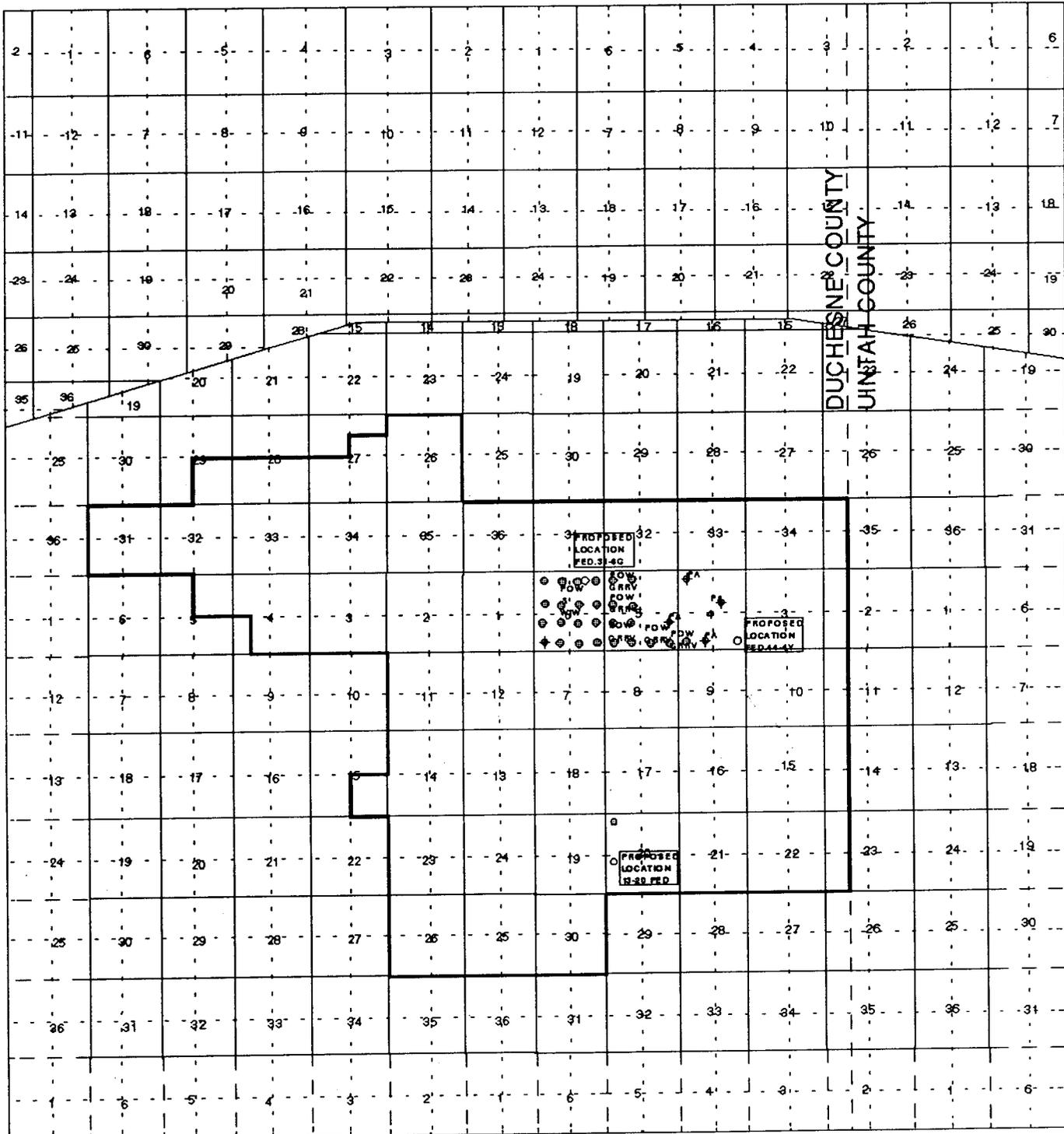


**TRI-STATE
 LAND SURVEYING, INC.**
 60 WEST 100 SOUTH, KIRKLAND, UTAH 84042
 801-781-2501

MONUMENT BUTTE

T 1 W

R 1 E



T 4 S

T 8 S

T 9 S

R 16 E

R 17 E

DUCHESNE COUNTY
FIELD 105 ACTIVE



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

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

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

May 10, 1994

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

Re: Balcron Federal #44-4Y Well, 660' FSL, 660' FEL, SE SE, Sec. 4, T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

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

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
2. Notification to the Division within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

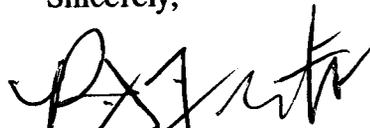


Page 2
Equitable Resources Energy Company
Balcron Federal #44-4Y Well
May 10, 1994

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

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 43-013-31452.

Sincerely,



R.J. Firth
Associate Director

ldc
Enclosures
cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WOI1



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

May 13, 1994

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

Re: Amended Approval of the Application for Permit to Drill
Balcron Federal #44-4Y Well, 660' FSL, 660' FEL, SE SE, Sec. 4, T. 9 S., R. 17
E., Duchesne County, Utah

Gentlemen:

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

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

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
2. Notification to the Division within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.
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 Federal #44-4Y Well
May 13, 1994

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31452.

Sincerely,



R.J. Firth
Associate Director

ldc
Enclosures
cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WOI1



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

August 11, 1994

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

*BALCRON Federal 44-4V
Sec 4 T9S R17E
43-013-31452*

Gentlemen:

Enclosed is a sundry notice reporting an intended change in the cement program for the production casing (long-string) on the wells on the enclosed list. The wells have been broken down by three categories:

- wells on which we have approved APDs but have not yet drilled
- wells on which we do not yet have approved APDS but APDs have been submitted
- wells on which we have approved State APDs but not yet approved Federal APDs

Please consider this change in cement program as a part of our APDs.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining
Al Plunkett

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

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

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

See attached listing

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

See attached listing

8. Well Name and No.

See attached listing

9. API Well No.

See attached listing

10. Field and Pool, or Exploratory Area

See attached listing*

11. County or Parish, State

See attached listing

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

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

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.)*

*Formation (pool): Green River

Production cement program on wells on the attached listing will be changed as follows:
250 sacks Western Super "G" consisting of 47 #/sack "G", 20 #/sack Poz A, 17 #/sack CSE, 3% salt, 2% gel and 2 #/sack Hi-seal 2. (Yield = 2.76 Cu.Ft./Sk, Weight = 11.08 PPG). Tailed with 300 sacks 50-50 Poz with 2% Gel, 1/4 #/sack Cello-seal and 2 #/sack Hi-seal. (Yield = 1.24 Cu.Ft./Sk, Weight = 14.30 PPG).

a.) Actual cement volumes will be determined using caliper log.

b.) Cement top will be at approximate depth as specified in the Conditions of Approval in the Application for Permit to Drill.

The cement program is being changed to improve cement bond quality and improve compressive strength in the lead slurry.

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

Signed Bobbie Schuman

Regulatory and
Title Environmental Specialist

Date 8-10-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Have approved APDs but not yet drilled

Balcron Monument Federal #14-15
SW SW Section 15, T9S, R16E
Duchesne County, Utah
771.5' FSL, 543.3' FWL
FLS #UTU-72107
Monument Butte Field
API #43-013-31381

Balcron Monument Federal #14-4
SW SW Section 4, T9S, R16E
Duchesne County, Utah
719' FSL, 607' FWL
FLS #U-73086
Monument Butte Field
API #43-013-31430

Balcron Monument Federal #34-7
SW SE Section 7, T9S, R17E
Duchesne County, Utah
810' FSL, 1736' FEL
FLS #UTU-72106
Monument Butte Field
API #43-013-31426

Balcron Monument Federal #42-18
SE NE Section 18, T9S, R17E
Duchesne County, Utah
1800' FNL, 800' FEL
FLS #UTU-72106
Monument Butte Field
API #43-013-31433

Balcron Federal #24-4Y
SE SW Section 4, T9S, R16E
Duchesne County, Utah
710' FSL, 2031' FWL
FLS #U-64379
Monument Butte Field
API #43-013-31412

Balcron Federal #44-4Y
SE SE Section 4, T9S, R17E
660' FSL, 660' FEL
Duchesne County, Utah
Monument Butte Field
FLS #U-65967
Monument Butte Field
API #43-013-31452

10.13.94

Form 3160-5 UNITED STATES
(June 1990) DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5 1994

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
5. Lease Designation and Serial No.
U-65967
6. If Indian, Allottee or Tribe Name
n/a
7. If Unit or CA, Agreement Designation
n/a
8. Well Name and No.
Balcron Federal #44-4Y
9. API Well No.
43-013-31452
10. Field and Pool, or Exploratory Area
Monument Butte/Green River
11. County or Parish, State
Duchesne County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE: SE SE Section 4, T9S, R17E
TD: 660' FSL, 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 Report of Spud
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

This well was spud on 9-30-94 at 2:30 p.m. by Leon Ross Air Drilling.

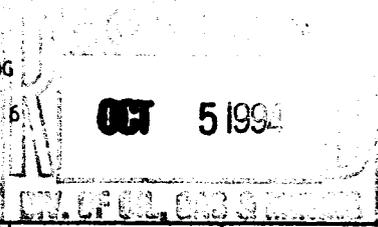
14. I hereby certify that the foregoing is true and correct

Signed Robbie Schuman Title Regulatory and Environmental Specialist Date 10-4-94
(This space for Federal or State office use)

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

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

*See instruction on Reverse Side



OPERATOR Equitable Resources Energy Company
Balcron Oil Division

ADDRESS P.O. Box 21017
Billings, MT 59104

(406) 259-7860

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11679	43-013-31452	Balcron Federal #144-4Y	SE SE	4	9S	17E	Duchesne	9-30-94	9-30-94
WELL 1 COMMENTS: Spud of a new well. <i>Entity added 10-11-94. Lee</i>											
A	99999	11680	43-047-32503	Balcron Federal #131-5Y	NW NE	5	9S	18E	Uintah	9-30-94	9-30-94
WELL 2 COMMENTS: Spud of a new well. <i>Entity added 10-11-94. Lee</i>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

DATE: 10-3-94

Robbie Schuman
Signature
Regulatory and Environmental Specialist
Title

Phone No. (406) 259-7860
Date

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 44-4-Y

API NO. 43-013-31452

Section 4 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 11/1/94

Time _____

How ROTARY

Drilling will commence _____

Reported by DLI-DOGM

Telephone # _____

Date 11/3/94 SIGNED JLT

DAILY OPERATING REPORTBALCRON FEDERAL #44-4Y

Location: SE SE Section 4, T9S, R17E

Duchesne County, Utah

660' FSL, 660' FEL

PTD: 5,950' Formation: Green River

Monument Butte Field

Elevations: 5201.5' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 9-30-94 @ 2:30 p.m.

Casing: 8-5/8", 24#, J-55 @ 267' KB

Tubing:

8-24/30-94 Move pipeline and build location.

9-30-94 MIRU Leon Ross air rig on & spud @ 2:30 p.m. Shut down & come back @ 11 p.m. Drill a few feet over midnite. BLM man Randy Bywater showed up as crew was leaving.
DC: \$13,962 CC: \$13,962

10-1-94 Leon Ross rig broke down. Drilled to 16'.

10-5-94 Try to swap out rigs, too muddy.

10-8-94 Get rig swapped out.

10-9-94 Drill to 265'.

10-10-94 Run 6 jts 8-5/8" csg as follows:

Guide Shoe	.60'
1 jt 8-5/8", 24# Shoe jt	43.45'
Insert Float	-----
5 jts 8-5/8", 24#, J-55 csg	216.10'
	260.15'
Csg set @ GL	257.00'
Csg set @ KB	267.00'

Cmt by Western w/160 sxs Class "G" w/2% CCL & 1/4#/sx Celloflake.
10 bbls cmt back to pit. Plug down @ 2:45 p.m.

10-15-94 Install pit liner.
DC: \$12,033

CC: \$25,995

11-1-94 TD: 420' (153') Day 1
Formation: Uintah
MW air & mist

Present Operation: Drilling

MIRU. NU BOP, test BOP & manifold to 2000# - OK. Work on manifold valve test - OK. Test csg to 1500# - OK. Drill rat hole. j Put on air head, drill & survey.

DC: \$3,113

CC: \$29,108



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

April 18, 1994

CONFIDENTIAL

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

Gentlemen:

Enclosed are the Cultural Resource Evaluations for the wells on
the enclosed list.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining

TWELFTH BATCH

Balcron Federal #44-4Y 43-013-31452
SE SE Section 4, T9S, R17E
660' FSL, 660' FEL
Duchesne County, Utah
Monument Butte Field
FLS #U-65967
PTD: 5,950'
GL: 5201.5'

Balcron Federal #44-33Y
SE SE Section 33, T8S, R18E
778.4' FSL, 623.7' FEL
Uintah County, Utah
Eight Mile Flat North Field
FLS #U-65969
PTD: 6,000'
GL: 4850.7'

Balcron Federal #31-5Y
NW NE Section 5, T9S, R18E
660' FNL, 1980' FEL
Uintah County, Utah
Eight Mile Flat North Field
FLS #U-65970
PTD: 5,950'
GL: 4867.1'

Balcron Federal #41-19Y
NE NE Section 19, T9S, R18E
660' FNL, 660' FEL
Uintah County, Utah
Eight Mile Flat North Field
FLS #U-65635 (EXPIRES 8/1/94)
PTD: 5,550'
GL 5129.9'

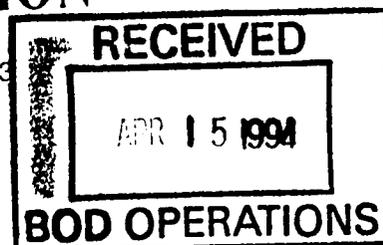
/rs



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

April 8, 1994



Subject: **CULTURAL RESOURCE EVALUATION OF FOUR
PROPOSED WELL LOCATIONS IN THE MONUMENT
BUTTES LOCALITY OF DUCHESNE COUNTY, UTAH**

Project: **Balcron Oil -- 1993 Development
Units 44-4Y, 44-33Y, 31-5Y, & 41-19Y**

Project No.: **BLCR-94-2**

Permit No.: **Dept. of Interior -- UT-94-54937**

State Project No: **UT-94-AF-167b**

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

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

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

**CULTURAL RESOURCE EVALUATION
OF FOUR PROPOSED WELL LOCATIONS
IN THE CASTLE PEAK DRAW
AND EIGHTMILE FLAT
LOCALITIES OF DUCHESNE & UINTA
COUNTIES, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-94-54937
AERC Project 1427 (BLCR-94-2)

Utah State Project No.: UT-94-AF-167b

Principal Investigator
F. Richard Hauck, Ph.D.

Authors of the Report
F. Richard Hauck & Glade V Hadden



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

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

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of four proposed wells and associated access route situated on federally administered lands located in the Castle Peak Draw and Eightmile Flat localities of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 33.14 acres, of which 20 acres are associated with the various well pads and an additional 13.14 acres associated with two access road rights-of-way. These evaluations were conducted by F.R. Hauck, Glade Hadden and Walter Lenington of AERC on April 7, 1993.

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

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

No isolated artifacts were noted and recorded during the investigations.

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

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GENERAL INFORMATION

On April 7, 1994, AERC archaeologists F.R. Hauck, Glade Hadden and Walter Lenington conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved the four proposed well locations and associated access roads in the Castle Peak Draw and Eightmile Flat areas south of Myton, Utah. Some 33.14 acres were examined which include 200 acres associated with two of the well pads and an additional 13.14 acres associated with two access routes into the locations. Unit 41-19Y includes a .8 mile access route for 9.7 acres and unit 31-5Y includes ca. 1500 feet of access road for 3.44 acres. The remaining two wells, 44-33Y and 44-4Y have been surveyed under earlier archaeological evaluations which have been reported separately (Hauck 1982, 1984). This project is situated in the Castle Peak Draw and Eightmile Flat localities of Duchesne and Uintah Counties, Utah. The entire project area is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

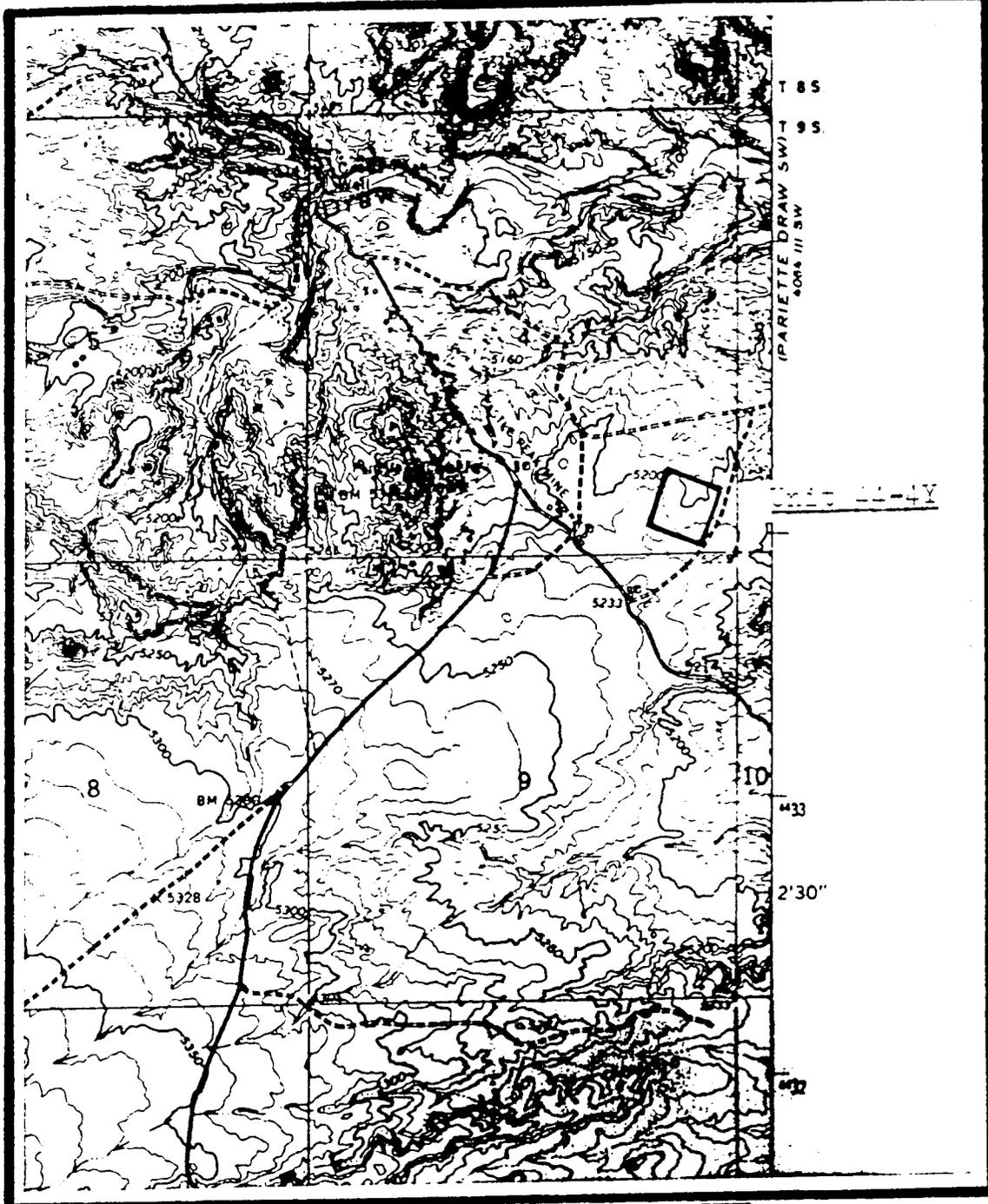
The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations requires an archaeological evaluation in compliance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

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

Project Location

The project location is in the Castle Peak Draw and Eightmile Flat localities of Duchesne and Uintah Counties, Utah. It is situated on the Pariette Draw SW and Myton SE 7.5 minute topographic quads. The proposed drilling locations are as follows: Unit 44-4Y is located in the SE-SE quarter of Section 4, Township 9 South, Range 17 East (See Map 1); Unit 41-19Y is located in the NE-NE quarter of Section 19, Township 9 South, Range 18 East along with a 4224 foot-long access route leading to the location from the NW-SE quarter of Section 17 (See Map 2); Unit 44-33Y is located in the SE-SE quarter of Section 33, Township 8 South, Range 18 East (See Map 3); Unit 31-5Y is located in the NW-NE quarter of Section 5, Township 9 South, Range 18 East along with a 1500 foot-long access route leading to the location from the SW-NE quarter of Section 5 (See Map 3).

AERK



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

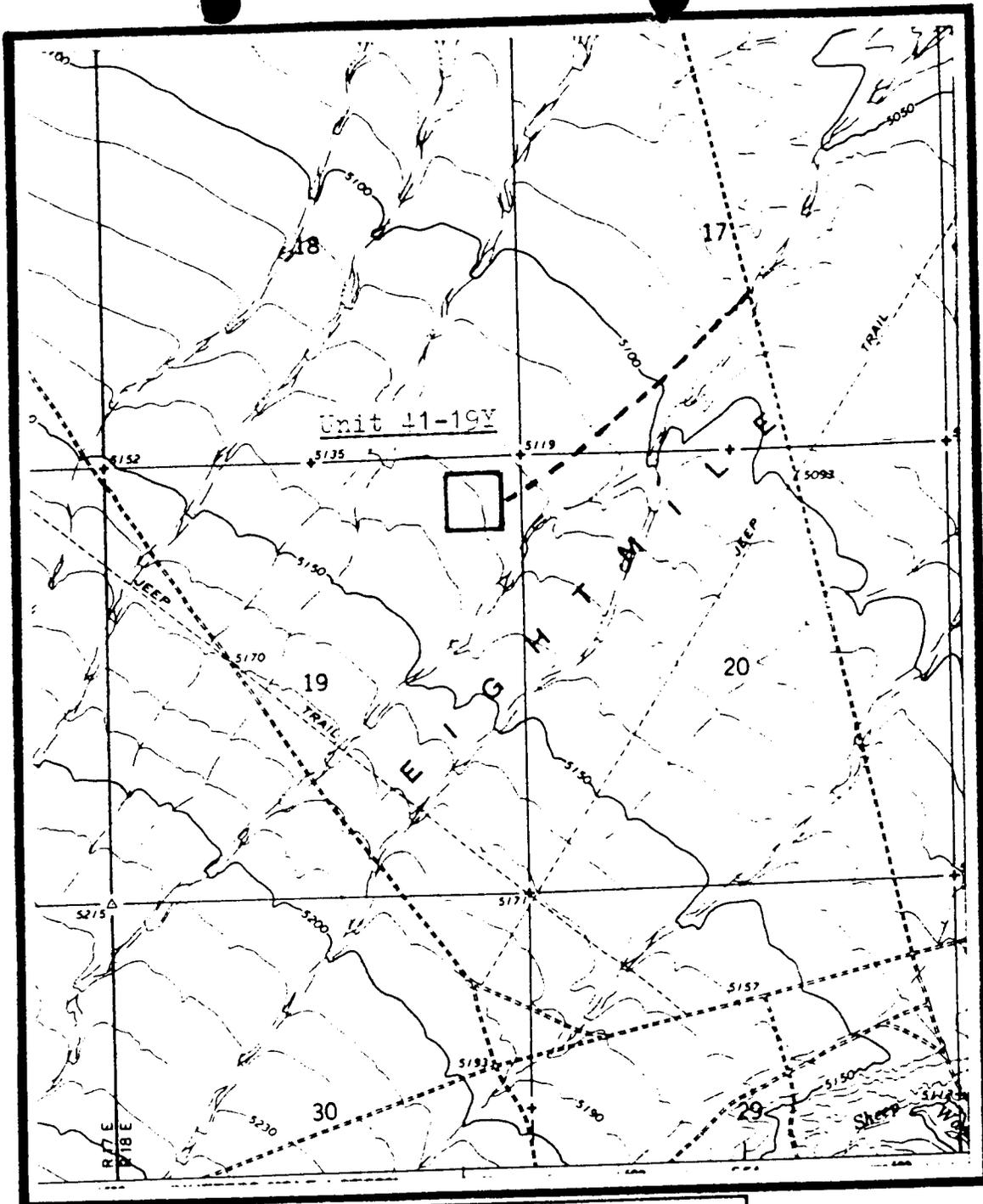
MAP 1
 Cultural resource survey
 of a proposed well location
 in the Castle Peak Draw
 Locality of Duchesne Co.

Legend:
 10 Acre Survey Area (Formerly Cotton Federal No. 44-4 a Diamond Shamrock location in 1952)



Project: BLCR-94-2
Series: Uinta Basin
Date: 4-8-94
Scale: 1:25,000





T. 9 South
 R. 18 East
 Meridian: SD
 Quad: Pariette
 Draw SW,

MAP 2

Cultural Resource Survey
 of a Proposed Well Location
 in the Eightmile Flat
 Locality of Uintah Co.

Legend:

10 Acre
 Survey
 Area 
 Access
 Route 

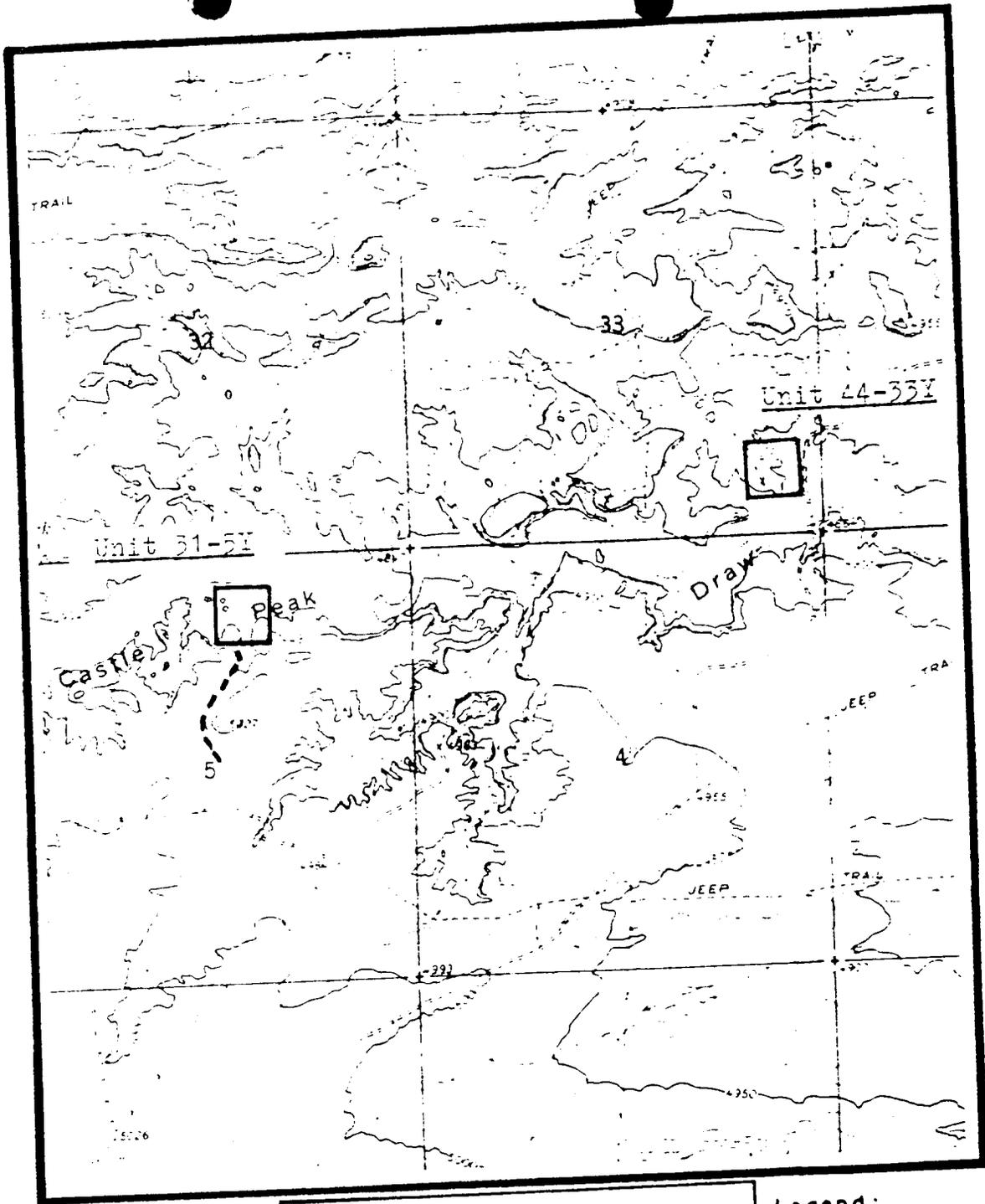


Project: BLCR-94-2
Series: Uinta Basin
Date: 4-8-94

Scale: 1:24000



AERK



T. 8 South
 R. 18 East
 Meridian: SL
 Quad: Pariette
 Draw SW,

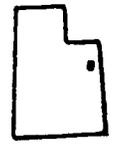


Project: BICR-94-2
 Series: Uinta Basin
 Date: 4-3-94

MAP 3
 Cultural Resource Survey
 of two Proposed Well
 Locations in the Castle
 Peak Draw Locality

Scale: 1:24000

Legend:
 10 Acre
 Survey
 Area 
 Access
 Route 



Environmental Description

The project area is within the 4800 to 5200 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

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

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

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on April 5, 1994. A similar search was conducted in the Vernal District Office of the BLM on April 7, 1994. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

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

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

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each well pad area. In addition, a .8 mile-long access route and a 1500 foot-long access route were surveyed by the archaeologists walking a pair of 15 meter-wide transects on each side of the flagged access route right of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 13.14 acres) was examined for the total 5724 foot-long proposed access roads, in addition to the twenty acres inventoried on two of the well pads. The remaining two well pads (Units 44-4Y and 44-33Y) had been inventoried under previous AERC surveys (Hauck 1982, 1984).

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

Site Significance Criteria

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

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

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

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

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

Results of the Inventory

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

No diagnostic isolated artifacts were observed and recorded during the evaluation.

CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of Balcron Units 44-4Y, 44-33Y, 31-5Y and 41-19Y as evaluated during this and previous AERC projects (see Hauck 1982, 1984).

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations based upon adherence to the following stipulations:

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



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

REFERENCES

Hadden, Glade V and F. R. Hauck

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

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

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

1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard

1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.

1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.

- 1984 Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.

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

Norman, V. Garth and F.R. Hauck

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

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___

Comments: _____

Summary Report of
Inspection for Cultural Resources

FOUR PROPOSED WELL LOCATIONS
MONUMENT BUTTES LOCALITY

1. Report Title

Balcron Oil Company (BLCR-94-2)

2. Development Company _____

3. Report Date . . . 4 8 1 9 9 4 4. Antiquities Permit No. UT-94-54937

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

6. Fieldwork 9 S 1 7 E 0 4
Location: TWN RNG Section. . . | . . . | . . . | . . . |
7. Resource 8 S 1 8 E 3 3
Area TWN RNG Section. . . | . . . | . . . | . . . |
.SM. 9 S 1 8 E 0 5 1 9
TWN RNG Section. . . | . . . | . . . | . . . |

8. Description of Examination Procedures: The archeologists, F.R. Hauck, G.V. Hadden and Walter Lenington intensively examined the two proposed well locations (31-5Y & 41-19Y) and their access routes by walking a 10 to 15 meter-wide transects within the 10 acre plots and flanking the access routes. Units 44-4Y and 44-33Y have been previously been evaluated by AERC (cf., Hauck 1982 and Hauck 1984 in primary report).

9. Linear Miles Surveyed 1 3 . 1 4 10. Inventory Type . . . I
and/or
Definable Acres Surveyed R = Reconnaissance
and/or I = Intensive
Legally Undefinable 2 0 S = Statistical Sample
Acres Surveyed

11. Description of Findings:
No archaeological sites
were identified and recorded during
this survey.

12. Number Sites Found .0.
(No sites = 0)
13. Collection: .N.
(Y = Yes, N = No)

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

15. Literature Search, Location/ Date: Utah SHPO 4-5-94 Vernal BLM 4-7-94

16. Conclusion/ Recommendations:
AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations:
(see reverse)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing roadways and/or evaluated corridor.

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
Administrator:

[Handwritten Signature]

UT 8100-3 (2/85)

Field
Supervisor:

[Handwritten Signature]

CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SURFACE: SE SE Section 4, T9S, R17E
 TD: 660' FSL, 660' FEL

5. Lease Designation and Serial No.
 U-65967

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

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

8. Well Name and No.
 Balcron Federal #44-4Y

9. API Well No.
 43-013-31452

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

11. County or Parish, State
 Duchesne County, Utah

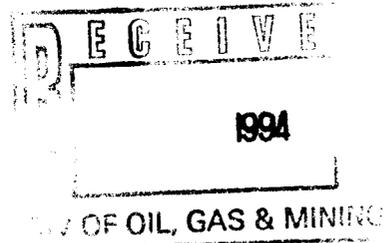
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

First production on this well was on 12-13-94 at 9:30 a.m.



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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 12-14-94

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-65967

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Federal #44-4Y

9. API Well No.

43-013-31452

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

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

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

**SURFACE: SE SE Section 4, T9S, R17E
 TD: 660' FSL, 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>Site Security Diagram</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Attached is the Site Security Diagram for this well.

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

Signed Bohbie Schuman Title Regulatory and Environmental Specialist Date 1-11-95
 (This space for Federal or State office use)

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

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

*See instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SECRET

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Federal #44-4Y

API number: 43-013-31452

2. Well Location: QQ SE SE Section 4 Township 9S Range 17E County Duchesne

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

Address: P.O. Box 21017

Billings, MT 59104

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

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

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

6. Formation tops: See Geological Report submitted separately.

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

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

Date: 1-11-95

Name & Signature: Bobbie Schuman *Bobbie Schuman*

Title: Regulatory and Environmental Specialist

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

5. Lease Designation and Serial No.
U-65967

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

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

8. Well Name and No.
Balcron Federal #44-4Y

9. API Well No.
43-013-31452

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

11. County or Parish, State
Duchesne County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SURFACE: SE SE Section 4, T9S, R17E
 TD: 660' FSL & 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>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

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

100 3 1995

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 1-11-95
(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

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

Equitable Resources Energy Company
 Balcron Federal 44-4Y
 Production Facility Diagram

Balcron Federal 44-4Y
 SE SE Sec. 4, T9S, R17E
 Duchesne County, Utah
 Federal Lease #U-65967
 660' FSL, 660' FEL

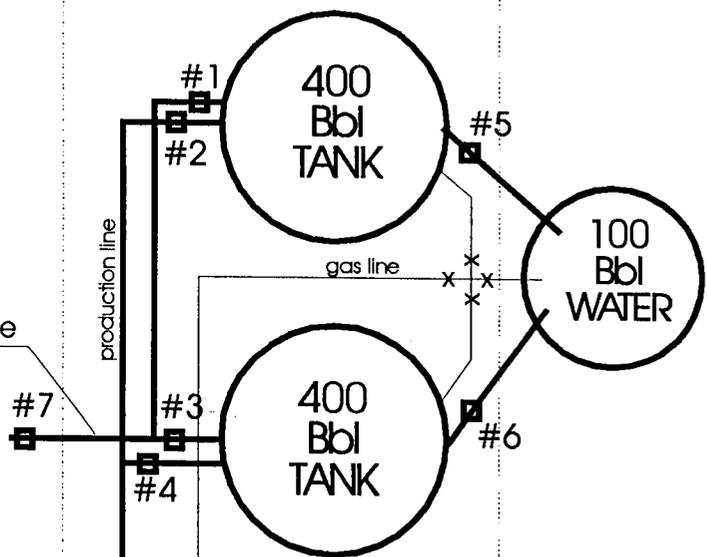
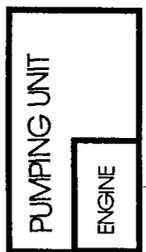
Access Road

NORTH

DIKE

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

WELL HEAD



Old Reserve Pit

PLAT LOCATED AT:



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

DIAGRAM NOT TO SCALE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
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. RESVR. Other

2. NAME OF OPERATOR
Equitable Resources Energy Company, Palcron 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' FSL & 660' FEL
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-013-31452 DATE ISSUED 5-10-94

15. DATE SPUDDED 9-30-94 16. DATE T.D. REACHED 11-9-94 17. DATE COMPL. (Ready to prod.) 12-14-94 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5201.5' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5850' 21. PLUG, BACK T.D., MD & TVD 5808' KB 22. IF MULTIPLE COMPL., HOW MANY* n/a 23. INTERVALS DRILLED BY ROTARY TOOLS Sfc - TD CABLE TOOLS n/a

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4246' - 5593' Green River

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL - DENT - SDLT - CBL/GF 11-10-94

29. 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#	267' KB	12-1/4"	160 sxs Class "G" w/additives	n/a
5-1/2"	15.5#	5846.63' KB	7-7/8"	261 sxs Super "G" w/additives and 316 sxs 50/50 FCZ w/ add.	n/a

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5647.9' KB	n/a

31. PERFORATION RECORD (Interval, size and number)

5444' - 5448' (4 SPF)	5187' - 5192' (4 SPF)
5560' - 5564' (4 SPF)	4246' - 4254' (4 SPF)
5587' - 5593' (4 SPF)	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attachment.	

33.* PRODUCTION

DATE FIRST PRODUCTION 12-14-94 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-4-95	24	n/a		20	n.m.	0	n.m.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a		20	n.m.	0	34 deg

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

35. LIST OF ATTACHMENTS
Acid, Shot, Fracture, Cement Squeeze, Etc. Attached on separate sheet.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 1-11-95

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

Balcron Federal #44-4Y
SE SE Section 4, T9S, R17E
Duchesne County, Utah

ATTACHMENT TO COMPLETION REPORT

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
5544' - 5564' KB	Break down with 500 gallons 15% HCL and 2016 gallons 2% KCL water.
5587' - 5593' KB	Break down with 500 gallons 15% HCL and 2268 gallons 2% KCL water.
5544' - 5593' KB	Frac with 51,680# 20/40 mesh sand and 40,540# 16/30 mesh sand with 30,576 gallons 2% KCL gelled water.
5187' - 5192' KB	Break down with 2016 gallons 2% KCL water. Frac with 21,340# 20/40 mesh sand and 11,382 gallons 2% KCL gelled water.
4247' - 4254' KB	Break down with 2394 gallons 2% KCL water. Frac with 45,700# 16/30 mesh sand and 15,456 gallons 2% KCL gelled water.

/mc

1-11-95

DAILY OPERATING REPORT

BALCRON FEDERAL #44-4Y

Location: SE SE Section 4, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

660' FSL, 660' FEL

PTD: 5,950' Formation: Green River

Monument Butte Field

Elevations: 5201.5' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 9-30-94 @ 2:30 p.m.

Casing: 8-5/8", 24#, J-55 @ 267' KB

5-1/2", 15.5#, J-55 @ 5846.63' KB

Tubing: 2-7/8", 6.5#, J-55 @ 5647.9' KB

8-24/30-94 Move pipeline and build location.

9-30-94 MIRU Leon Ross air rig on & spud @ 2:30 p.m. Shut down & come back @ 11 p.m. Drill a few feet over midnite. BLM man Randy Bywater showed up as crew was leaving.

DC: \$13,962

CC: \$13,962

10-1-94 Leon Ross rig broke down. Drilled to 16'.

10-5-94 Try to swap out rigs, too muddy.

10-8-94 Get rig swapped out.

10-9-94 Drill to 265'.

10-10-94 Run 6 jts 8-5/8" csg as follows:

Guide Shoe .60'

1 jt 8-5/8", 24# Shoe jt 43.45'

Insert Float -----

5 jts 8-5/8", 24#, J-55 csg 216.10'

260.15'

Csg set @ GL 257.00'

Csg set @ KB 267.00'

Cmt by Western w/160 sxs Class "G" w/2% CCL & 1/4#/sx Celloflake.
10 bbls cmt back to pit. Plug down @ 2:45 p.m.

10-15-94 Install pit liner.

DC: \$12,033

CC: \$25,995

11-1-94 TD: 420' (153') Day 1

Formation: Uintah

MW air & mist

Present Operation: Drilling

MIRU. NU BOP, test BOP & manifold to 2000# - OK. Work on manifold valve test - OK. Test csg to 1500# - OK. Drill rat hole. j Put on air head, drill & survey.

DC: \$3,113

CC: \$29,108

DAILY OPERATING REPORT

BALCRON FEDERAL #44-4Y

Location: SE SE Section 4, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

- 11-2-94 TD: 1,792' (1,372') Day 2
Formation: Green River
MW air & mist
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$17,959 CC: \$47,067
- 11-3-94 TD: 3,004' (1,212') Day 3
Formation: Green River
MW 8.5 VIS 27
Present Operation: Drilling
Drill, survey, clean on rig, put up wind walls. Will switch to
fluid @ 4000'. BGG = 3 - 5 units. CG = 15 units. 2 to 3 inches
of snow.
DC: \$16,485 CC: \$63,552
- 11-5-94 TD: 4,457' (451') Day 5
Formation: Yellow Zone
MW 8.6 VIS 27
Present Operation: Drilling
Trip for bit, drill, survey & clean on rig. Trip Gas = 1400 units,
BGG = 15 to 20 units, CG = 60 to 100 units.
DC: \$7,666 CC: \$84,821
- 11-6-94 TD: 5,004' (547') Day 6
Formation: Red Zone
MW 8.6 VIS 27
Present Operation: Drilling
Drill, survey, & clean on rig. BGG = 50 to 60 units & CG = 150 to
250 units.
DC: \$8,232 CC: \$93,053
- 11-7-94 TD: 5,550' (546') Day 7
Formation: Blue Zone
MW 8.6 VIS 27
Present Operation: Trip out.
Drill, survey, & clean on rig. Lose a little pump pressure, work
on mud pump, drop carbide, start out of hole.
DC: \$8,270 CC: \$101,323
- 11-8-94 TD: 5,820' (270') Day 8
Formation: Blue Zone
MW 8.6 VIS 27
Present Operation: Drilling
TOH, could not find hole in drill pipe or collars, work on pump,
TIH & drill. Lose 300# pump pressure, start out of hole & find
crack in jt 20 stds down, TIH, drill & survey.
DC: \$5,661 CC: \$106,904

DAILY OPERATING REPORT

BALCRON FEDERAL #44-4Y

Location: SE SE Section 4, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

- 11-9-94 TD: 5,850' (30') Day 9
Formation: Blue Zone
MW 8.6 VIS 27
Present Operation: Circ 5-1/2" csg.
Drill, circ & cond for logs, TOH. RU HLS & log 1 run
GR/DSN/SDL/DLC. TIH w/drill collars & 41 stds, LD drill pipe. tIH
w/43 std LD same. Change out pipe rams & test to 2000# - OK. RU
& run 136 jts 5-1/2" 15.5#, J-55 csg. RU Western & circ csg.
DC: \$48,972 CC: \$155,876
- 11-10-94 TD: 6,850' (0') Day 10
Formation: Green River
Present Operation: Rig released.
Cmt 5-1/2" csg by Western w/20 bbls WMW-1 ahead of 261 sxs Super G
w/additives & tail w/316 sxs 50/50 POZ w/additives. Plug dow @
7:26 p.m. 11-9-94. ND BOP, set slips, back out landing jt & clean
pits. Release rig @ 11:30 a.m. 11-9-94. RDMO.
DC: \$12,147 CC: \$160,023
- 11/21/94 Completion
MI RU Basin Well Service Rig #2. NU 5M wellhead, NU BOP. TIH
w/186 jts 2-7/8" tubing w/5-1/2" scraper. Circulate hole clean
w/128 bbl 2% KCL water. TOOH w/tubing and scraper. MI rig pump
and tank and frac tanks. SIFN.
DC: \$8,958 CC: \$168,981
- 11/22/94 Completion
RU Schlumberger to run CBL and perforate. Log from PBTD to 200'
above cement top. Hold 1000 psi on casing while logging.
Perforate 5444'-48', 5560'-64', 5587'-93' w/4 SPF. RD
Schlumberger. TIH w/RBP, retrieving tool, 2-3/8" x 2' sub, HD
packer, 2-7/8" SN and 170 jts 2-7/8" tubing. Set BP at 5575', set
pkr at 5513'. RU Western to break down 5544'-48' and 5560'-64'.
See attached treatment report. Circulate balls and acid gas back.
Reset BP at 5630', set pkr at 5575'. Communicated between 5587'
and 5564'. Reset pkr at 5513'. Pump 4 balls per bbl on all perfs.
See attached treatment report. Circulate balls back and acid gas
back. TOOH w/tubing and pkr. SWIFN.
DC: \$11,446 CC: \$180,427
- 11-23-94 Completion
BP @ 5630'. RU Western to frac 5544'-48', 5560'-64', & 5587'-93'
w/51,680# 20/40 mesh sand & 40,540# 16/30 mesh sand w/30,576 gals
2% KCl gelled wtr. ATP 1900 psi, max 2250 psi. ATR 30.4 bpm, max
30.8 bpm. ISIP was not reported. SWI until 11-25-94.
DC: \$32,147 CC: \$212,574

DAILY OPERATING REPORT

BALCRON FEDERAL #44-4Y

Location: SE SE Section 4, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

- 11-25-94 Completion
CP 800 psi, flowback 60 BW. TIH w/retrieving head, 2-3/8" x 2' sub, HD packer, SN & 175 jts 2-7/8" tbg. Tag sand @ 5584' KB, circ down to BP @ 5630' KB. Set packer @ 5513' KB. Made 21 swab runs, recovered 112 bbls fluid, 1 BO & 111 BW, good gas, no sand last 3 runs. Fluid level stable @ 2300' last 3 runs. 2% oil last 4 runs. Release packer, tag sand 5617', circ down to BP @ 5630' KB. Reset BP @ 5225' KB, test BP 2000 psi - OK. TOOH w/tbg, packer & retrieving tool. Load to recover 643 BW.
DC: \$2,155 CC: \$214,729
- 11-28-94 Completion
BP set @ 5225'. RU Schlumberger to perf 5187'-92' KB. RU Schlumberger. TIH w/retrieving tools, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" XOver, SN, & 164 jts 2-7/8" tbg, set packer @ 5137' KB, EOT @ 5144' KB. RU Western to do KCL break down on 5187'-92' KB w/2,016 gals 2% KCL wtr. ATP 2600 psi, max 5000 psi. ATR 4 bpm. ISIP 2100. Pump 2 balls/bbl. TOOH w/tbg & packer. SWIFN. Load to recover 691 BW.
DC: \$5,910 CC: \$220,639
- 11-29-94 Completion
RU Western to frac 5187'-92' w/21,340# 20/40 mesh sand w/11,382 gals 2% KCL gelled wtr. ATP 3800 psi, max 6600 psi. ATR 26 bpm, max 27.4 bpm ISIP not reported, 5 min 3050 psi, 10 min 2860 psi, 15 min 2860 psi. Screen out, bleed well off, flow back 45 BW. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" XOver, 2-7/8" SN & 150 jts 2-7/8" tbg. Tag sand @ 3970' KB, circ dow to BP @ 5225' KB. 1317' of sand in csg, set packer @ 5137' KB. Made 2 swab runs, recovered 10 bbls of fluid 100% wtr. SWIFN. Load to recover 962 BW.
DC: \$24,286 CC: \$244,925
- 11-30-94 Completion
TP 250 psi. Made 15 swab runs, recovered 61 bbls fluid - 61 BO, 54 BW, good gas, no sand last 16 runs. Fluid level @ 5100' last 3 runs. Oil 15% last 9 runs. Release packer, tag sand @ 5220' KB, circ down to BP @ 5225' KB, release BP, reset BP @ 4300' KB, test 2000 psi - OK. TOOH w/tbg & packer. RU Schlumberger & perf 4246'-54 (4 SPF). RD Schlumberger. TIH w/retrieving tools, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" XOver, 2-7/8" SN, & 134 jts 2-7/8" tbg. Set packer @ 4196' KB, EOT @ 4208' KB. SWIFN.
DC: \$2,994 CC: \$247,919

DAILY OPERATING REPORT

BALCRON FEDERAL #44-4Y

Location: SE SE Section 4, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

- 12-1-94 Completion
TP 0 psi. BP @ 4300' KB, packer @ 4196' KB. RU Western to do KCL break down on 4247'-54' w/2394 gals 2% KCL wtr. ATP 1000 psi, max 5000 psi. ATR 4 bpm, max 4 bpm. ISIP 1200 psi. RU Western to frac same perms w/45,700# 16/30 mesh sand w/15,456 gals 2% KCL gelled wtr. ATP 2400 psi, max 3500 psi. ATR 31.5 bpm, max 33.8 bpm. ISIP 1880 psi, 5 min 1580 psi, 10 min 1490 psi, 15 min 1450 psi, 30 min 1350 psi. SWIFN. Load to recover 1318 BW.
DC: \$27,208 CC: \$275,127
- 12-2-94 Completion
CP 650#. Flow back 50 BW. TIH w/retrieving tool, 2-3/8" x 6' sub, HD packer, 2-3/8" x 2-7/8" XOver, SN, & 135 jts 2-7/8" tbg. Tag sand @ 4235' KB, circ down to BP @ 4300' KB, set packer, @ 4196' KB. Made 15 swab runs, recovered 77 bbls of fluid, 1 BO & 76 BW, good gas, no sand last 4 runs, 5% oil last 2 runs. Fluid level stable @ 2600' last 4 runs. Release packer, tag sand @ 4298' KB, circ down to BP @ 4300' KB. Release BP, BP hung up @ 4270' KB. Could not release BP, TOOH w/tbg & packer. TIH w/retrieving tool & 137 jts 2-7/8" tbg. Could not release BP, could not release retrieving tools from BP. SWIFN.
DC: \$2,069 CC: \$277,196
- 12-3-94 Completion
TOOH w/retrieving tool. TIH w/retrieving tool, XOver, jars, bumper sub, SN & 136 jts 2-7/8" tbg. Jarred up on BP, 4 sets, TOOH w/tbg, bumper sub, jars, retrieving head, & BP. TIH w/tbg production string as follows:
- | | <u>LENGTH</u> | <u>DEPTH KB</u> |
|-----------------------------|---------------|-----------------|
| 1 - jt 2-7/8" J-55 6.5# | 32.42' | |
| 1 - Perf Sub 2-7/8" x 4' | 4.05' | |
| 1 - SN 2-7/8" | 1.10' | |
| 45 - jts 2-7/8", J-55, 6.5# | 1409.71' | |
| 1 - TA 2-1/2" x 5-1/2" | 2.75' | |
| 134 jts 2-7/8", J-55, 6.5# | 4187.87' | |
| KB | 10.00' | |
- ND BOP, ND 5M wellhead, NU 3M well head. Set tbg anchor w/11-1/2" tension. TIH w/rod production string as follows:
1 - BHP 2-1/2"x1-1/2"x16' RWAC w/pa plunger
222 - 3/4" x 25' D-61 Plain Rods
1 - 3/4" x 8' Pony
1 - 1-1/4" x 22' Polish Rod
Pressure test BHP & tbg to 1000 psi - K. SWI & RDMO. Load to recover 1192 BW.
DC: \$25,664 CC: \$302,860

DAILY OPERATING REPORT

BALCRON FEDERAL #44-4Y

Location: SE SE Section 4, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

12-13-94 Start well pumping. Jody Mecham is pumper.
6 SPM, 86" stroke.

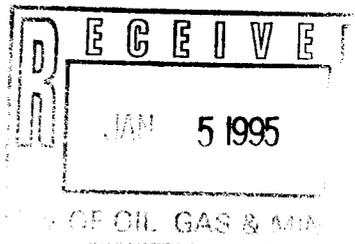
DC: \$39,870

CC: \$342,730

GEOLOGICAL WELLSITE REPORT

Balcron Oil Company
Federal No. 44-4Y
CSESE Sec. 4-T9S-R17E
Duchesne County, Utah

43-012-31452



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

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Sample Description	10-20
Penetration Log	In Pocket

DATA SHEET

OPERATOR: Balcron Oil Company

WELL NAME: Federal No. 44-4Y Lease U-65967

LOCATION: CSESE (660' fsl-660' fel) Section 4, Township 9 South, Range 17 East, Duchesne County, Utah

AREA: Monument Butte Field

ELEVATIONS: 5201.5' Ground Ungraded, 5200' Ground, 5211' KB

SPUDDED: October 9, 1994 @ 2:30 PM

DRILLED OUT: October 31, 1994 @ 12:00 Midnight

REACHED T.D.: November 8, 1994 @ 7:00 AM

COMPLETED: November 9, 1994 @ 11:30 AM

TOTAL DEPTH: 5850' Driller 5858' Logger

STATUS: Oil Well

HOLE SIZE: 12¼" Surface-267'; 7 7/8" 267-5058'

DRILLING FLUID: Air & Foam 267-4000'; Kcl Water 4000-5058'

SURFACE CSG.: Ran 5 jts (257.03') 8 5/8", 24 lb, J-55, ST&C to 267' KB. Cemented w/160 sxs Class G, 2% CaCl₂, ¼ lb per sx Cello Seal. Plugged down October 10, 1994

PRODUCTION CSG. Ran 136 jts (5849.63') 5½", 15 lb, J-55, ST&C to 5845.88' KB. Cemented w/261 sxs Super "G", 47 lbs/sx, ¼ lb/sx Cello Seal. Tailed w/316sxs 50/50 Poz, 2% Gel, ¼ lb/sx Cello Seal. Plugged down November 9, 1994 @ 7:30 AM.

DSTs: None CORES: None

LOGGING: Haliburton Engineer: Vogel Vernal, Utah
 1. DLL w/Gr & Caliper BSC-T.D.
 2. DSNT-SDLT w/Gr & Caliper 3600-T.D.

MUD LOGGERS: Monaco Loggers: Deardorff, Butler Denver, Colorado

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

SUPERVISION: Al Plunkett Gillette, WY

GEOLOGIST: Durwood Johnson Billings, MT

FORMATION TOPS

	<u>Depth</u>	<u>Datum</u>	<u>**Reference Well</u>
TERTIARY			
Uinta	Surface		
Green River	1500	+3711	11' High
Horse Bench Sand	2254	+2957	34' High
2nd Garden Gulch	3881	+1330	17' High
Y-2 Sand	4156	+1055	
Y-3 Sand	4186	+1025	
Y-4 Sand	4246	+ 965	
Yellow Marker	4494	+ 717	16' High
Douglas Creek	4660	+ 551	17' High
R-5 Sand	4848	+ 363	18' High
2nd Douglas Creek	4892	+ 319	24' High
Green Marker	5044	+ 167	8' High
G-5 Sand	5285	+ 26	
Black Shale Facies	5395	- 184	12' High
Carbonate Marker	5496	- 287	14' High
B-1 Sand	5533	- 322	26' High
B-2 Sand	5576	- 365	18' High
B-3 Sand	5715	- 504	

*TOTAL DEPTH:

Driller: 5850

Logger: 5858

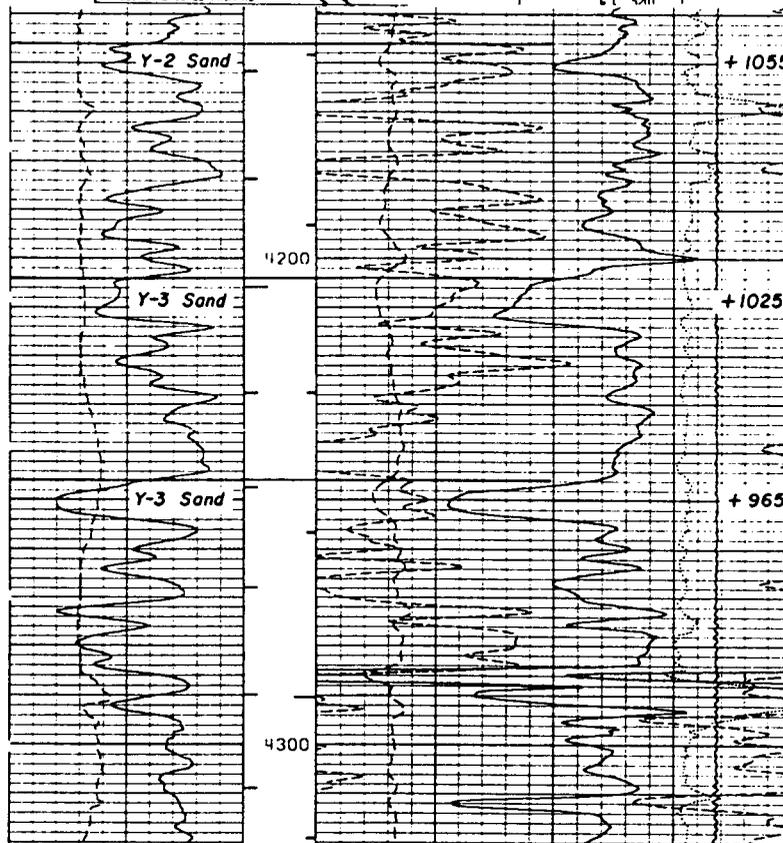
* Penetration log correlation with Haliburton Logs confirm Driller's depths are 5 to 7 feet shallow.

** Reference Well:
 Balcron Federal 24-3Y
 SESW Sec. 3-T9S-R17E
 Duchesne County, Utah



SPECTRAL DENSITY
DUAL SPACED NEUTRON
LOG

COMPANY BALCRON OIL WELL BALCRON FEDERAL #44 FIELD MONUMENT BUTTE COUNTY DUSHESSNE STATE UT	COMPANY	BALCRON OIL
	WELL	BALCRON FEDERAL #44-4Y
	FIELD	MONUMENT BUTTE
	COUNTY	DUSHESSNE
	STATE	UT
	APR NO	43-013-3152
	LOCATION	SE SE 660 FSL 660 FEL
	OTHER SERVICES	DLI
	SECT	4
	TWP	9S
	RGE	17E
PERM DATUM CL	ELEV	5201
LOG MEASURED FROM KB DR 10	FT ABOVE PERM DATUM	
DRILLING MEASURED FROM KB	ELEV	K B 5211 D F 5210 C L 5211

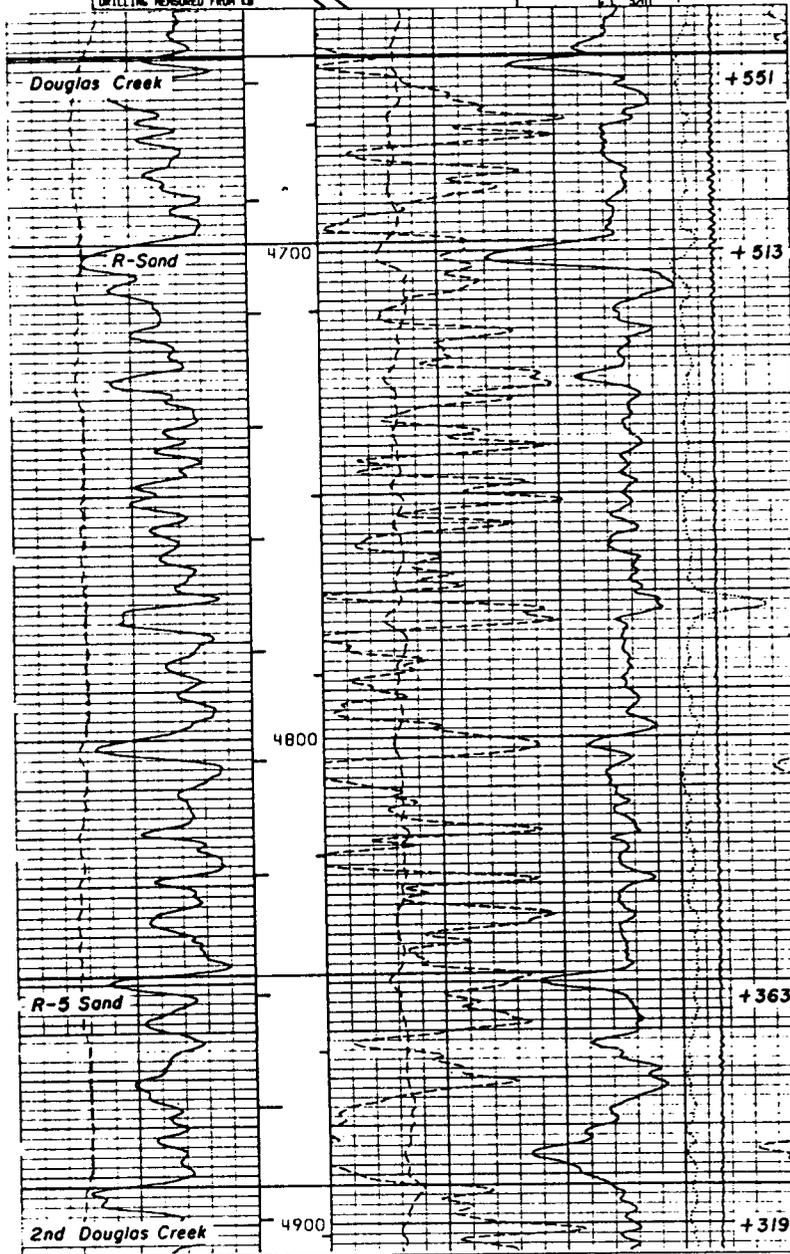


GAMMA		AMV		NEUTRON POR	
3	GAMMA API	150	----	30	PERCENT
	CALIPER				NEUTRON MATRIX - SAND
					DEN POROSITY
6	INCHES	16	----	30	PERCENT
					MATRIX DENSITY - 2.68
				PE	TENSION
				0	10000 POUNDS
					DENSITY CORR
					-.25 GM/CC



SPECTRAL DENSITY
DUAL SPACED NEUTRON
LOG

COMPANY BALCRON OIL WELL BALCRON FEDERAL #44- FIELD MONUMENT BUTTE COUNTY DUSHESSNE STATE UT	COMPANY	BALCRON OIL
	WELL	BALCRON FEDERAL #44-41
	FIELD	MONUMENT BUTTE
	COUNTY	DUSHESSNE
	RPT NO	43-013-3152
	LOCATION	SE SE 660 FSL 660 FEL
	STATE	UT
	OTHER SERVICES	DLL
	SECT	4
	TWP	9S
	RGE	17E
PERMANENT DATUM	CL	ELEV 5201
LOG MEASURED FROM KB OR 10		FT ABOVE PERM DATUM
DRILLING MEASURED FROM KB		ELEV : K B 5211 D F 5210 G L 5201

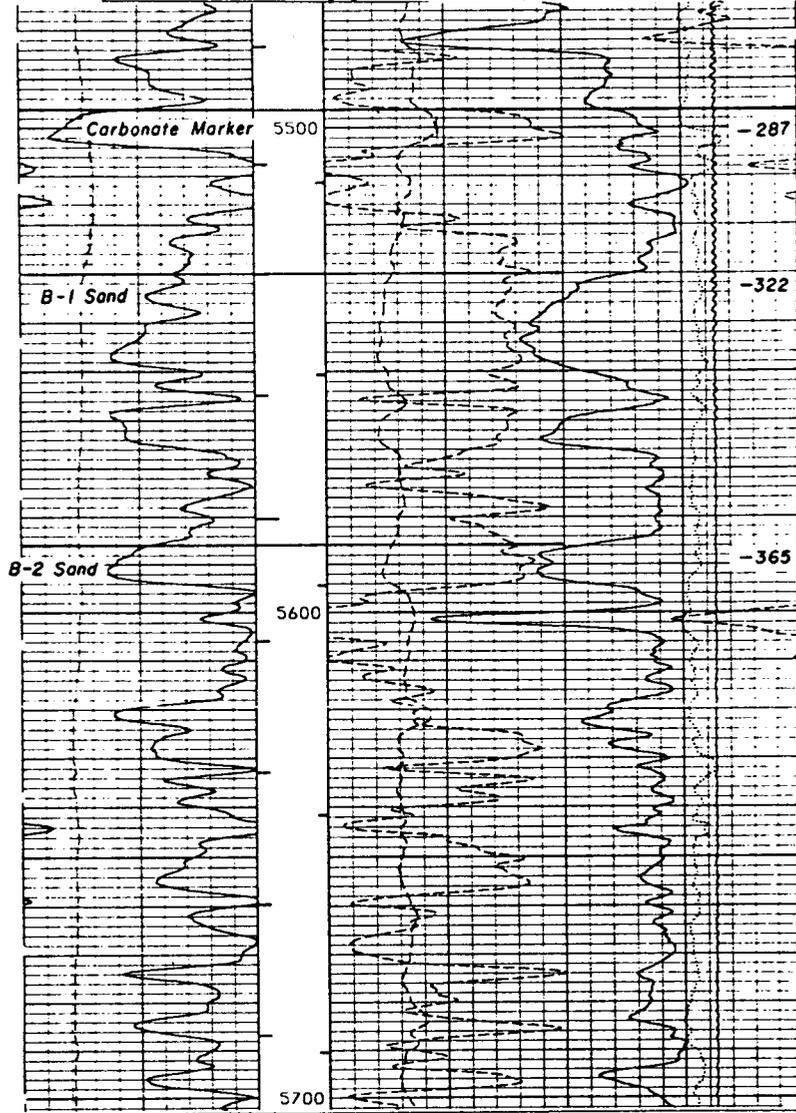


GAMMA	AMV	NEUTRON POR	
0	GAMMA API 150	30	PERCENT NEUTRON MATRIX = SAND -10
6	CALIPER INCHES 16	30	DEN POROSITY
			PERCENT MATRIX DENSITY = 2.68 -10
		PE	TENSION
		0	10 10000 POUNDS 0
			DENSITY CORR
			- .25 GM/CC .25



SPECTRAL DENSITY
DUAL SPACED NEUTRON
LOG

COMPANY BALCON OIL	COMPANY BALCON OIL
WELL BALCON FEDERAL #44	WELL BALCON FEDERAL #44-4Y
FIELD MONUMENT BUTTE	FIELD MONUMENT BUTTE
COUNTY DUSHESE	STATE UT
AP. NO. 43-013-3152	OTHER SERVICES DLL
LOCATION SE SE 660 FSL 660 FEL	
SECT 4	TWP 9S RGE 17E
PERMANENT DATUM LOG MEASURED FROM KB OR 10 DRILLING MEASURED FROM KB	ELEV. 5201 FT ABOVE PERM DATUM
	ELEV. K B 5211 D F 5210 C L 5201

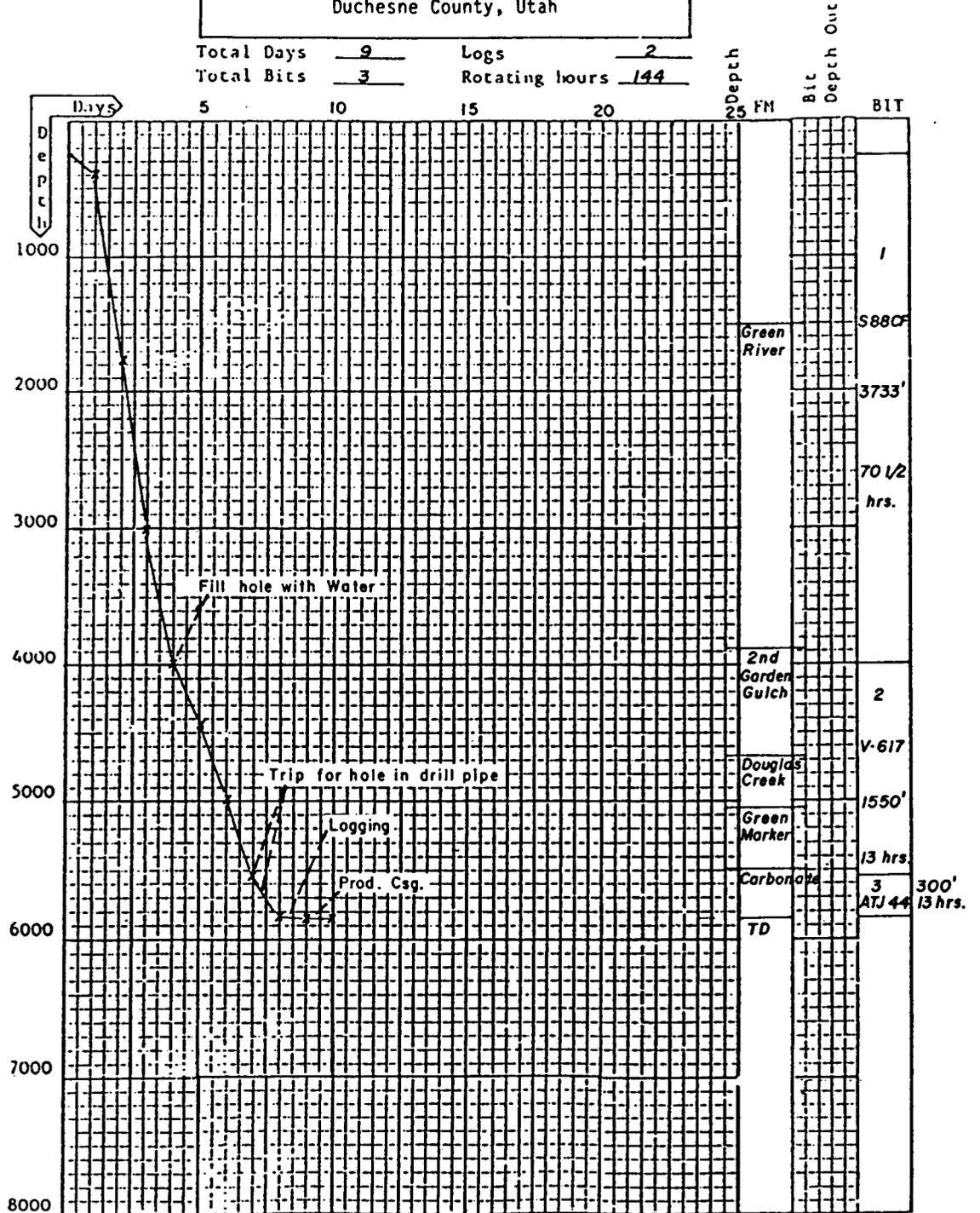


GAMMA	PHV	NEUTRON POR	
8	GAMMA API 150	30	PERCENT -10
			NEUTRON MATRIX - SAND
CALIPER	BHV	DEN POROSITY	
6	INCHES 16	30	PERCENT -10
			MATRIX DENSITY = 2.68
		PE	TENSION
		8	10 10000 POUNDS
			DENSITY CORR
			-.25 GM/CC .25

PENETRATION CHART

Balcron Federal No. 44-4Y
 CSESE Sec. 4-T9S-R17E
 Duchesne County, Utah

Total Days 9 Logs 2
 Total Bits 3 Rotating hours 144



WELL HISTORY

<u>Day</u>	<u>Date</u> 1994	<u>Depth</u>	<u>Operation</u>	<u>Daily Activity-Previous 24 Hrs (6AM-6AM)</u>
1	11/1	398	Drilling	Move & rig up. Nipple up. Pressure test BOPs to 2000 psi, surface casing to 1500 psi. Held O.K. Drill rat hole. Pick up DCs. Drill out from under surface @ 12:00 Midnight 10/31/94. Drill from 267-398' in 5 3/4 hrs.
2	11/2	1792	Drilling	Drill & survey from 398 to 1792'. Made 1394' in 22 hrs.
3	11/3	3003	Drilling	Drill & survey from 1792' to 3003'. Made 1211' in 21 3/4 hrs.
4	11/4	4000	Tripping	Drill & survey from 3003 to 4000'. Loaded hole with Kcl water. Circulate. Trip for Bit 2. Made 977' in 21 hrs.
5	11/5	4456	Drilling	Trip out. Trip in Bit 2. Drill & survey from 4000 to 4456'. Made 456' in 19 1/4 hrs.
6	11/6	5004	Drilling	Drill & survey from 4456 to 5004'. Made 548' in 21 1/2 hrs.
7	11/7	5550	Tripping	Drill & survey from 5004 to 5550'. Lost 200 lbs pump pressure. Check pumps, drop carbide. Trip for hole in drill pipe. Made 540' in 19 3/4 hrs.
8	11/8	5824	Drilling	Trip out. Trip in Bit 3. Work on mud pump. Trip in. Pressure up every 10 stands. Drill from 5550 to 5635'. Lost 200 lbs pump pressure. Trip out. Cracked drill pipe on 20th stand. Lay down. Trip in Bit 3. Drill from 5635 to 5824'. Made 274' in 12 1/4 hrs.
9	11/9	5850	Run Csg.	Drill from 5824 to 5850'. Made 26' in 1 hr. Circulate. Trip for logs. SLM. No correction. Logging 4 1/2 hrs. Trip in. Trip out laying down DP & DCs. Change casing rams & test. Run 5 1/2", 136 jts, production casing.
10	11/10	5850		Cement w/577 sxs. Plug down 7:30 AM, 11/9/94. Nipple down & set slips. Rig released 11:30 AM, 11/9/94.

Balcron Federal No. 44-4Y
CSESE Sec. 4-T9S-R17E
Duchesne County, Utah

SAMPLE DESCRIPTION

Geologist on wellsite at 1200'. Samples lagged and caught by Monaco personnel. Sample quality is fair to good unless noted otherwise. Sample descriptions are adjusted to Laterolog depths with shows underlined. Samples caught at the following intervals:

50' 1400-4000
20' 4000-5850

- 1400-1450 Sandstone, very fine grained, light gray, gray-tan, sub-rounded, fair-good sorting, silty streaks, slightly calcareous, no show; streaks Shale, gray-green, gray, waxy.
- 1450-1500 Sandstone, very fine-fine grained, light gray, clear, silty in part, fair-good sorting; streaks Shale, pale green, sub-waxy, non-calcareous.
- GREEN RIVER 1500 (+3711)
- 1500-1600 Shale, reddish brown, reddish tan, gray-brown, silty in part, dolomitic with occasional limey streaks, grades to marl, dull yellow-gold fluorescence with scattered yellow fluorescence, slow light yellow cloudy cut, occasional fair bright yellow cut - Oil Shale; @ 1550 increased fluorescence, as above, cut, as above - Oil Shale.
- 1600-1650 Shale, as above; streaks Marl, reddish tan, reddish brown, chunky; grades to argillaceous Dolomite, bright gold fluorescence, slow faint cloudy cut, with few chips yielding fair light yellow cut - Oil Shale.
- 1650-1700 Shale, light gray-tan, brown, dolomitic, occasionally grades to Marl; fluorescence, as above, occasional slow very faint light yellow cut - Oil Shale.
- 1700-1750 Shale, reddish tan, brown, dolomitic; streaks Shale, as above; scattered dull gold fluorescence, cut, as above - Oil Shale.
- 1750-1850 Shale, reddish brown, brown, sub-blocky, silty, dolomitic; grades to Marl; bright yellow-gold, and bright yellow fluorescence, fairly slow light yellow cut, occasional fairly persistent good light yellow cut - Oil Shale.

- 1850-1950 Shale, bright reddish tan, reddish brown, dolomitic; dull gold fluorescence, occasional faint slow cloudy cut - Oil Shale; @ 1900 streaks Shale, gray-tan, chunky, dolomitic fluorescence and cut, as above - Oil Shale.
- 1950-2000 Shale, orange, bright tan, brown, very dolomitic, limey in part; Shale, as above; light yellow-gold fluorescence, slow cloudy cut - Oil Shale.
- 2000-2100 Shale, reddish brown, gray-tan, tan, calcareous, occasional limey streaks; gold to dull gold fluorescence, slow cloudy cut, with occasional chips yielding fairly strong light yellow cut - Oil Shale.
- 2100-2200 Shale, dark brown, brown, dolomitic and calcareous, occasionally limey; streaks Dolomite, microcrystalline, cryptocrystalling, brown, argillaceous; faint dull yellow fluorescence, slow faint cloudy cut - Oil Shale; @ 2150 influx dull gold fluorescence, occasional fair light yellow cut - Oil Shale.
- 2200-2250 Shale, as above; Shale, light-medium gray, gray-green, silty in part, sub-waxy, calcareous, limey streaks; scattered dull yellow fluorescence, slow cloudy cut - Oil Shale; trace Siltstone-very fine grained Sandstone, light gray, clear, argillaceous, calcareous, no show.
- HORSE BENCH SAND 2254 (+2957)
- 2250-2300 Sandstone, very fine grained, occasionally fine grained, white, cream, silty streaks, moderately calcareous to limey in part; very faint dull gold fluorescence, no cut.
- 2300-2350 Siltstone, light gray-tan, argillaceous to shaley, moderately calcareous to limey; influx Shale, tan, light gray-tan, moderately calcareous; grades to shaley Limestone; faint dull gold fluorescence, no cut.
- 2350-2450 Marl, tan; grades to shaley Limestone; scattered faint dull gold fluorescence, no cut; abundant Siltstone-very fine grained Sandstone, light gray, good sorting, moderately calcareous, limey streaks.
- 2450-2550 Shale, dark brown, occasionally reddish brown, chunky, sub-waxy, moderately calcareous; grading to Marl; Dolomite, reddish tan, shaley; scattered faint dull gold fluorescence, few chips yield bright light yellow streaming cut - Oil Shale.

- 2550-2650 Shale, as above, increasing reddish brown; streaks Dolomite, cryptocrystalline, tan, orange, argillaceous in part; dull to light gold fluorescence, fair-good cut, as above - Oil Shale.
- 2650-2750 Shale, reddish brown, brown, orange, chunky, dolomitic; bright gold and yellow fluorescence, instant flashing light yellow cut, few chips with persistent light yellow streaming cut - Oil shale.
- 2750-2800 Shale, tan, light gray-tan, dull orange, dolomitic, calcareous in part; scattered dull gold and dull yellow fluorescence, fair light yellow cloudy cut - Oil Shale.
- 2800-2850 Shale, gray-brown, brown, occasionally dull orange, dolomitic; trace fluorescence, as above, slow faint cloudy cut Oil Shale.
- 2850-2950 Shale, dark brown, gray-brown, sub-platy, petro-liferous appearance; bright gold fluorescence and scattered bright yellow fluorescence, fairly strong whitish yellow cut - Oil Shale.
- 2950-3000 Shale, dark gray, gray, gray-green, chunky, very silty and sandy; streaks Sandstone, very fine grained, dark gray-green, gray, argillaceous to shaley; no show.
- 3000-3050 Shale, dark gray, gray-brown, silty and sandy, very dolomitic, no show.
- 3050-3100 Shale, bright tan, gray-tan, moderately calcareous; streaks Limestone, earthy, cream-tan, argillaceous; bright gold and light yellow fluorescence, fair-good bright light whitish yellow cut - Oil Shale.
- 3100-3150 Shale, light gray, gray-green, sub-waxy, dolomitic; streaks Limestone and Shale, as above; trace fluorescence, as above, slow cloudy light yellow cut.
- 3150-3200 Shale, light-medium gray, chunky, sub-waxy, silty in part.
- 3200-3250 Shale, bright tan, cream, dolomitic, calcareous, limey streaks; streaks Limestone, cryptocrystalline, cream, tan, earthy; bright gold fluorescence with scattered light yellow-yellow fluorescence, slow whitish yellow milky cut - Oil Shale.
- 3250-3300 Shale, bright tan, dull orange, blocky, dolomitic; grades to shaley Dolomite; Shale, light-medium gray,

gray-green, sub-waxy, dolomitic; fluorescence and cut, as above - OIL Shale.

- 3300-3350 Shale, gray, gray-green, sub-waxy, dolomitic; streaks Limestone, earthy, cream, tan, argillaceous, dolomitic, fluorescence, as above, occasional fair whitish yellow cut - Oil Shale.
- 3350-3450 Limestone, microcrystalline, earthy, tan, cream, argillaceous; streaks Shale, as above; streaks Shale, reddish brown, sub-platy, blocky, dolomitic; grades to shaley Dolomite; dull yellow and yellow-gold fluorescence, instant good light yellow to whitish yellow cut - Oil Shale.
- 3450-3500 Sandstone, very fine grained, light gray, fair-good sorting, sub-angular to sub-rounded, loose quartz grains, calcareous; trace Limestone and Shale, as above; trace dull yellow-gold fluorescence, slow cloudy cut - Oil Shale.
- 3500-3600 Sandstone, as above; influx Limestone and Shale, as above; @ 3550 increased Shale, dark gray, gray, gray-green, chunky, silty.
- 3600-3750 Limestone, micro-cryptocrystalline, tan, brown, reddish brown, dolomitic in part, earthy streaks, argillaceous; scattered gold and dull yellow fluorescence, instant good whitish yellow cut - Oil Shale; streaks Shale, gray, gray-green, slightly calcareous, sub-waxy; @ 3650 increased Shale, as above.
- 3750-3800 Shale and Limestone, as above; scattered dull gold and yellow fluorescence, rapid cloudy whitish yellow cut.
- 3800-3850 Shale, light-medium gray, gray-green, waxy, slightly calcareous; occasional streaks Limestone, as above, fluorescence, as above; fairly rapid cloudy cut with few whitish yellow streamers - Oil Shale.
- 2nd GARDEN GULCH 3861 (+1330)
- 3850-3900 Shale, as above; influx Sandstone, very fine grained, light gray, white, good sorting, sub-angular to sub-rounded, primarily loose quartz grains, no show.
- 3900-3950 Limestone, crypto-microcrystalline, tan, cream, light brown, argillaceous, dolomitic; dull gold fluorescence, whitish yellow cut.
- 3950-4000 Sandstone, very fine grained, white, good sorting, sub-rounded, primarily loose quartz grains, possible poor porosity, no show.

- 4000-4020 Shale, pale gray, light gray-green, sub-waxy, slightly dolomitic; influx Shale, reddish brown, blocky, dolomitic; grades to a shaley Dolomite; dull yellow-gold fluorescence, fair to good rapid whitish yellow cut - Oil Shale.
- 4020-4060 Shale, pale gray, light gray-green, sub-waxy, silty streaks; Shale, as above; fluorescence and cut, as above Oil Shale.
- 4060-4080 Shale, pale gray, sub-platy, chunky, silty, slightly calcareous; streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, calcareous; streaks Shale, reddish brown, chunky, moderately calcareous; grades to shaley Limestone; fluorescence and cut, as above Oil Shale.
- 4080-4100 Shale, as above; influx Shale, reddish brown, sub-platy, moderately calcareous, limey streaks; increased Limestone, gray-tan, cream, fossiliferous, earthy, argillaceous; dull yellow-gold fluorescence, fair light yellow cut - Oil Shale.
- 4100-4120 Shale, reddish brown, chunky, sub-platy and blocky, moderately calcareous; grades to shaley Limestone; fluorescence and cut, as above - Oil Shale; occasional streaks Shale, light gray, chunky, silty.
- 4120-4140 Shale, pale gray, sub-platy, waxy in part, slightly calcareous, silty streaks.
- Y-2 SAND 4156 (+1055)
- 4140-4160 Sandstone, very fine grained, light gray, gray, gray-tan, sub-angular, good sorting, predominantly contact silica cement, trace poor porosity; tan, light gray-tan stain, few black tarry specks, dull greenish yellow fluorescence, good instant bright light yellow cut; Shale, as above.
- 4160-4180 Shale, light-medium gray, pale green, sub-waxy, occasionally silty; slight increased Limestone, earthy, cream, argillaceous, cavings?
- Y-3 SAND 4186 (+1025)
- 4180-4220 Sandstone, very fine grained, clear, white, sub-angular, fair-good sorting, friable, calcite and silica cement, primarily tight, possible poor porosity; even brown and dark brown stain, abundant light yellow fluorescence with greenish case, rapid light yellow streaming cut - good sample show; Shale, light-medium gray, sub-platy, sub-waxy, silty in part.

- 4220-4240 Shale, light gray-medium gray, silty in part, sub-waxy.
- Y-4 SAND 4246 (+965)
- 4240-4260 Sandstone, very fine grained, light brown, clear, good sorting, sub-rounded, contact silica cement; good even brown and dark brown stain, bright yellow fluorescence with greenish cast, rapid strong light yellow; streaming cut; Shale, brown, dark brown, waxy, petroliferous.
- 4260-4280 Shale, as above; streaks Limestone, cryptocrystalline, cream, tan, earthy, argillaceous; increased Shale, light-medium gray, chunky, silty.
- 4280-4300 Shale, light-medium gray, chunky, very silty, slightly calcareous in part; streaks Siltstone-very fine grained Sandstone, light gray, white, good sorting, argillaceous, tight, no show.
- 4300-4320 Shale, medium gray, gray-brown, platy, splintery, slightly calcareous.
- 4320-4340 Shale, light-medium gray, platy.
- 4340-4360 Shale, dark gray-brown, dark brown, platy, chunky, petroliferous.
- 4360-4380 Shale, light-medium gray, sub-waxy, occasionally silty; trace Siltstone-very fine grained Sandstone, white, good sorting, slightly calcareous, tight, no show.
- 4380-4400 Siltstone-very fine grained Sandstone, white, light gray, silty, slightly calcareous to moderately calcareous, appears tight, no show; streaks Shale, as above.
- 4400-4420 Shale, light-medium gray, light gray-gray, waxy, silty in part, slightly calcareous; streaks Siltstone, light grayish white, argillaceous; occasionally grades to very fine grained Sandstone, appears tight, no show.
- 4420-4440 Shale, light to medium gray, silty, sub-waxy, smooth, slightly calcareous; streaks Siltstone, as above.
- 4440-4460 Shale, dark brown, dark gray-brown, petroliferous; dull yellow fluorescence, slow cloudy cut - Oil Shale; Shale and Siltstone, as above.
- YELLOW MARKER 4494 (+717)

- 4460-4500 Limestone, crypto-microcrystalline, tan-brown, argillaceous to shaley; streaks Shale, black, dark gray-brown, chunky, platy, pyritic, petroliferous; scattered yellow gold fluorescence, fairly rapid light whitish yellow cut - Oil Shale.
- 4500-4520 Shale, light-medium gray, platy, silty in part, slightly calcareous; streaks Shale, reddish brown, chunky, dolomitic, with calcareous streaks.
- 4520-4540 Shale, as above; streaks Siltstone, light gray, occasionally very fine grained, argillaceous, slightly calcareous, tight.
- 4540-4560 Shale, reddish brown, reddish tan, dolomitic in part, moderately calcareous to limey; increased Siltstone-very fine grained Sandstone, light grayish white, good sorting, argillaceous, tight.
- 4560-4580 Shale, light-medium gray, very silty in part.
- 4580-4600 Shale, as above; influx Shale, reddish brown, blocky, chunky, dolomitic, calcareous streaks; Shale, light gray, gray-green, sub-waxy, slightly calcareous.
- 4600-4620 Shale, as above; occasional streaks Siltstone-very fine grained Sandstone, as above.
- 4620-4640 Shale, light-medium gray, platy, smooth, calcareous in part; silty streaks; streaks Shale, reddish brown, as above.
- 4640-4660 Shale, dark brown, black, slightly to moderately calcareous, platy, sub-flaky, carbonaceous; dull gold fluorescence - dry, bright yellow fluorescence in cholothane good light yellow streaming cut.
- DOUGLAS CREEK 4660 (+551)
- 4660-4700 Shale, light-medium gray, smooth, slightly calcareous, silty in part; influx Shale, reddish brown, reddish tan, chunky, blocky, moderately calcareous to limey; scattered dull gold fluorescence, slow faint light yellow cut - Oil Shale.
- 4700-4720 Sandstone, very fine grained, light gray, clear, silty, appears tight, possible poor porosity; pale tan stain, faint dull yellow-gold fluorescence, becomes bright yellow in cholothane, good bright light yellow cut.
- 4720-4740 Shale, pale-medium gray, sub-platy, silty, calcareous streaks; occasional streaks Siltstone-very fine grained Sandstone, as above; streaks Shale, reddish brown, reddish tan, chunky, chalky, dolomitic, streaks moderately calcareous; scattered yellow-dull yellow fluorescence, slow light yellow cut - Oil Shale.

- 4740-4760 Shale, pale-medium gray, slightly calcareous, sub-platy, silty; streaks Siltstone-very fine grained Sandstone, light gray, clear, silica, appears tight.
- 4760-4780 Shale, pale-medium gray, chunky, smooth, sub-platy, slightly calcareous; streaks Shale, reddish tan, chunky, dolomitic and calcareous.
- 4780-4800 Shale, pale gray to medium gray, moderately calcareous; streaks Siltstone-very fine grained Sandstone, white, light gray, good sorting, argillaceous, slightly calcareous, tight.
- 4800-4820 Shale, as above, moderately calcareous; streaks Siltstone-very fine grained Sandstone, as above.
- 4820-4840 Shale, pale-medium gray, chunky, silty in part, moderately calcareous; occasional streaks Siltstone-very fine grained Sandstone, as above, no show.
- R-5 SAND 4848 (+363)
- 4840-4860 Siltstone-very fine grained Sandstone, light gray, white, good sorting, sub-angular to sub-rounded, primarily tight, streaks poor porosity; few clusters with faint pale tan stain, light yellow-yellow fluorescence, fairly rapid light yellow cut.
- 4860-4880 Shale, dark gray-brown, dark brown, chunky, petro-liferous.
- 4880-4900 Shale, as above; influx Sandstone, very fine grained, white, good sorting, sub-angular to sub-rounded, silty, moderately calcareous, no show.
- 2nd DOUGLAS CREEK 4892 (+319)
- 4900-4920 Sandstone, very fine grained, tan, light gray, good sorting, sub-angular, appears primarily tight, streaks poor porosity; even tan, light brown stain, dull yellow-yellow fluorescence with greenish cast, fairly rapid steady whitish yellow cut.
- 4920-4940 Shale, pale-medium gray, reddish tan, dolomitic, streaks moderately calcareous, silty in part; occasional streaks Siltstone-very fine grained Sandstone, as above; trace fluorescence and cut, as above.
- 4940-4960 Shale, brown, gray-brown, moderately calcareous, carbonaceous; streaks Sandstone, very fine grained, tan, white, sub-rounded, good sorting; streaks light tan, light brown stain, dull yellow fluorescence, slow light yellow cut.
- 4960-4980 Shale, light-medium gray, chunky, silty; streaks Silt-

stone-very fine grained Sandstone, as above; trace fluorescence and cut, as above.

- 4980-5000 Shale, as above, silty and sandy in part; influx Siltstone-very fine grained Sandstone, light gray, calcareous, argillaceous, appears tight; trace stain, fluorescence, and cut, as above.
- 5000-5020 Sandstone, very fine grained, light gray-tan, sub-angular argillaceous, appears primarily tight, streaks poor porosity; even tan to light brown stain, dull yellow fluorescence with greenish case, rapid light yellow cut; streaks Shale, pale gray.
- 5020-5040 Shale, dark brown, dark gray, black, chunky, carbonaceous, calcareous to limey in part.
- GREEN MARKER 5044 (+167)
- 5040-5060 Shale, as above; Shale, light-medium gray, smooth, occasionally calcareous; occasional streaks Siltstone, light-medium gray, argillaceous, slightly calcareous.
- 5060-5080 Shale, gray-tan, gray-brown, gray, chunky, silty, calcareous; occasional streaks Siltstone, gray-tan, argillaceous, calcareous.
- 5080-5100 Shale, gray, gray-tan, occasionally silty, slightly calcareous; influx Shale, reddish tan, moderately calcareous.
- 5100-5120 Shale, pale-medium gray, chunky, blocky, calcareous, silty in part; streaks Shale, bright reddish tan, chunky, limey.
- 5120-5140 Shale, as above, very silty; occasional streaks Siltstone, light gray, reddish tan, argillaceous, moderately calcareous.
- 5140-5180 Shale, light gray, gray, calcareous, slightly silty; streaks Siltstone, light gray, argillaceous, calcareous; @ 5160 streaks Shale, bright reddish tan, moderately calcareous to limey.
- 5180-5200 Siltstone-very fine grained Sandstone, white, light gray, good sorting, calcareous, appears tight; streaks Bentonite, cream, white, soft; Shale, light gray, platy, flaky; Shale, reddish orange, moderately calcareous; grades to shaley Limestone.
- 5200-5220 Shale, light to medium gray, gray-brown, reddish tan, blocky, platy, waxy in part; streaks Siltstone-very fine grained Sandstone, as above.

- 5220-5240 Shale, light-medium gray, smooth, waxy, slightly calcareous and silty.
- 5240-5260 Shale, as above; influx Shale, black, dark gray, platy, chunky, slightly calcareous.
- 5260-5280 Shale, dark gray, dark gray-brown, chunky, platy slightly carbonaceous.
- 5280-5320 Shale, gray-dark gray, platy, chunky, calcareous in part' @ 5300 influx Shale, pale-medium gray, platy, chunky, sub-waxy.
- 5320-5340 Shale, light to medium gray, waxy, sub-platy, occasionally silty; streaks Shale, as above.
- 5340-5400 Shale, black, dark brown, platy, soft, carbonaceous, limey streaks; @ 5380 streaks Shale, light gray, gray-tan, platy, calcareous, soft.
- BLACK SHALE FACIES MARKER 5395 (-184)
- 5400-5460 Shale, black, sub-platy, chunky, soft, slightly calcareous, carbonaceous; @ 5420 streaks Shale, gray-brown, chunky, calcareous.
- 5460-5500 Shale, black, flaky, sub-platy, moderately calcareous, carbonaceous; @ 5480 streaks Shale, gray-brown, dark gray, brown, chunky, soft, limey streaks.
- CARBONATE MARKER 5496 (-287)
- 5500-5520 Limestone, earthy, pale gray-cream, slightly calcareous, good sorting, silty, appears tight; streaks Shale, light-medium gray, platy, slightly calcareous.
- 5532 ~372
- B-1 SANDSTONE 5518 (-307)
- 5520-5540 Sandstone, very fine grained, as above, sub-angular, good sorting, silica and clay cement, streaks poor porosity; light brown gray-brown stain, dull yellow to yellow fluorescence with greenish cast, flashing whitish yellow cut; streaks Bentonite, cream, soft; Shale, as above.
- 5540-5580 Siltstone-very fine grained Sandstone, light grayish white, gray-brown, good sorting, appears primarily tight, streaks poor porosity; spotty stain, fluorescence and cut, as above; streaks Shale, pale gray, greenish gray, platy, flaky, sub-waxy.
- B-2 SANDSTONE 5576 (-365)

- 5580-5600 Sandstone, very fine to occasionally fine grained, sub-angular, poor-fair sorting, clean, tan, scattered tan-brown stain, some black residual specks, dull greenish yellow fluorescence, fair slow light yellow cut. (Not real weak - but not real strong.)
- 5600-5620 Shale, black, brittle, very carbonaceous - coaly; streaks Shale, gray-brown, chunky, carbonaceous.
- 5620-5640 Shale, gray-brown, medium gray, platy, soft; streaks Shale, as above; Sandstone, very fine grained, white, light gray, angular, poor-fair sorting, clay and silica cement, tight, no show.
- 5640-5680 Shale, medium gray, sub-waxy, platy; occasional streaks Sandstone, as above; streaks Shale, reddish tan, blocky, chunky, moderately calcareous to limey - Oil Shale.
- 5680-5720 Shale, as above; influx Shale, reddish tan, moderately calcareous to limey; @ 5700 trace Shale, black, brittle, carbonaceous to coaly.
- 5720-5760 Shale, light to medium gray, platy, smooth; Shale, reddish orange, reddish tan, blocky, chunky, moderately calcareous; grades to argillaceous Limestone; @ 5470 increased Shale, reddish tan, as above.
- 5760-5780 Shale, black, brittle, lignitic.
- 5780-5800 Shale, as above; influx Shale, light-medium gray, waxy, slightly calcareous; occasional streaks Siltstone-very fine grained Sandstone, argillaceous, slightly calcareous, tight.
- 5800-5820 Shale, as above; increased Sandstone, very fine-fine grained, clear, sub-angular, fair sorting, clay and silica cement, uphole cavings common, no show.
- 5820-5840 Shale, as above; Sandstone, fine grained, light gray, clear, angular to sub-angular, fair sorting, appears tight, possible poor porosity; scattered spotty light tan stain, dull yellow and gold fluorescence, fairly slow good whitish yellow cut.
- 5840-5850 Shale, black, dark gray-brown, brittle very carbonaceous, coal.

EQUITABLE RESOURCES ENERGY

U-65967

Bmf # 44-44

43-013-31452

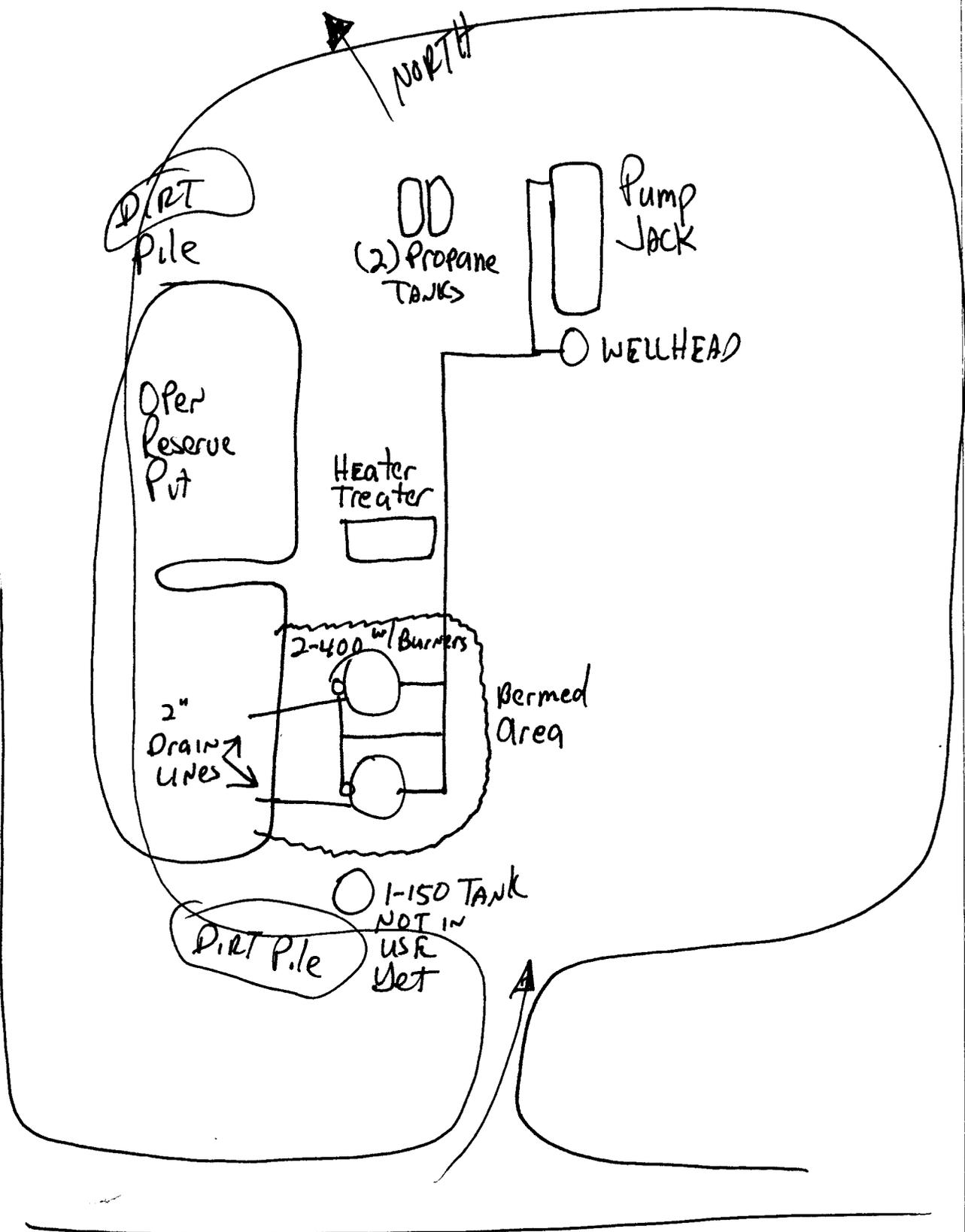
Sec 4; T9S; R17E

2/1/95

POW

Lenno Logan

42,381 50 SHEETS 1/2 SQUARE
42,382 100 SHEETS 1/4 SQUARE
42,383 200 SHEETS 1/8 SQUARE
42,384 300 SHEETS 1/16 SQUARE
NATIONAL



EQUIPMENT INVENTORY
UTAH DIVISION OF OIL, GAS AND MINING
STATE OF UTAH

Operator: EQUITABLE RESOURCES Lease: State: Federal: Y Indian: Fee:
Well Name: BALCRON MONUMENT FEDERAL #44-4Y API Number: 43-013-31449 ³¹⁴⁵²
Section: 4 Township: 9S Range: 17E County: DUCHESNE Field: MONUMENT BUTTE
Well Status: POW Well Type: Oil: YES Gas:

PRODUCTION LEASE EQUIPMENT: (NUMBER)

Boiler(s): N Compressor(s): N Separator(s): N Dehydrator(s): N
Shed(s): N Line Heater(s): N Heated Separator(s): N VRU: N
Heater Treater(s): YES

PUMPS:

Triplex: Chemical: Centrifugal: YES

LIFT METHOD:

Pumpjack: Y Hydraulic: Submersible: Flowing:

GAS EQUIPMENT: (NUMBER)

Purchase Meter: Sales Meter:

TANKS:

	NUMBER	SIZE
Oil Storage Tank(s):	<u>YES</u>	<u>2-400 OIL W/BURNER</u> BBLs
Water Tank(s):	<u>YES</u>	<u>1-150 OPEN TOP</u> BBLs
Power Water Tank:	<u>N</u>	<u> </u> BBLs
Condensate Tank(s):	<u>N</u>	<u> </u> BBLs
Propane Tank:	<u>(2)</u>	

Central Battery Location: (IF APPLICABLE)

Qtr/Qtr: Section: Township: Range:

REMARKS: NO METERING OR GAS LINES YET. EQUIPMENT IS RUNING ON CASING GAS
AND PROPANE BACKUP. GLYCOL PUMP IS FOR TRACE.

Inspector: DENNIS L. INGRAM Date: 2/1/95



EQUITABLE RESOURCES
ENERGY COMPANY

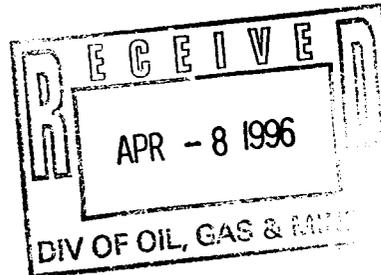
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

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

March 22, 1996

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



Gentlemen:

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

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

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

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

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Operator name change</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman Title: Regulatory and Environmental Specialist Date: March 27, 1996
 Bobbie Schuman

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ	✓
2	DES 58-FILE	✓
3	VLD (GIL)	✓
4	RJE	✓
5	LEP	✓
6	FILE	✓

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

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

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

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

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

Name: **SEE ATTACHED**	API: <u>D13-31452</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

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

FILING

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

COMMENTS

9/20/10 BLM/BIA "Formal approval not necessary".

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT (Highlight Changes)

Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ COYOTE FEDERAL 21-5 4304732260 11500 08S 25E 5	GRRV					
✓ COYOTE FEDERAL 13-5 4304732261 11500 08S 25E 5	GRRV					
✓ FEDERAL 22-10Y 4301331395 11501 09S 17E 10	GRRV					
✓ FEDERAL 41-21Y 4301331392 11505 09S 16E 21	GRRV					
✓ FEDERAL 44-14Y 4304732438 11506 09S 17E 14	GRRV					
✓ FEDERAL 21-13Y 91331400 11510 09S 16E 13	GRRV					
✓ FEDERAL 21-9Y 4301331396 11513 09S 16E 9	GRRV					
✓ FEDERAL 21-25Y 4301331394 11530 09S 16E 25	GRRV					
✓ MONUMENT FEDERAL 11-25 4304732455 11625 08S 17E 25	GRRV					
✓ ALLEN FEDERAL 31-6G 4301331442 11642 09S 17E 6	GRRV					
✓ BALCRON FEDERAL 41-19Y 4304732504 11651 09S 18E 19	GRRV					
✓ BALCRON MONUMENT STATE 14-2 4301331425 11656 09S 17E 2	GRRV					
✓ FEDERAL 44-4Y 4301331452 11679 09S 17E 4	GRRV					
TOTALS						

COMMENTS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

UTAH - ALL

Balcron Coyote Fed. #42-6X	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	OSI	Green River	U-017439-B	43-047-32346	1987' FNL, 682' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #44-6	Coyote Basin	SE SE	6	8S	25E	Uintah	UT	PND	Green River	U-017439B	43-047-32421	560' FSL, 760' FEL	Vernal	Coyote Basin
Balcron Federal #12-20Y	8 Mile Flat N.	SW NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32617	1980' FNL, 660' FWL	Vernal	
Balcron Federal #12-22Y	8 Mile Flat N.	SW NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-66191	43-013-31476	2105' FNL, 660' FWL	Vernal/Priv.sfc.	
Balcron Federal #21-13Y	Monument Butte	NE NW	13	9S	16E	Duchesne	UT	Oil	Green River	U-64805	43-013-31400	703' FNL, 1831' FWL	Vernal	
Balcron Federal #21-25Y	Monument Butte	NE NW	25	9S	16E	Duchesne	UT	Oil	Green River	U-64380	43-013-31994	500' FNL, 1980' FWL	Vernal	
Balcron Federal #21-9Y	Monument Butte	NE NW	9	9S	16E	Duchesne	UT	Oil	Green River	U-65207	43-013-31396	476' FNL, 2051' FWL	Vernal	
Balcron Federal #22-10Y	Monument Butte	SE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31395	1980' FNL, 1980' FWL	Vernal	
Balcron Federal #24-3Y	Monument Butte	SE SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31397	562' FSL, 1887' FWL	Vernal	
Balcron Federal #31-14Y	Undesignated	NW NE	14	9S	19E	Uintah	UT	PND	WASATCH	U-66193		500' FNL, 2740' FWL	Vernal/Priv.sfc.	
Balcron Federal #31-19Y	8 Mile Flat N.	NW NE	19	9S	18E	Duchesne	UT	Oil	Green River	U-65635	43-047-32614	660' FNL, 1880' FEL	Vernal	
Balcron Federal #31-5Y	8 Mile Flat N.	NW NE	5	9S	18E	Uintah	UT	Oil	Green River	U-65970	43-047-32503	660' FNL, 1980' FEL	Vernal	
Balcron Federal #32-19Y	8 Mile Flat N.	SW NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32615	1980' FNL, 1980' FEL	Vernal	
Balcron Federal #41-19Y	Monument Butte	NE NE	19	9S	17E	Duchesne	UT	Oil	Green River	U-65967	43-047-32504	660' FSL, 660' FEL	Vernal	
Balcron Federal #41-21Y	Monument Butte	NE NE	21	9S	16E	Duchesne	UT	Oil	Green River	U-64379	43-013-31392	970' FNL, 894' FEL	Vernal	
Balcron Federal #42-19Y	8 Mile Flat N.	SE NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32616	2100' FNL, 500' FEL	Vernal	
Balcron Federal #44-14Y	Monument Butte	SE SE	14	9S	17E	Uintah	UT	Oil	Green River	U-64806	43-047-32438	1008' FSL, 832' FEL	Vernal	
Balcron Federal #44-4Y	8 Mile Flat N.	SE SE	4	9S	17E	Duchesne	UT	Oil	Green River	U-65635	43-013-31452	660' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #11-10-9-17Y		NW NW	10	9S	17E	Duchesne	UT	PND	Green River				Vernal	
Balcron Monument Fed. #11-20-9-18Y	Monument Butte	NW NW	20	9S	18E	Uintah	UT	OIL	Green River	U-64917	43-047-32712	500' FNL, 500' FWL	Vernal	
Balcron Monument Fed. #11-22-8-17Y	Monument Butte	NW NW	22	8S	17E	Duchesne	UT	OIL	Green River	U-66191	43-013-31539	635' FNL, 658' FWL	Vernal	
Balcron Monument Fed. #11-25	Monument Butte	NW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32455	739' FNL, 648' FWL	Vernal	
Balcron Monument Fed. #11-6	Monument Butte	NW NW	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A	43-013-31362	804' FNL, 696' FWL	Vernal	Jonah
Balcron Monument Fed. #11-7J	Monument Butte	NW NW	7	9S	17E	Duchesne	UT	COMPL-WW	Green River	U-44426	43-013-31492	681' FNL, 447' FWL	Vernal	Jonah
Balcron Monument Fed. #12-10-9-17Y	Monument Butte	SW NW	10	9S	17E	Duchesne	UT	COMPL	Green River	U-65210	43-013-31536	1994' FNL, 618' FWL	Vernal	
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Vernal	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31410	739' FNL, 648' FWL	Vernal	Jonah
Balcron Monument Fed. #12-14J	Monument Butte	SW NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31488	2004' FNL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #12-25	Undesignated	SW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32526	1486' FNL, 875.7' FWL	Vernal	
Balcron Monument Fed. #12-7J	Monument Butte	SW NW	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-31493	1965' FNL, 620' FWL	Vernal	Jonah
Balcron Monument Fed. #13-11J	Monument Butte	NW SW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15790	1819' FSL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #13-5	Monument Butte	NW SW	5	9S	17E	Duchesne	UT	WW	Green River	U-020252	43-013-31370	1980' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	UT	WW	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Vernal	Jonah

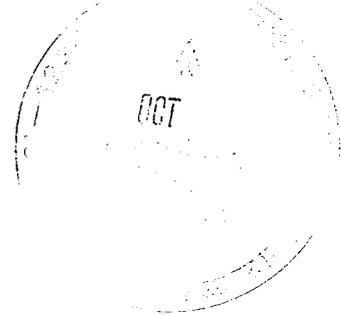
RECEIVED

OCT 10 1997



October 7, 1997

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



RE: Change of Operator
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

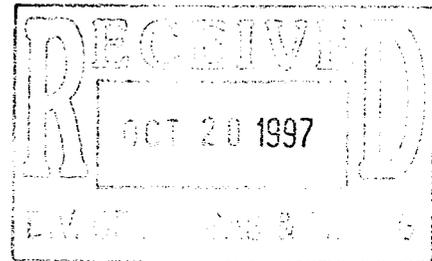
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY


Patsy Barreau

/pb
encls.



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

RECEIVED

OCT 13 1997

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandon *
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

Approximate date work will start _____

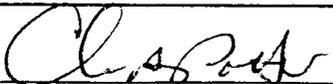
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

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

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13. Name & Signature: 

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

(This space for State use only)

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #24-3Y	SESW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31397-00	UTU75037	
✓ BALCRON FEDERAL #44-4Y	SESE 4 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31452-00	UTU65967	
✓ BALCRON FEDERAL #14-3Y	SW SW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31535-00	UTU75037	
✓ MONUMENT FEDERAL #11-11Y	NW NW 119S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31593-00	UTU65210	
✓ MONUMENT FEDERAL #31-5-9-17	NW NE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31680-00	UTU74808	
ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #12-5	SWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30611-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #12-6	SWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30582-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #21-5	NENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30612-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #21-6	LOT3 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30584-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #23-6	NESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30558-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #32-6	SWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30559-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #34-6	SWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30586-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #41-6	NENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30581-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #43-6	NESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30583-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL A #1	NWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15780-00	UTU020252	UTU72086A
✓ C&O GOV'T #1	NWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15111-00	UTU035521A	UTU72086A
✓ C&O GOV'T #2	NWSE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15112-00	UTU035521	UTU72086A
✓ C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ CASTLE PEAK FEDERAL #22-15	SENW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30634-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #24-15	SESW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30631-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #31-15	NWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30613-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #33-15	NWSE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30632-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #44-10	SESE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30630-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #42-15	SENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30633-00	UTU017985	UTU72086A
✓ FEDERAL #2-1	NENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30603-00	UTU33992	UTU72086A
✓ GETTY #12-1	NWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30889-00	UTU44426	UTU72086A
✓ GETTY #7-A	NENE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30926-00	UTU44426	UTU72086A
✓ GETTY #7-C	NENW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30961-00	UTU44426	UTU72086A
✓ GOATES FEDERAL #1	SESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15789-00	UTU096547	UTU72086A
✓ GOATES FEDERAL #3	NWNW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15791-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #1-14	SWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30703-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-23	NESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30646-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-34	SWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30736-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-43	NESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30734-00	UTU52013	UTU72086A



**EQUITABLE RESOURCES
ENERGY COMPANY**

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: *Lisha*
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3
UT08438

December 5, 1997

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

43-013-31452
Re: Well No. Balcron Federal 44-4Y
SESE, Sec. 4, T9S, R17E
Lease U-65967
Duchesne County, Utah

Dear Sir:

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

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

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager,
Minerals Resources

cc: Division of Oil, Gas & Mining
Equitable Resources Energy Company
ABO Petroleum Corp.
Myco Industries Inc.
Yates Drilling Company
Yates Petroleum Corp.

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-LEC ✓
2-GLH ✓	7-KAS ✓
3-DTS ✓	8-SIL ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

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

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

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

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

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-013-31452</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
- 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. *(12-9-97)*
- lec 6. Cardex file has been updated for each well listed above. *(12-10-97)*
- lec 7. Well file labels have been updated for each well listed above. *(12-10-97)*
- 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. *(12-9-97)*
- 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

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

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 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.
- 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

- Yes 1. All attachments to this form have been microfilmed. Today's date: 1.10.98.

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

971209 BLM / Vernal Aprv 12-4-97.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-65967

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
NA

8. Well Name and No.
FEDERAL 44-4Y

9. API Well No.
43-013-31452

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

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

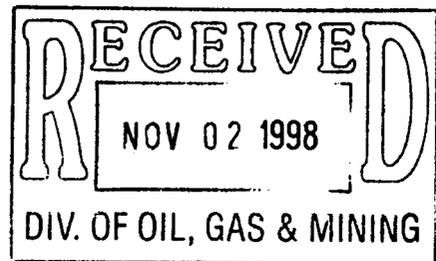
4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0660 FSL 0660 FEL SE/SE Section 4, T09S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other Site Security
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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

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



14. I hereby certify that the foregoing is true and correct
Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/30/98

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____

Conditions of approval, if any:
CC: UTAH DOGM

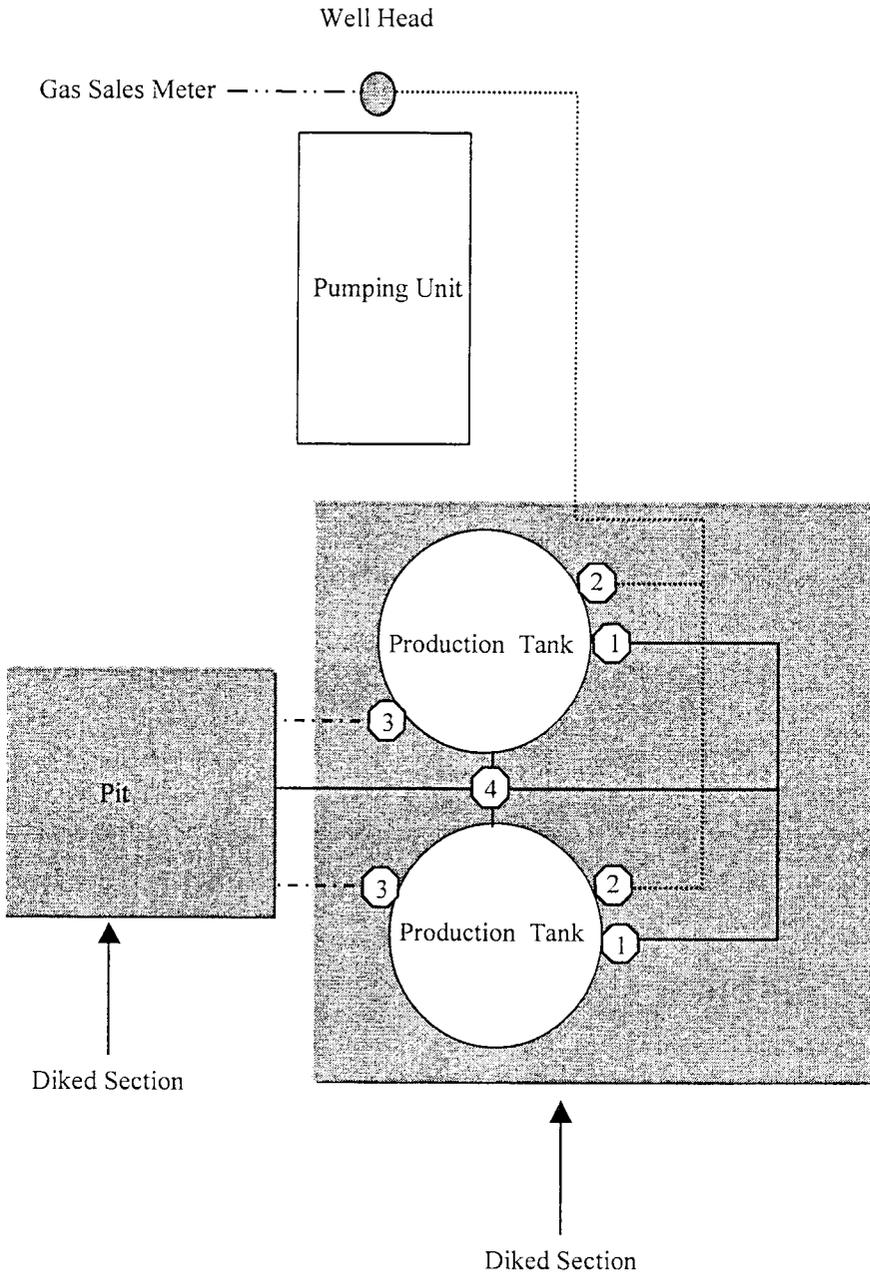
Inland Production Company Site Facility Diagram

Federal 44-4Y

SE/SE Sec. 4, T9S, 17E

Duchesne County

Sept. 17, 1998



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

Production Phase:

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

Sales Phase:

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

Draining Phase:

- 1) Valve 3 open

Legend

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



February 1, 2000

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

RE: Permit Application for Water Injection Well
~~Balcron~~ Federal #44-4Y *43-013-31452 / uic-250.6*
Monument Butte Field, Blackjack Unit, Lease #U-65967
Section 4-Township 9S-Range 17E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Balcron Federal #44-4Y from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Mike Mihaljevich at (303) 382-4434.

Sincerely,

David Donegan
Manager of Operations

RECEIVED
FEB 1 2000
DIVISION OF OIL, GAS AND MINING
SALT LAKE CITY, UTAH

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
BALCRON FEDERAL #44-4Y
BLACKJACK UNIT
MONUMENT BUTTE (GREEN RIVER) FIELD
LEASE #U-65967
FEBRUARY 1, 2000

RECEIVED
FEB 1 2000
BUREAU OF LAND MANAGEMENT
COLUMBIA, MISSOURI

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RECEIVED
OCT 11 2010
DIVISION OF
OIL, GAS AND MINING

Balcron Federal #44-4Y

Spud Date: 9-30-94
 Put on Production: 12-13-94
 GL: 5201.5' KB: ?

Initial Production: 20 BOPD, 0
 MCFPD, 0 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (260.15')
 DEPTH LANDED: 267'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G", est ? Bbls cmt to surface

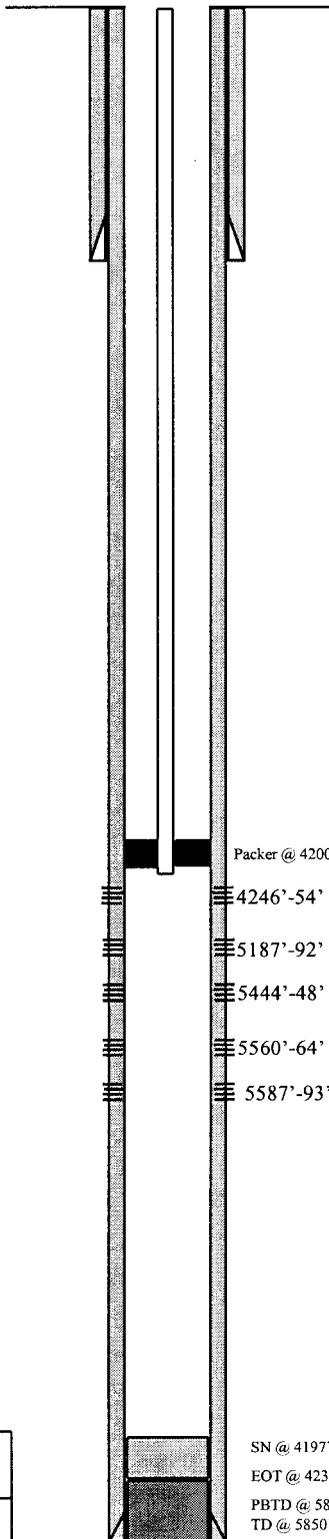
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts.
 DEPTH LANDED: 5849'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 261 sx Super G & 316 sx 50/50 Poz
 CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
 NO. OF JOINTS: 102 jts
 PACKER: 4200'
 SEATING NIPPLE: 2-7/8" (1.10')
 TOTAL STRING LENGTH: EOT @ 4236'
 SN LANDED AT: 4197'

Proposed Injection
 Diagram



 **Inland Resources Inc.**
Balcron Federal #44-4Y
 660 FSL 660 FEL
 SESE Section 4-T9S-R17E
 Duchesne Co, Utah
 API #43-013-31452; Lease #U-65967

[Faint, illegible text, possibly a stamp or signature]

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down, move out.

RECEIVED
OIL FIELD

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Balcron Federal #44-4Y from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Blackjack Unit.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. In the Balcron Federal #44-4Y well, the proposed injection zone is from 4246' - 5593'. The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Balcron Federal #44-4Y is on file with the Utah Division of Oil, Gas and Mining.

RECEIVED
JAN 11 1982
UTAH DIVISION OF
OIL, GAS AND MINING

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #U-65967) in the Monument Butte (Green River) Field, and this request is for administrative approval.

RECEIVED
JAN 11 2011
DIVISION OF
OIL, GAS AND MINING

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 **Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 267' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5849' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, F-2, and F-3

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2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1300 psig and the maximum injection pressure will not exceed 1547 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Balcron Federal #44-4Y, for proposed zones (4246' - 5593') calculates at .719 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1547 psig. See Attachment G through G-3.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Balcron Federal #44-4Y, the injection zone (4246' - 5593') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' within the Monument Butte area. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

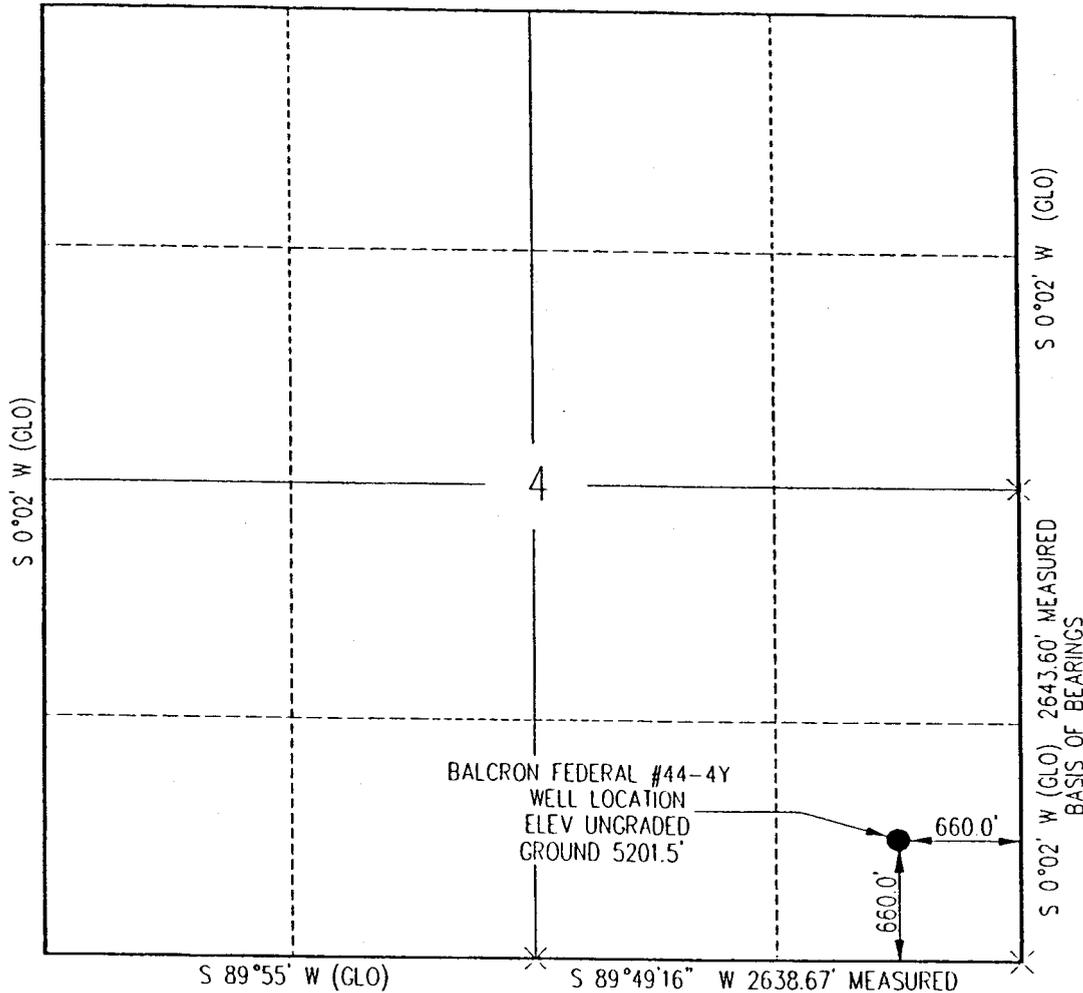
Inland Production Company will supply any requested information to the Board or Division.

INLAND PRODUCTION COMPANY
10000
E. 10000
OIL COMPANY

Attachment 'A-1'

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

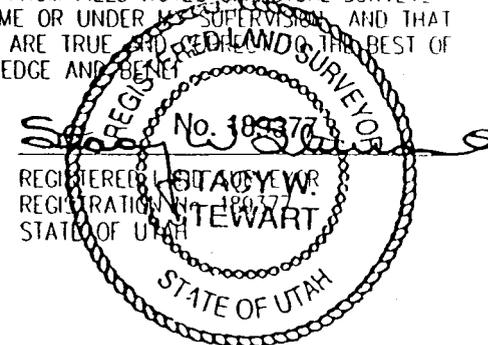
S 89°58' W (GLO)



WELL LOCATION, BALCRON FEDERAL #44-4Y, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 4, T9S, R17E, S.L.B. & M, DUCHESNE COUNTY UTAH.



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



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)

WEATHER: STORMY & COLD
DATE: 2/18/94
SCALE: 1" = 1000'
SURVEYED BY: SS CB
FILE: 44-4Y



OIL COMPANY

Attachment B

Page 1

ENERGY
OIL, GAS AND MINERAL RIGHTS

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	Township 9 South, Range 17 East Section 3: L, 2,3,4, S/2N/2	UTU-61252 HBP	CoEnergy Rockies Wildrose Resources Corp	(Surface Rights) USA
2.	Township 9 South, Range 17 East Section 3: N/2S/2	UTU-44004 HBP	CoEnergy Rockies Wildrose Resources Corp	(Surface Rights) USA
3.	Township 9 South, Range 17 East Section 3: S/2S/2 Section 25: S/2S/2 Section 28: All Section 29: SE/4SW/4 Section 31: Lots 2-4, E/2SW/4, W/2SE/4	UTU-75037 HBP	Inland Production Company Yates Petroleum Corporation	(Surface Rights) USA
4.	Township 9 South, Range 17 East Section 1: Lots 1-3, S/2NE, SE/4NW/4 Section 4: SE/4SE/4 Section 25: NE/4SW/4	UTU-65967 HBP	Inland Production Company Yates Petroleum Corporation ABO Petroleum Corporation Yates Drilling Company Myco Industries, Inc.	(Surface Rights) USA
5.	Township 9 South, Range 17 East Section 4: Lots 1-12, S/2N/E4 SE/4NW/4, S/2SE/4 Section 31: NE/4, E/2NW/4, NE/4SE/4	UTU-75038 HBP	Inland Production Company	(Surface Rights) USA

Attachment B

Page 2

DEPARTMENT OF
 ENERGY
 DIVISION OF
 OIL, GAS AND MINING

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
6.	Township 9 South, Range 17 East Section 9: Lots 1,2,3	UTU-75078 HBP	Inland Production Company	(Surface Rights) USA
7.	Township 9 South, Range 17 East Section 10: W/2NE/4, NW/4 Section 11: N/2 Section 24: All Section 31: SE/4SE/4	UTU-65210 HBP	Inland Production Company Yates Petroleum Corporation Abo Petroleum Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
8.	Township 9 South, Range 17 East Section 9: SW/4NE/4, W/2	UTU-50750 HBP	Inland Production Company Key Production Company	(Surface Rights) USA
9.	Township 9 South, Rang 17 East Section 9: Lot 4, E/2SE/4	UTU-74806 HBP	Inland Production Company	(Surface Rights) USA

Attachment B

Page 3

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DIVISION OF
OIL AND GAS LEASING

#	Land Description	Minerals Ownership	Minerals Leased By
10	Township 9 South, Range 17 East Section 4: Baxter Lode "A" Mineral Survey No 5566, Baxter Lode "B" Mineral Survey No 5567, Baxter Lode "C" Mineral Survey No 5565, Baxter Lode "D" Mineral Survey No 5564, Lying in Sections 4 & 9 Section 9: Baxter Lode "E" Mineral Survey No 5563	Ziegler Chemical & Mineral Company	Inland Production Company

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

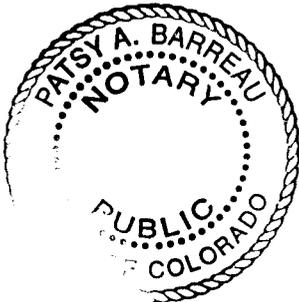
RE: Application for Approval of Class II Injection Well
Balcron Federal #44-4Y

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: David Donegan
Inland Production Company
David Donegan
Manager of Operations

Sworn to and subscribed before me this 1st day of February, 2000.

Notary Public in and for the State of Colorado: Patsy A. Barreau



My Commission Expires 11/14/2000

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OIL & GAS DIVISION

Attachment E Balcron Federal #44-4Y

Spud Date: 9-30-94
Put on Production: 12-13-94
GL: 5201.5' KB: ?

Initial Production: 20 BOPD, 0
MCFPD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 6 jts. (260.15')
DEPTH LANDED: 267'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx Class "G", est ? Bbls cmt to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts.
DEPTH LANDED: 5849'
HOLE SIZE: 7-7/8"
CEMENT DATA: 261 sx Super G & 316 sx 50/50 Poz
CEMENT TOP AT: *1750 CBL*

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
NO. OF JOINTS: 136 jts
TUBING ANCHOR: 4201'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5648'
SN LANDED AT: 5611'

SUCKER RODS

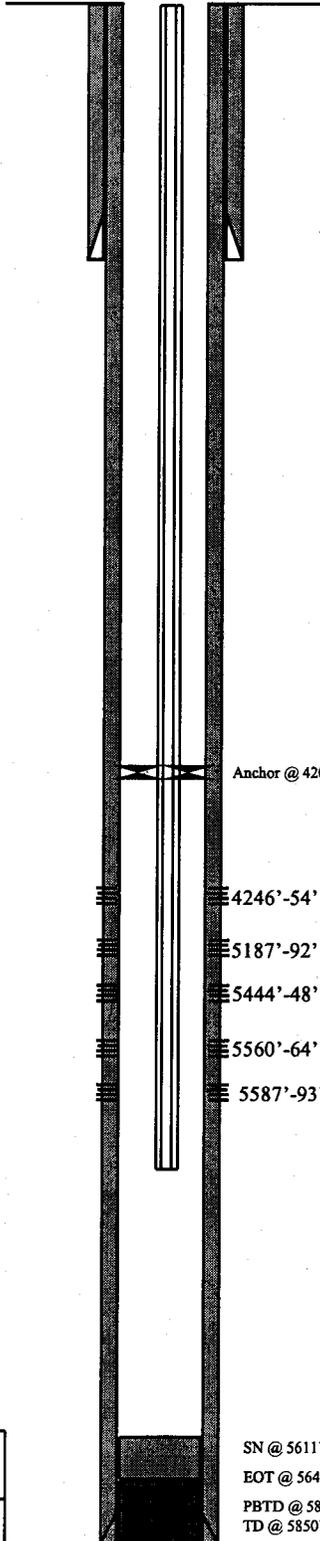
POLISHED ROD: 1-1/4" x 22'
SUCKER RODS: 222-3/4" plain
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6 SPM
LOGS:

FRAC JOB

11-23-94 5444'-5593' Frac sand as follows:
30,576 gals 2% KCL gelled water,
51,680# 20/40, and 40,540# 16/30 sand.
Treated w/avg press of 1900 psi w/avg
rate of 30.4 BPM. ISIP-1580 psi, 5 min
1410 psi.

11-29-94 5187'-5194' Frac sand as follows:
11,382 gals 2% KCL gelled water and
21,340# 20/40 sand. Treated w/avg press
of 3800 psi w/avg rate of 26 BPM.
ISIP-not reported, 5 min 3050 psi.
Screened out.

12-1-94 4246'-4254' Frac sand as follows:
15,456 gals 2% KCL gelled water and
45,700# 16/30 sand. Treated w/avg press
of 2400 psi w. avg rate of 31.5 BPM.
ISIP-1880 psi, 5 min 1580 psi.



PERFORATION RECORD

Date	Interval	Number of Holes	Notes
11-22-94	5444'-5448'	4	JSPF 16 holes
11-22-94	5560'-5564'	4	JSPF 16 holes
11-22-94	5587'-5593'	4	JSPF 24 holes
11-28-94	5187'-5192'	4	JSPF 20 holes
11-30-94	4246'-4254'	4	JSPF 32 holes

SN @ 5611'
EOT @ 5648'
PBTD @ 5808'
TD @ 5850'

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OIL, GAS AND MINING

Inland Resources Inc.

Balcron Federal #44-4Y

660 FSL 660 FEL

SESE Section 4-T9S-R17E

Duchesne Co, Utah

API #43-013-31452; Lease #U-65967

Attachment E-1

Monument Butte Federal #1-3

Spud Date: 3/10/82
 Put on Production: 4/22/82
 GL: 5156' KB: 5171'

Initial Production: 90 BOPD, ?
 MCFPD, 15 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 LENGTH:
 DEPTH LANDED: 312'
 HOLE SIZE:
 CEMENT DATA: 225 sxs cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE:
 WEIGHT:
 LENGTH:
 DEPTH LANDED: 6212'
 HOLE SIZE:
 CEMENT DATA: 955 sks
 CEMENT TOP AT:

TUBING

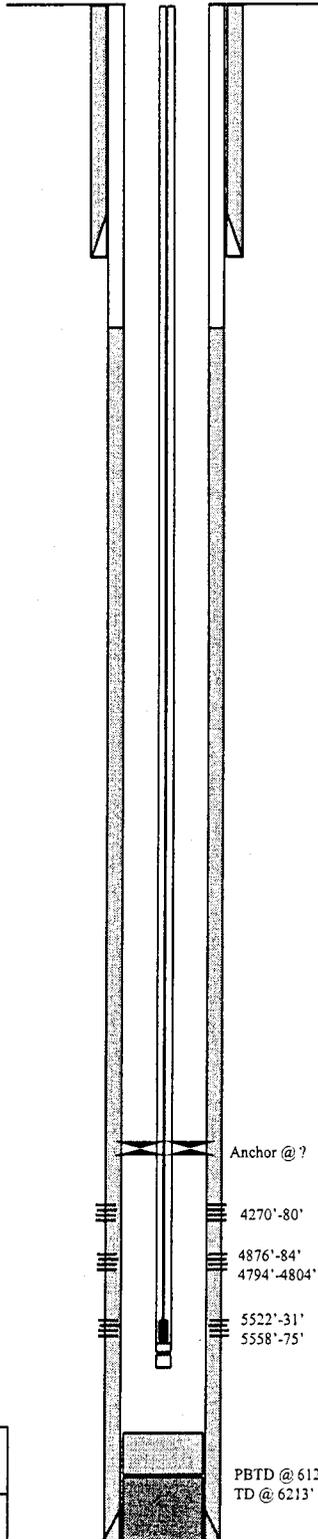
SIZE/GRADE/WT.: 2-7/8"
 NO. OF JOINTS: ? 4995'
 TUBING ANCHOR:
 SEATING NIPPLE:
 TOTAL STRING LENGTH:
 SN LANDED AT:

SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 TOTAL ROD STRING LENGTH:
 PUMP NUMBER:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: DIGL/SP/GR/CAL
 SDL/DSN/GR

FRAC JOB

SWFR (5558'-5575') 18 holes - acid w/3500 gal WFC-1 acid
 SWFR (5522'-5531') 10 holes - frac w/9000 gal Diesel pad
 36,000# 20/40 sand 12,000# 10/20 sand
 SWFR (4794'-4884') 1 SPF - frac w.27,000 gal frac fluid
 36,000# 20/40 sand 12,000# 10/20 sand.
 SWFR (4270'-4280') 1 SPF - bk down w/1100 gal diesel- frac
 w/10,102 gal diesel 16,000# 20/40 sand
 6400# 10/20 sand



PERFORATION RECORD

Anchor @ ?
 4270'-80'
 4876'-84'
 4794'-4804'
 5522'-31'
 5558'-75'

PBTD @ 6122'
 TD @ 6213'

[Faint, illegible text, possibly a stamp or signature]



Inland Resources Inc.
Monument Butte Federal #1-3
 1954 FSL 816 FWL
 NWSW Section 3-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30642

Attachment E-2

Balcron Federal #14-3

Elev.GR -5170' GL
Elev.KB -5179' KB

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 248.05' (6jts)
DEPTH LANDED: 258.05' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ Services: 160 sxs "G"
w/ 2% CaCL₂, 1/4#/sk
Cello Flake.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5713'
DEPTH LANDED: 5723.00' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 250 sxs "Super G"
w/3#/sk POZ, 34#/sk BA-91,
3% Salt, 2% Gel, 3#/sk H-Seal
1/4#/sk Cello-Seal-2
1390' KB

CEMENT TOP AT: 1390' KB

1423 CBL

TUBING

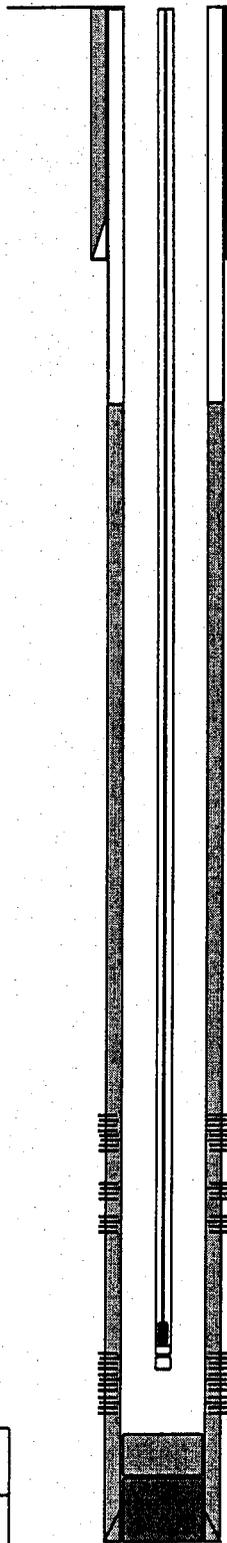
SIZE/GRADE/WT.: 2-7/8" EUE/ J-55 / 6.5#
NO. OF JOINTS: 154 jts (4772.79')
TUBING ANCHOR: 2-1/2"x5-1/2" Trico(2.35')
NO. OF JOINTS: 14 jts (434.81')
SEATING NIPPLE: 2-7/8" (1.10')
PERFORATED SUB: 2-7/8"x4' (4.20')
MUD ANCHOR: 2-7/8"x31.11'
STRING LENGTH: 5246.76'
SN LANDED AT: 5220.05' KB

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 1- 3/4"x4' Pony
 1- 3/4"x8' Pony
 207- 3/4"x25' Plain D-61
STRING LENGTH: 5209'

PUMP NUMBER: Trico #1132
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 86"
PUMP SPEED, SPM: 5
PUMPING UNIT: 228-246-86
PRIME MOVER: Ajax, 7-1/4x8



ACID JOB /BREAKDOWN

11/27/95 5107'-5110' BJ Services: 1848 gal 2%
KCL wtr. w/ 25 ball sealers.
Balled out. ATP=3000 psi,
ATR=6.0 bpm, ISIP=900 psi

11/27/95 5140'-5146' BJ Services:
1848 gal. 2% KCL wtr.
w/ 50 ball sealers. Balled out.
ATP=3000 psi, ATR=6.3 bpm,
ISIP= 1000 psi.

11/27/95 5166'-5170' BJ Services:
5174'-5185' 3024 gal. 2% KCL wtr.
w/ 100 ball sealers, no
ball out. ATP=2500 psi,
ATR= 6.3 bpm, ISIP=1150 psi.

11/30/95 4999'-5001' BJ Services:
5004'-5013' 2898 gal 2% KCL wtr.
w/ 88 ball sealers, No
ballout. ATP=2800 psi,
ATR=5.9 bpm, ISIP=1800 psi.

11/30/95 4961'-4968' BJ Services:
2016 gal 2% KCL wtr.
w/ 56 ball sealers, balled out.
ATP=2900 psi, ATR=
5.3 bpm, ISIP=1800 psi.

12/4/95 4817' 4820' BJ Services:
4833'-485' 3360 gal 2% KCL wtr.
w/ 160 ball sealers, no
ball out. ATP=1900 psi
ATR=4.9 bpm, ISIP=1300 psi.

FRAC JOB

11/28/95 5107'-5110' BJ Services: 28,140 gal 2%
5140'-5146' KCL w/ 48,900 # 20/40 sand,
5166'-5170' 63,580 # 16/30 sand. ATP=
5174'-5185' 2100 psi, ATR= 30.1 bpm, ISIP=
2100 psi, 5 min.=1860 psi,
10 min.= 1760 psi, 15 min.=
1700 psi.

4817'-4820'
4833'-4850'
4961'-4968'
11/30/95 4961'-4968' BJ Services:
4999'-5001' 23,184 gal 2% KCL wtr,
5004'-5013'w/ 32,760 # 20/40 sand,
52,700 # 16/30 sand.
ATP=2450 psi, ATR=
5107'-5110' 31.7 bpm, ISIP= 2900 psi,
5 min.=1980 psi, 10 min.=
5140'-5146' 1660 psi, 15 min.= 1590 psi,
30 min.=1470 psi.
5166'-5170'
12/4/95 4817' 4820' BJ Services: 18,018 gal 2%
5174'-5185' 4833'-4850'KCL wtr w/ 54,040 #16/30
sand. ATP= 3000 psi,
ATR=33.5 bpm, ISIP=
SN LANDED @ 5220.05' KB
EOT LANDED @ 5255.76' KB
4600 psi, 5 min.= 2080 psi,
10 min.= 1460 psi, 15 min.=
1290 psi, 30 min.= 1330
psi.

PBD @ 5679.55' KB
TD @ 5750' KB



Inland Resources Inc.

BALCRON FEDERAL 14-3-9-17Y

Monument Butte
U-64381
SW SW Section 3, T9S, T17E
671' FSL, 792' FWL
Duchesne County, Utah

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Attachment E-3

Balcron Federal #24-3Y

Elev. - 5042' GL
KB - 5052' KB (10')

Wellbore Diagram

SURFACE CASING

SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 249.7' (6 jts)
DEPTH LANDED: 258.7' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs premium plus +
2% CCI+1/4 #/sk flocele

PRODUCTION CASING

SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5888.07' (135 jts)
DEPTH LANDED: 5883' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 150 sxs Hifill standard & tail w/
470 sxs 50-50 Poz

CEMENT TOP AT: 1852' KB

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
NO. OF JOINTS: none
TUBING ANCHOR: none
NO. OF JOINTS: 178 jts (5533.76')
SEATING NIPPLE: 1.1' @ 5543.76' KB
PERF. SUB: 3.05'
MUD ANCHOR: 1 jt - 31.06' w/ NC
STRING LENGTH: 5568.97'
SN at: 5543.76' KB

SUCKER ROD RECORD

POLISHED ROD: 1-1/4" x 16'
SUCKER RODS: 214 - 3/4" x 25' slick, 1 - 8', 1 - 2-3/4" pony
6 - 1" x 25' EL Rods w/ guides

STRING LENGTH: 5526'

PUMP SIZE: BHP 2-1/2 x 1-1/2 x 15.5' RHAC 66" SL @ 5 SPM

ACID JOB / BREAKDOWN JOB

8/1/93 Western 5468'-5512' : 1890 gal 2% KCl wr
w/ 60 balls. balled off,
ATR-4.8bpm, ATP-3100, ISIP-1000

8/4/93 Western 4767'-5097' : 2520 gal 2% KCl wr,
w/ 60 balls. Balled off.
ATR-4.5bpm, ATP-2300, ISIP-1300

FRAC JOB

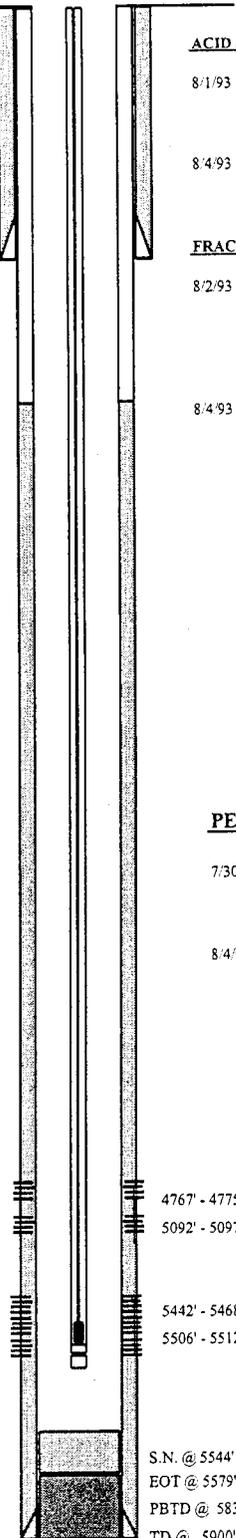
8/2/93 Western 5468'-512' : 4620gal 2% KCl pad, 18,816 gal
2% KCl w/ 29,000# 20/40 & 15,500# 16/30
sand, flush w/ 5250 gal 2% KCl wr. ISIP-1370
ATP-2022, ATR-32.2bpm, 5min-1210,
10min-1130, 15min-1090.

8/4/93 Western 4767'-5097' : 3486gal 2% KCl pad, 19,000#
16/30 sand w/ 11,970gal 2% KCl wr. Flush w/
4746gal 2% KCl. ATR-15.5bpm, ATP-2800,
ISIP-2000, 15mi u-1770

PERFORATION RECORD

7/30/93 Haliburton 5506' - 5512' 6 ft 4 holes
5442' - 5468' 26 ft 14 holes

8/4/93 Schlumberger 5092' - 5097' 5 ft 4 holes
4767' - 4775' 8 ft 6 holes



S.N. @ 5544' KB
EOT @ 5579' KB
PBTD @ 5837' KB
TD @ 5900' KB



Inland Resources Inc.

BALCRON FEDERAL #24-3Y

SE SW Sec.3 T9S R17E

Lease #U-64381

Monument Butte Field

Duchesne County, Utah

[Faint stamp or signature area]

Attachment E-4

Castle Draw #8-4-9-17

Spud Date: 9/8/98
 Put on Production: 10/10/98
 GL: 5126' KB: 5136'

Initial Production: --BOPD; --
 MCFD; -- BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (290')
 DEPTH LANDED: 300' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Premium cmt, est 7 bbbs to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5785')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 240 sxs modified mixed & 275 sxs class G
 CEMENT TOP AT: ?
 SET AT: 5794'

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 176 jts
 TUBING ANCHOR: 5499'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: 5655'
 SN LANDED AT: 5560'

SUCKER RODS

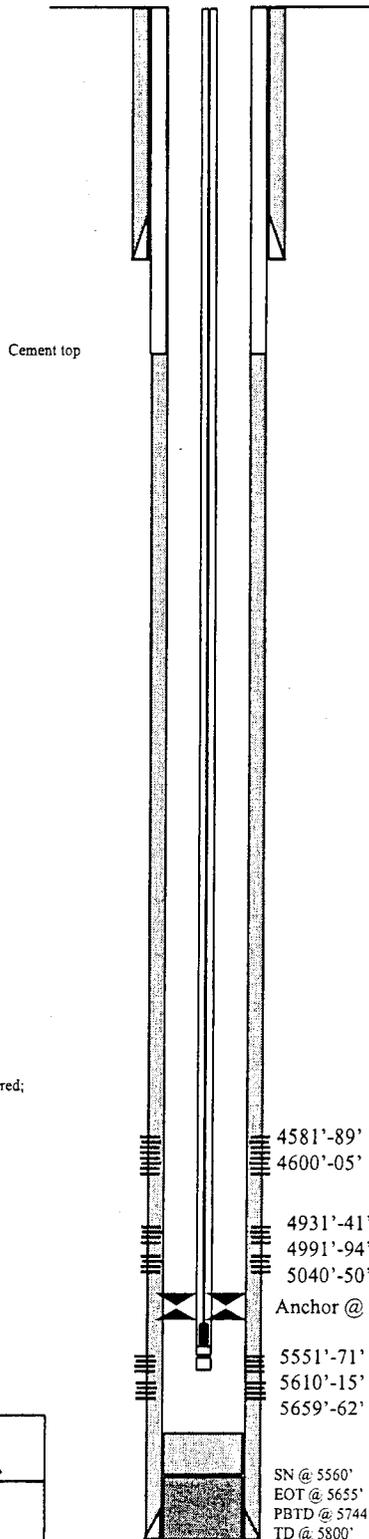
POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4-3/4" scapered; 118-3/4" plain; 96-3/4" scapered;
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC Pump
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 8 SPM
 LOGS: DIGL/SP/GR-CAL
 SDL/DSN/GR

FRAC JOB

10/1/98 5551'-5662' **Frac CP sands as follows:**
 RU BJ Services & frac CP sds w/103,769#
 20/40 sd in 539 bbbs Viking I-25 fluid.
 Perfs broke dn @ 3960 psi. Treated @ ave
 press of 1650 psi w/ave rate of 29.9 BPM.
 ISIP: 1800 psi, 5 min: 1657 psi.
 Flowback on 12/64 choke for 3-1.2 hrs &
 died.

10/2/98 4931'-5050' **Frac B sands as follows:**
 RU BJ Services & frac B sds w/120,503#
 20/40 sd in 586 bbbs Viking I-25 fluid.
 Perfs broke back @ 2500 psi @ 16 BPM.
 Treated @ ave press of 1700 psi w/ave rate
 of 29.7 BPM. ISIP: 2400 psi, 5 min: 1920
 psi. Flowback on 12/64 choke for 4 hrs &
 died.

10/6/98 4581'-4605' **Frac YDC sands as follows:**
 RU BJ Services & frac YDC sds w/96,155#
 20/40 sd in 494 bbbs Viking I-25 fluid.
 Perfs broke dn @ 1992 psi. Treated @ ave
 press of 2600 psi w/ave rate of 29.7 BPM.
 ISIP: 3000 psi, 5 min: 2866 psi.
 Flowback on 12/64 choke for 2-1.2 hrs &
 died.



PERFORATION RECORD

Date	Interval	Perforations	Holes
9/30/98	5551' - 5571'	4 JSPF	80 holes
9/30/98	5610' - 5615'	4 JSPF	20 holes
9/30/98	5659' - 5662'	4 JSPF	12 holes
10/2/98	4931' - 4941'	4 JSPF	40 holes
10/2/98	4991' - 4994'	4 JSPF	12 holes
10/2/98	5040' - 5050'	4 JSPF	40 holes
10/5/98	4581' - 4589'	4 JSPF	32 holes
10/5/98	4600' - 4605'	4 JSPF	20 holes

SN @ 5560'
 EOT @ 5655'
 PBTD @ 5744'
 TD @ 5800'

OIL COMPANY

Inland Resources Inc.

Castle Draw #8-4-9-17

2111 FNL 610 FEL

SENE Section 4-T9S-R17E

Duchesne Co, Utah

API #43-013-32077; Lease #

Attachment E-5

Castle Draw #9-4-9-17

Spud Date: 7/20/98
 Put on Production: 8/19/98
 GL: 5170' KB: 5180'

Initial Production: 52 BOPD;
 54 MCFD; 7 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (315')
 DEPTH LANDED: 325' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 155 sxs Premium cmt, est 6 bbis to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts (5865')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 240 sxs modified mixed & 300 sxs class G
 CEMENT TOP AT: ?
 SET AT: 5874'

Most 2 80% to 4150'

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 181 jts
 TUBING ANCHOR: ?
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: 5693'
 SN LANDED AT: ?

SUCKER RODS

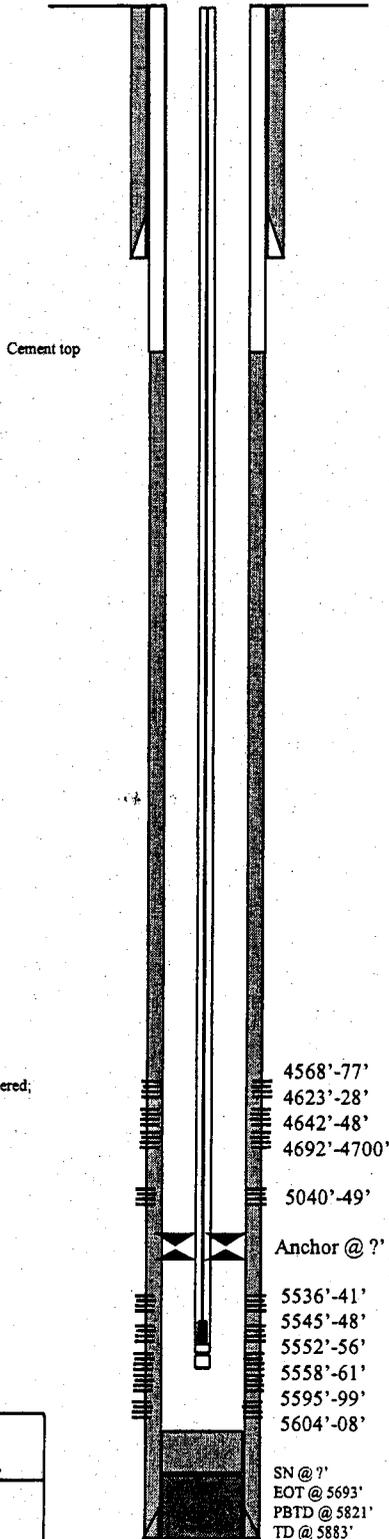
POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4-3/4" scapered; 1208-3/4" plain; 96-3/4" scapered;
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC Pump
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 5-1/2 SPM
 LOGS: DIGL/SP/GR/CAL
 SDL/DSN/GR

FRAC JOB

8/11/98 5536'-5608' **Frac CP sands as follows:**
 RU BJ Services & frac CP sds w/103,400# 20/40 sd in 523 bbis Viking I-25 fluid. Perfs broke dn @ 2420 psi. Treated @ ave press of 1400 psi w/ave rate of 27.9 BPM. ISIP: 1750 psi, 5 min: 1650 psi. Flowback on 12/64 choke for 2-1/2 hrs & died.

8/13/98 5040'-5049' **Frac B sands as follows:**
 RU BJ Services & frac B sds w/96,000# 20/40 sd in 477 bbis Viking I-25 fluid. Perfs broke @ 3800 psi. Treated @ ave press of 2035 psi @ ave rate of 26.3 BPM. With 7-1/2# sd on perfs, pressure began increasing rapidly. Screened out w/9.6# sd @ perfs w/37 bbis left to flush. ISIP: 3740 psi, 5 min: 1950 psi. Flowback on 12/64 choke for 4 hrs & died.

8/15/98 4568'-4700' **Frac YDC sands as follows:**
 RU BJ Services & frac D/YDC sds w/126,000# of 20/40 sd in 590 bbis of Viking I-25 fluid. Perfs broke @ 1940 psi, treated @ average pressure of 2,000 psi, @ average rate of 30.4 BPM. ISIP -2250 psi, 5 min SI -2240 psi. Flowed back on 12/64 choke for 5 hrs & died.



PERFORATION RECORD

Date	Depth Range	Perforations
8/10/98	5536'-5541'	4 JSPF 7 holes
8/10/98	5545'-5548'	4 JSPF 7 holes
8/10/98	5552'-5556'	4 JSPF 7 holes
8/10/98	5558'-5561'	4 JSPF 7 holes
8/10/98	5595'-5599'	4 JSPF 7 holes
8/10/98	5604'-5608'	4 JSPF 7 holes
8/12/98	5040'-5049'	4 JSPF 7 holes
8/14/98	4568'-4577'	4 JSPF 7 holes
8/14/98	4623'-4628'	4 JSPF 7 holes
8/14/98	4642'-4648'	4 JSPF 7 holes
8/14/98	4692'-4700'	4 JSPF 7 holes

SN @ ?'
 EOT @ 5693'
 PBTD @ 5821'
 TD @ 5883'

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DIVISION OF
 OIL, GAS AND MINING

Inland Resources Inc.

Castle Draw #9-4-9-17

1980 FSL 660 FEL

NESE Section 4-T9S-R17E

Duchesne Co, Utah

API #43-013-32079; Lease #

Attachment E-6

Castle Draw #15-4-9-17

Spud Date: 8/23/98
 Put on Production: 9/29/98
 GL: 5206' KB: 5216'

Initial Production: 35 BOPD;
 63 MCFD, 1 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (324')
 DEPTH LANDED: 333' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Premium cmt, est 8 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5767')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 230 sxs modified mixed & 265 sxs class G
 CEMENT TOP AT: ? *2910*
 SET AT: 5776'

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 180 jts
 TUBING ANCHOR: 5515'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: 5673'
 SN LANDED AT: 5640'

SUCKER RODS

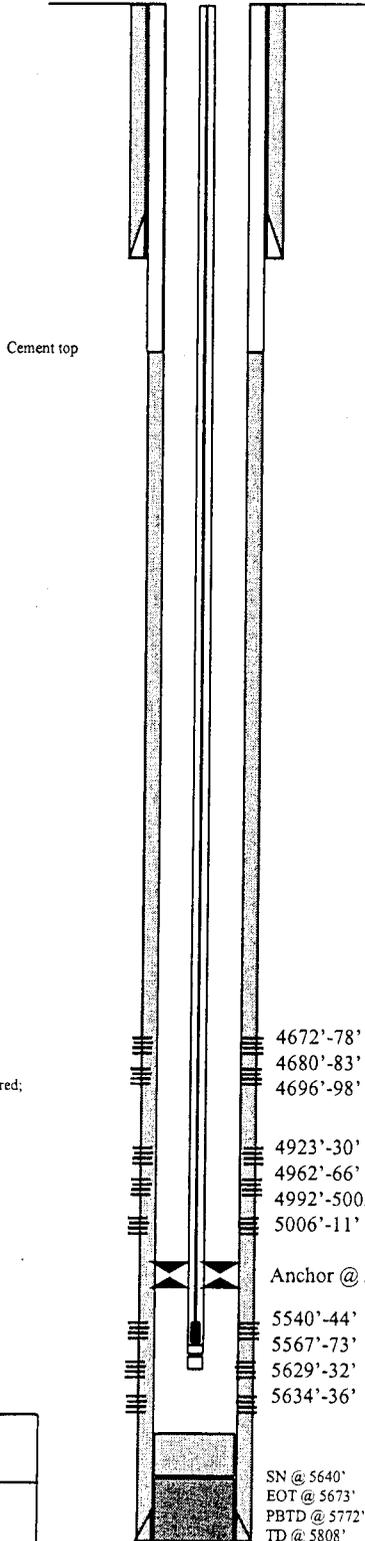
POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4-3/4" scapered; 121-3/4" plain; 96-3/4" scapered;
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC Pump
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 8 SPM
 LOGS: DIGL SP/GR/CAL
 SDL DSN/GR

FRAC JOB

9/18/98 5540'-5636' **Frac CP sands as follows:**
 RU BJ Services & frac CP sds w/112,971#
 20'40 sd in 563 bbls Viking I-25 fluid.
 Perfs broke dn @ 3683 psi, press increased
 to 4000 psi w/reduced rate, then decreased
 to 1500 psi when sd hit perfs. Treated @
 ave press of 1400 psi w/ave rate of 29
 BPM. ISIP: 1980 psi, 5 min: 1655 psi.
 Flowback on 12/64 choke for 3-1/2 hrs &
 died.

9/21/98 4923'-5011' **Frac B sands as follows:**
 RU BJ Services & frac B sds w/121,040#
 20'40 sd in 578 bbls Viking I-25 fluid.
 Perfs broke dn @ 3181 psi. Treated @ ave
 press of 1450 psi w/ave rate of 30 BPM.
 ISIP: 1880 psi, 5 min: 1708 psi.
 Flowback on 12/64 choke for 3 hrs & died.

9/23/98 4672'-4698' **Frac D sands as follows:**
 RU BJ Services & frac D sds w/60,850#
 20'40 sd in 321 bbls Viking I-25 fluid.
 Perfs broke dn @ 3726 psi. Treated @ ave
 press of 1700 psi w/ave rate of 26 BPM.
 Cut sd @ blender @ .8# as pressure
 increased rapidly. Flushed 1071 gal before
 reaching max press w/7.2# sd on perfs.
 ISIP: 3400 psi, 5 min: 1682 psi.
 Flowback on 12/64 choke for 4 hrs & died.



PERFORATION RECORD

Date	Depth	Perforation Details
9/18/98	5540'-5544'	4 JSPF 16 holes
9/18/98	5567'-5573'	4 JSPF 24 holes
9/18/98	5629'-5632'	4 JSPF 12 holes
9/18/98	5634'-5636'	4 JSPF 8 holes
9/19/98	4923'-4930'	4 JSPF 28 holes
9/19/98	4962'-4966'	4 JSPF 16 holes
9/19/98	4992'-5003'	4 JSPF 44 holes
9/19/98	5006'-5011'	4 JSPF 20 holes
9/22/98	4672'-4678'	4 JSPF 24 holes
9/22/98	4680'-4683'	4 JSPF 12 holes
9/22/98	4696'-4698'	4 JSPF 8 holes

SN @ 5640'
 EOT @ 5673'
 PBTD @ 5772'
 TD @ 5808'

Inland Resources Inc.

Castle Draw #15-4-9-17

667 FSL 2137 FEL

SWSE Section 4-T9S-R17E

Duchesne Co, Utah

API #43-013-32083; Lease #

[Stamp: ...]
 [Stamp: ...]
 [Stamp: ...]
 [Stamp: ...]

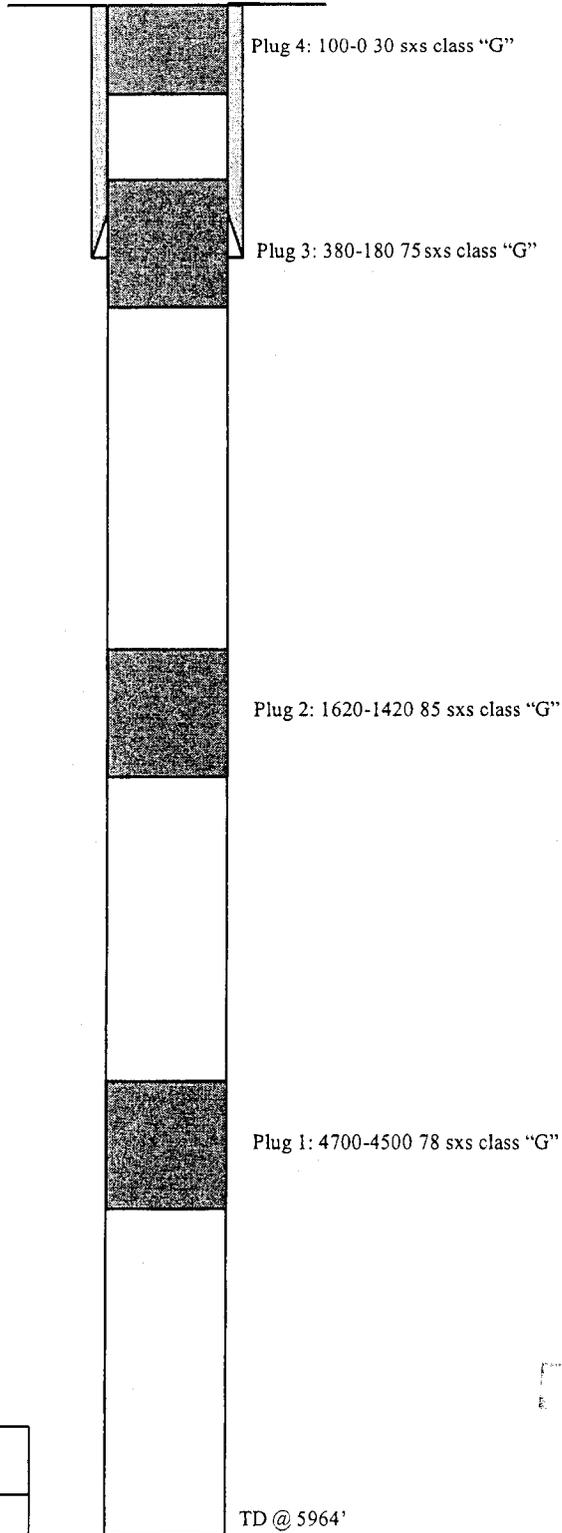
Attachment E-7

Maxus Federal #24-4

P&A Diagram

GR: 5188'
KB: 5202'

Spud Date : 10/16/87



	Inland Resources Inc.
Maxus Federal #24-4	
602 FSL 2065 FWL	
SESW Section 4-T9S-R17E	
Duchesne Co, Utah	
API #43-013-31194; U-7978	

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OIL AND GAS DIVISION
SEP 22 1987

Attachment E-8

Castle Draw #1-9-9-17

Spud Date: 8/31/98
 Put on Production: 10/1/98
 GL: 5215' KB: 5225'

Initial Production: 77 BOPD;
 75 MCFD; 1 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (306')
 DEPTH LANDED: 316' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 140 sxs Premium cmt, est 8 bbbs to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 132 jts. (5706')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 250 sxs modified mixed & 260 sxs class G
 CEMENT TOP AT: ? **3704**
 SET AT: 5715'

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 175 jts
 TUBING ANCHOR: 5477'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: 5574'
 SN LANDED AT: 5542'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4-3/4" scapered; 117-3/4" plain; 96-3/4" scapered;
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC Pump
 STROKE LENGTH: 70"
 PUMP SPEED, SPM: 8 SPM
 LOGS: DIGL/SP/GR/CAL
 SDL/DSN/GR

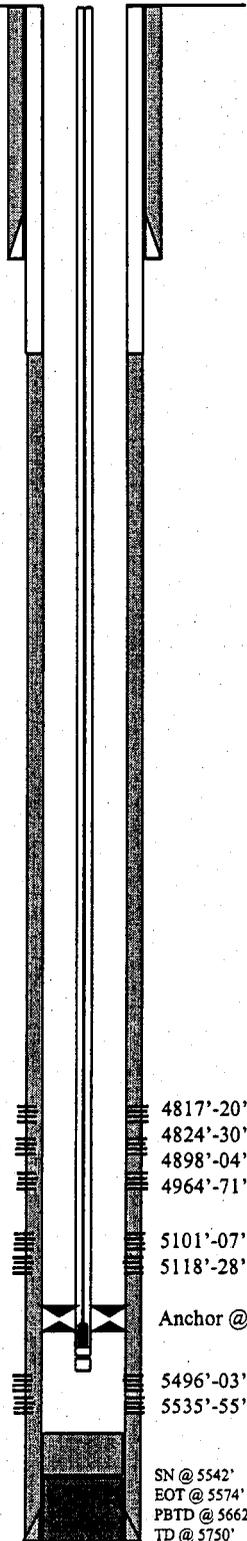
FRAC JOB

9/12/98 5496'-5555' **Frac CP sands as follows:**
 RU BJ Services & frac CP sds w/112,180#
 20/40 sd in 563 bbbs Viking I-25 fluid.
 Perfs broke dn @ 3027 psi. Treated @ ave
 press of 1000 psi w/ave rate of 27.6 BPM.
 ISIP: 1700 psi, 5 min: 1597 psi.
 Flowback on 12/64 choke for 2-1/2 hrs &
 died.

9/22/98 5101'-5128' **Frac A sands as follows:**
 RU BJ Services & frac A sds w/112,060#
 20/40 sd in 480 bbbs Viking I-25 fluid.
 Perfs broke dn @ 3450 psi. Treated @ ave
 press of 1700 psi w/ave rate of 26 BPM,
 before screening out w/9# sd on perfs w/73
 bbbs left to flush. Est 91,714# sd in
 formation, 20,346# sd left in csg. ISIP:
 3100 psi, 5 min: 1330 psi. Flowback on
 12/64 choke for 2-1/2 hrs & died.

9/28/98 4817'-4971' **Frac B/C sands as follows:**
 RU BJ Services & frac B/C sds w/128,480#
 20/40 sd in 599 bbbs Viking I-25 fluid.
 Perfs broke back @ 2977 psi @ 16 BPM.
 Treated @ ave press of 1400 psi w/ave rate
 of 36 BPM. ISIP: 1700 psi, 5 min: 1518
 psi. Flowback on 12/64 choke for 3 hrs &
 died.

Cement top



PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
9/21/98	5496'-5503'	4 JSPF	28 holes
9/21/98	5535'-5555'	4 JSPF	80 holes
9/22/98	5101'-5107'	4 JSPF	24 holes
9/22/98	5118'-5128'	4 JSPF	40 holes
9/25/98	4817'-4820'	4 JSPF	12 holes
9/25/98	4824'-4830'	4 JSPF	24 holes
9/25/98	4898'-4904'	4 JSPF	24 holes
9/25/98	4964'-4971'	4 JSPF	28 holes

4817'-20'
 4824'-30'
 4898'-04'
 4964'-71'
 5101'-07'
 5118'-28'
 Anchor @ 5477'
 5496'-03'
 5535'-55'

SN @ 5542'
 EOT @ 5574'
 PBTD @ 5662'
 TD @ 5750'

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DIVISION OF
 OIL, GAS AND MINING

Inland Resources Inc.

Castle Draw #1-9-9-17

660 FEL 660 FNL

NENE Section 9-T9S-R17E

Duchesne Co, Utah

API #43-013-32071; Lease #

Attachment E-9

Castle Draw #8-9-9-17

Spud Date: 7/30/98
 Put on Production: 9/3/98
 GL: 5192' KB: 5202'

Initial Production: 114 BOPD;
 69 MCFD; 11 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (316')
 DEPTH LANDED: 326' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Premium cmt, est 8 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5603')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 250 sxs modified mixed & 260 sxs class G
 CEMENT TOP AT: ?
 SET AT: 5612'

Most 280% TO 3120

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 174 jts
 TUBING ANCHOR: 5372'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: 5470'
 SN LANDED AT: 5438'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4-3/4" scapered; 1 1/3-3/4" plain; 96-3/4" scapered;
 PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC Pump
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 6 SPM
 LOGS: DIGL/SP/GR/CAL
 SDL/DSN/GR

FRAC JOB

<p>8/24/98 5408'-5419'</p> <p>8/26/98 5059'-5082'</p> <p>8/28/98 4741'-4899'</p> <p>8/31/98 4113'-4126'</p>	<p>Frac CP sands as follows: RU BJ Services & frac CP sds w/98,100# 20/40 sd in 509 bbls Viking I-25 fluid. Perfs broke dn @ 1933 psi. Treated @ ave press of 1540 psi w/ave rate of 29.8 BPM. ISIP: 1500 psi, 5 min: 1344 psi. Flowback on 12/64 choke for 2-1/2 hrs & died.</p> <p>Frac A sands as follows: RU BJ Services & frac A sds w/95,716# 20/40 sd in 506 bbls Viking I-25 fluid. Perfs broke dn @ 3042 psi. Treated @ ave press of 1850 psi w/ave rate of 27.7 BPM. ISIP: 2200 psi, 5 min: 2100 psi. Flowback on 12/64 choke for 4 hrs & died.</p> <p>Frac B/C sands as follows: RU BJ Services & frac C/B sds w/109,231# 20/40 sd in 552 bbls Viking I-25 fluid. Perfs broke back @ 2200 psi @ 15 BPM. Treated @ ave press of 1800 psi w/ave rate of 32.6 BPM. ISIP: 2300 psi, 5 min: 1593 psi. Flowback on 12/64 choke for 3 hrs & died.</p> <p>Frac GB sands as follows: RU BJ Services & frac GB sds w/97,592# 20/40 sd in 480 bbls Viking I-25 fluid. Perfs broke dn @ 3500 psi. Treated @ ave press of 1860 psi w/ave rate of 24 BPM. ISIP: 2050 psi, 5 min: 1839 psi. Flowback on 12/64 choke for 2-1/2 hrs & died.</p>
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Cement top



PERFORATION RECORD

Date	Depth Range	Number of Holes	Hole Type
8/21/98	5408' - 5419'	4	JSPF 44 holes
8/25/98	5059' - 5064'	4	JSPF 20 holes
8/25/98	5077' - 5082'	4	JSPF 20 holes
8/27/98	4741' - 4752'	4	JSPF 44 holes
8/27/98	4826' - 4832'	4	JSPF 24 holes
8/27/98	4892' - 4899'	4	JSPF 28 holes
8/29/98	4113' - 4126'	4	JSPF 52 holes

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DIVISION OF
 OIL, GAS AND MINING

Inland Resources Inc.

Castle Draw #8-9-9-17

1980 FNL 660 FEL

SENE Section 9-T9S-R17E

Duchesne Co, Utah

API #43-013-32078; Lease #

Attachment E-10

Federal #31-9H

Spud Date: 1/6/97
 Put on Production: 3/11/97
 GL: 5241' KB: 5257'

Initial Production: 85 BOPD; ?
 MCFD; ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts.
 DEPTH LANDED: 283' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 290 sxs Premium cmt, est 8 bbls to surf.

PRODUCTION CASING

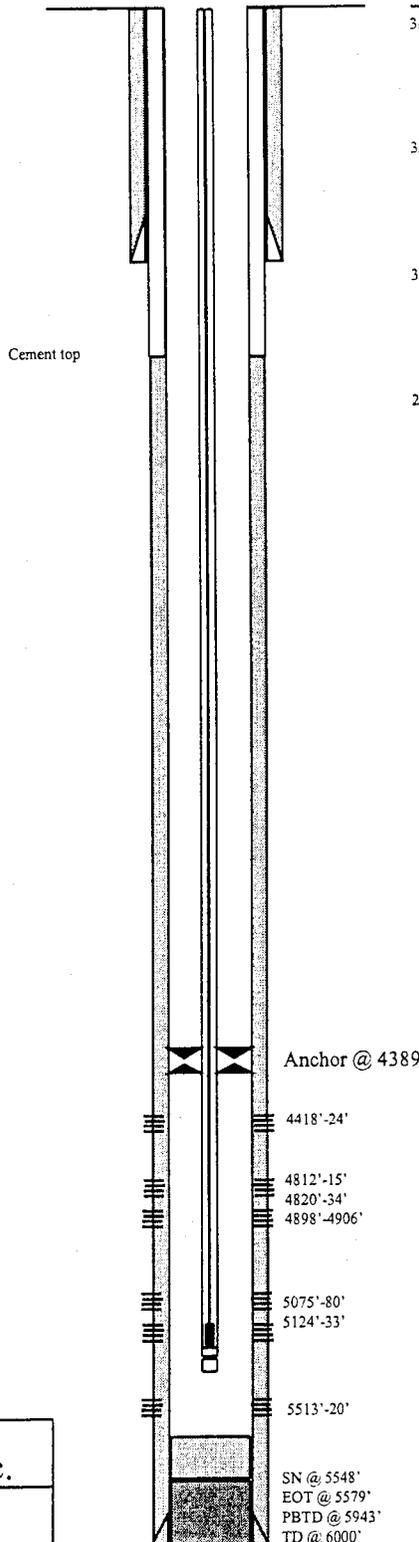
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 143 jts.
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 320 sxs modified mixed & 340 sxs class G
 CEMENT TOP AT: ? 5120'
 SET AT: 6000'

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 174 jts
 TUBING ANCHOR: 4389'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: 5579'
 SN LANDED AT: 5548'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: ?
 PUMP SIZE: ?
 STROKE LENGTH: ?
 PUMP SPEED, SPM: ?
 LOGS: DIGL/SP/GR/CAL
 SDL/DSN/GR



FRAC JOB

3/7/97	4418'-4424'	46200# 20/40 sd in 288 bbls Boragel fluid. Perfs broke dn @ 1475 psi. Treated @ ave press of 2000 psi w/ave rate of 18 BPM. ISIP: 2076 psi, 5 min: 1901 psi. Flowback on 12/64 choke for ? hrs & died.
3/4/97	4812'-4834'	123000# 20/40 sd in 614 bbls Boragel fluid. Perfs broke dn @ 2770 psi. Treated @ ave press of 2050 psi w/ave rate of 25 BPM. ISIP: 1905 psi, 5 min: 1797 psi. Flowback on 12/64 choke for ? hrs & died.
3/1/97	5075'-5133'	84000# 20/40 sd in 491 bbls Boragel fluid. Perfs broke dn @ 2790 psi. Treated @ ave press of 1900 psi w/ave rate of 25.5 BPM. ISIP: 2613 psi, 5 min: 2430 psi. Flowback on 12/64 choke for ? hrs & died.
2/27/97	5513'-5520'	41800# 20/40 sd in 325 bbls Boragel fluid. Perfs broke dn @ 3300 psi. Treated @ ave press of 1620 psi w/ave rate of 18.2 BPM. ISIP: 1721 psi, 5 min: 1550 psi. Flowback on 12/64 choke for ? hrs & died.

RECORDED
 INDEXED
 DIVISION OF
 OIL, GAS AND MINING

PERFORATION RECORD



Inland Resources Inc.
Federal #31-9H
 768 FNL 1873 FEL
 NWNE Section 9-T9S-R17E
 Duchesne Co, Utah
 API #43-013-31107; Lease #U-75078

UNICHEM

A Division of BJ Services

Attachment F

P.O. Box 217
Roosevelt, Utah 84066

Office (435) 722-5066
Fax (435) 722-5727

WATER ANALYSIS REPORT

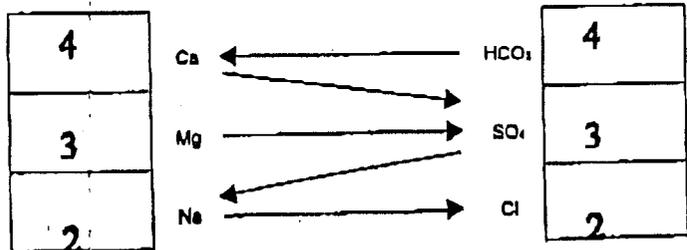
Company INLAND PRODUCTION Address _____ Date 1-27-00

Source JOHNSON Date Sampled 1-26-00 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.4</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>600</u>	
5. Alkalinity (CaCO ₃)		<u>0</u>	<u>0</u>
6. Bicarbonate (HCO ₃)		<u>240</u>	<u>4</u>
7. Hydroxyl (OH)		<u>0</u>	<u>0</u>
8. Chlorides (Cl)		<u>71</u>	<u>2</u>
9. Sulfates (SO ₄)		<u>130</u>	<u>3</u>
10. Calcium (Ca)		<u>72</u>	<u>4</u>
11. Magnesium (Mg)		<u>41</u>	<u>3</u>
12. Total Hardness (CaCO ₃)		<u>350</u>	
13. Total Iron (Fe)		<u>0.6</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

CaCO₃
CaSO₄ · 2H₂O
MgCO₃

Distilled Water 20°C

13 Mg/l
2,090 Mg/l
103 Mg/l

Compound	Eq. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>4</u>			<u>324</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19	<u>3</u>			<u>181</u>
MgCl ₂	47.62				
NaHCO ₃	84.00				
Na ₂ SO ₄	71.03				
NaCl	58.46	<u>2</u>			<u>117</u>

REMARKS _____

Received Time Jan. 27. 5:28PM

435 722 5727

UNICHEM

A Division of BJ Services

Attachment F-1

P.O. Box 217
Roosevelt, Utah 84066

Office (435) 722-5066
Fax (435) 722-5727

WATER ANALYSIS REPORT

Company INLAND PRODUCTION

Address _____

Date 8-25-99

Source MBIF

Date Sampled 8-25-99

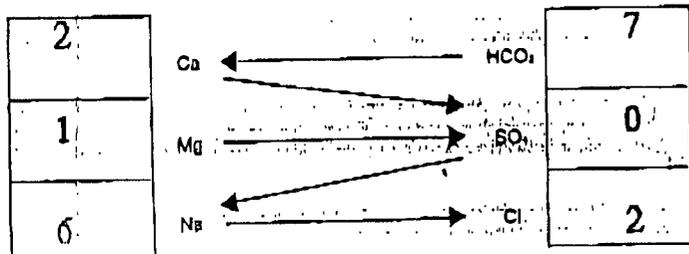
Analysis No. _____

	Analysis	mg/l(ppm)	*Meq/l
1. PH	8.0		
2. H ₂ S (Qualitative)	0		
3. Specific Gravity	1.001		
4. Dissolved Solids		688	
5. Alkalinity (CaCO ₃)		CO ₃ 0	+ 30 0 CO ₃
6. Bicarbonate (HCO ₃)		HCO ₃ 430	+ 61 7 HCO ₃
7. Hydroxyl (OH)		OH 0	+ 17 0 OH
8. Chlorides (Cl)		Cl 71	+ 35.5 2 Cl
9. Sulfates (SO ₄)		SO ₄ 0	+ 48 0 SO ₄
10. Calcium (Ca)		Ca 40	+ 20 2 Ca
11. Magnesium (Mg)		Mg 12	+ 12.2 1 Mg
12. Total Hardness (CaCO ₃)		150	
13. Total Iron (Fe)		13	
14. Manganese		0	
15. Phosphate Residuals			

UNION OF
OIL & GAS AND MINING

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equly. Wt.	X	Meq/l	=	Ma/l
Ca(HCO ₃) ₂	81.04	2			162
CaSO ₄	68.07				
CaCl ₂	55.50	1			73
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.18				
MgCl ₂	47.62	4			336
NaHCO ₃	84.00				
Na ₂ SO ₄	71.03	2			117
NaCl	58.48				

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,000 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

Received Time Aug. 25. 3:48PM

UNICHEM

A Division of BJ Services

Attachment F-2

P.O. Box 217
Roosevelt, Utah 84066

Office (435) 722-5088
Fax (435) 722-5727

WATER ANALYSIS REPORT

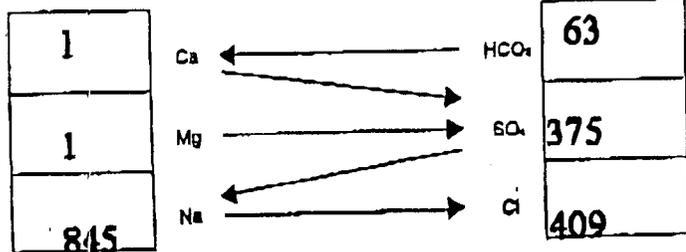
Company INLAND PRODUCTION Address _____ Date 1-27-00

Source 31-9H Date Sampled 1-26-00 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>10.0</u>		
2. H ₂ S (Qualitative)	<u>30.0</u>		
3. Specific Gravity	<u>1.039</u>		
4. Dissolved Solids		<u>54,703</u>	
5. Alkalinity (CaCO ₃)		<u>1,080</u>	+ 30 <u>36</u> CO ₃
6. Bicarbonate (HCO ₃)		<u>1,650</u>	+ 61 <u>27</u> HCO ₃
7. Hydroxyl (OH)		<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		<u>14,500</u>	+ 35.5 <u>409</u> Cl
9. Sulfates (SO ₄)		<u>18,000</u>	+ 48 <u>375</u> SO ₄
10. Calcium (Ca)		<u>24</u>	+ 20 <u>1</u> Ca
11. Magnesium (Mg)		<u>14</u>	+ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO ₃)		<u>120</u>	
13. Total Iron (Fe)		<u>0.7</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equly. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>1</u>			<u>81</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>1</u>			<u>73</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>61</u>			<u>5,124</u>
Na ₂ SO ₄	71.03	<u>375</u>			<u>26,636</u>
NaCl	58.48	<u>409</u>			<u>23,910</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

Received Time Jan. 27. 5:28PM

Attachment F-3

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO 1-27-2000
 LOCATION:
 SYSTEM:

WATER DESCRIPTION:	JOHNSON WATER	31-9H
P-ALK AS PPM CaCO3	0	1804
M-ALK AS PPM CaCO3	394	2706
SULFATE AS PPM SO4	130	18000
CHLORIDE AS PPM Cl	71	14500
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	180	60
MAGNESIUM AS PPM CaCO3	169	58
SODIUM AS PPM Na	46	19435
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	600	54703
TEMP (DEG-F)	100	100
SYSTEM pH	7.4	10

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND 31-9H

CONDITIONS: pH=8.7. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

% WATER 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.63	60	0	0	0
90	1.54	56	0	0	0
80	1.38	51	0	0	0
70	1.29	47	0	0	0
60	1.22	43	0	0	0
50	1.14	38	0	0	0
40	1.09	34	0	0	0
30	1.02	30	0	0	0
20	.96	26	0	0	0
10	.89	21	0	0	0
0	.82	17	0	0	0

RECEIVED
 FEB 11 1990
 DIVISION OF
 OIL GAS AND MINING

Attachment "G"

Balcron Federal #44-4Y
Proposed Maximum Injection Pressure

01/11/2010
 10:11:13
 DIVISION OF
 OIL, GAS AND LEASING

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax	
Top	Bottom					
4246	4254	4250	1880	0.875	1869	
5187	5194	5191	n/a	n/a	n/a	Screen Out
5444	5593	5519	1580	0.719	1547	←
				Minimum	<u>1547</u>	

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$



EQUITABLE RESOURCES
ENERGY COMPANY
BALCON OIL DIVISION
1601 Lower Avenue
P.O. Box 21017
Denver, CO 80221-0117

TREATMENT REPORT

Attachment G-1

We Name Balcon Fed. 44-4 Y Date of Treatment: 11-23-94
 File Monument Butte County Duchesne State Utah SEC. 4 TWN. 9 S RNG. 17 E
 Formation/Perforations: Green River / 5544-48, 5560-64, 5587-93

Treatment type: SAND FRAC Total Number of Holes: 56
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics		
			Size		Volume
Gal.			BPM	PSI	
117 4900	Gal. 2% KCL WATER	PAD O	30.2	2120	
23 900	Gal. "		2 # 30.2	2210	20/40 1800 #
34 1250	Gal. "		3 # 30.7	2250	2940 3750 #
63 2250	Gal. "		4 # 30.6	2060	20/40 9000 #
104 3550	Gal. "		5 # 30.8	1790	20/40 17750 #
77 2550	Gal. "		6 # 30.3	1870	20/40 19380 #
77 2550	Gal. "		6 # 30.5	1900	16/30 15300 #
94 3000	Gal. "		7 # 30.3	1760	16/30 25240 #
132 5544	Gal. " FLUSH	0	30.6 1700	20/40 2070	

TOTAL FLUID PUMPED: _____ gal. _____ %
30576 gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: 51680 lbs. 20/40 sand
40540 lbs. 16/30 sand
 _____ lbs. _____ sand
 _____ lbs. _____ bauxite

Flushed well with 5544 gal. of 2% KCL WATER
 _____ ball sealers were pumped. Was ball action seen? _____
 Barrels of Load to Recover 728 BJR.

Avg. Treating Pressure = 1900 psi, max = 2250 psi, min = 1700 psi.
 Avg. Treating Rate = 30.4 bpm, max = 30.8 bpm, min = 30.2 bpm.
 ISIP = 1580 psi

LOAD TO RECOVER 814 BOW

DAILY COSTS:

Completion Rig	\$ <u>531</u>	Chemicals	\$ _____	Packers	\$ _____
BOP Rental	\$ <u>125</u>	Transportation	\$ _____	Wellhead Equip.	\$ _____
Hot Oil	\$ <u>725</u>	Tank Rental	\$ <u>90</u>	Valves & Fittings	\$ _____
Equipment Rental	\$ <u>90</u>	Tubing	\$ _____	Treater / Separator	\$ _____
Completion Fluid	\$ _____	Rods	\$ _____	Tanks	\$ _____



EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lower Canyon
PO Box 21017
Salt Lake City, UT 84101-0117

Attachment G-2

TREATMENT REPORT

Date of Treatment: 11-29-94

Well Name BALCRON FED. 44-4Y SEC. 4 TWN. 9S RNG. 17E
 File # Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5187-92

Treatment type: SAND ERAC. Total Number of Holes: 20
 Treatment Company: WESTERN

Volume	Fluid	Conc.	Size	Volume
Gal.			BPM	PSI
Gal.				
43 1800 Gal.	2% KCL WATER	PAD 0	25.1	4440
13 500 Gal.	"	2 #	25.6	4480
16 600 Gal.	"	3 #	25.8	4530
20 700 Gal.	"	4 #	27.4	4470
29 1000 Gal.	"	5 #	27.0	4600
33 1100 Gal.	"	6 #	25.9	4100
30 1000 Gal.	"	6 #	25.5	3650
31 1000 Gal.	"	7 #	25.8	3290
78 122 5184 Gal.	" FLUSH	0	26.8	3300
3276			5.0	4600

TOTAL FLUID PUMPED: _____ gal. _____ % Acid fluid
 gal. 2% KCL WATER fluid

TOTAL SAND VOL.: 21340 lbs. 20140 sand
0 lbs. 16130 sand
 lbs. 1 sand
 lbs. 1 bauxite

Finished well with 3276 gal. of 2% KCL WATER
 ball sealers were pumped. Was ball action seen? _____
 Barrels of Load to Recover 271 BUR.

Avg. Treating Pressure = 3800 psi, max = 6600 psi, min = 3200 psi
 Avg. Treating Rate = 26.0 bpm, max = 27.4 bpm, min = 25.5 bpm
 ISH = _____ psi, 5 min. = 3050 psi, 10 min. = 2860 psi, 15 min. = 2860 psi
 Well will be shut in for 0 hrs. before bringing back fluid. 30 min. = _____ psi

REMARKS: FARRED CLOSURE FLOWBACK, 5 BPM, 30 MIN.
6 BBL. TO LOAD HOLE
SCREEN OUT
2100 LB, 16/30, 6 # ON FORMATION, 800 # OF SAND IN CAS.
 Well site Supervisor: [Signature]



EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1501 Lavoy Avenue
P.O. Box 21017
Albuquerque, N.M. 87101-1017

Attachment G-3

TREATMENT REPORT

Date of Treatment: 12-1-94
Well Name: BALCRON FED. 44-4Y SEC. 4 TWN. 25 RNG. 17E
Location: Monument Butte County Duchesne State Utah
Formation/Perforations: Green River / 4247-54

Treatment type: SAND FRAC. Total Number of Holes: 28
Treatment Company: WESTERN

Volume	Fluid	Conc.	Sand Characteristics		Volume
			Size		
Gal			BPM	PSI	
Gal					
Gal					
44 2000 Gal	2% KCL WATER PAD	0	31.1	3450	—
16 600 Gal	"	2 #	31.6	3340	16/30 1200 #
16 600 Gal	"	3 #	31.9	3200	16/30 1800 #
17 600 Gal	"	4 #	31.9	3650	16/30 2400 #
20 700 Gal	"	5 #	32.1	3120	16/30 3500 #
91 3000 Gal	"	6 #	32.5	2150	16/30 1800 #
98 3256 Gal	"	7 #	32.5	2120	16/30 #
101 4242 Gal	" FLUSH	0	32.5	2260	16/30 #
			33.9	2490	— #

TOTAL FLUID PUMPED: 15456 gal. 2% Acid fluid
15456 gal. 2% KCL WATER

TOTAL SAND VOL.: 45700 lbs. 16/30 sand
lbs. 1 sand
lbs. 1 sand
lbs. 1 bauxite

Finished well with 3256 gal. of 2% KCL WATER
ball sealers were pumped. Was ball action seen? Yes
Barrels of Load to Recover 11 + 357 = 368 BUR.

Avg. Treating Pressure = 2400 psi, max = 3500 psi, min = 2200 psi
Avg. Treating Rate = 31.5 bpm, max = 33.8 bpm, min = 31.1 bpm
ISIP = 1890 psi, 5 min. = 1580 psi, 10 min. = 1490 psi, 15 min. = 1450 psi
Well will be shut in for 19 hrs. before bringing back fluid. 30 MIN. = 1350

REMARKS: SAFETY MEETING,
BBL. TO LOAD HOLE
FORCED CLOSURE FLOW BACK, .5 BPM., 30 MIN., FLOW BACK 15 BBL.
FRAC GRADIENT 88

Well site Supervisor: Dale Griffin

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 299' plug from 5344'-5643' with 45 sxs Class "G" cement.
2. Plug #2 Set 155' plug from 5087'-5242' with 28 sxs Class "G" cement.
3. Plug #3 Set 158' plug from 4146'-4304' with 28 sxs Class "G" cement.
4. Plug #4 Set 200' plug from 2000'-2200' with 25 sxs Class "G" cement.
5. Plug #5 Set 100' plug from 217'-317' with 15 sxs Class "G" cement. (50' on either side of casing shoe)
6. Plug #6 Set 50' plug from surface with 10 sxs Class "G" cement
7. Plug #7 Pump 50 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement to surface.

RECEIVED
FEB 11 2010
DIVISION OF
OIL, GAS AND MINING

Attachment H-1 Balcron Federal #44-4Y

Spud Date: 9-30-94
 Put on Production: 12-13-94
 GL: 5201.5' KB: ?'

Initial Production: 20 BOPD, 0
 MCFPD, 0 BWPD

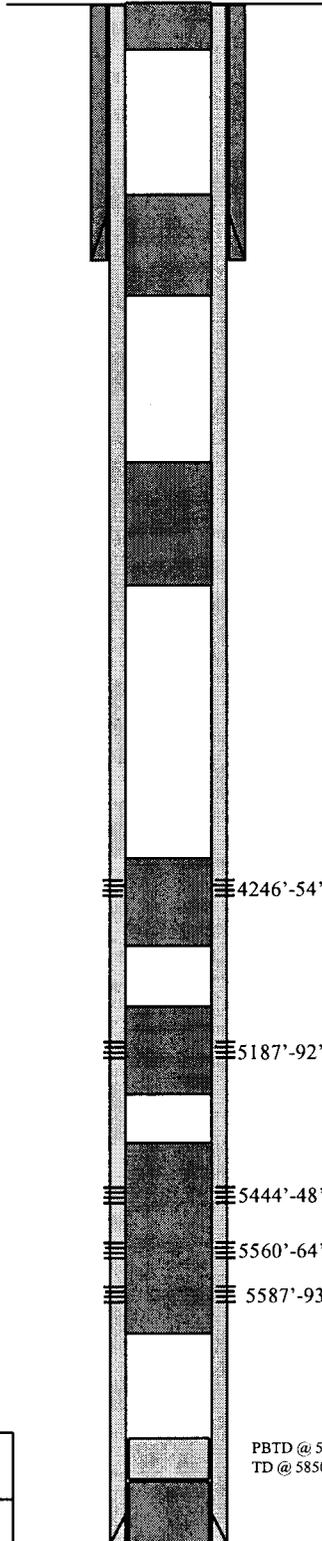
SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (260.15')
 DEPTH LANDED: 267'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G", est ? Bbls cmt to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts.
 DEPTH LANDED: 5849'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 261 sx Super G & 316 sx 50/50 Poz
 CEMENT TOP AT:

Proposed P & A
 Diagram



10 sxs Class "G" cmt, 50' to surface

50 sxs Class "G" cmt down the 8-5/8" x 5-1/2" annulus

15 sxs Class "G" cmt, 217'-317'

25 sxs Class "G" cmt, 2000'-2200'

28 sxs Class "G" cmt, 4146'-4304'

28 sxs Class "G" cmt, 5087'-5242'

45 sxs Class "G" cmt, 5344'-5643'

4246'-54'

5187'-92'

5444'-48'

5560'-64'

5587'-93'

PBTD @ 5808'
 TD @ 5850'

RECEIVED
 DIVISION OF
 OIL, GAS &...

	<p>Inland Resources Inc.</p> <p>Balcron Federal #44-4Y</p> <p>660 FSL 660 FEL</p> <p>SESE Section 4-T9S-R17E</p> <p>Duchesne Co, Utah</p> <p>API #43-013-31452; Lease #U-65967</p>
---	--

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

---ooOoo---

IN THE MATTER OF THE APPLICATION : NOTICE OF AGENCY ACTION
OF INLAND PRODUCTION COMPANY FOR :
ADMINISTRATIVE APPROVAL OF THE : CAUSE NO. UIC-250
TAR SANDS FEDERAL 5-33, CASTLE DRAW
6-4 & 12-4, BALCRON MONUMENT FEDERAL
31-5 & THE FEDERAL 31-9H & 44-4Y WELLS,
LOCATED IN SECTIONS 33, 4, 5 & 9,
TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17
EAST, S.L.M., DUCHESNE COUNTY, UTAH, :
AS CLASS II INJECTION WELLS :

---ooOoo---

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

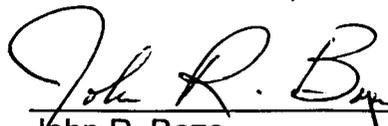
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland Production Company.

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

DATED this 22nd day of February 2000.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



John R. Baza
Associate Director, Oil and Gas

**Inland Production Company
Tar Sands Federal 5-33, Castle Draw 6-4& 12-4,
Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells
Cause No. UIC-250**

Publication Notices were sent to the following:

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

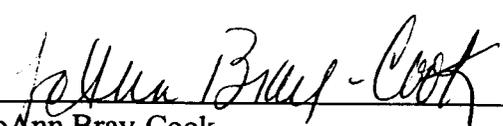
Newspaper Agency Corporation
Legal Advertising
P.O. Box 45838
Salt Lake City, Utah 84145

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

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

U.S. Environmental Protection Agency
Region VIII
Attn: Dan Jackson
999 18th Street
Denver, Colorado 80202-2466

School & Institutional Trust Lands Administration
Attn: Ed Bonner
675 East 500 South
Salt Lake City, Utah 84102



JoAnn Bray-Cook
Secretary
February 22, 2000



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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 22, 2000

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-250

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

Sincerely,



JoAnn Bray-Cook
Secretary

Enclosure



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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

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801-359-3940 (Fax)
801-538-7223 (TDD)

February 22, 2000

Newspaper Agency Corporation
Legal Advertising
PO Box 45838
Salt Lake City, Utah 84145

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Sincerely,


JoAnn Bray-Cook
Secretary

Enclosure

143 SOUTH MAIN ST.
 P.O. BOX 45838
 SALT LAKE CITY, UTAH 84145
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ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL4600KI6G1
SCHEDULE	
START 03/03/00 END 03/03/00	
CUST. REF. NO.	
UIC-247	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
116 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	134.56
TOTAL COST	
134.56	

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

---ooOoo---

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE TAR SANDS FEDERAL 5-33, CASTLE DRAW 6-4 & 12-4, BALCRON MONUMENT FEDERAL 31-5 & THE FEDERAL 31-9H & 44-4Y WELLS, LOCATED IN SECTIONS 33, 4, 5 & 9, TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-250

---ooOoo---

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well-by-well basis, based on fracture gradient information submitted by Inland Production Company.

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

Dated this 22nd day of February 2000

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING WAS PUBLISHED BY DIV OF OIL-GAS & MINING CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH

PUBLISHED ON START 03/03/00 END 03/03/00

SIGNATURE _____

DATE 03/03/00

James Now

4600KI6G

STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/ John R. Baza
 Associate Director, Oil & Gas

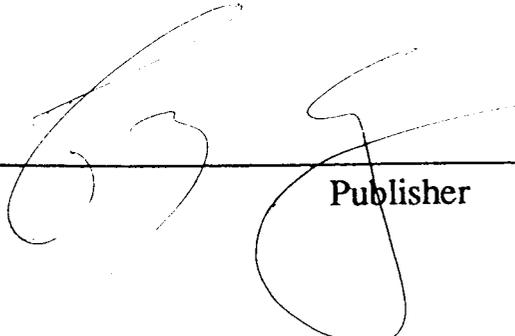
**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
 PLEASE PAY FROM BILLING STATEMENT.**

2
 2827 REC 6131 NUADD016 GEDD

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 7 day of March, 2000, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of March, 2000.

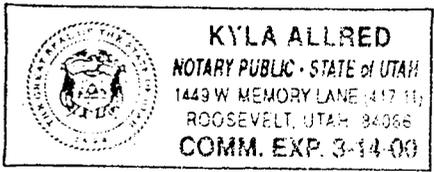


Publisher

Subscribed and sworn to before me this
14 day of March, 2000



Notary Public



NOTICE OF AGENCY ACTION

CAUSE NO. UIC-250
IN THE MATTER OF
THE APPLICATION OF
INLAND PRODUCTION
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL OF THE TAR
SANDS FEDERAL 5-33,
CASTLEDRAW 6-4 & 12-
4, BALCRON MONU-
MENT FEDERAL 31-5 &
THE FEDERAL 31-9H &
44-4Y WELLS, LOCATED
IN SECTIONS 33, 4, 5 & 9,
TOWNSHIP 8 SOUTH &
9 SOUTH, RANGE 17
EAST, S.L.M.,
DUCHESNE COUNTY,
UTAH, AS CLASS II IN-
JECTION WELLS

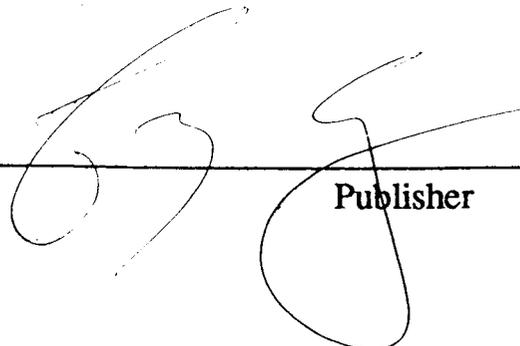
THE STATE OF UTAH
TO ALL PERSONS IN-
TERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland Production Company.

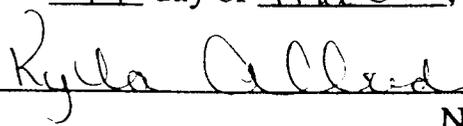
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest

newspaper for 7 consecutive issues, and that the first publication was on the 7 day of March, 2000, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of March, 2000.

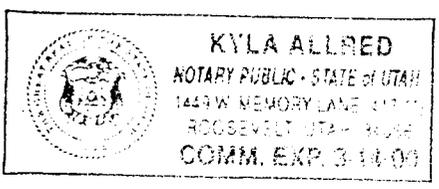


Publisher

Subscribed and sworn to before me this 14 day of March, 2000



Notary Public



44-4Y WELLS, LOCATED IN SECTIONS 33, 4, 5 & 9, TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland Production Company.

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

DATED this 22nd day of February 2000.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

John R. Baza, Associate Director, Oil and Gas

Published in the Uintah Basin Standard March 7, 2000.

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM -FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
 ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11679	12704	43-013-31452	Federal #44-4Y	SESE	4	9S	17E	Duchesne		3/1/2000

WELL 2 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
	11987	12704	43-013-31680	Monument Federal #31-5	NWNE	5	9S	17E	Duchesne		3/1/2000

WELL 2 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	12102	12704	43-013-31107	Pleasant Valley Fed #31R-9H	NWNE	9	9S	17E	Duchesne		3/1/2000

WELL 3 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	12109	12704	43-013-31861	Tar Sands Federal #11-33	NESW	33	8S	17E	Duchesne		3/1/2000

WELL 4 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
	12458	12704	43-013-31884	Tar Sands Federal #10-33	NWSE	33	8S	17E	Duchesne		3/1/2000

WELL 5 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

- 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.

RECEIVED
 MAY 11 2000
 DIVISION OF
 OIL, GAS AND MINING

Kelvin Jones
 Signature
 Production Clerk
 Title
 May 9, 2000
 Date

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Federal 44-4Y

Location: 4/9S/17E

API: 43-013-31452

Ownership Issues: The proposed well is located on BLM land. The well is located in the Blackjack Unit. Lands in the one-half mile radius of the well are administered by the BLM, American Gilsonite and Ziegler Chemical. Inland and various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Blackjack Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 267 feet and is cemented to surface. A 5 ½ inch production casing is set at 5849 feet and has a cement top at 1750 feet. A 2 7/8 inch tubing with a packer will be set at 4401 feet. A mechanical integrity test will be run on the well prior to injection. There are 9 producing or injection wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 200 feet. Injection shall be limited to the interval between 4246 feet and 5593 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 44-4Y well is .719 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1547 psig. The requested maximum pressure is 1547 psig. The anticipated average injection pressure is 1500 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Blackjack Unit on November 1,1999 and revised on December 22, 1999. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date: 07/19/00



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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

July 19, 2000

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: Blackjack Unit Well: Federal 44-4Y, Section 4, Township 9 South, Range 17 East,
Duchesne County, Utah

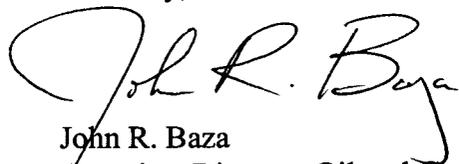
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

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

Sincerely,



John R. Baza
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

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

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER
**Rt. 3 Box 3630, Myton Utah 84052
435-646-3721**

4. LOCATION OF WELL **SEC. 4-T9S-R17E**

Footages **0660 FSL 0660 FEL**

QQ, SEC, T, R, M: **SE/SE**

5. LEASE DESIGNATION AND SERIAL NO.
U-65967

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

7. UNIT AGREEMENT NAME
CASTLE DRAW EXPANSION

8. WELL NAME and NUMBER
FEDERAL 44-4Y

9. API NUMBER
43-013-31452

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

COUNTY **DUCHESNE**
STATE **UTAH**

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

NOTICE OF INTENT:
(Submit in Duplicate)

ABANDON NEW CONSTRUCTION

REPAIR CASING PULL OR ALTER CASING

CHANGE OF PLANS RECOMPLETE

CONVERT TO INJECTION REPERFORATE

FRACTURE TREAT OR ACIDIZE VENT OR FLARE

MULTIPLE COMPLETION WATER SHUT OFF

OTHER _____

SUBSEQUENT REPORT OF:
(Submit Original Form Only)

ABANDON* NEW CONSTRUCTION

REPAIR CASING PULL OR ALTER CASIN

CHANGE OF PLANS RECOMPLETE

CONVERT TO INJECTION REPERFORATE

FRACTURE TREAT OR ACIDIZE VENT OR FLARE

OTHER _____

DATE WORK COMPLETED _____

Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanys by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

Inland intends to perforate additional Green River intervals and convert the subject well to an injector. The D 1 intervals from 4699'-4703', C intervals from 4849-51', and B-1 intervals from 4958-62' will be perforated with 3 3/8" casing guns at 4jspf. The perforated intervals will be broken down with water and an injection test will be performed to determined if hydraulic fracturing is required.

13. NAME & SIGNATURE: Michael Guinn TITLE District Engineer DATE 10/23/00

(This space for State use only)

4/94 **Approved by the
Utah Division of
Oil, Gas and Mining**

* See Instructions On Reverse Side

Date: 11/6/00
By: [Signature]

RECORDS MANAGER
11-7-00
6711

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other Injection Well

2. Name of Operator
INLAND PRODUCTION COMPANY

3. Address and Telephone No.
RT 3 Box 3630 Myton Ut 84052, (435) 646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0660 FSL 0660 FEL SE/SE Section 4, T09S R17E

5. Lease Designation and Serial No.
U-65967

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
BLACK JACK UNIT

8. Well Name and No.
FEDERAL 44-4Y

9. API Well No.
43-013-31452

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UTAH

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

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

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

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

The subject well was converted from a producing to an injection well on 03/14/01. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4171'. On 3/15/01 Mr. Emmett Schmitz w/ EPA was contacted of the intent to conduct a MIT on the casing -tubing annulus. Mr. Dave Hackford with the State DOGM was also contacted. On 3/09/01 the casing was pressured to 1025 psi with no loss of pressure charted in a 1/2 hour test. No governmental agencies were able to witness the test. The well is shut-in and waiting on permission to inject.

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

Signed *Krishna Russell* Title Production Clerk Date 3/16/01
 Krishna Russell

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:
CC: UTAH DOGM



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

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

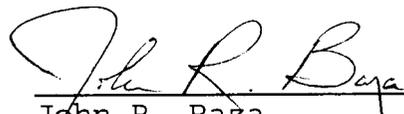
Cause No. UIC-250

Operator: Inland Production Company
Well: Federal 44-4Y
Location: Section 4, Township 9 South, Range 17 East
County: Duchesne
API No.: 43-013-31452
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 19, 2000.
2. Maximum Allowable Injection Pressure: 1547 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4246 feet - 5593 feet)

Approved by:



John R. Baza
Associate Director, Oil And Gas

3/20/2001
Date

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton

**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.	UTU-65967
6. If Indian, Allottee or Tribe Name	NA
7. If Unit or CA, Agreement Designation	CASTLE DRAW EXPANSI
8. Well Name and No.	FEDERAL 44-4Y-9-17
9. API Well No.	43-013-31452
10. Field and Pool, or Exploratory Area	MONUMENT BUTTE
11. County or Parish, State	DUCHESNE COUNTY, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0660 FSL 0660 FEL SE/SE Section 4, T09S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other Report of first injection
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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

The above referenced well was put on injection at 4:00 p.m. on 4/5/01.

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

Signed *M. Handie Cozler* Title Permit Clerk Date 4/6/01

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

<p>1. SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection Well</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. UTU-65967</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A</p> <p>7. UNIT AGREEMENT NAME CASTLE DRAW EXPANSIO</p> <p>8. WELL NAME and NUMBER FEDERAL 44-4Y-9-17</p> <p>9. API NUMBER 43-013-31452</p> <p>10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE</p> <p>COUNT DUCHESNE STATE UTAH</p>
<p>2. NAME OF OPERATOR INLAND PRODUCTION COMPANY</p>	
<p>3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</p>	
<p>4. LOCATION OF WELL</p> <p>Footages 660 FSL 660 FEL</p> <p>QQ, SEC, T, R, M. SE/SE Section 4, T09S R17E</p>	

<p>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA</p>																											
<p>NOTICE OF INTENT: (Submit in Duplicate)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> ABANDON</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> REPAIR CASING</td> <td><input type="checkbox"/> PULL OR ALTER CASING</td> </tr> <tr> <td><input type="checkbox"/> CHANGE OF PLANS</td> <td><input type="checkbox"/> RECOMPLETE</td> </tr> <tr> <td><input type="checkbox"/> CONVERT TO INJECTION</td> <td><input type="checkbox"/> REPERFORATE</td> </tr> <tr> <td><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE</td> <td><input type="checkbox"/> VENT OR FLARE</td> </tr> <tr> <td><input type="checkbox"/> MULTIPLE COMPLETION</td> <td><input type="checkbox"/> WATER SHUT OFF</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> OTHER _____</td> </tr> </table>	<input type="checkbox"/> ABANDON	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> MULTIPLE COMPLETION	<input type="checkbox"/> WATER SHUT OFF	<input type="checkbox"/> OTHER _____		<p>SUBSEQUENT REPORT OF: (Submit Original Form Only)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> ABANDON*</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> REPAIR CASING</td> <td><input type="checkbox"/> PULL OR ALTER CASING</td> </tr> <tr> <td><input type="checkbox"/> CHANGE OF PLANS</td> <td><input type="checkbox"/> RECOMPLETE</td> </tr> <tr> <td><input type="checkbox"/> CONVERT TO INJECTION</td> <td><input type="checkbox"/> REPERFORATE</td> </tr> <tr> <td><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE</td> <td><input type="checkbox"/> VENT OR FLARE</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> OTHER Step Rate Test</td> </tr> </table> <p>DATE WORK COMPLETED _____</p> <p>Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p> <p>*Must be accompanied by a cement verification report</p>	<input type="checkbox"/> ABANDON*	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE	<input checked="" type="checkbox"/> OTHER Step Rate Test	
<input type="checkbox"/> ABANDON	<input type="checkbox"/> NEW CONSTRUCTION																										
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<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE																										
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<input type="checkbox"/> MULTIPLE COMPLETION	<input type="checkbox"/> WATER SHUT OFF																										
<input type="checkbox"/> OTHER _____																											
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<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE																										
<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE																										
<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE																										
<input checked="" type="checkbox"/> OTHER Step Rate Test																											

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

A step rate test was conducted on the subject well on 7/17/01. Results from the test indicate that the fracture gradient is .678 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 1030 psi.
From 1547

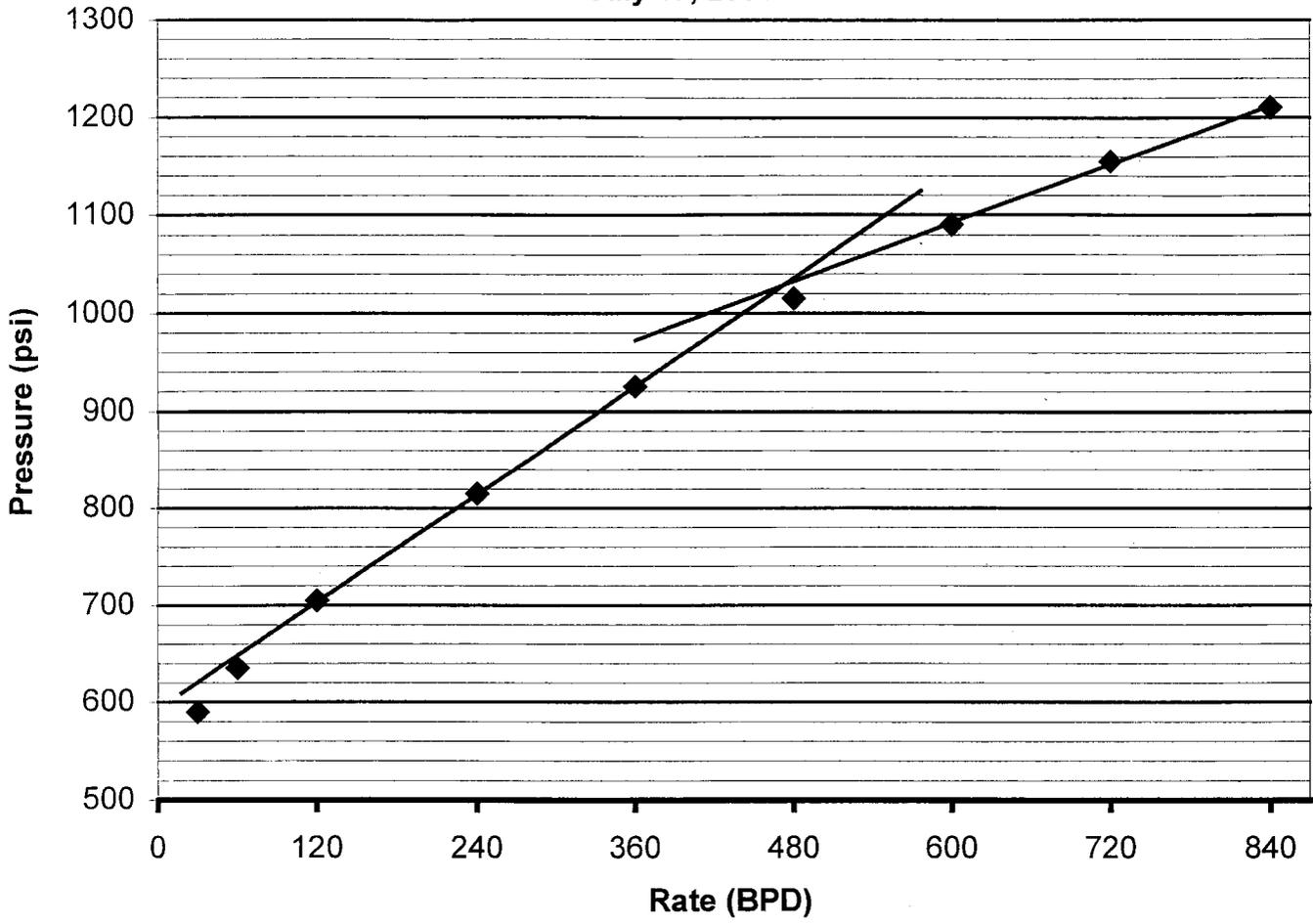
13. NAME & SIGNATURE: Michael Guinn TITLE District Engineer DAT 7/18/01

(This space for State use only)

**Approved by the
Utah Division of
Oil, Gas and Mining**
 Date: 07-20-01
 By: [Signature]

*07-20-01
CHD*

Federal 44-4Y-9-17
 Black Jack Unit
 Step Rate Test
 July 17, 2001



Start Pressure: 545 psi
 Instantaneous Shut In Pressure (ISIP): 1185 psi
 Top Perforation: 4246 feet
 Fracture pressure (Pfp): 1030 psi
 FG: 0.678 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	30	590
2	60	635
3	120	705
4	240	815
5	360	925
6	480	1015
7	600	1090
8	720	1155
9	840	1210



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
 Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
 Phone: (303) 893-0102
 Comments:

Name: Brian Harris
 Signature: *Brian Harris*
 Title: Engineering Tech.
 Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
 Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
 Phone: _____
 Comments:

Name: Brian Harris
 Signature: *Brian Harris*
 Title: Engineering Tech.
 Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Stewart*
 Title: *Perk. Services Manager*

Approval Date: 9-20-04

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED
SEP 20 2004
DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU65967

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged well, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME:
BLACKJACK UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER Injection well

8. WELL NAME and NUMBER:
FEDERAL 44-4Y

2. NAME OF OPERATOR:
Newfield Production Company

9. API NUMBER:
4301331452

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 0660 FSL 0660 FEL

COUNTY: Duchesne

OTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/SE, 4, T9S, R17E

STATE: Utah

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

TYPE OF ACTION

TYPE OF SUBMISSION

TYPE OF ACTION

<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>01/13/2005</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on January 11, 2005. Results from the test indicate that the fracture gradient is .752 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1345 psi.

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

NAME (PLEASE PRINT) Mike Guinn

TITLE Engineer

SIGNATURE 

DATE January 13, 2005

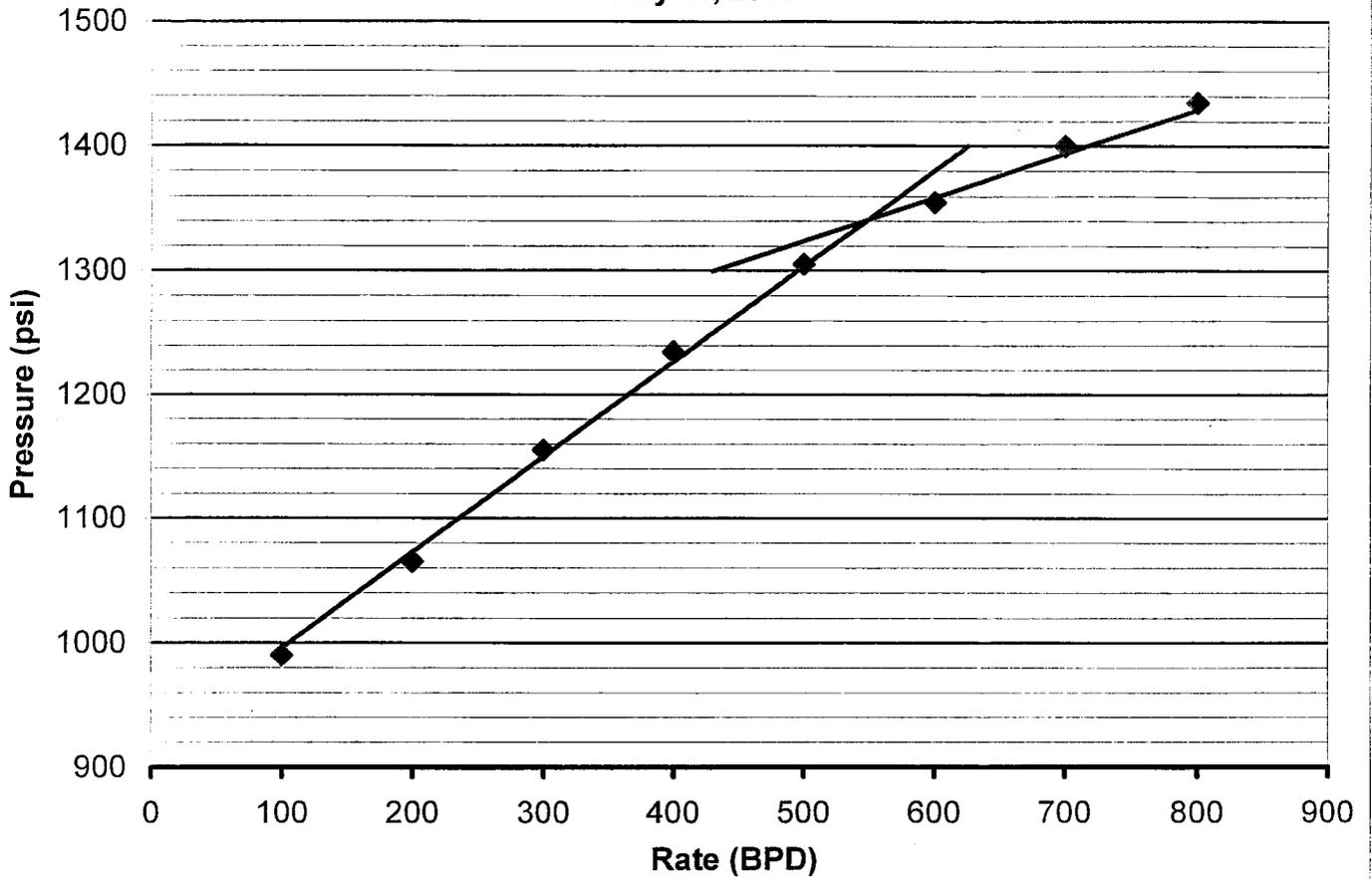
(This space for State use only)

RECEIVED

JAN 14 2005

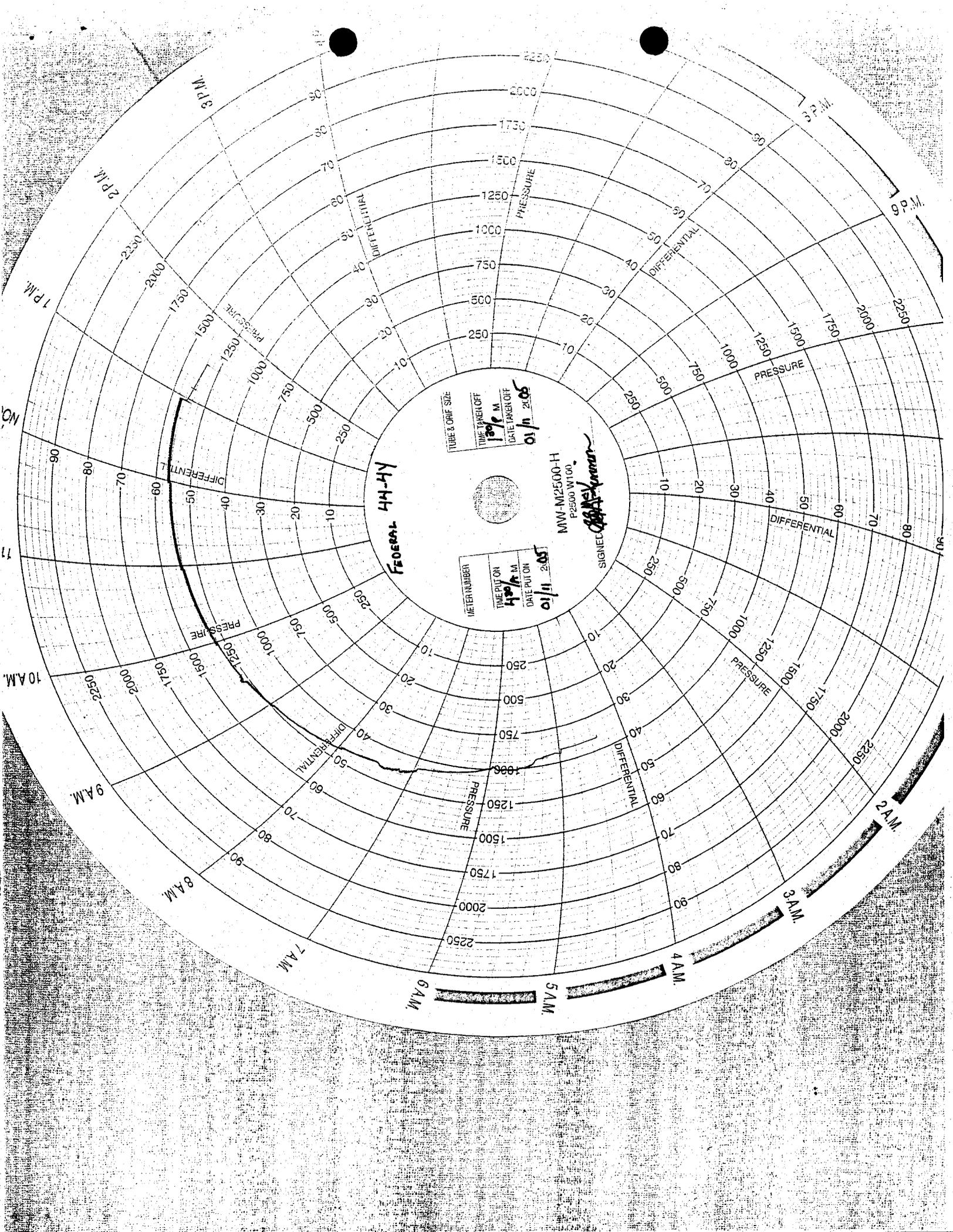
DIV. OF OIL, GAS & MINING

Federal 44-4Y
 Blackjack Unit
 Step Rate Test
 January 11, 2005



Start Pressure: 915 psi
 Instantaneous Shut In Pressure (ISIP): 1390 psi
 Top Perforation: 4246 feet
 Fracture pressure (Pfp): 1345 psi
 FG: 0.752 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	990
2	200	1065
3	300	1155
4	400	1235
5	500	1305
6	600	1355
7	700	1400
8	800	1435



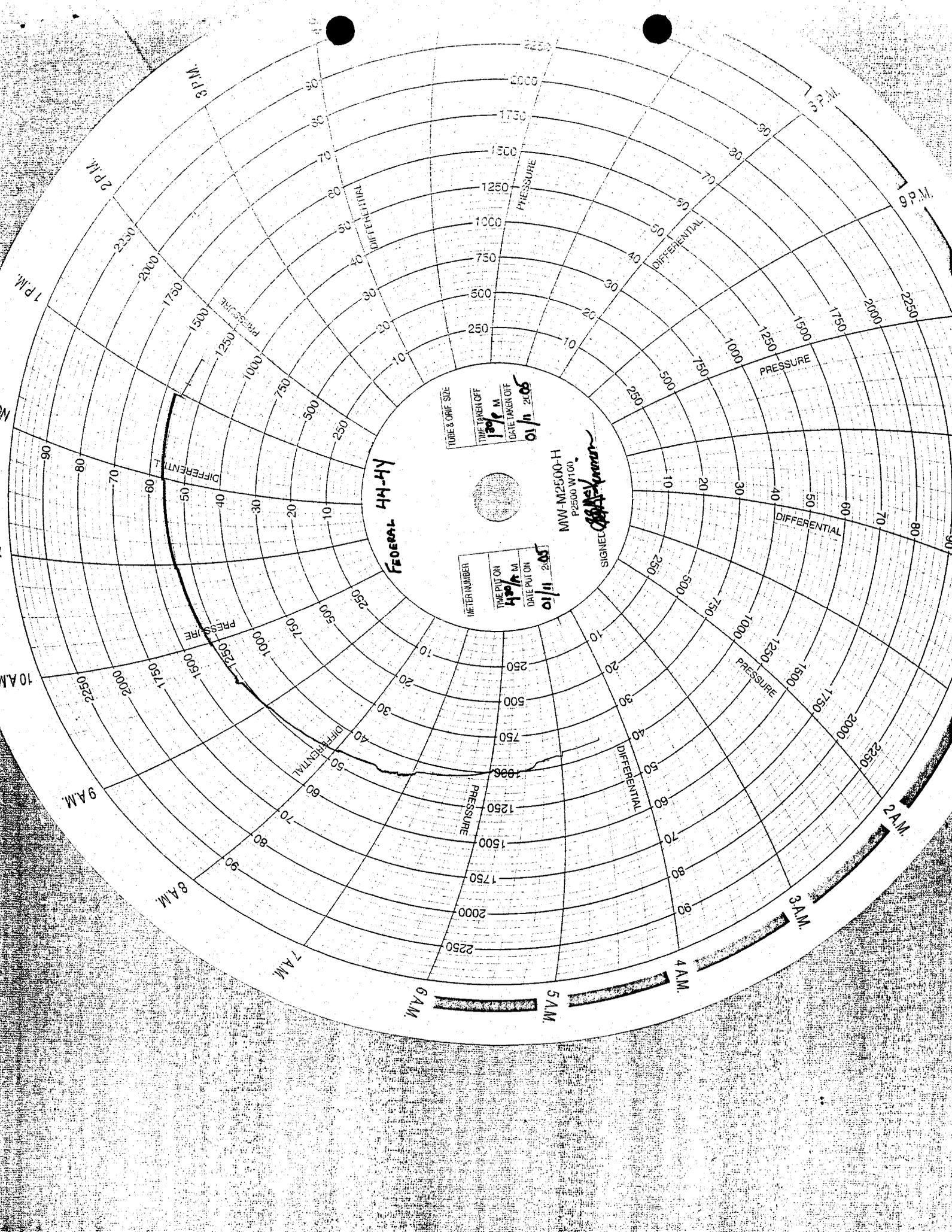
TUBE & ORIF. SIZE
TIME TAKEN OFF
DATE TAKEN OFF

METER NUMBER
TIME PUT ON
DATE PUT ON

FEDERAL 44-44

NW-M2500-H
P2500 W100

SIGNED *C. J. ...*



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:

BLACKJACK (GR)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
TAR SANDS FED 4-33	33	080S	170E	4301331664	12704	Federal	OW	P
TAR SANDS FED 5-33	33	080S	170E	4301331665	12704	Federal	WI	A
TAR SANDS FED 12-33	33	080S	170E	4301331757	12704	Federal	OW	P
TAR SANDS FED 6-33	33	080S	170E	4301331814	12704	Federal	OW	P
TAR SANDS FED 7-33	33	080S	170E	4301331860	12704	Federal	WI	A
TAR SANDS FED 11-33	33	080S	170E	4301331861	12704	Federal	WI	A
TAR SANDS FED 10-33	33	080S	170E	4301331884	12704	Federal	OW	P
TAR SANDS FED 15-33	33	080S	170E	4301331890	12704	Federal	OW	P
FEDERAL 24-3Y	03	090S	170E	4301331397	12704	Federal	WI	A
MON FED 14-3-9-17Y	03	090S	170E	4301331535	12704	Federal	OW	P
PAIUTE FED 32-4R-9-17	04	090S	170E	4301330674	12704	Federal	NA	DRL
FEDERAL 44-4Y	04	090S	170E	4301331452	12704	Federal	WI	A
ALLEN FED 43-5R-9-17	05	090S	170E	4301330720	12704	Federal	NA	DRL
MON FED 31-5-9-17	05	090S	170E	4301331680	12704	Federal	WI	A
FEDERAL 31R-9H	09	090S	170E	4301331107	12704	Federal	WI	A
CASTLE DRAW 10-10-9-17	10	090S	170E	4301330684	12704	Federal	OW	P
CASTLE DRAW 14-10	10	090S	170E	4301330994	12704	Federal	OW	P
FEDERAL 22-10Y	10	090S	170E	4301331395	12704	Federal	WI	A
BALCRON MON FED 12-10-9-17Y	10	090S	170E	4301331536	12704	Federal	OW	P
BALCRON MON FED 21-10-9-17Y	10	090S	170E	4301331537	12704	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU65967

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
BLACKJACK UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER Injection well

8. WELL NAME and NUMBER:
FEDERAL 44-4Y

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331452

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 0660 FSL 0660 FEL

COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SE/SE, 4, T9S, R17E

STATE: Utah

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

TYPE OF ACTION SubDate

TYPE OF SUBMISSION	TYPE OF ACTION	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/07/2006	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 3/7/06 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 3/7/06. On 3/7/06 the csg was pressured up to 1050 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1320 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20875-04534 API# 43-013-31452.

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

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE *Callie Duncan*

DATE 03/07/2006

(This space for State use only)

RECEIVED

MAR 09 2006

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 03/07/06
 Test conducted by: Dale Giles
 Others present: _____

Well Name: <u>Federal 44-48-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Blackjack Unit</u>		
Location: _____	Sec: <u>4 T 9 N 10 R 17 E</u> / W	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1345</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

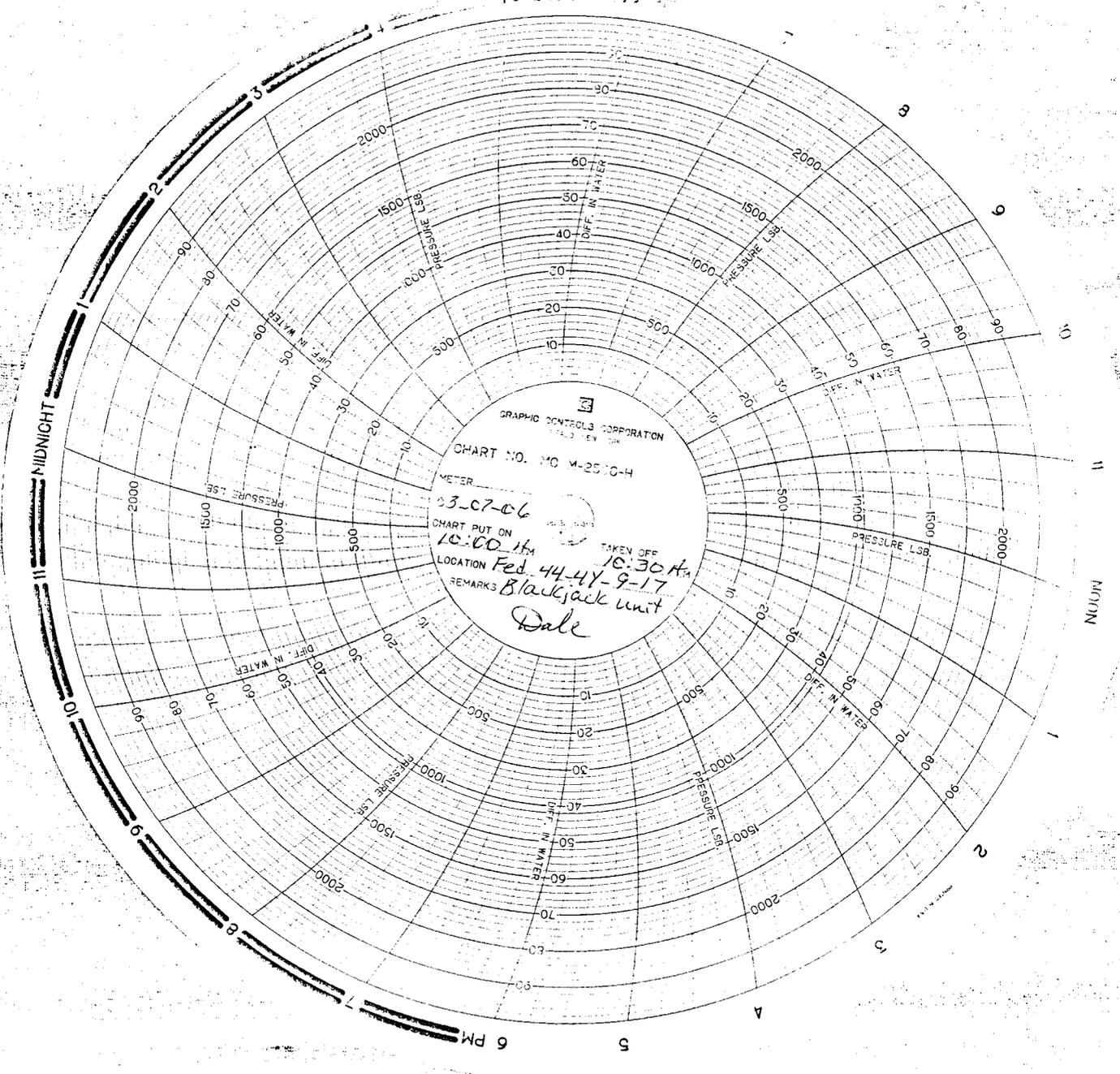
MIT DATA TABLE	Test #1		Test #2		Test #3	
TUBING PRESSURE						
Initial Pressure	<u>1320</u>	psig		psig		psig
End of test pressure	<u>1320</u>	psig		psig		psig
CASING / TUBING ANNULUS PRESSURE						
0 minutes	<u>1050</u>	psig		psig		psig
5 minutes	<u>1050</u>	psig		psig		psig
10 minutes	<u>1050</u>	psig		psig		psig
15 minutes	<u>1050</u>	psig		psig		psig
20 minutes	<u>1050</u>	psig		psig		psig
25 minutes	<u>1050</u>	psig		psig		psig
30 minutes	<u>1050</u>	psig		psig		psig
_____ minutes		psig		psig		psig
_____ minutes		psig		psig		psig
RESULT	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well
 Oil Well Gas Well Other *WT*

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
 Myton, UT 84052

3b. Phone (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 660 FSL 660 FEL
 SESE Section 4 T9S R17E

5. Lease Serial No.
 UTU-65967

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
 BLACKJACK UNIT

8. Well Name and No.
 FEDERAL 44-4Y

9. API Well No.
 4301331452

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Step Rate Test _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A step rate test was conducted on the subject well on February 8, 2007. Results from the test indicate that the fracture gradient is .795 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1510 psi.

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

I hereby certify that the foregoing is true and correct (Printed/ Typed)
 Cheyenne Bateman

Signature *Cheyenne Bateman*

Title
 Well Analyst Foreman

Date
 02/12/2007

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice 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.

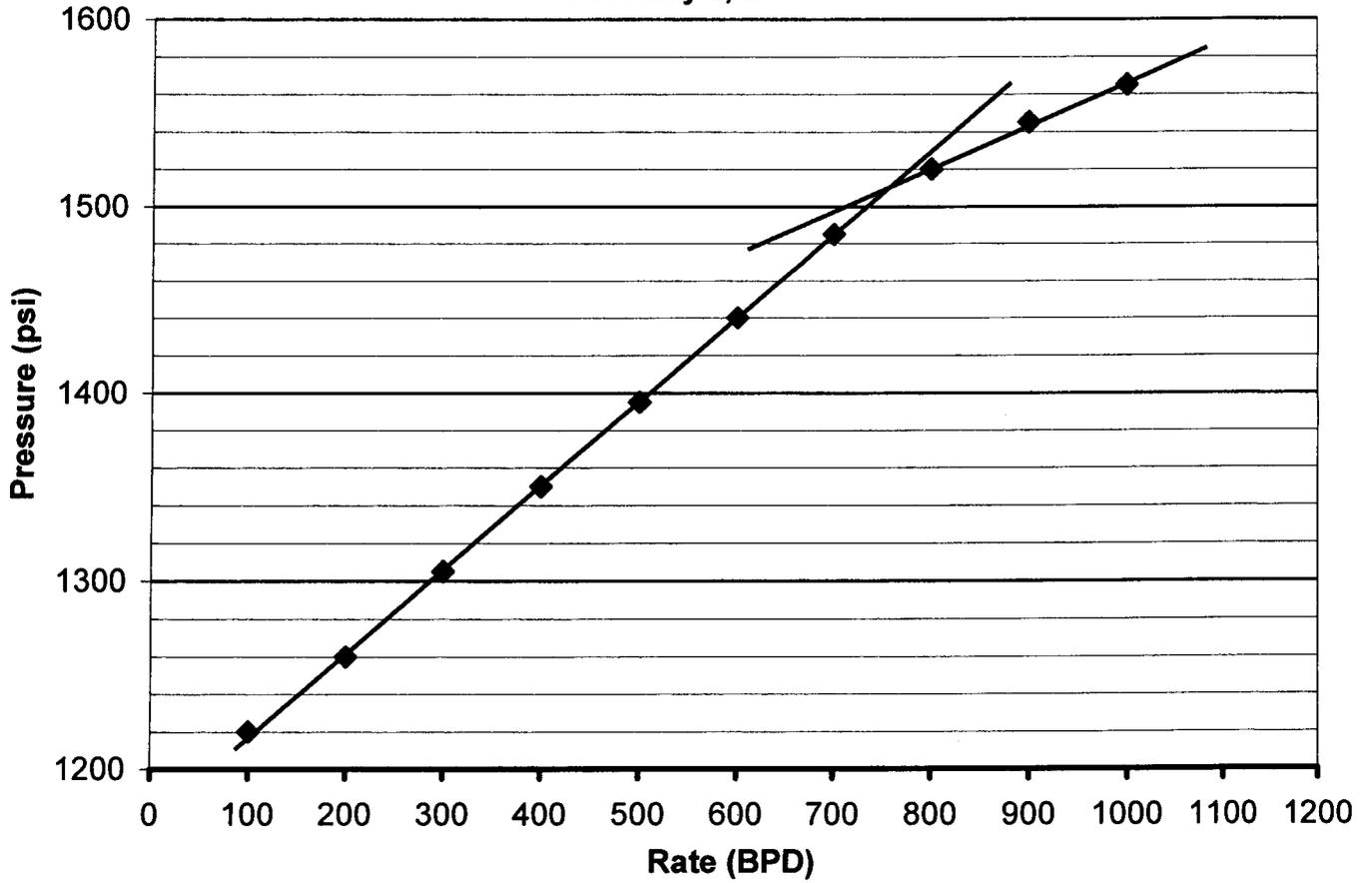
Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
FEB 14 2007
 DIV. OF OIL, GAS & MINING

Federal 44-4Y
Black Jack Unit
Step Rate Test
February 8, 2007



Start Pressure: 1185 psi
Instantaneous Shut In Pressure (ISIP): 1515 psi
Top Perforation: 4246 feet
Fracture pressure (Pfp): 1510 psi
FG: 0.795 psi/ft

<u>Step</u>	<u>Rate(bpd)</u>	<u>Pressure(psi)</u>
1	100	1220
2	200	1260
3	300	1305
4	400	1350
5	500	1395
6	600	1440
7	700	1485
8	800	1520
9	900	1545
10	1000	1565

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
 USA UTU-65967

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
 GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
 FEDERAL 44-4Y

2. NAME OF OPERATOR:
 NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
 4301331452

3. ADDRESS OF OPERATOR:
 Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
 GREATER MB UNIT

4. LOCATION OF WELL:
 FOOTAGES AT SURFACE: 660 FSL 660 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 4, T9S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
01/14/2011	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 01/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 01/14/2011 the casing was pressured up to 1110 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1433 psig during the test. There was not an EPA representative available to witness the test.

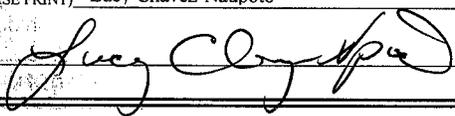
EPA# UT20877-04534 API# 43-013-31452

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 01/17/2011

(This space for State use only)

RECEIVED

JAN 24 2011

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 1 / 14 / 2011
 Test conducted by: Eric L. Park
 Others present: _____

Well Name: <u>Federal 44-44-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SE/SE</u> Sec: <u>4</u> T <u>9</u> N <u>10</u> R <u>17</u> E W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? Yes No
 Initial test for permit? Yes No
 Test after well rework? Yes No
 Well injecting during test? Yes No If Yes, rate: 1/4 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1433</u> psig	psig	psig
End of test pressure	<u>1433</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1110</u> psig	psig	psig
5 minutes	<u>1110</u> psig	psig	psig
10 minutes	<u>1110</u> psig	psig	psig
15 minutes	<u>1110</u> psig	psig	psig
20 minutes	<u>1110</u> psig	psig	psig
25 minutes	<u>1110</u> psig	psig	psig
30 minutes	<u>1110</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-65967
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: FEDERAL 44-4Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013314520000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 04 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/16/2015		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SPUD REPORT Date of Spud:		OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
5 YR MIT performed on the above listed well. On 12/16/2015 the casing was pressured up to 1120 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1470 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04534		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 28, 2015
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 12/17/2015

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 12 / 16 / 2015
 Test conducted by: Kane Stevenson
 Others present: _____

Well Name: <u>Federal 44-49-9-17</u>	Type: ER SWD	Status: AC TA UC	-64534
Field: <u>Monument Butte</u>			
Location: <u>44</u> Sec: <u>4Y</u> T <u>9</u> N/S R <u>17</u> E/W		County: <u>Duchesne</u> State: <u>UT</u>	
Operator: <u>Newfield Exploration</u>			
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG	

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

Pre-test casing/tubing annulus pressure: CSG-0 TB6-1470 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	1470 psig	psig	psig
End of test pressure	1470 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1110 psig	psig	psig
5 minutes	1113 psig	psig	psig
10 minutes	1114 psig	psig	psig
15 minutes	1116 psig	psig	psig
20 minutes	1118 psig	psig	psig
25 minutes	1119 psig	psig	psig
30 minutes	1120 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

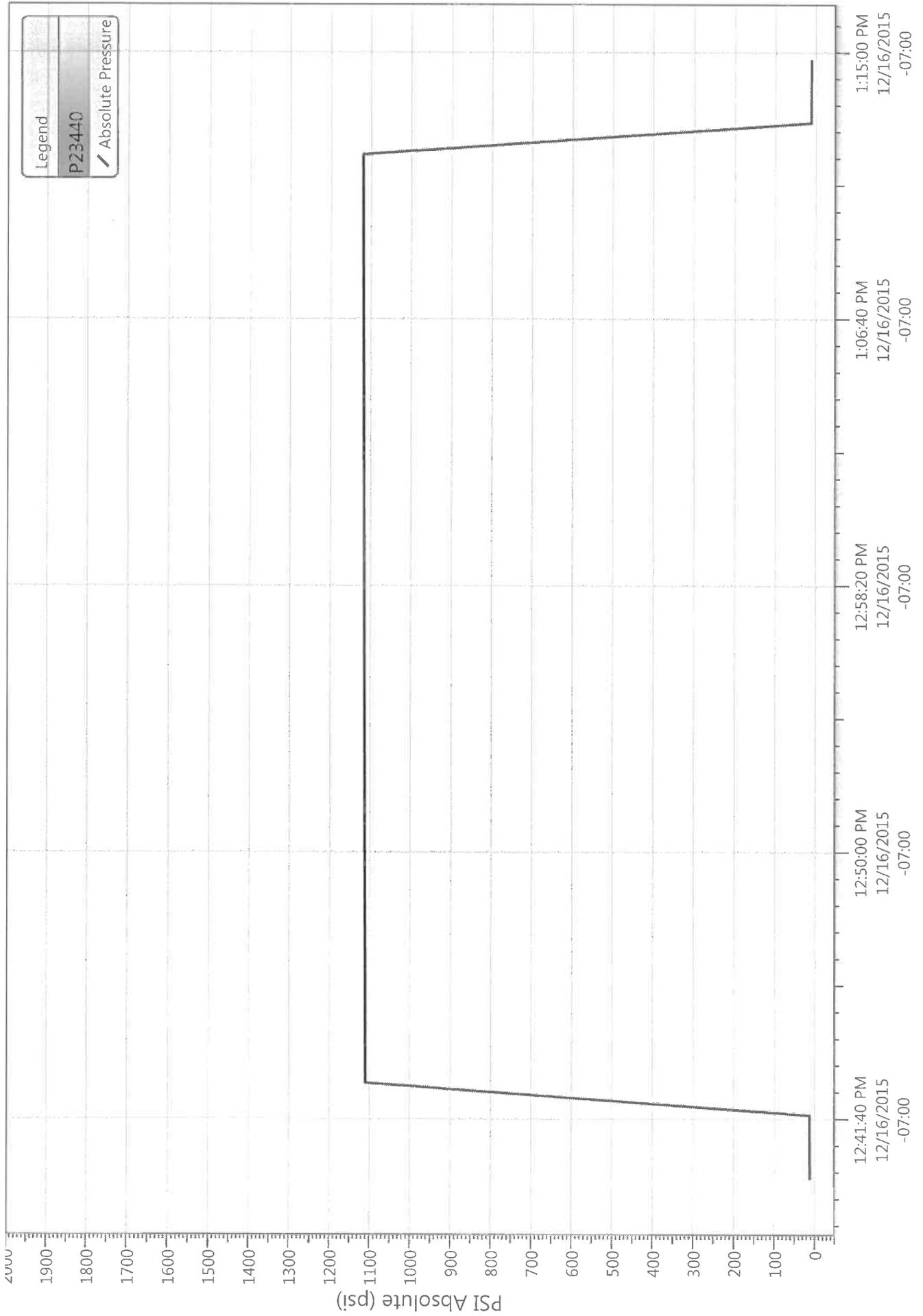
Does the annulus pressure build back up after the test? Yes No

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

Federal 44-4Y-9-17 (5 Year MIT) 12/16/2015
12/16/2015 12:37:26 PM



NEWFIELD



Schematic

43-013-31452

Well Name: **Federal 44-4Y-9-17**

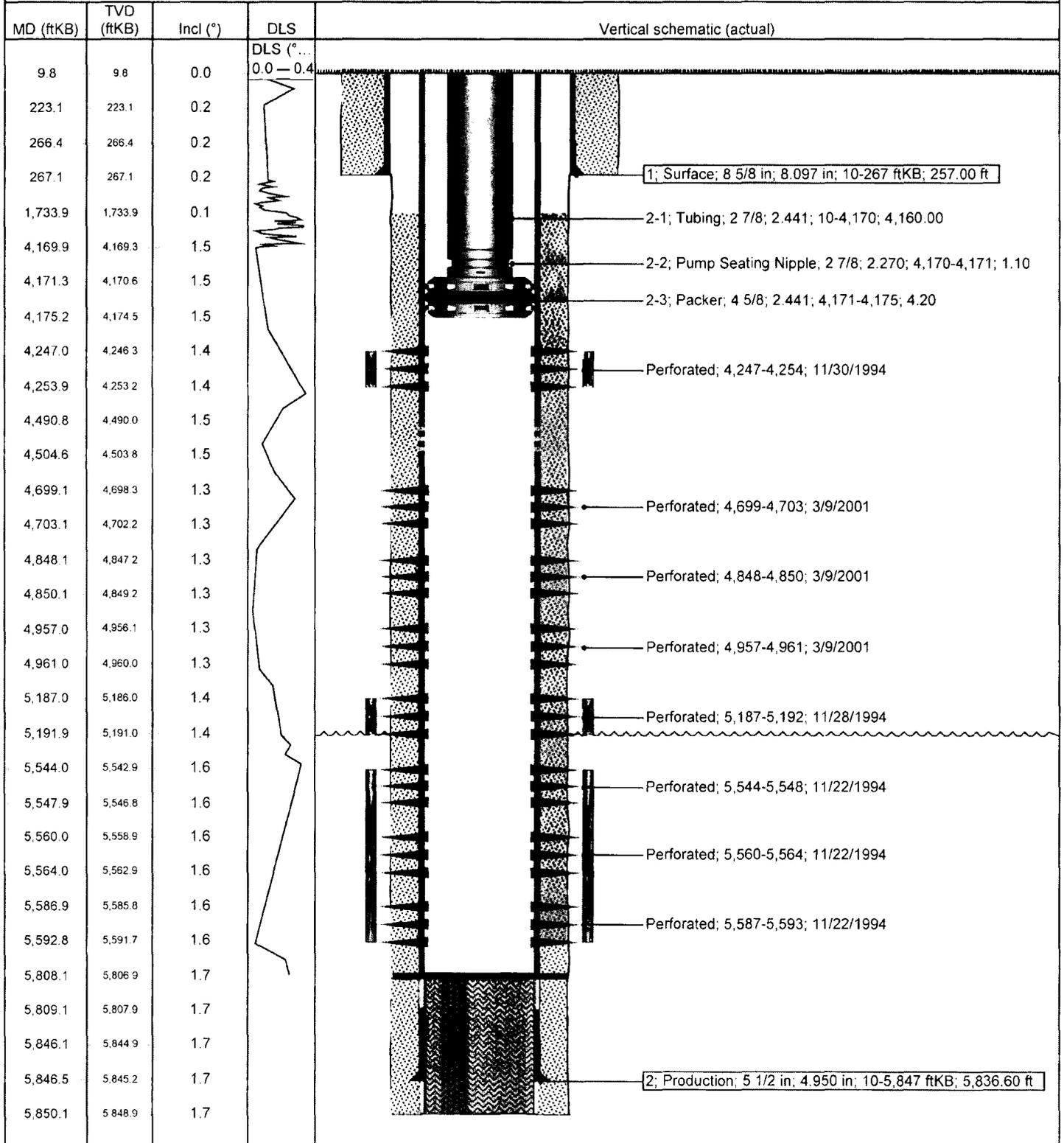
Surface Legal Location 04-9S-17E			API/UWI 43013314520000	Well RC 500150892	Lease	State/Province Utah	Field Name GMBU CTB8	County Duchesne
Spud Date 9/30/1994	Rig Release Date 11/9/1994	On Production Date 12/14/1994	Original KB Elevation (ft) 5,212	Ground Elevation (ft) 5,202	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,808.0	

Most Recent Job

Job Category Testing	Primary Job Type	Secondary Job Type N/A	Job Start Date 12/16/2015	Job End Date 12/16/2015
-------------------------	------------------	---------------------------	------------------------------	----------------------------

TD: 5,850.0

Vertical - Original Hole, 1/11/2016 2:39:21 PM



NEWFIELD



Newfield Wellbore Diagram Data Federal 44-4Y-9-17

Surface Legal Location 04-9S-17E		API/UWI 43013314520000		Lease	
County Duchesne		State/Province Utah		Basin	
Well Start Date 9/30/1994		Spud Date 9/30/1994		Final Rig Release Date 11/9/1994	
Original KB Elevation (ft) 5,212		Ground Elevation (ft) 5,202		Total Depth (ftKB) 5,850.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,808.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/10/1994	8 5/8	8.097	24.00	J-55	267
Production	11/9/1994	5 1/2	4.950	15.50	J-55	5,847

Cement

String: Surface, 267ftKB 10/10/1994

Cementing Company Western	Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 267.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 10.0

String: Production, 5,847ftKB 11/9/1994

Cementing Company Western	Top Depth (ftKB) 1,734.0	Bottom Depth (ftKB) 5,850.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 261	Class Super G	Estimated Top (ftKB) 1,734.0
Fluid Description	Fluid Type Tail	Amount (sacks) 316	Class 50/50 Poz	Estimated Top (ftKB) 3,000.0

Tubing Strings

Tubing Description Tubing				Run Date 3/15/2001	Set Depth (ftKB) 4,175.3			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	133	2 7/8	2.441	6.50	J-55	4,160.00	10.0	4,170.0
Pump Seating Nipple		2 7/8	2.270			1.10	4,170.0	4,171.1
Packer		4 5/8	2.441			4.20	4,171.1	4,175.3

Rod Strings

Rod Description				Run Date	Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
3	Green River, Original Hole	4,247	4,254	4			11/30/1994
0	D1, Original Hole	4,699	4,703	4			3/9/2001
0	C, Original Hole	4,848	4,850	4			3/9/2001
0	B1, Original Hole	4,957	4,961	4			3/9/2001
2	Green River, Original Hole	5,187	5,192	4			11/28/1994
1	Green River, Original Hole	5,544	5,548	4			11/22/1994
1	Green River, Original Hole	5,560	5,564	4			11/22/1994
1	Green River, Original Hole	5,587	5,593	4			11/22/1994

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,580						
2	5,187						
3	1,880						

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk sand 92220 lbs
2		Proppant Bulk sand 32722 lbs
3		Proppant Bulk sand 61156 lbs