

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS  \_\_\_\_\_  
 40131 Confidential Status expired 1-31-96 : 960461 Oper. Num. Chg. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DATE FILED JUNE 13, 1994  
 LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-67845 INDIAN \_\_\_\_\_

DRILLING APPROVED: SEPTEMBER 23, 1994  
 SPUDDED IN: 11-28-94  
 COMPLETED: 12-31-94 POW PUT TO PRODUCING: 12-31-94  
 INITIAL PRODUCTION: 74 BOPD;  
 GRAVITY A.P.I. 34  
 GOR \_\_\_\_\_

PRODUCING ZONES: 5138-5950 (GRRV)  
 TOTAL DEPTH: 6250'  
 WELL ELEVATION: 5014 GR  
 DATE ABANDONED: \_\_\_\_\_

FIELD: UNDESIGNATED FIELD PARIETTE DRAW 12-6-96  
 UNIT: NA  
 COUNTY: Uintah  
 WELL NO. BALCRON MONUMENT FEDERAL #32-25 API NO. 43-047-32524  
 LOCATION 1980' FNL FT. FROM (N) (S) LINE. 1980' FEL FT. FROM (E) (W) LINE. SWNE 1/4 - 1/4 SEC 25

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
				8S	17E	25	Inland Prod. Co. <del>EQUIT RES ENERGY CO.</del>

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
	Burro Canyon	Rico (Goodridge)	Aneth
	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

Lease Designation and Serial No.

Federal #U-67845

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work  
 DRILL  DEEPEN  PLUG BACK

2. 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 Monument Federal

9. Well No.

# 32-25

10. Field and Pool, or Wildcat

Undesignated/Green River

11. 00, Sec., T., R., N., or S1/4, and Survey or Area

SW NE Sec. 25 T8S, R17E

Name of Operator  
Equitable Resources Energy Company, Balcron Oil Division

Address of Operator  
P.O. Box 21017; Billings, MT 59104

Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface

SW NE Sec. 25, T8S, R17E 1980' FNL, 1980' FEL  
At proposed prod. zone

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

12. County or Parrish

Uintah

13. State

UTAH

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

16. No. of acres in lease

17. No. of acres assigned to this well

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

19. Proposed depth

6,250'

20. Rotary or cable tools

Rotary

4. Elevations (Show whether DF, RT, GR, etc.)

GL 5013.8'

22. Approx. date work will start\*

8/1/94

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 Application for Permit to Drill.

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.

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

Regulatory and Environmental

Signed: Bobbie Schuman

Title: Specialist

APPROVED BY: [Signature] Date: June 10, 1994

(This space for Federal or State office use)

OF UTAH DIVISION OF OIL, GAS AND MINING

API NO. 43-047-32524

Approval Date

DATE: 9/23/94

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

Title: \_\_\_\_\_

BY: [Signature]

WELL SPACING: R0493N

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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  
 SW NE Section 25, T8S, R17E      1980' FNL, 1980' FEL  
 At proposed prod. zone

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

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

16. NO. OF ACRES IN LEASE

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  
 6,250'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GL 5013.8'

22. APPROX. DATE WORK WILL START\*  
 8/1/94

5. LEASE DESIGNATION AND SERIAL NO.  
 U-67845

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

7. UNIT AGREEMENT NAME  
 n/a

8. FARM OR LEASE NAME  
 Balcron Monument Federal

9. WELL NO.  
 # 32-25

10. FIELD AND POOL, OR WILDCAT  
 Undesignated/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 25 T8S, R17E

12. COUNTY OR PARISH      13. STATE  
 Uintah      UTAH

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 of 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 June 10, 1994

(This space for Federal or State office use)

PERMIT NO. 43-047-32524 APPROVAL DATE 9/13/94

APPROVED BY [Signature] TITLE [Signature]

CONDITIONS OF APPROVAL, IF ANY: WELL SPACING: 20' x 70'

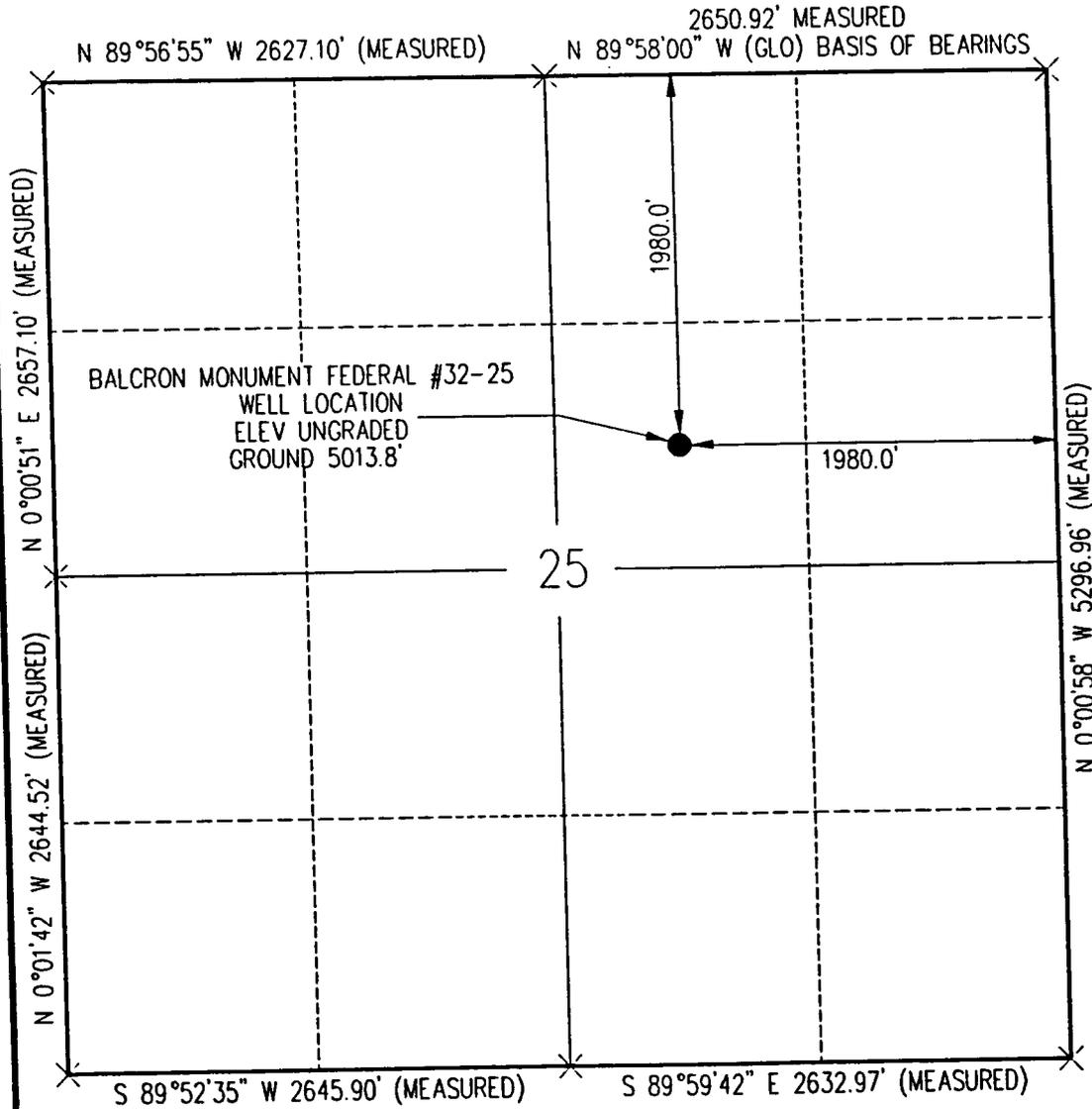
\*See Instructions On Reverse Side

EXHIBIT "K"

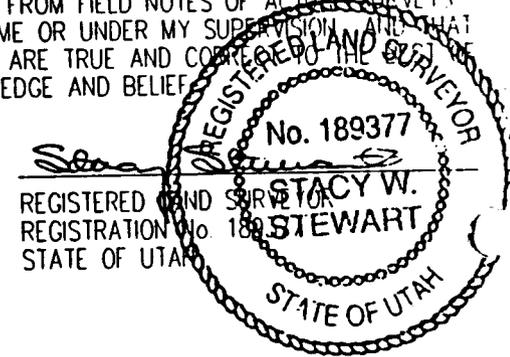
T8S, R17E, S.L.B. & M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #32-25, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 25, T8S, R17E, S.L.B. & M., UINTAH 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 (PARIETTE DRAW SW))

WEATHER: SUNNY & HOT
DATE: 5/26/94
SCALE: 1" = 1000'
SURVEYED BY: SS CB
FILE: MF#32-25



EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #32-25  
SW NE Section 25, T8S, R17E  
Uintah County, Utah

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

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, 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 as possible after the BLM approves this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

**Multi-Point Surface Use and Operations Plan**

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON MONUMENT FEDERAL #32-25  
SW NE SECTION 25, T8S, R17E  
UINTAH COUNTY, UTAH

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

- A. The proposed well site is staked and four reference stakes are present. 200' & 250' NE and 175' & 225' SE.
- B. The Monument Federal #32-25 is located 10 miles Southeast of Myton Utah in the SW1/4 NE1/4 Section 25, T8S, R17E, SLB&M, Uintah County, Utah. To reach the 31-25, 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 7.0 miles to a road intersection, turn right and continue 5.9 miles to proposed access road sign. Follow flags 400 feet to proposed 21-25 location. Continue following flags 1400 feet to sign at the intersection to #31-25. Continue following flags 600 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 600 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 be 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, this liner will be installed over sufficient bedding material (straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place.

- 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 Northeast side of location. The flare pit will be located downwind of the prevailing wind direction on the Southeast near corner #6. Access will be from the Northwest 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 East of location where flagged.

**13. Lessee's or Operator's Representative:**

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

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

Dale Griffin, Home (303)824-3323

**14. certification:**

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

June 10, 1994  
Date

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





BALCRON OIL CO.

<b>Operator: BALCRON OIL</b>	<b>Well Name: Monument Fed. #32-25</b>
<b>Project ID:</b>	<b>Location: Uintah County, Utah</b>

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2500 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

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

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	6,250	5-1/2"	15.50	K-55	ST&C	6,250	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	3125	4040	1.293	3125	4810	1.54	96.88	222	2.29 J

Prepared by : McCoskery, Billings, MT  
 Date : 06-10-1994  
 Remarks :

Minimum segment length for the 6,250 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and  
 3,125 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)

EXHIBIT E

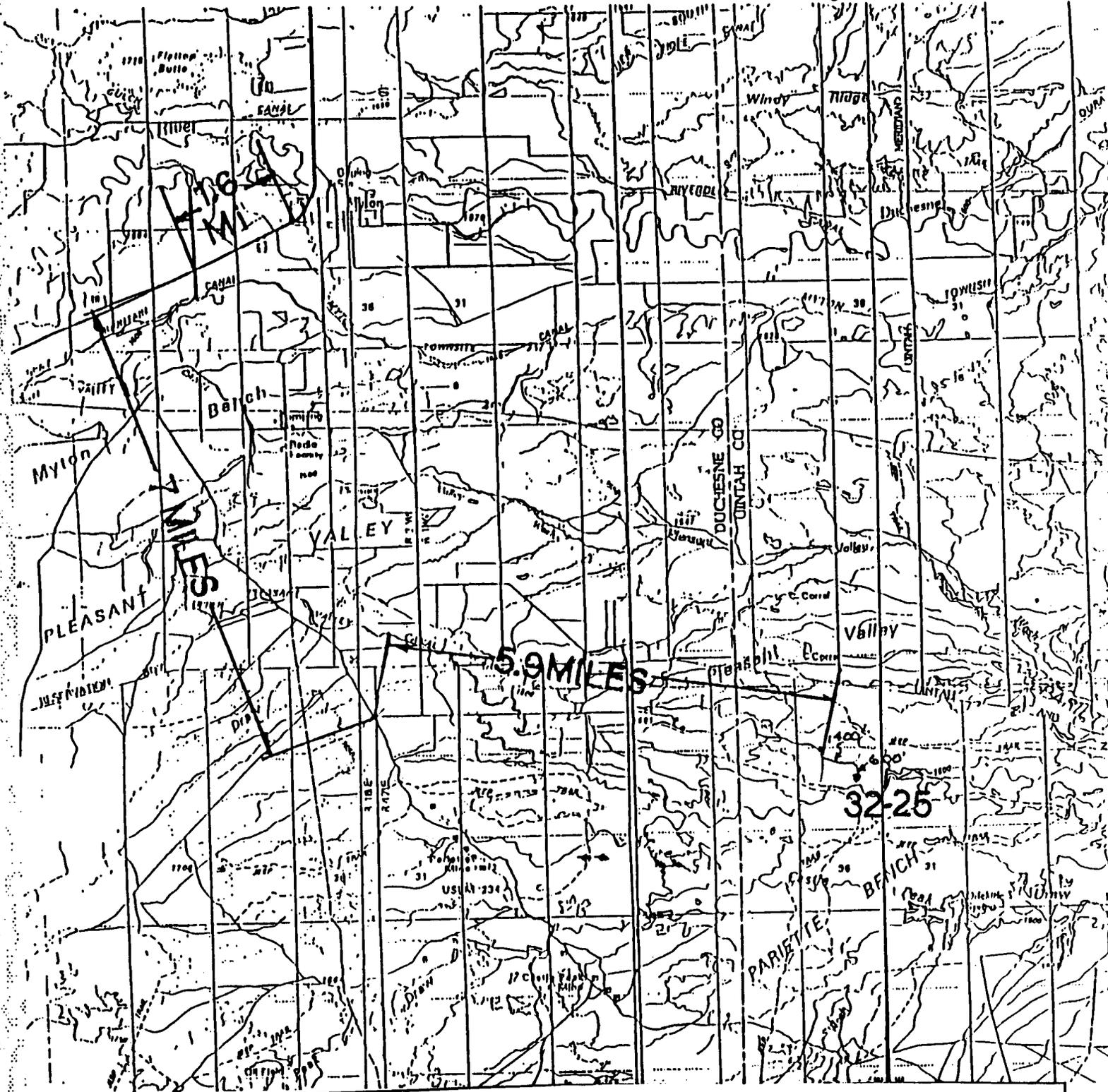
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

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.  
MONUMENT FEDERAL #32-25  
MAP "A"



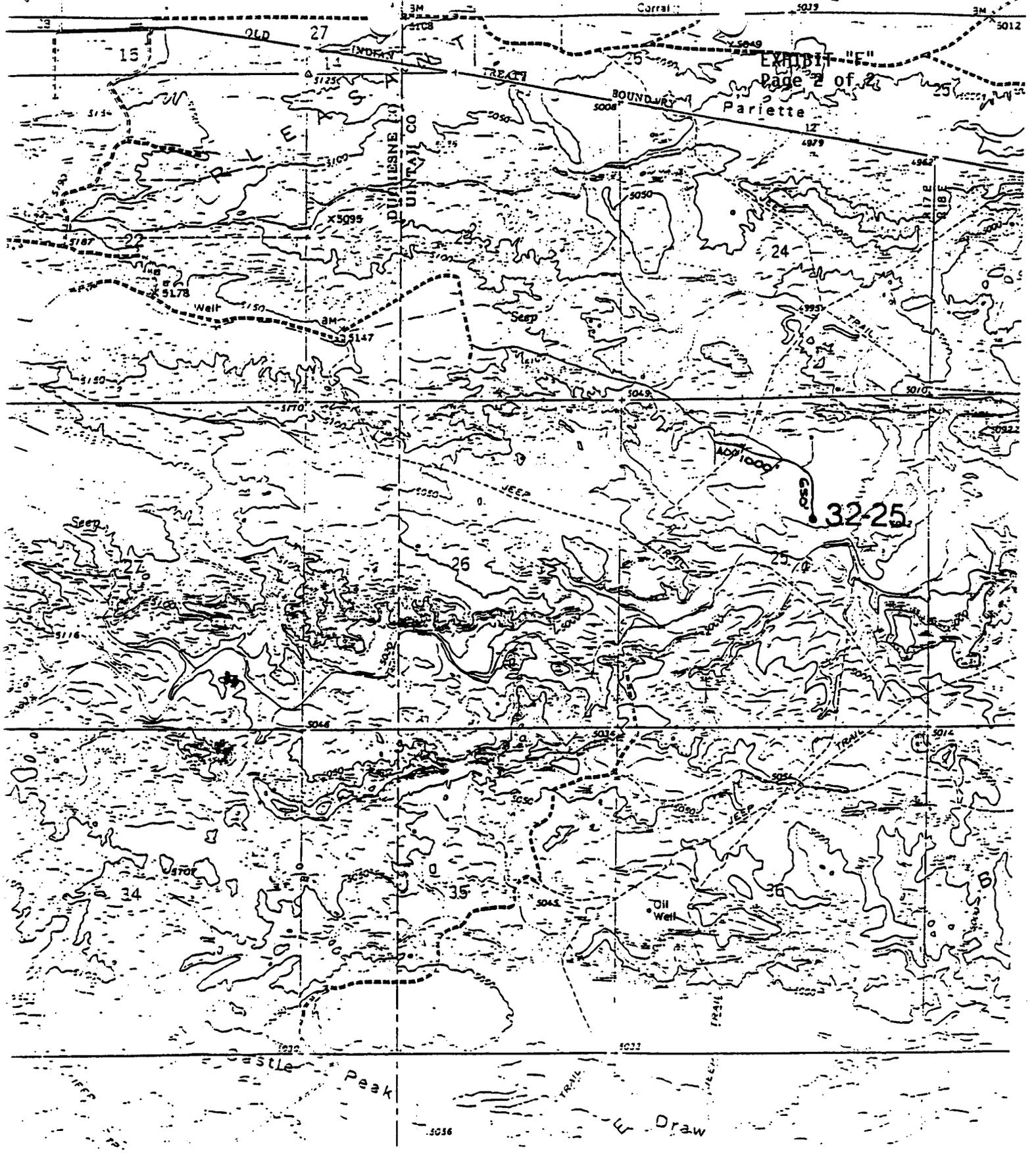
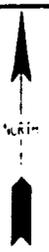


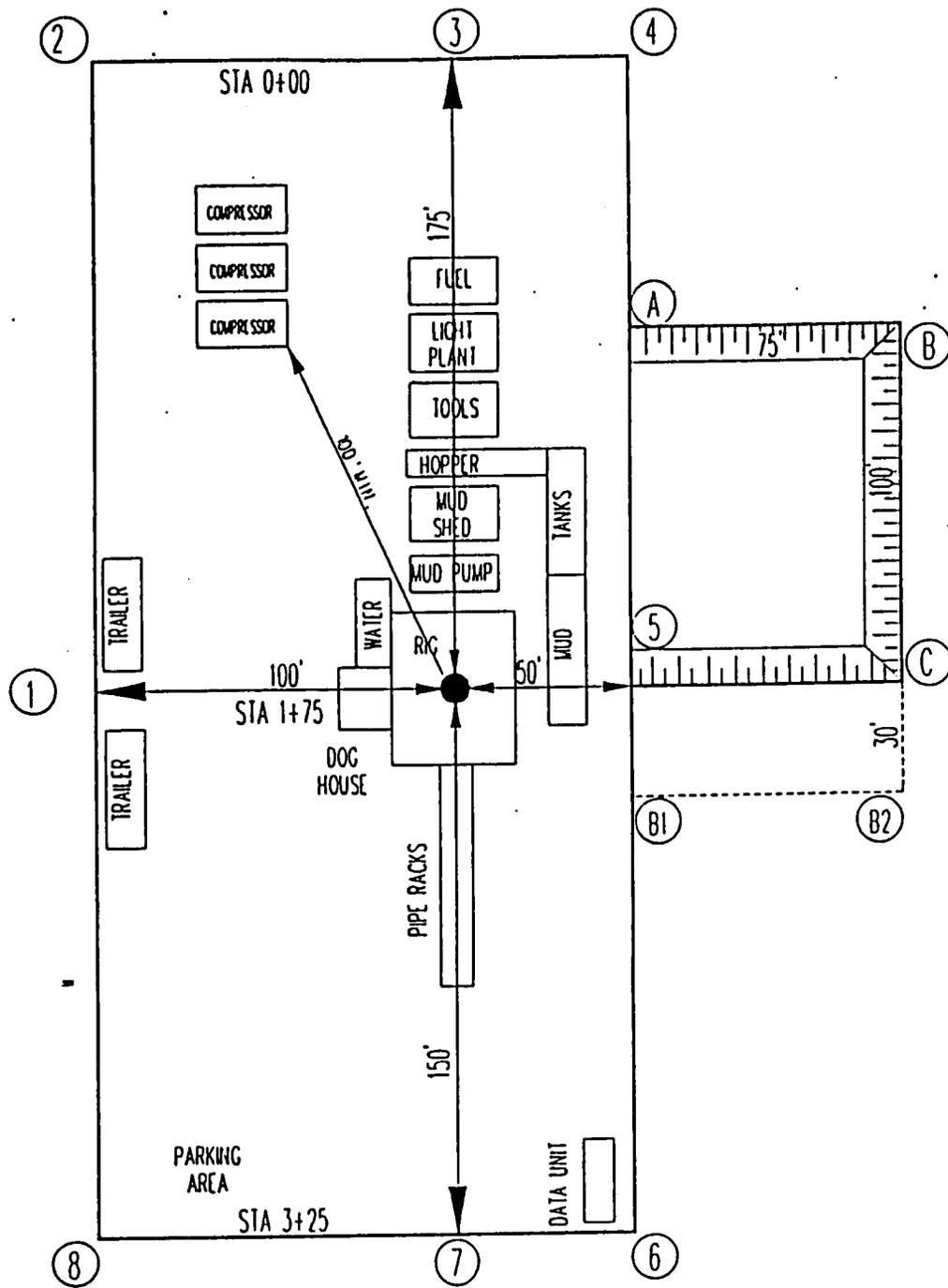
EXHIBIT "E"  
Page 2 of 2



EQUITABLE RESOURCES ENERGY CO.  
MONUMENT FEDERAL #32-25  
MAP "E"



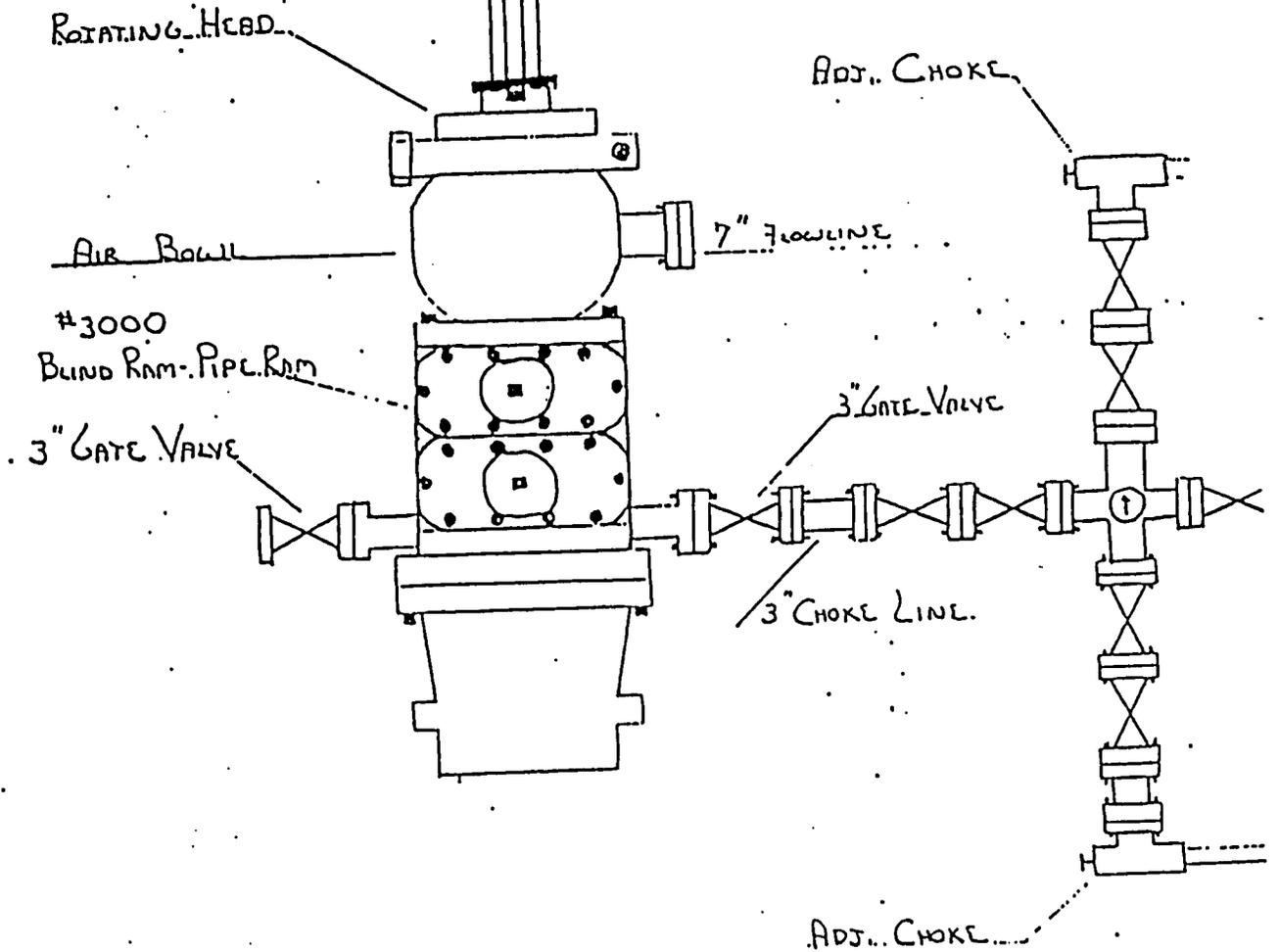
# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



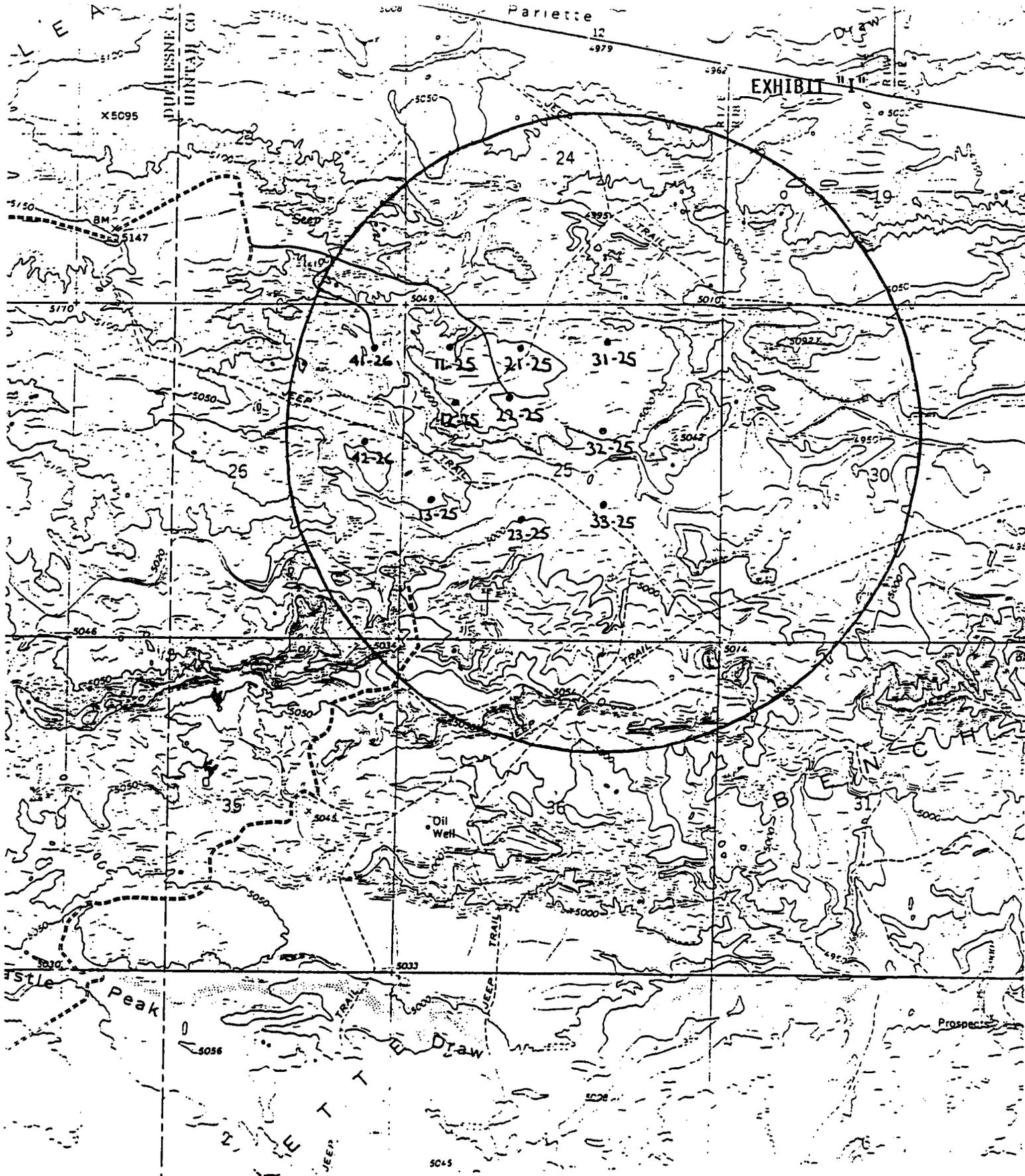
UNION DRILLING RIG #17

Hex Kelly

EXHIBIT "H"



#3000 - STACK





NORTH

**EQUITABLE RESOURCES ENERGY CO.**  
 MONUMENT FEDERAL #32-25  
 MAP "C"



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

**Equitable Resources Energy Company  
Balcron Monument Federal 32-25  
Proposed Production Facility Diagram**

EXHIBIT "J"

Balcron Monument Federal 32-25  
SW NE Sec. 25, T8S, R17E  
Uintah County, Utah  
Federal Lease #U-67845  
1980' FNL, 1980' 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
VALVE #8	CLOSED	CLOSED

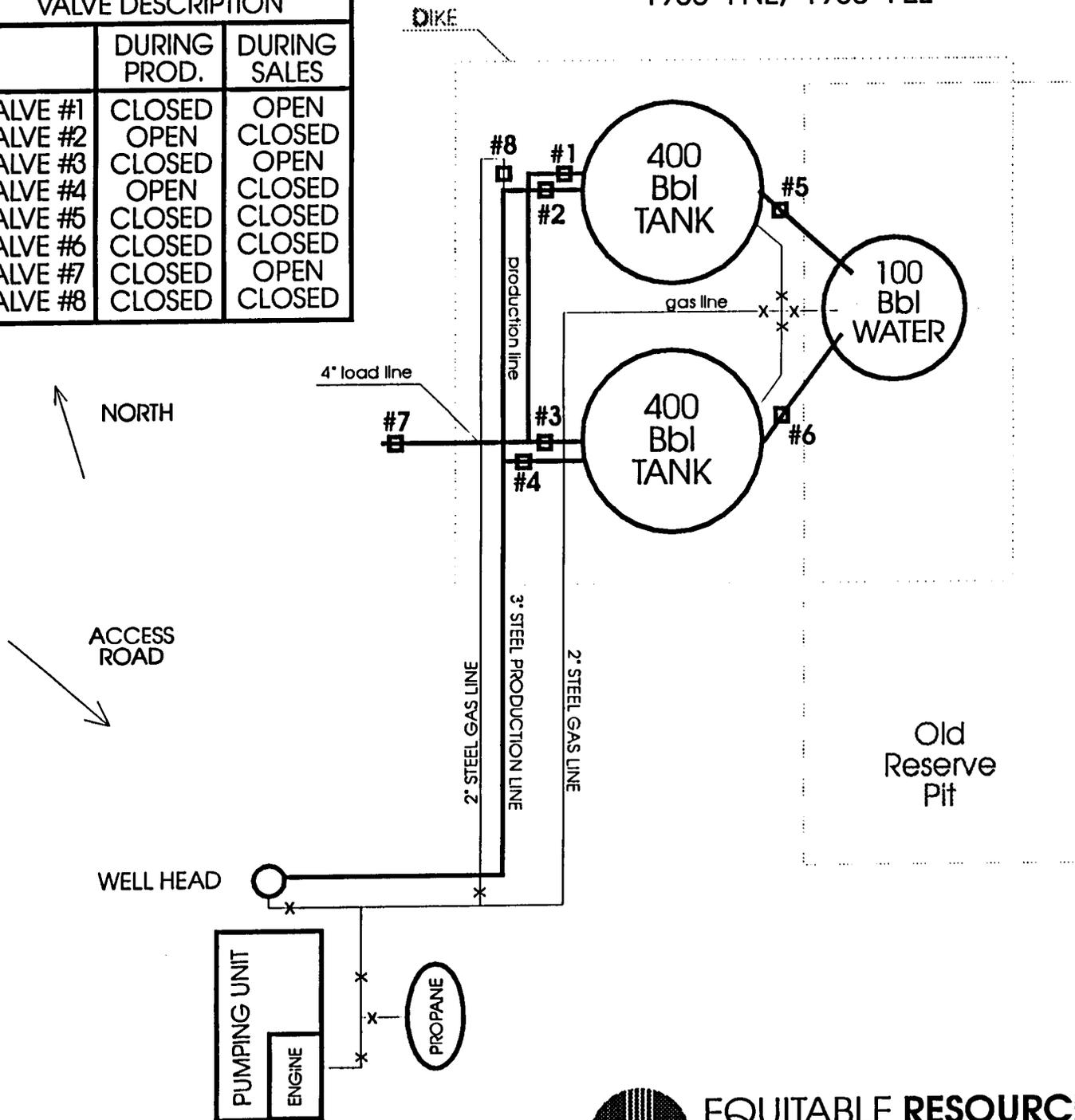


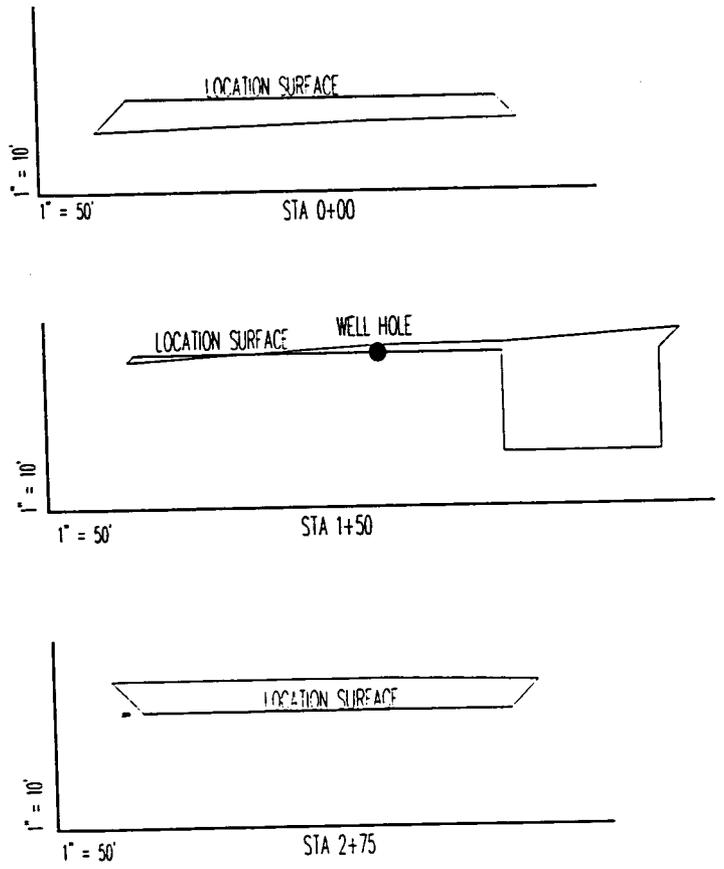
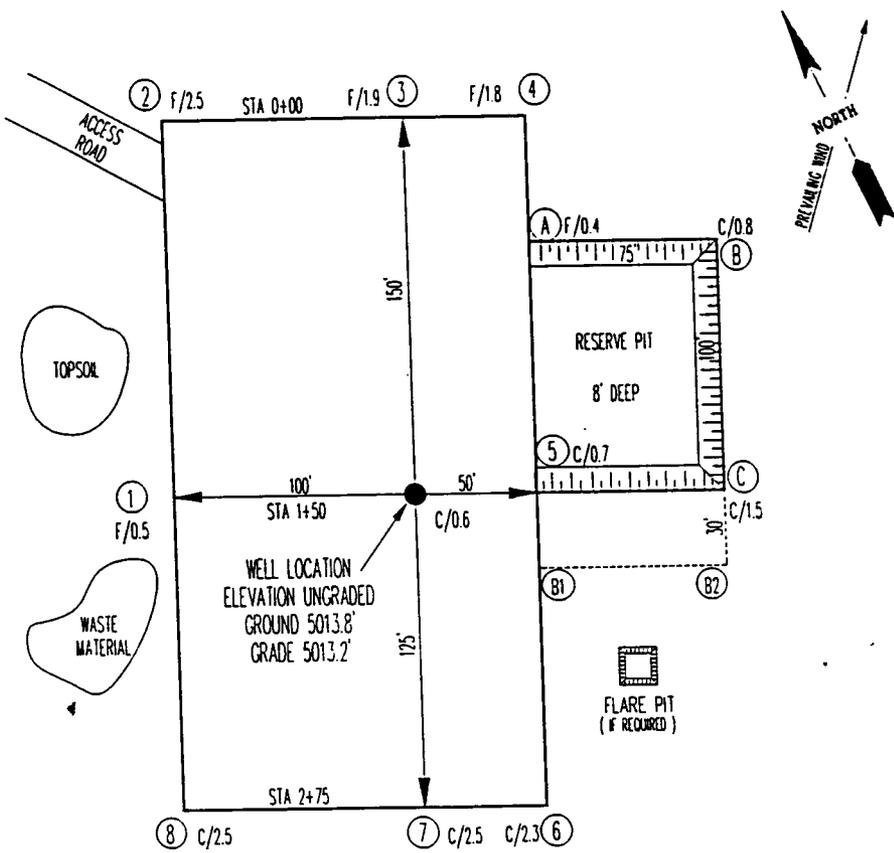
DIAGRAM NOT TO SCALE



**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.**  
BALCRON MONUMENT FEDERAL #32-25



**REFERENCE POINTS**  
 175.0' SOUTHEAST 5016.4'  
 225.0' SOUTHEAST 5018.0'  
 200.0' NORTHEAST 5010.3'  
 250.0' NORTHEAST 5018.0'

**APPROXIMATE YARDAGE**  
 CUT = 1127 Cu Yds  
 FILL = 1110 Cu Yds  
 PIT = 2222.0' Cu Yds

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

FILENAME MF#32-25

EXHIBIT "L"

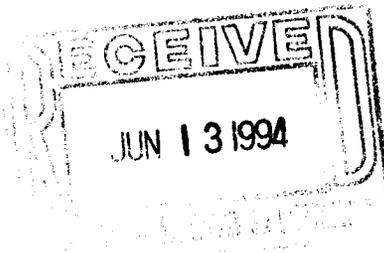


**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**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



June 10, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

RE: Balcron Monument Federal #32-25  
SW NE Section 25, T8S, R17E  
Uintah County, Utah

Enclosed is our Application for Permit to Drill the referenced well.

As operator, we hereby request that the status of this well 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

# **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

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/13/94

API NO. ASSIGNED: 43-047-32524

WELL NAME: BALCRON MONUMENT FEDERAL 32-25  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
SWNE 25 - T08S - R17E  
SURFACE: 1980-FNL-1980-FEL  
BOTTOM: 1980-FNL-1980-FEL  
UINTAH COUNTY  
UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
LEASE NUMBER: U-67845

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Y Plat  
Y Bond: Federal [Y State [] Fee []  
 (Number 5547188)  
N Potash (Y/N)  
N Oil shale (Y/N)  
Y Water permit  
 (Number 3<sup>rd</sup> PARTY OWNED WELL)  
N RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
✓ R649-3-2. General.  
 \_\_\_ R649-3-3. Exception.  
 \_\_\_ Drilling Unit.  
 \_\_\_ Board Cause no: \_\_\_\_\_  
 \_\_\_ Date: \_\_\_\_\_

COMMENTS: WATER WILL BE PURCHASED FROM DWEN ANDERSEN

STIPULATIONS: \_\_\_\_\_

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 1-31-96

# MONUMENT BUTTE

T 1 W

R 1 E



T 4 S

T 8 S

T 9 S

R 16 E

R 17 E

DUCHESSNE COUNTY  
FIELD 105 ACTIVE



**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

July 11, 1994

**CONFIDENTIAL**

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

*BALCRON MONUMENT FEDERAL 32-25  
Sec 25 T8S R17E  
43-047-32524*

Gentlemen:

Enclosed are paleontological reports for the proposed wells on the enclosed list. Please consider these as a supplement to the Applications for Permit to Drill which have been submitted.

The archeological surveys have been completed and the reports will be submitted as soon as they are received.

Sincerely,

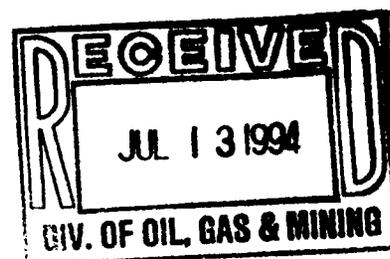
*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Utah Division of Oil, Gas and Mining



Balcron Monument Federal #12-25  
 SW NW Section 25, T8S, R17E  
 1486' FNL, 875.7' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,250'  
 GL 5062.1'

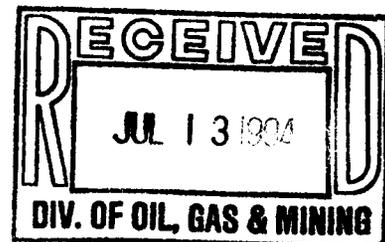
Balcron Monument Federal #13-25  
 NW SW Section 25, T8S, R17E  
 2253.6' FSL, 483.9' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,200'  
 GL 4977.9'

Balcron Monument Federal #21-25  
 NE NW Section 25, T8S, R17E  
 747.6' FNL, 1963.6' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,300'  
 GL 5060.4'

Balcron Monument Federal #23-25  
 NE SW Section 25, T8S, R17E  
 1926.8' FSL, 2138.6' FWL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,200'  
 GL 4991.9'

Balcron Monument Federal #31-25  
 NW NE Section 25, T8S, R17E  
 660' FNL, 1980' FEL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,300'  
 GL 5020.3'

Balcron Monument Federal #32-25  
 SW NE Section 25, T8S, R17E  
 1980' FNL, 1980' FEL  
 Uintah County, Utah  
 Field: Undesignated  
 FLS #U-67845  
 PTD: 6,250'  
 GL 5013.8'



Balcron Monument Federal #33-25  
NW SE Section 25, T8S, R17E  
2096.9' FSL, 2067.3' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845  
PTD: 6,150'  
GL 4971.5'

Balcron Monument Federal #42-26  
SE NE Section 26, T8S, R17E  
2100' FNL, 660' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845  
PTD: 6,250'  
GL 5036.7'

Balcron Monument Federal #41-26  
NE NE Section 26, T8S, R17E  
Uintah County, Utah  
1051.4' FNL, 581.9' FEL  
FLS #U-67845  
PTD: 6,400'  
GL 5,019.6'  
FOOTAGES AND GL CHANGED PER BLM 6/6/94.

**BALCRON OIL**

**Balcron Monument Federal #32-25  
SW NE Section 25, T8S, R17E, SLB&M  
Uintah County, Utah**

**PALEONTOLOGY REPORT  
WELLPAD LOCATION AND ACCESS ROAD**

**BY**

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

**JUNE 30, 1994**

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #32-25  
SW, NE Section 25, T8S, R17E, SLB&M, Uintah County, Utah.

Description of Geology and Topography-

This well is located 7 miles south and 5.5 miles east of Myton, Utah. It sits on a rather flat area with a gentle slope to the north. The wellpad area has a ground cover of sand and small angular rock fragments. The access road runs east from well #21-25, down off the east nose of a sandy ridge where it bifurcates, one road going north to well 31-25 and the other going south to this well, 32-25. South of the well pad is a rather sudden drop of 40 feet or so into a large drainage.

All rock outcrops in the general 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.

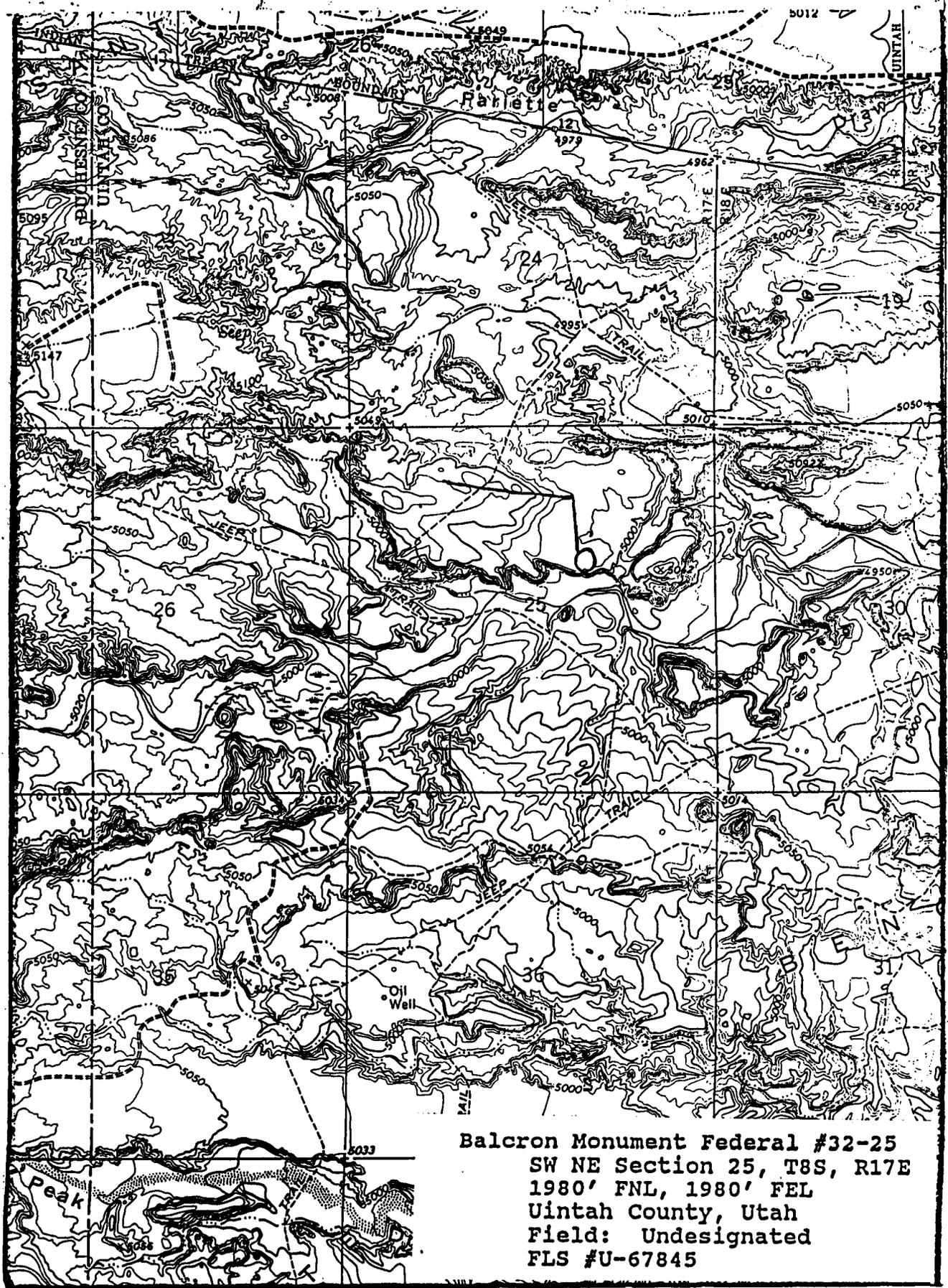
Paleontological material found -

No vertebrate fossils were found on the wellpad location or access road.

Recommendations-

No other recommendations are made for this location.

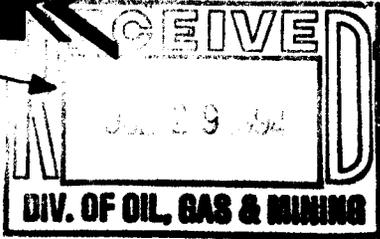
Albin A. Humblin Date July 1, 1994



Balcron Monument Federal #32-25  
SW NE Section 25, T8S, R17E  
1980' FNL, 1980' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION



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

July 22, 1994

FEDERAL  
23-25

**Subject:** Addendum to CULTURAL RESOURCE EVALUATION OF  
EIGHT PROPOSED WELLS IN THE PLEASANT VALLEY  
LOCALITY OF UINTAH COUNTY UTAH

**Project:** Balcron Oil Division - 1994 Development

**Project No.:** BLCR-94-5

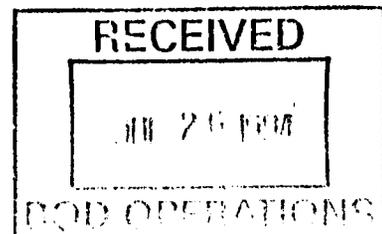
**Permit No.:** Dept. of Interior Permit No.: UT-94-54937

**Utah State  
Project No:** UT-94-AF-331b

**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



**ADDENDUM TO: BLCR-94-3**

On July 22, 1994, AERC archaeologists Glade Hadden and F. Richard Hauck returned to the Pleasant Valley locality to conduct an evaluation for Balcron Oil Division. Pursuant to report BLCR-94-3 (AERC project 1436, State Project No.: UT-94-AF-331b) cultural resource evaluation of an access route was required prior to the development of Balcron wells 23-25, 33-25, 13-25, 41-26 and 42-26. Evaluation of a re-route from the original was deemed necessary to avoid cultural site 42Un 1881. In addition to these access routes, subsurface testing of Site 42Un 2150 was accomplished in order to determine the potential significance of the site.

This project is situated in the Pleasant Valley locality of Uintah County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

Intensive evaluations consisted of the archaeologists walking a pair of 10 to 15 meter wide transects on each side of the proposed access route right of way. Thus, a 15 meter-wide or 50 foot-wide corridor (6.06 acres) was examined for the total ca. one mile (5280 foot) length of proposed access roads.

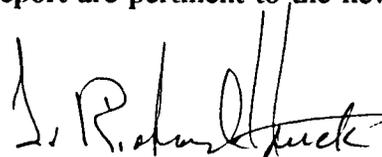
Subsurface testing of site 42Un 2150 was accomplished by placing two 15 x 20 cm trowel tests in the lithic scatter area within the proposed well 41-26 access road right of way.

No cultural resource loci or isolated artifacts of either historic or prehistoric affiliation were observed within the access route re-location.

AERC recommends that Site 42Un 1881 be avoided by utilizing the alternative road corridor evaluated to the north of the site as shown on the attached map.

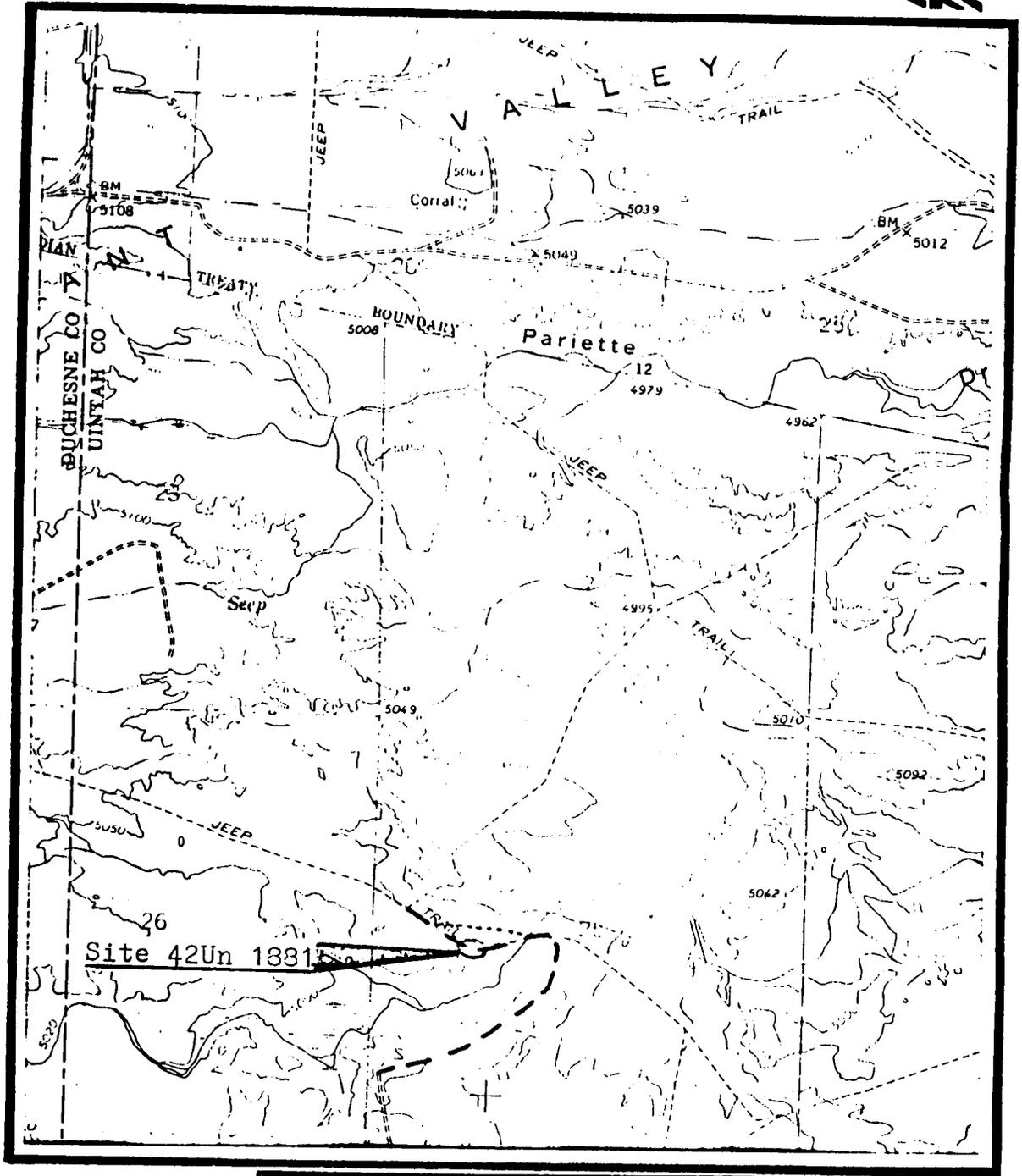
Trowel testing of Site 42Un 2150 revealed no subsurface artifacts or cultural strata. Bedrock and saprolite were encountered at ca. 10 to 15 cm. in both trowel test units. AERC recommends that Site 42Un 2150 be classified as not eligible for inclusion in the National Register. No further testing or excavation is recommended.

All recommendations defined within the original report are pertinent to the new access route.



F. Richard Hauck, Ph.D.  
Principal Investigator

AERK



T. 08 So.  
 R. 17 E.  
 Meridian: SLBM  
 Quad: Pariette  
 Draw SW, Utah

**MAP**  
 Cultural Resource Survey of  
 Proposed Balcron Access Road  
 and Alternative Route in the  
 Pleasant Valley Locality

**Legend:**  
 Proposed Route (dashed line)  
 Alternative Route (dash-dot line)  
 Cultural Site (circle)



**Project:** BLCR-94-5  
**Series:** Uinta Basin  
**Date:** 7/22/94  
**Scale:** 1:24,000





EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

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

CONFIDENTIAL

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 Monument Fed 20-25  
Sec 25 T8S R17E  
43-047-32524

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

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allottee or Tribe Name

n/a

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

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

TYPE OF ACTION

Notice of Intent

Subsequent Report

Final Abandonment Notice

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

(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.)\*

\*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  
Environmental Specialist

Date 8-10-94

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Do not yet have approved APDs (but they have been submitted)  
(continued)

Balcron Monument Federal #32-25 43-047-32524  
SW NE Section 25, T8S, R17E  
1980' FNL, 1980' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845

Balcron Monument Federal #33-25 43-047-32525  
NW SE Section 25, T8S, R17E  
2096.9' FSL, 2067.3' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845

Balcron Monument Federal #42-26 43-047-32531  
SE NE Section 26, T8S, R17E  
2100' FNL, 660' FEL  
Uintah County, Utah  
Field: Undesignated  
FLS #U-67845

Have approved State APD but not approved Federal APD

Balcron Monument Federal #41-26  
NE NE Section 26, T8S, R17E  
Uintah County, Utah  
1051.4' FNL, 581.9' FEL  
FLS #U-67845  
Undesignated Field  
API #43-047-32456

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  
API #43-047-32505

8/10/94  
/rs



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)

September 23, 1994

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

Re: Balcron Monument Federal #32-25 Well, 1980' FNL, 1980' FEL, SW NE, Sec. 25, T. 8 S., R. 17 E., Uintah County, Utah

Gentlemen:

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

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

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., 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. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

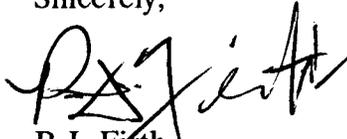
Page 2

Equitable Resources Energy Company  
Balcron Monument Federal #32-25 Well  
September 23, 1994

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

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 43-047-32524.

Sincerely,

A handwritten signature in black ink, appearing to read "R.J. Firth". The signature is stylized with a large initial "R" and a long horizontal stroke.

R.J. Firth  
Associate Director

ldc

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

WO11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-67845

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

7. UNIT AGREEMENT NAME  
n/a

8. FARM OR LEASE NAME  
Balcron Monument Federal

9. WELL NO.  
# 32-25

10. FIELD AND POOL, OR WILDCAT  
Undesignated/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 25 T8S, R17E

12. COUNTY OR PARISH  
Uintah

13. STATE  
UTAH

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER

SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
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  
SW NE Section 25, T8S, R17E 1980' FNL, 1980' FEL  
At proposed prod. zone

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

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  
6,250'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 5013.8'

22. APPROX. DATE WORK WILL START\*  
8/1/94

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 of exhibits.

RECEIVED  
JUN 13 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 June 10, 1994  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 ASSISTANT DISTRICT MANAGER MINERALS  
 APPROVED BY [Signature] DATE SEP 26 1994  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

U4080-4M-115

\*See Instructions On Reverse Side

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 32-25

API Number: 43-047-32524

Lease Number: U-67845

Location: SWNE Sec. 25 T. 8S 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. Pressure Control Equipment

The BOP and related equipment shall be a functionally operable 2M system installed and function tested prior to initiating drill out of any plugs.

#### 2. 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 zone, identified at  $\pm 3,210$  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  $\pm 3,010$  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 on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

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

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

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

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

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

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

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

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

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne 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 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 as listed for 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 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.

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.

# CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 32-25

API NO. 43-047-32524

Section 25 Township 8S Range 17E County UINTAH

Drilling Contractor UNION

Rig # 16

SPUDDED: Date 11/28/94

Time \_\_\_\_\_

How ROTARY

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

Reported by ODELL WILLIAMS

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

Date 11/28/94 SIGNED DWH

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

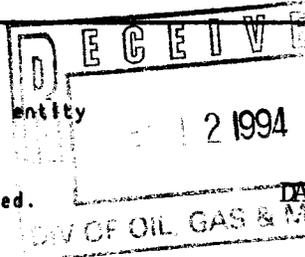
OPERATOR ACCT. NO. N 9890

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	11707	43-047-32524	Balcron Monument Federal #32-25	SW NE	25	8S	17E	Uintah	11-28-94	11-28-94
WELL 1 COMMENTS: Entity added 12-13-94. <i>pc</i> Spud of a new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

(3/89)

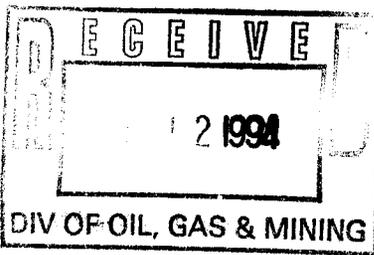


DATE: 11-29-94

*Bobbie Schuman*  
 Signature  
 Regulatory and Environmental Specialist  
 Title  
 Date  
 Phone No. (406) 259-7860

12-12-94

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



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

**CONFIDENTIAL**

1. Type of Well  
 Oil Well    Gas Well    Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: SW NE Section 25, T8S, R17E 1980' FNL, 1980' FEL  
 TD:

5. Lease Designation and Serial No.  
 U-67845

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

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

8. Well Name and No.  
 Balcron Monument Federal #32-25

9. API Well No.  
 43-47-32524

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

11. County or Parish, State  
 Uintah 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 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 11-28-94 at 5:00 p.m.

DEC 01 1994

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

Signed Sophie Schuman Title Regulatory and Environmental Specialist Date 11-29-94

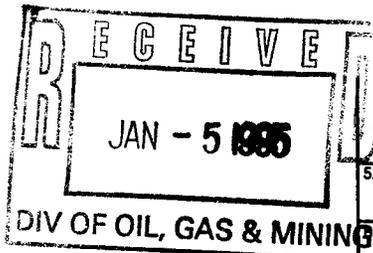
(This space for Federal or State office use)

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



FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993  
 5. Lease Designation and Serial No. U-67845  
 If Indian, Allottee or Tribe Name

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

**CONFIDENTIAL**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SURFACE: SW NE Section 25, T8S, R17E 1980' FNL, 1980' FEL  
 TD:

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

8. Well Name and No.  
Balcron Monument Federal #32-25

9. API Well No.  
43-47-32524

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

11. County or Parish, State  
Utah 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 12-31-94 at 1 p.m.

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

Signed Lois Schuman Title Regulatory and Environmental Specialist Date 1-3-95  
(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**

# UTAH DIVISION OF OIL, GAS AND MINING EQUIPMENT INVENTORY

Operator: Equitable Resources Lease: State: \_\_\_ Federal:  Indian: \_\_\_ Fee: \_\_\_

Well Name: BMF 32-25 API Number: 43-047-32524

Section: 25 Township: 8S Range: 17E County: Uintah Field: Undesignated

Well Status: POW Well Type: Oil:  Gas: \_\_\_

PRODUCTION LEASE EQUIPMENT:  CENTRAL BATTERY: \_\_\_

Well head    \_\_\_ Boiler(s)    \_\_\_ Compressor    \_\_\_ Separator(s)  
 Dehydrator(s)    \_\_\_ Shed(s)    \_\_\_ Line Heater(s)    \_\_\_ Heated Separator  
 VRU     Heater Treater(s)

PUMPS:  
 Triplex    \_\_\_ Chemical     Centrifugal

LIFT METHOD:  
 Pumpjack    \_\_\_ Hydraulic    \_\_\_ Submersible    \_\_\_ Flowing

GAS EQUIPMENT:

Gas Meters    \_\_\_ Purchase Meter    \_\_\_ Sales Meter

TANKS:	NUMBER	SIZE	
	<u>2</u>	<u>400</u>	BBLS
	Oil Storage Tank(s)		BBLS
	Water Tank(s)		BBLS
	Power Water Tank		BBLS
	Condensate Tank(s)		BBLS
	<input checked="" type="checkbox"/> Propane Tank		

REMARKS: Oil storage tanks have burners. Tank bottoms go to reserve pit but 2 wire topped steel pit tank is ready to put in place when reserve pit is reclaimed.

Location central battery: Qtr/Qtr: \_\_\_ Section: \_\_\_ Township: \_\_\_ Range: \_\_\_

Inspector: David W. Sheffield Date: 1/23/95

Equitable

BM# 32-25

43-047-32524

Month  
↑

Berm

400  
Barrel  
Production  
Tank

400  
Barrel  
Production  
Tank

Reserve Pit

Heater  
Treater

Propane

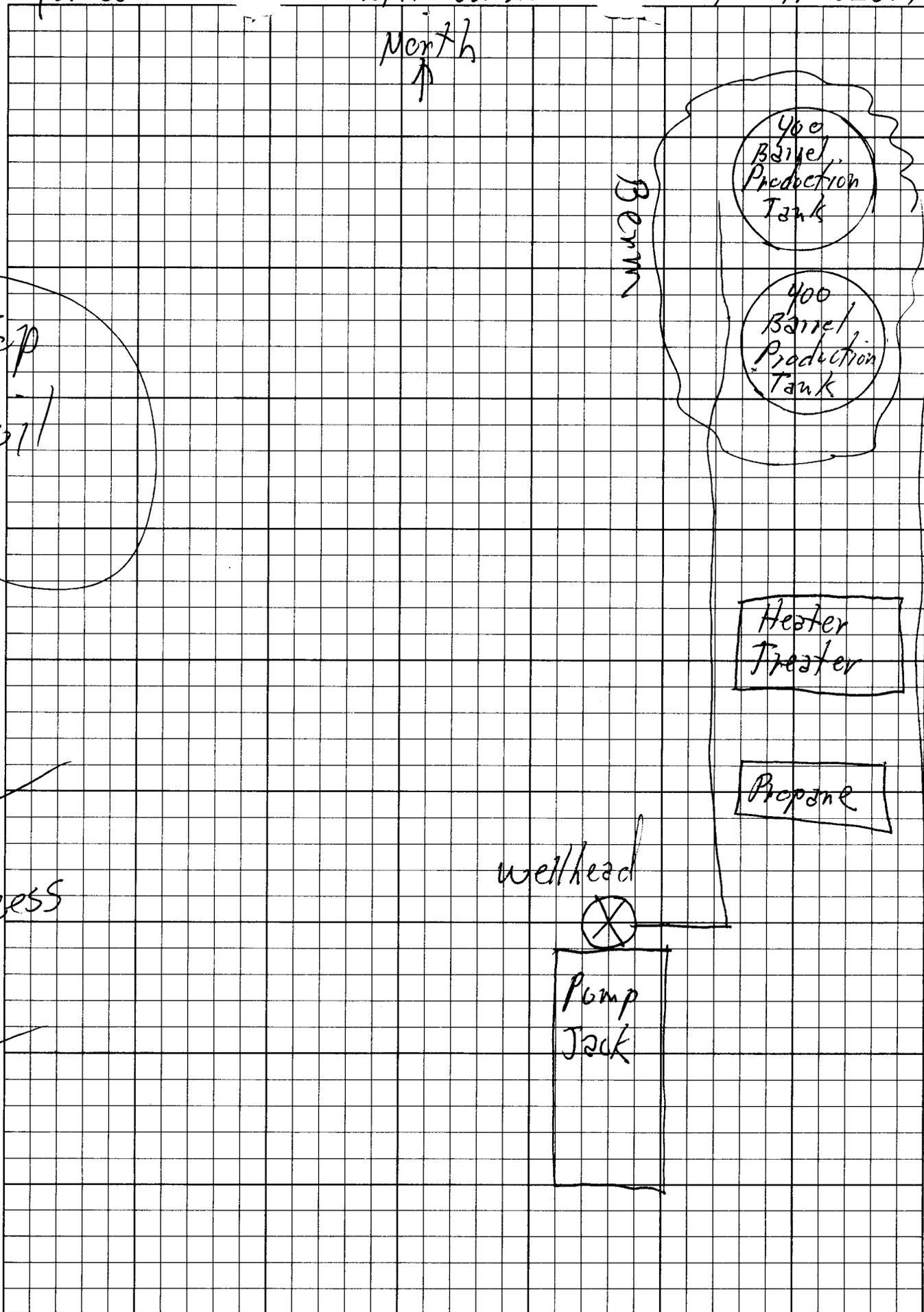
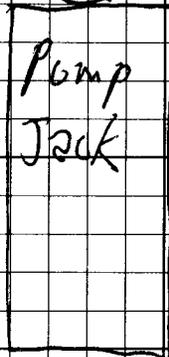
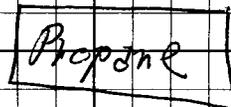
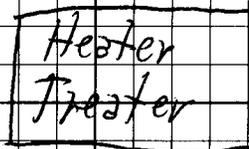
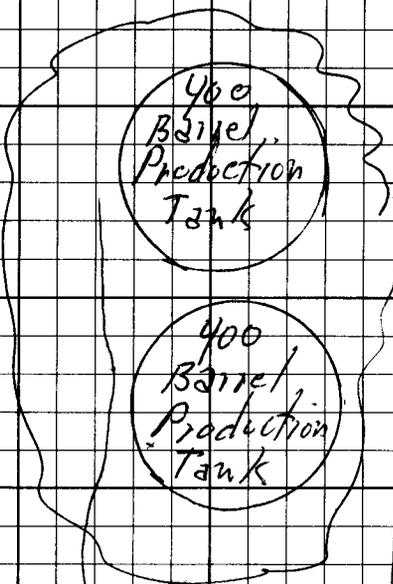
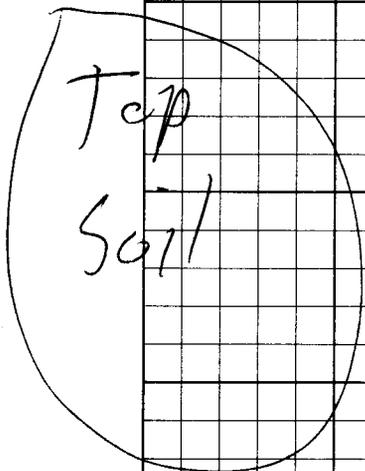
wellhead



Pump  
Jack

Top  
Soil

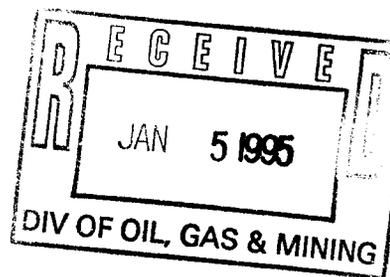
Access



GEOLOGICAL WELLSITE REPORT

Balcron Oil Company  
Monument Federal No. 32-25  
SWNE Sec. 25-T8S-R17E  
Uintah County, Utah

43.047-32524



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

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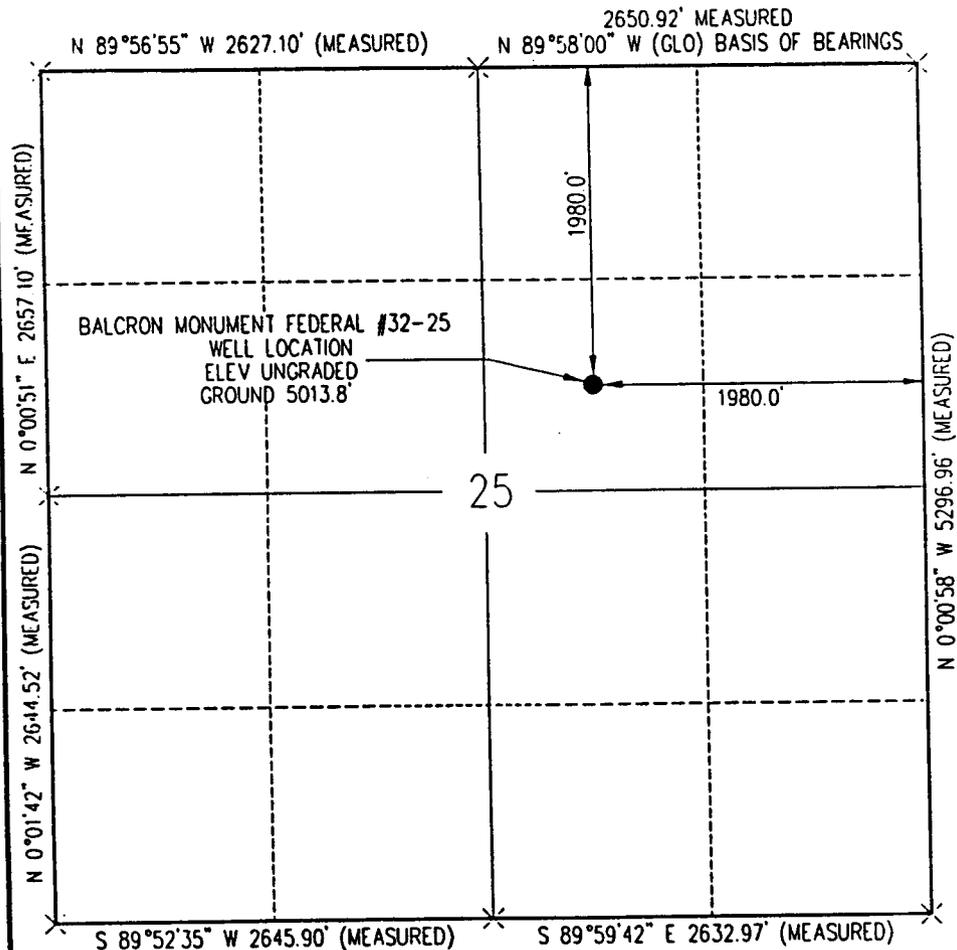
	<u>Page</u>
Location Plat	1
Data Sheet	2
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Compensated Neutron- Litho-Density Logs	4-7
Penetration Chart	8
Bit Record	9
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Well History	10
Sample Description	11-21
Penetration Log	In Pocket

T8S, R17E, S.L.B. & M.

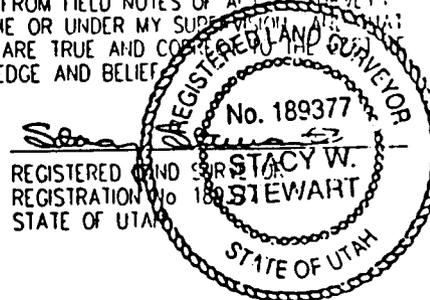
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #32-25, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 25, T8S, R17E, S.L.B. & M. UTAH COUNTY, UTAH.

EXHIBIT "K"



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



REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

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

WEATHER: SUNNY & HOT  
DATE: 5/26/94  
SCALE: 1" = 1000'  
SURVEYED BY: SS CB  
FILE: MF #32-25





FORMATION TOPS

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>Reference Well*</u>
TERTIARY			
Unita	Surface		
Green River	1790	+3235	12' Low
Horse Bench Sand	2720	+2305	
2nd Garden Gulch	4264	+ 761	2' Low
Y Stray Sand	4338	+ 687	
Y-2 Sand	4550	+ 475	
Yellow Marker	4869	+ 156	2' Low
Douglas Creek	5038	- 13	2' Low
R-1 Sand	5102	- 77	
R-2	5138	- 113	
R-5 Sand	5220	- 195	
2nd Douglas Creek	5303	- 278	5' Low
G-1 Sand	5391	- 366	
Green Marker	5435	- 410	21' High
G-5 Sand	5580	- 555	
Carbonate Marker	5873	- 849	26' High
B-1 Sand	5938	- 913	6' High
B-2 Sand	5973	- 948	
TOTAL DEPTH:			
Driller	6250		
Logger	6255		

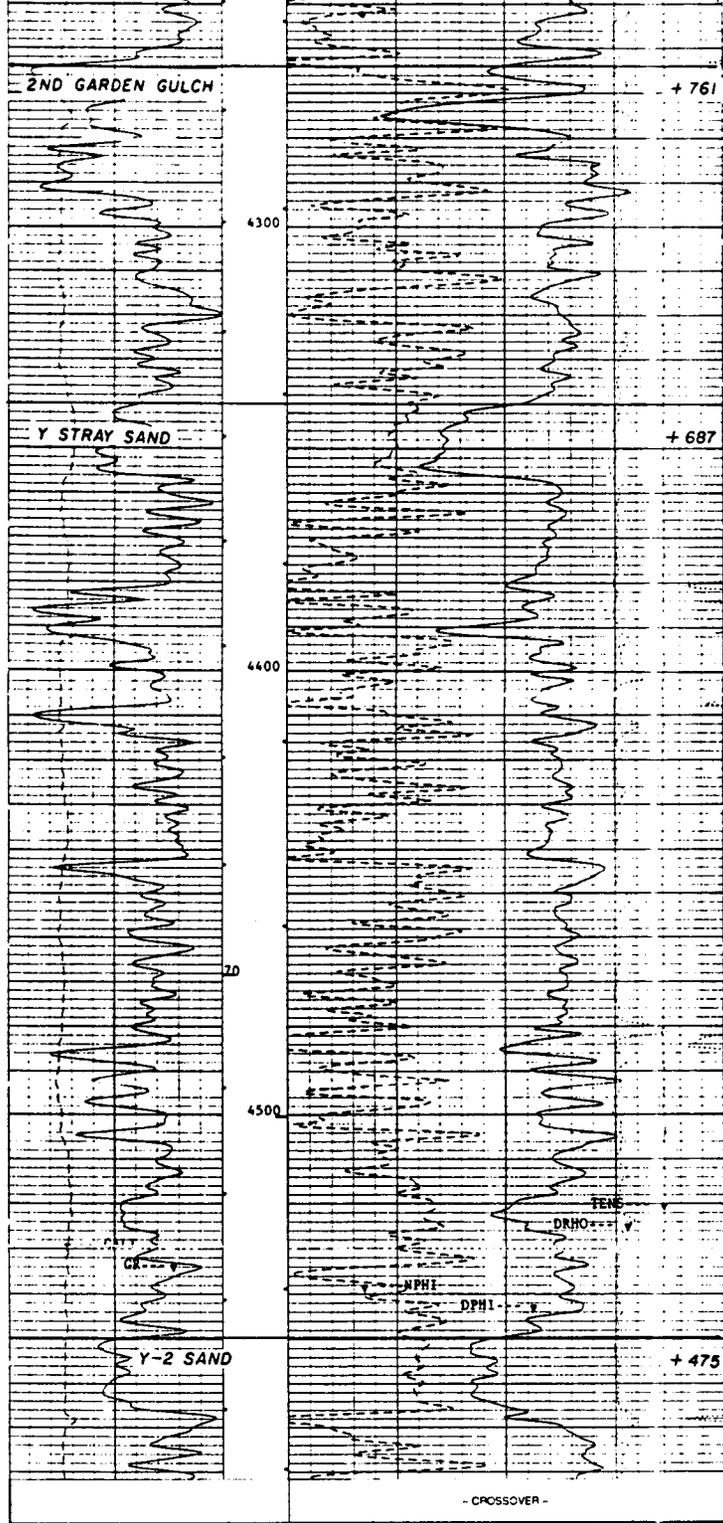
Penetration log correlation with Schlumberger logs confirms  
 Logger's depths are 4-7 feet deeper.

\* Reference Well

BMF No. 11-25  
 NWNW Sec. 15-T8S-R17E  
 Uintah County, Utah

SIMULTANEOUS  
**Schlumberger** COMPENSATED NEUTRON LITHO-DENSITY

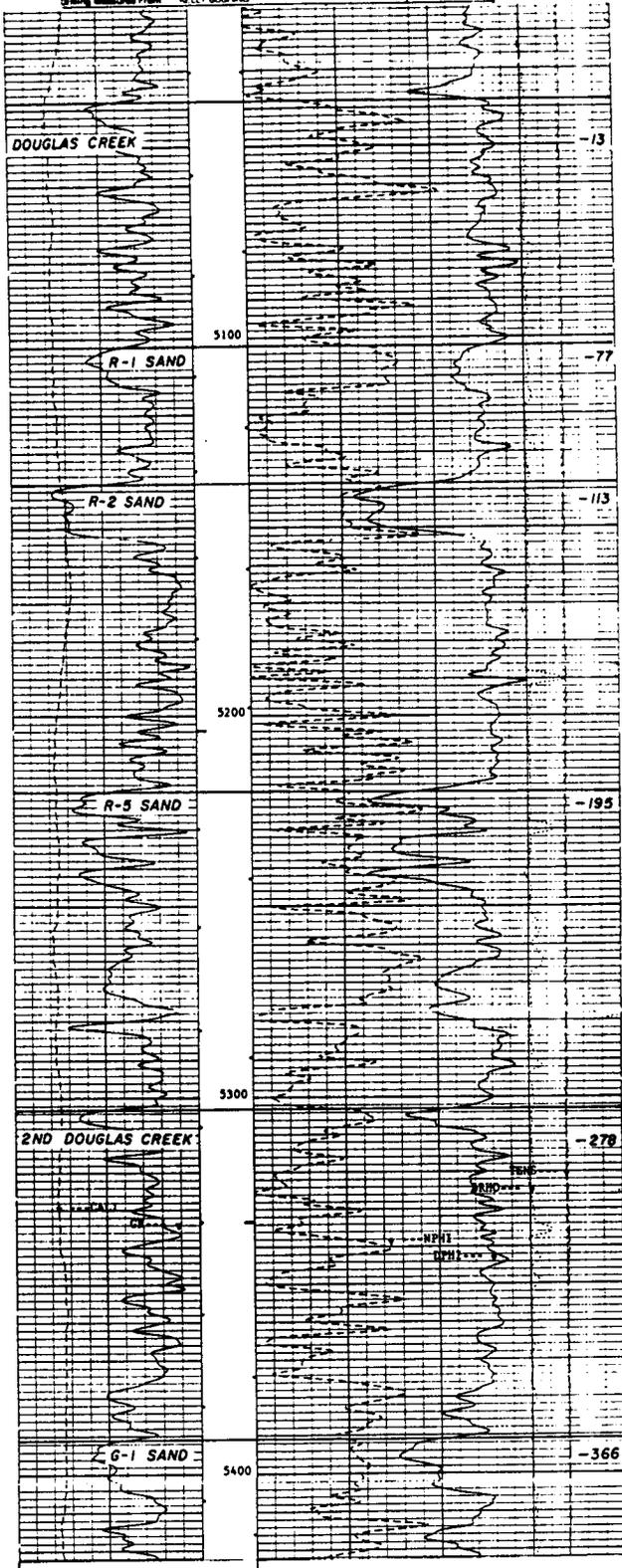
COMPANY		BALCRON OIL COMPANY	
WELL		MONUMENT FEDERAL #32-25	
FIELD		MONUMENT BUTTE	
COUNTY	UINTAH	STATE	UTAH
1980 F.M. & 1980 F.E.L.		Other Services: DL CNL, LDT	
API SERIAL NO		SECT	TWP
N.A.		25	8 S
		RANGE	17 E
Permanent Datum	GROUND LEVEL Elev	5013.0 F	
Log Measured From	KELLY BUSHING	12.0 F above Perm. Datum	
Drilling Measured From	KELLY BUSHING		
		Elev.: K.B. 5025.0 F	
		D.F. 5024.0 F	
		G.L. 5013.0 F	



<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">CALVIN</td> <td style="width: 50%;">16 000</td> </tr> <tr> <td>GRAPh</td> <td></td> </tr> </table>	CALVIN	16 000	GRAPh		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">10000</td> <td style="width: 50%;">00</td> </tr> <tr> <td>DRHO</td> <td></td> </tr> <tr> <td>2500</td> <td>25000</td> </tr> <tr> <td>70000</td> <td>30000</td> </tr> <tr> <td>DPHI</td> <td></td> </tr> <tr> <td>30000</td> <td>000</td> </tr> </table>	10000	00	DRHO		2500	25000	70000	30000	DPHI		30000	000
CALVIN	16 000																
GRAPh																	
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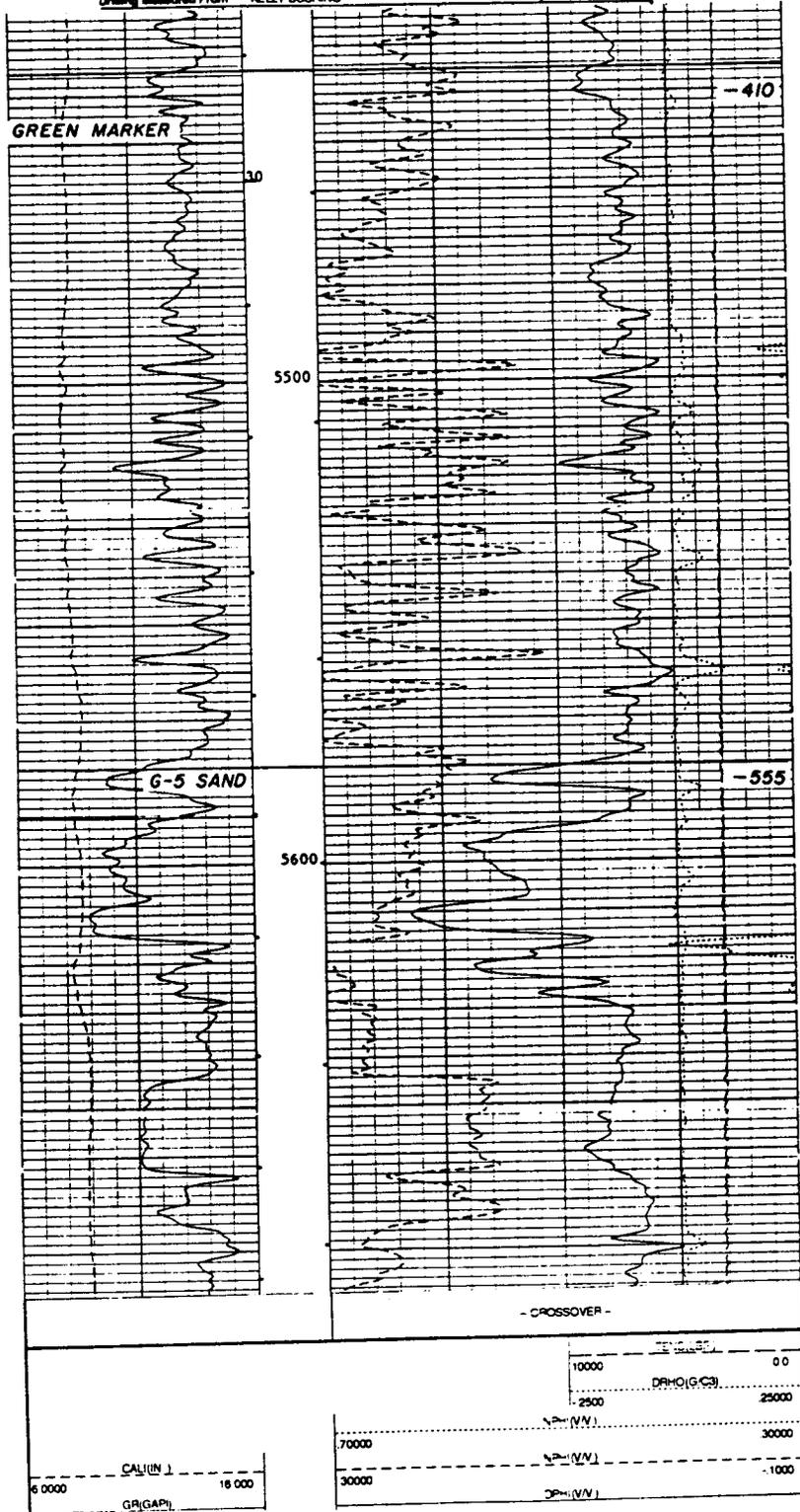
S.M. TATEOUS  
**Schlumberger COMPENSATED NEUTRON-LITHO-DENSITY**

COMPANY **BALCRON OIL COMPANY**  
 WELL **MONUMENT FEDERAL #32 25**  
 FIELD **MONUMENT BUTTE**  
 COUNTY **UINTAH** STATE **UTAH**  
 1987 FNL & 1989 FEL  
 SW/NE  
 API SERIAL NO. **N/A** SECT. **25** TWP. **8 S** RANGE **17 E**  
 Permanent Datum **GROUND LEVEL** Elev. **3013.0 F** Elev. **4.8 3025.8 F**  
 Log Measured From **ROILY BUBBLING** **12.0 F** above Perm. Datum **DF 3028.0 F**  
 Drilling Measured From **ROILY BUBBLING** **12.0 F** **GL 3013.0 F**



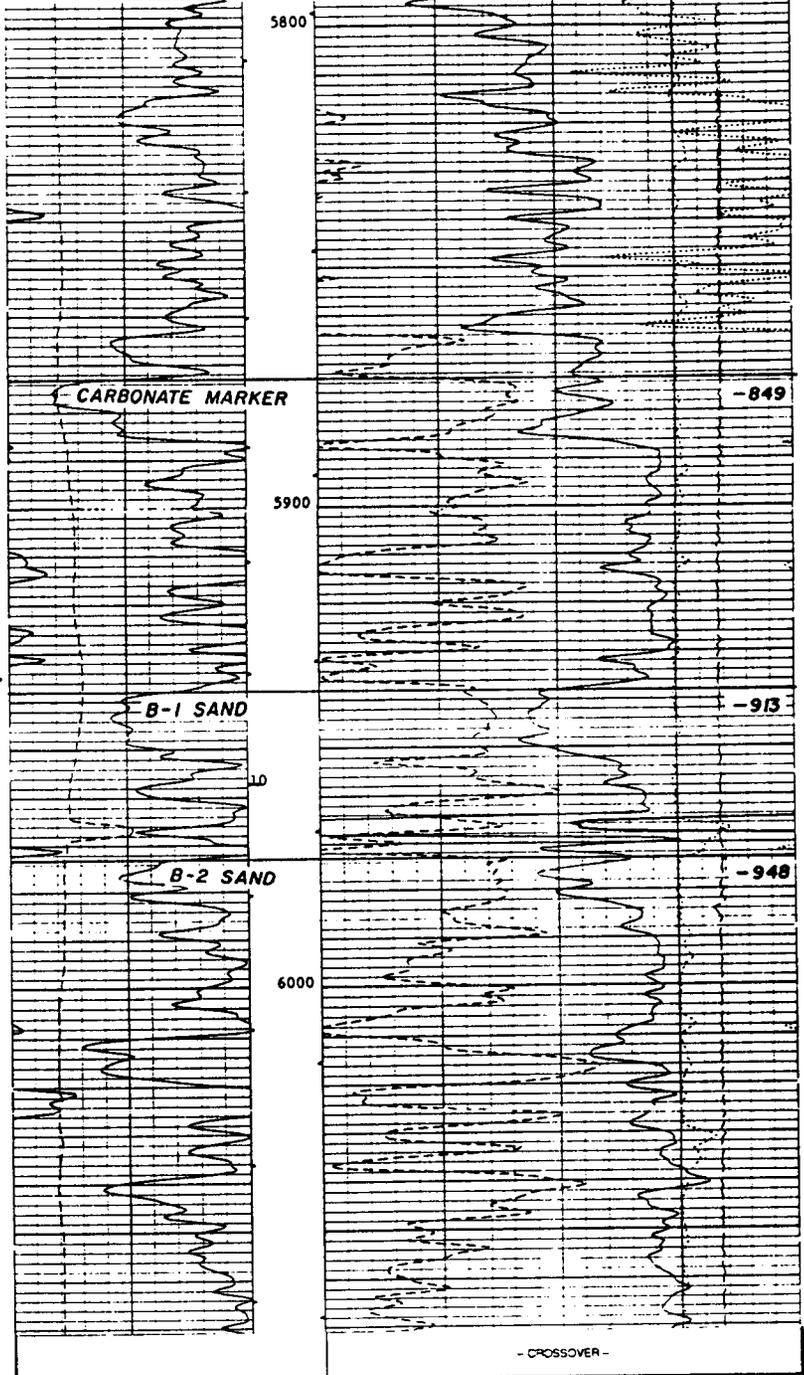
10000	0.0
2500	DPHI (G/CC)
25000	
70000	NPHI (N/V)
30000	NPHI (N/V)
10000	DPHI (N/V)
30000	DPHI (N/V)
10000	0.0
18000	
0.0	0.0
150.00	

<b>SIMULTANEOUS</b>		<b>COMPENSATED NEUTRON-LITHO-DENSITY</b>	
<b>Schlumberger</b>			
<b>COMPANY</b> BALCRON OIL COMPANY		<b>WELL</b> MONUMENT FEDERAL #32-25	
<b>FIELD</b> MONUMENT BUTTE		<b>COUNTY</b> Uintah <b>STATE</b> UTAH	
<b>LOCATION</b> 1987 F.N.L. & 1987 F.E.L.		<b>Other Services:</b> D.L.L. OK, L.D.T.	
<b>SW/NE</b>		<b>API SERIAL NO.</b> N/A	
<b>SECT.</b> 25		<b>TWP.</b> 8 S	
<b>RANGE</b> 17 E		<b>Elev.:</b> 5013.0 F	
<b>Permanent Datum</b> GROUND LEVEL		<b>Log Measured From</b> KELLY BUSHING 12.0 F above Perm. Datum	
<b>Drilling Measured From</b> KELLY BUSHING		<b>Elev.:</b> K.B. 5025.0 F O.P. 5024.0 F O.L. 5013.0 F	



S U T A H  
**Schlumberger**      **COMPENSATED NEUTRON-LITHO-DENSITY**

<b>COMPANY</b> BALCRON OIL COMPANY	
<b>WELL</b> MONUMENT FEDERAL #32-25	
<b>FIELD</b> MONUMENT BUTTE	
<b>COUNTY</b> UTAH	<b>STATE</b> UTAH
1980 F.N.L. & 1980 F.E.L.	
SW/NE	
<b>API SERIAL NO.</b>	<b>SECT.</b> <b>TWP.</b> <b>RANGE</b>
N/A	25    8 S    17 E
<b>Permanent Datum</b>	<b>GROUND LEVEL Elev.</b> 5013.0 F
<b>Log Measured From</b>	<b>KELLY BUSHING</b> 12.0 F above Perm. Datum
<b>Drilling Measured From</b>	<b>KELLY BUSHING</b>
<b>Other Services:</b> OIL QUALITY	
Elev.: K.B. 4025.0 F D.F. 3024.0 F O.L. 3013.0 F	

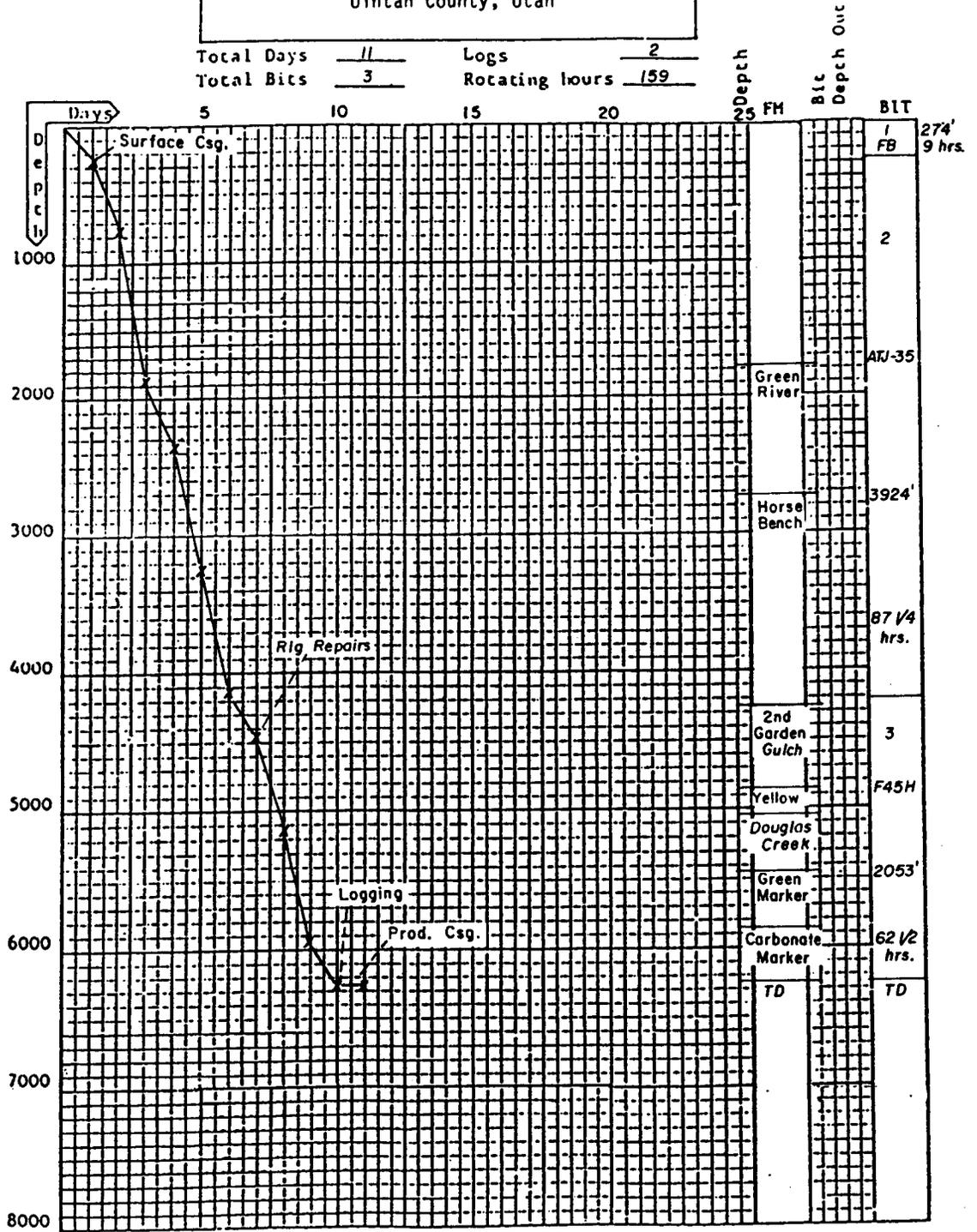


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CALI (IN.)	16 000														
GR (GAPI)	150.00														
10000	0.0														
DRHO (G/CC)	25000														
NPHI (VV)	30000														
NPHI (VV)	1000														
DPHI (VV)	1000														

PENETRATION CHART

Balcron Monument Federal No. 32-25  
 SWNE Sec. 15-T8S-R17E  
 Uintah County, Utah

Total Days 11      Logs 2  
 Total Bits 3      Rotating hours 159



PRINTED IN U. S. A.

# BIT RECORD

COUNTY <b>UINTAH</b>		FIELD <b>MONUMENT BUTTE</b>		STATE <b>UTAH</b>		SECTION <b>25</b>		TOWNSHIP <b>B SOUTH</b>		RANGE <b>17 EAST</b>		LOCATION <b>SW NE (1980' fnl-1980 fcl)</b>		WELL NO. <b>FEDERAL 32-25</b>					
CONTRACTOR <b>UNION DRILLING CO.</b>				RIG NO. <b>16</b>		OPERATOR <b>BALCROON OIL COMPANY</b>				TOOLPUSHER <b>JEFF WHITE</b>		SALESMAN <b>BRAUNNS, ARTHUR, ATCH</b>							
SPUD <b>5:00 PM</b>		UNDER SURF. <b>7:00 PM</b>		UNDER INTER.		SET SAND ST.		REACHED T.O. <b>4:00 PM</b>		PUMP NO. 1 <b>GARDNER DENVER FXN 6" x 14"</b>		PUMP NO. 2		PUMP POWER <b>TWIN 671 GMC KCL WA</b>					
11-28-94		11-29-94				12-7-94													
DRILL PIPE <b>4 1/2 XH</b>		TOOL JOINTS <b>6 1/4"</b>		SIZE <b>16.60</b>		TYPE <b>Grade X</b>		O.D.		DRILL COLLARS <b>16</b>		O.D. <b>6 1/4"</b>		I.D. <b>2 1/4"</b>		LENGTH <b>496.65</b>		DRAWWORKS POWER <b>3400 CAT</b>	

NO.	SIZE	MAKE	TYPE	JET 3/20 IN	SERIAL	DEPTH OUT	FEET	HOURS	FT/HR	ACCUM DRLO NRS.	WT. 1000 LBS.	R P M	VERT DEV.	PUMP PRESS	PUMP OPERATION	S P M		MUD			DULL. COND.				FORMATION REMARKS						
																1	2	WT.	VIS.	W.L.	T	B	G	OTHER							
1	12 1/4"	STC	FB		RENTAL	283	274	9	30.4	9	5/25	20/30		170																	
2	7 7/8"	HTC	ATJ-35C	3-11	684WS	4207	3924	87 1/4	45.0	96 1/2	40	70	2 1/2°	1100		46															Left Spool
3	7 7/8"	STC	F45H	3-11	481348	6250	2053	62 1/2	32.8	158	40	60	1°	1100		46															
<b>DEVIATION SURVEYS</b>																															
	500	1°		2500	1°		5000	1°																							
	1000	1 1/2°		3000	1 3/4°		5500	2°																							
	1500	1 1/2°		3500	2°		6250	1°																							
	2000	1 3/4°		4000	2 1/2°																										

WELL HISTORY

<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>Operation</u>	<u>Daily Activity Previous 24 hrs. (6AM-6AM)</u>
1	11/29 1994	283	WOC	Move S rig up. Drill rat hole. Drill 17½" hole to 19' S set 13 3/8" conductor. Nipple up. Spud 12¼" surface 11/28/94 @ 2:30 PM. Drill from 19-283'. Made 264' in 7 hrs. Circulate. Trip out. Nipple down. Run 6 jts 8 5/8" casing S cement w/200 sxs. Plug down @ 9:00 AM 11/29/94. WOC.
2	11/30	765	Drilling	WOC. Cut off casing S weld on head. Nipple up BOPs. Test BOPs to 2000 psi - casing 1500 psi, O.K. Pick up DCs. Trip in Bit 2. Drill cement, float S shoe - 2 hrs. Drill out from under surface 11/29/94 @ 7:00 PM. Drill S survey from 283-765'. Made 402' in 10¼ hrs.
3	12/1	1870	Drilling	Drill S survey from 765-1870'. Made 1105' in 20 3/4 hrs.
4	12/2	2327	Tripping	Drill from 1870-2327'. Made 457' in 9 hrs. Pump shaft broke. Trip out 10 stands. WOP. Replace pump. Trip in - 14 hrs.
5	12/3	3265	Drilling	Drill S survey from 2327-3265'. Made 938' in 22½ hrs.
6	12/4	4115	Drilling	Drill S survey from 3265-4115'. Made 850' in 22¼ hrs.
7	12/5	4416	Drilling	Drill to 4207'. Trip for Bit 3. Left spear point S bearings in hole. Trip in magnet. Fishing. Trip out. Trip in Bit 3. Wash S ream - 2 hrs. Drill from 4207-4416'. Made 301' in 10 3/4 hrs.
8	12/6	5130	Drilling	Drill S survey from 4416-5130'. Made 714' in 22¼ hrs.
9	12/7	5913	Drilling	Drill S survey from 5130-5913'. Made 783' in 23 hrs.
10	12/8	6250	Testing	Drill S survey from 5913-6250'. Made 337' in 9½ hrs. Reached T.D. @ 4:00 PM, 12/7/94. Circulate. Trip out. Rig up loggers. Logging - 4 hrs. Pressure testing - 1 hr.
11	12/9	6255		Pressure testing - 6 hrs. Rig down. Trip out hole. Lay down drill pipe S drill collars. Rig up to run casing. Run 149 jts, 5½" casing. Cement w/520 sxs. Plug down @ 4:50 AM, 12/9/94. Rig released @ 9:00 AM, 12/9/94.

Balcron Monument Federal No. 31-25  
SWNE Sec. 25-T8S-R17E  
Uintah County, Utah

SAMPLE DESCRIPTION

Geologist on wellsite at 1500 feet. 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' 1700-4400  
20' 4400-6250

1700-1750 Sandstone, very fine-fine grained, occasionally medium grained, primarily clear and light grayish white loose quartz grains, fair-good sorting, sub-rounded to sub-angular; streaks Shale, light to medium gray, gray-green, sub-waxy.

GREEN RIVER 1790 (+3235)

1750-1800 Shale, light gray, gray-green, brown, sub-waxy; streaks Sandstone, as above; streaks Limestone, earthy, tan, cream-tan, slightly argillaceous; trace Shale, reddish brown, chunky, dolomitic - Oil Shale.

1800-1850 Shale, as above; streaks Dolomite, cryptocrystalline, brown, reddish brown, argillaceous; grades to a dolomitic Shale - Oil Shale; streaks Sandstone, very fine-fine grained, light gray, clear, sub-rounded, fair sorting, loose quartz grains.

1850-1900 Shale, medium gray, chunky, sub-waxy; influx Sandstone, very fine grained, occasionally fine grained, light gray, gray-tan, sub-angular, fair-good sorting, appears primarily tight, streaks poor porosity; light brown-brown stain, bright yellow fluorescence, fairly slow but strong persistent yellow cut; some free oil in samples and in mud system; gas peak @ 1895.

1900-1950 Shale, tan, brown, chunky, sub-blocky, dolomitic - Oil Shale; occasional streaks Dolomite, cryptocrystalline, tan, light brown, argillaceous - Oil Shale.

1950-2050 Shale, tan, reddish tan, brown, chunky, dolomitic; streaks Dolomite, as above - Oil Shale.

2050-2100 Shale, brown, gray-brown, blocky, chunky, dolomitic, limey streaks; grades to shaley Limestone - Oil Shale.

2100-2200 Shale, reddish brown, brown, gray-brown, chunky, blocky, dolomitic in part, moderately calcareous;

- grades to Marl; @ 2150 streaks Limestone, microcrystalline, bright tan, earthy, argillaceous - Oil Shale.
- 2200-2250 Shale, bright tan, light brown, reddish brown, blocky, chunky, dolomitic; grades to Marl - Oil Shale.
- 2250-2300 Shale, gray-brown, bright tan, chunky, limey, dolomitic in part; grades to a Marl; streaks Limestone, earthy, bright tan, argillaceous - Oil Shale.
- 2300-2350 Shale, reddish brown, chunky, moderately calcareous, dolomitic streaks; grades to Marl; streaks Limestone, as above - Oil Shale.
- 2350-2400 Shale, brown, gray-brown, reddish brown, chunky, dolomitic, limey streaks - Oil Shale; increased Limestone, earthy, tan, cream, argillaceous-shaley; streaks Shale, medium gray, chunky.
- 2400-2450 Shale, dark reddish brown, blocky, chunky, dolomitic; grades to Marl - Oil Shale.
- 2450-2550 Shale, dark brown, blocky, chunky - Oil Shale; streaks Limestone, earthy, cream, light tan, very argillaceous, soft.
- 2550-2600 Marl, earthy, tan; grades to shaley Limestone; Shale, as above - Oil Shale.
- 2600-2700 Shale, as above, platy, blocky, chunky, dolomitic - Oil Shale; Marl, as above.
- HORSE BENCH SAND 2720 (+2305)
- 2700-2750 Limestone, earthy, cream, light tan, very argillaceous, soft; streaks Shale, light gray, gray, chunky, silty and sandy streaks; Shale, gray-brown, tan, brown, dolomitic - Oil Shale.
- 2750-2800 Shale, cream-tan, sub-platy, blocky, very silty and sandy in part, limey streaks; grades to a Marl.
- 2800-2850 Shale, as above; streaks Limestone, cream, tan, argillaceous-shaley; Shale, dark reddish brown, dark brown, dolomitic - Oil Shale.
- 2850-2950 Shale, brown, dark brown, sub-platy, petroliferous - Oil Shale; streaks Limestone, earthy, tan, light brown, argillaceous-shaley - Oil Shale; @ 2900 increased Limestone, as above.
- 2950-3000 Shale, bright tan, blocky, dolomitic; streaks Shale, dark brown, sub-platy, moderately calcareous; grades to

- limey Shale - Oil Shale.
- 3000-3050 Shale, dark brown, bright tan, dolomitic - Oil Shale.
- 3050-3150 Shale, as above; streaks Marl, bright tan, calcareous - Oil Shale.
- 3150-3200 Limestone, cryptocrystalline, bright tan, brown, argillaceous; grades to calcareous Shale - Oil Shale.
- 3200-3250 Shale, bright tan, reddish tan, very dolomitic; Shale, dark gray-brown, platy - Oil Shale.
- 3250-3300 Shale, gray, gray-tan, gray-brown, dolomitic and calcareous, silty; grades to Marl - Oil Shale; streaks Sandstone, very fine grained, light gray, clear, fair sorting, few scattered gray accessory minerals, no show; trace Shale, gray-green, chunky, silty, dolomitic.
- 3300-3350 Sandstone, very fine-fine grained, light grayish white, tan, fair-good sorting, sub-angular, occasionally medium grained, poorly sorted, scattered dark gray accessory grains, friable streaks, possible poor porosity; pale tan stain, faint dull yellow fluorescence, fair bright whitish yellow cut.
- 3350-3400 Shale, light gray, tan, cream, dolomitic and calcareous, very silty in part; Sandstone, as above; trace stain, fluorescence and cut, as above.
- 3400-3450 Shale, bright tan, brown, reddish tan, flakey, dolomitic, soft - Oil Shale.
- 3450-3500 Shale, as above; influx Shale, medium gray, gray-tan, brown, chunky, dolomitic and calcareous, silty, pyritic - Oil Shale.
- 3500-3550 Shale, light to medium gray, gray-green, chunky, silty, dolomitic in part; streaks Siltstone-very fine grained Sandstone, occasionally medium grained, poorly sorted, slightly calcareous, primarily contact silica cement, appears tight; trace pale tan questionable stain, trace dull yellow fluorescence, slow light yellow cut - cavings?
- 3550-3600 Sandstone, very fine grained, grayish white, pale tan, silty, good sorting, sub-angular to sub-rounded; trace stain, fluorescence and cut, as above; Shale, pale gray, cream-light gray, gray-tan, brown, platy, chunky, silty - Oil Shale.
- 3600-3700 Shale, brown, dark brown, gray-brown, platy, moderately

calcareous and dolomitic; grades to shaley Limestone - Oil Shale.

- 3700-3750 Shale, reddish tan, cream-tan, blocky, dolomitic, limey streaks; grades to Marl - Oil Shale; occasional streaks Limestone, microcrystalline, tan, cream, earthy, argillaceous.
- 3750-3800 Limestone, microcrystalline, cream, tan, pellets in earthy matrix; grades to Marl; streaks Shale, medium gray, gray-tan, dolomitic; grades to Marl - Oil Shale.
- 3800-3850 Shale, gray, light gray-cream, gray-tan, platy, very dolomitic; grades to shaley Dolomite - Oil Shale.
- 3850-3900 Shale, as above - Oil Shale; streaks Dolomite, micro-sucrosic, microcrystalline, light brown, argillaceous; grades to Marl.
- 3900-4000 Shale, light-medium gray, chunky, blocky, dolomitic; grades to Marl - Oil Shale; streaks Limestone, microcrystalline, cream, tan, earthy, argillaceous.
- 4000-4050 Shale, dark brown, gray-brown, brown, sub-platy, chunky - Oil Shale; streaks Limestone, earthy, brown, argillaceous.
- 4050-4100 Limestone, cryptocrystalline, bright tan, argillaceous to shaley, dolomitic; Shale, gray-brown, sub-platy, dolomitic - Oil Shale.
- 4100-4150 Limestone, earthy, cream, argillaceous; streaks Shale, gray, dark brown, platy, dolomitic - Oil Shale.
- 4150-4250 Shale, pale gray, green, sub-waxy, calcareous and dolomitic; streaks Limestone, as above - Oil Shale.
- 4150-4300 Marl, tan, reddish brown, argillaceous, very dolomitic; streaks Shale, brown, platy, chunky, dolomitic; trace Limestone, earthy, cream, argillaceous.
- 4300-4350 Sandstone, very fine-fine grained, tan, light brown, sub-rounded, well sorted, streaks poor sorting, friable, streaks fair-good porosity; even light brown, brown stain, dull to light yellow fluorescence with greenish cast, good instant light yellow cut; streaks Shale, as above.
- 4350-4400 Shale, medium gray, gray-green, gray-brown, sub-waxy, silty in part; streaks Shale, as above; abundant loose very fine-fine grained clear and grayish white quartz grains, well sorted, sub-angular to sub-rounded.

- 4400-4420 Shale, as above, silty in part; streaks Limestone, cryptocrystalline, bright tan, cream, earthy, argillaceous; streaks Shale, reddish brown, chunky, blocky, dolomitic.
- 4420-4440 Shale, pale green, pale gray, gray-green, waxy, silty.
- 4440-4460 Shale, medium gray, gray-green, waxy, silty, slightly calcareous; streaks Siltstone, light grayish white, argillaceous, slightly calcareous, tight.
- 4460-4480 Shale, as above; influx Shale, brown, gray-brown, sub-platy, waxy in part.
- 4480-4520 Shale, brown, platy, slightly calcareous; Shale, gray, gray-green, platy; streaks Limestone, cryptocrystalline, tan, earthy, argillaceous.
- 4520-4540 Shale, pale gray, sub-waxy, silty; streaks Siltstone, light grayish white, argillaceous, slightly calcareous.
- 4540-4560 Sandstone, very fine grained, occasionally fine grained, brown, good sorting, sub-angular, friable, streaks fair-good porosity, even dark brown and black stain, faint dull yellow fluorescence with greenish cast, instant fairly slow bright persistent cut; Shale, as above.
- 4560-4600 Shale, medium gray, gray-green, sub-platy, waxy; streaks Siltstone-very fine grained Sandstone, light grayish white, argillaceous, slightly calcareous, appears tight.
- 4600-4660 Shale, gray-green, waxy, silty in part; Shale, as above.
- 4660-4680 Shale, as above, becomes very silty in part; increased Shale, brown, dark gray-brown, sub-platy, slightly calcareous in part; streaks Limestone, earthy, cryptocrystalline, bright tan, very argillaceous; trace black oil droplets in sample.
- 4680-4720 Shale, light-medium gray, sub-waxy, silty in part; @ 4700 streaks Siltstone, light gray, argillaceous, slightly calcareous.
- 4720-4760 Shale, dark brown, gray-brown, sub-platy, carbonaceous.
- 4760-4780 Siltstone-very fine grained Sandstone, light gray, argillaceous, slightly calcareous, tight; streaks Shale, pale gray, chunky, very silty in part.
- 4780-4800 Shale, pale gray, sub-waxy, very silty in part; streaks

Siltstone-very fine grained Sandstone, as above,  
appears tight, no show.

- 4800-4840 Siltstone, occasionally grades to very fine grained Sandstone, light grayish white, argillaceous, slightly calcareous; streaks Shale, light-medium gray, platy; @ 4820 increased Shale, light grayish green, sub-platy, waxy.
- 4840-4860 Shale, dark brown, dark gray-brown, gray, very silty in part, slightly carbonaceous; occasional streaks Siltstone, as above.
- YELLOW MARKER 4869 (+156)
- 4860-4880 Shale, medium to dark gray, gray-brown, platy; streaks Siltstone, light gray, gray-tan, brown, argillaceous, moderately calcareous; trace Limestone, earthy, tan, argillaceous.
- 4880-4920 Shale, dark brown, occasionally black, dark gray, carbonaceous, silty in part; Siltstone, as above; @ 4900 increased Shale, pale-medium gray, gray-green, very silty in part, waxy in part.
- 4920-4960 Shale, light-medium gray, very silty; streaks Siltstone, light gray, gray, gray-tan, argillaceous, calcareous; @ 4940 Shale, becomes less silty.
- 4960-4980 Siltstone-very fine grained Sandstone, white, light grayish white, clear, calcareous, tight; streaks Shale, medium gray, gray-green, waxy, silty in part.
- 4980-5000 Shale, light-medium gray, platy, occasionally silty; streaks Siltstone, as above.
- 5000-5040 Shale, brown, dark brown, dark gray-black, platy, calcareous, silty in part, slightly carbonaceous.
- 5040-5060 Shale, gray, gray-green, platy, pyritic, occasionally silty; streaks Siltstone, light grayish white, slightly calcareous, tight.
- 5060-5080 Shale, brown, gray-brown, platy, chunky, silty in part; streaks Siltstone and Shale, as above.
- 5080-5100 Shale, medium gray, greenish cast, platy, silty; abundant Siltstone, light gray, green, argillaceous, calcareous, tight.

R-1 SANDSTONE 5102 (-77)

- 5100-5120 Sandstone, very fine grained, tan, light grayish tan,

well sorted, silty, slightly calcareous, appears fairly tight, friable, streaks poor porosity, even tan, light brown stain, dull yellow-yellow fluorescence with greenish cast, slight light yellow to whitish yellow cut; Shale, as above.

5120-5140 Shale, light gray, gray-green, platy, silty; streaks Siltstone, light gray, argillaceous, calcareous.

R-2 SAND 5138 (-113)

5140-5160 Sandstone, very fine grained, occasionally fine grained, clear, tan, fair-good sorting, sub-angular, friable, abundant loose quartz grains, probably fair-good porosity, even brown, dark brown stain, dull yellow-yellow fluorescence with greenish cast, instant strong whitish yellow cut; streaks Shale and Siltstone, as above.

5160-5200 Shale, light-medium gray, platy, silty in part; streaks Sandstone, gray, argillaceous, slightly calcareous; @ 5180 slight increased Siltstone, light gray, gray-tan, argillaceous, slightly calcareous, tight.

5200-5220 Shale, pale gray, platy, silty in part; streaks Siltstone, gray, light gray, argillaceous, calcareous; abundant loose quartz grains in sample.

R-5 SAND 5220 (-195)

5220-5240 Sandstone, very fine-fine grained, light grayish tan, tan, sub-angular, some angular grains, well sorted, contact silica cement, friable, streaks of poor-fair porosity, even tan and light brown-brown stain, dull yellow to bright yellow fluorescence with greenish cast, fairly slow good light yellow cut.

5240-5260 Sandstone, very fine-fine grained, friable, fair-good porosity, tan, light brown and dark brown stain, dull yellow-yellow fluorescence, slight greenish cast, instant good flashing whitish yellow cut.

5260-5280 Sandstone, as above; stain, fluorescence and cut, as above; streaks Shale, gray-green, gray, gray-tan, platy, waxy; Shale, reddish brown, sub-blocky, chunky, dolomitic.

5280-5300 Shale, gray, gray-brown, platy, sub-waxy; streaks Shale, as above.

2nd DOUGLAS CREEK 5303 (-278)

5300-5320 Shale, as above; streaks Siltstone-very fine grained

Sandstone, light gray, gray-tan, tan, good sorting, sub-angular, slightly calcareous, contact silica cement, appears tight, possible poor porosity, scattered tan and brown stain, dull yellow-yellow fluorescence with greenish cast, fairly rapid bright light yellow cut.

- 5320-5340 Shale, medium gray, gray-tan, brown, platy, silty in part; influx Siltstone, light gray, argillaceous, occasionally grades to very fine grained Sandstone, well sorted, tight; trace stain, fluorescence and cut, as above.
- 5340-5380 Shale, medium gray, green, gray-brown, sub-waxy, silty in part; abundant Siltstone-very fine grained Sandstone, as above.
- G-1 SAND 5391 (-366)
- 5380-5400 Sandstone, very fine grained, tan, some clear and light gray grains, good sorting, sub-angular, friable, contact silica cement, streaks poor porosity, even light brown to brown stain, light yellow to yellow fluorescence with greenish cast, fair rapid streaming whitish yellow cut, becoming cloudy; streaks Shale and Siltstone, as above.
- 5400-5420 Sandstone, very fine grained, light tan, light brown, well sorted, sub-angular to sub-rounded, silty, friable, contact silica cement, streaks poor porosity, tan to light brown stain, dull yellow-yellow fluorescence with greenish cast, fairly rapid whitish yellow cut, Shale, as above.
- 5420-5460 Shale, gray-green, gray, platy, waxy; abundant Sandstone; stain, fluorescence and cut, as above; @ 5440 Shale, as above, gray-brown, brown, waxy, silty in part.
- 5460-5500 Shale, gray-brown, brown, dark gray, gray-green, platy, chunky, silty, calcareous in part, slightly carbonaceous in part.
- 5500-5540 Shale, gray-green, waxy, silty in part; influx Siltstone, occasionally grades to very fine grained Sandstone, light gray, argillaceous, calcareous, tight; @ 5520 increased Siltstone-very fine grained Sandstone, as above, tight.
- 5540-5560 Shale, gray-green, gray, waxy, silty; abundant Siltstone-very fine grained Sandstone, as above, tight.
- 5560-5580 Shale, gray-green, gray, platy, waxy; occasional

streaks Siltstone-very fine grained Sandstone, as above.

G-5 SAND 5579 (-554)

- 5580-5600 Sandstone, very fine grained, tan, light gray, clear, sub-angular to sub-rounded, well sorted, silty, contact silica cement, appears fairly tight, possible poor porosity, even light brown-brown stain, faint dull yellow fluorescence with greenish cast, fairly good light yellow to whitish yellow cut; Shale, as above.
- 5600-5620 Sandstone, very fine grained, primarily loose quartz grains, sub-angular, well sorted, friable, fair-good porosity, brown, dark brown and black stain, faint dull yellow fluorescence with strong greenish cast, strong light yellow to whitish yellow cut.
- 5620-5640 Shale, gray, gray-green, lumpy, sub-platy; Siltstone-very fine grained Sandstone, white, light gray, calcareous; streaks Shale, reddish brown, tan, dolomitic in part, limy in part; grades to Marl; abundant Sandstone; stain, fluorescence and cut, as above.
- 5640-5660 Shale, gray-green, gray, sub-waxy; abundant Siltstone, light grayish white, gray-tan, argillaceous, calcareous, tight.
- 5660-5680 Siltstone, light gray, gray-tan, grayish white, argillaceous, calcareous; streaks Shale, as above; streaks Shale, black, chunky, platy.
- 5680-5740 Shale, gray, gray-green, gray-tan, platy, waxy, very silty in part; streaks Siltstone, as above; slight increased Shale, black, dark gray, blocky, carbonaceous, lignitic.
- 5740-5780 Shale, dark gray, dark gray-brown, sub-platy, chunky, carbonaceous streaks, calcareous in part.
- 5780-5800 Shale, black, dark gray, platy, carbonaceous in part, calcareous in part, limy streaks; streaks Shale, tan, gray-tan, platy, silty.
- 5800-5840 Shale, black, chunky, slightly calcareous, pyritic.
- 5840-5880 Shale, black, dark gray, dark gray-brown, chunky, calcareous in part, limy streaks, occasional finely disseminated pyrite; @ 5860 influx Siltstone, gray-brown, argillaceous, calcareous, cavings?

CARBONATE MARKER 5873 (-849)

- 5880-5900 Shale, as above; trace Dolomite, cryptocrystalline, tan, light brown, argillaceous.
- 5900-5920 Dolomite, cryptocrystalline, tan, light brown, limey, argillaceous; Siltstone-very fine grained Sandstone, light grayish white, good sorting, sub-angular, slightly calcareous, cavings? Streaks Shale, pale-medium gray, silty in part.
- 5920-5940 Shale, pale gray-gray, gray-green, waxy, silty, lumpy; trace Sandstone, very fine grained, light grayish white, fair sorting, sub-rounded to sub-angular, possible poor porosity; several clusters with faint dark brown-black stain, bluish white to dull yellow fluorescence, slow light yellow cut.

B-1 SAND 5938 (-913)

- 5940-5960 Sandstone, very fine grained, light gray, tan, fair-good sorting, sub-rounded, primarily loose quartz grains, possible poor porosity, increased spotty and even light brown to dark brown stain, bluish white and dull yellow fluorescence, fairly slow whitish yellow cut; abundant Shale, pale gray, gray-green, waxy.
- 5960-5980 Shale, as above; streaks Shale, reddish tan, tan, blocky, dolomitic; abundant loose quartz grains, as above, limited amount of stain, fluorescence and cut, as above.

B-2 SAND 5973 (-948)

- 5980-6000 Sandstone, fine grained, clear, white, sub-angular to angular quartz grains, fair-good sorting, possible poor to fair porosity, faint tan stain on some quartz grains, bright bluish white to dull yellow fluorescence, fairly slow light yellow cut; streaks Shale, reddish tan, chunky, dolomitic; grades to Marl.
- 6000-6020 Shale, black, dark gray-brown, chunky, blocky; streaks Shale, reddish tan, chunky, dolomitic and limey; grades to shaley Limestone; abundant loose quartz grains; stain, scattered fluorescence and cut, as above.
- 6020-6040 Siltstone, light gray, pale green, white, argillaceous, calcareous; occasionally grades to very fine grained Sandstone, tight; Shale, gray, green, tan, platy, silty in part; streaks Limestone, earthy reddish tan, argillaceous, soft.
- 6040-6060 Shale, reddish tan, limey, soft; Shale, as above, abundant loose quartz grains, Siltstone, as above.

- 6060-6080 Shale, dark gray-brown, dark gray, chunky, carbonaceous; Shale, as above.
- 6080-6100 Sandstone, very fine-fine grained, white, fair sorting, sub-angular, primarily loose quartz grains, cavings? Shale, as above; increased Shale, gray, gray-green.
- 6100-6120 Sandstone, as above; increased Marl, light reddish tan, dolomitic, limey streaks; grades to argillaceous Dolomite.
- 6120-6140 Shale, black, dark gray, chunky, calcareous in part, carbonaceous; streaks Marl, as above.
- 6140-6160 Siltstone-very fine grained Sandstone, light grayish white, sub-rounded, fair sorting, slightly calcareous, primarily loose quartz grains, possible poor porosity, no show; Shale, as above; streaks Shale, reddish tan, blocky, limey, dolomitic.
- 6160-6180 Shale, light-medium gray, platy, chunky, slightly calcareous, silty in part; increased Shale, pale reddish tan, platy, lumpy, moderately calcareous to limey.
- 6180-6200 Shale, gray, gray-tan, platy, moderately calcareous to limey; grades to argillaceous Limestone.
- 6200-6240 Shale, as above; increased Shale, black, dark gray, gray-brown, calcareous in part; streaks Shale, light reddish tan, limey, chunky, dolomitic and calcareous; Siltstone-very fine grained Sandstone, light grayish white, fair-good sorting, sub-angular to sub-rounded, primarily loose quartz grains, no show, cavings?
- 6240-6250 Sandstone, very fine grained, light grayish white, sub-rounded, good sorting, primarily loose quartz grains, possible poor porosity, no show; Shale, gray, gray-tan, sub-platy, calcareous in part.

Sample quality below the Carbonate Marker is very poor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

FEB - 2 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-67845					
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RENOV. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a					
2. NAME OF OPERATOR Equitable Resources Energy Company, Balcron Oil Division		7. FARM OR LEASE NAME Balcron Monument Federal					
3. ADDRESS OF OPERATOR P.O. Box 21017, Billings, MT 59104 (406) 259-7860		9. WELL NO. #32-25					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 1980' FEL  At top prod. interval reported below  At total depth		10. FIELD AND POOL, OR WILDCAT Undesignated/Green River					
14. PERMIT NO. 43-047-32524		DATE ISSUED 9-23-94					
15. DATE SPUDDED 11-28-94	16. DATE T.D. REACHED 12-9-94	17. DATE COMPL. (Ready to prod.) 12-31-94	18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 5013.8' GL				
19. ELEV. CASINGHEAD n/a	20. TOTAL DEPTH, MD & TVD 6,250'						
21. PLUG, BACK T.D., MD & TVD 6180' KB	22. IF MULTIPLE COMPL., HOW MANY* n/a	23. INTERVALS DRILLED BY Sfc - TD	24. ROTARY TOOLS CABLE TOOLS n/a				
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5138' - 5950' Green River			25. WAS DIRECTIONAL SURVEY MADE No				
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/LDI/CNL/RPT HIGH RESOLUTION TRMP 12-12-94, 1-9-95 MUD LOG, MULTIPLE ISOTOPE SPECTROSCOPY TOOL			27. WAS WELL CORRED No				
28. CASING RECORD (Report all strings set in well)							
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
8-5/8"	24#	267.89'	12-1/4"	200 sxs "G" w/additives	None		
5-1/2"	15.5#	6260'	7-7/8"	150 sxs Super "G" w/additives	None		
				371 sxs 50/50 POZ w/additives			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	6030.45' KB	n/a
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
5939' - 5950' (4 SPF)	Please see attachment.						
5581' - 5584' (4 SPF)							
5594' - 5606' (4 SPF)							
5608' - 5614' (4 SPF)							
5138' - 5151' (4 SPF)							
5220' - 5224' (4 SPF)							
5222' - 5236' (4 SPF)							
5240' - 5244' (4 SPF)							
33.* PRODUCTION							
DATE FIRST PRODUCTION 12-31-94		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
1-16-95	24	n/a	→	74.17	N.M.	0	N.M.
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	74.17	N.M.	0	34	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel.						TEST WITNESSED BY Dale Griffin	
35. LIST OF ATTACHMENTS Acid, shot, frac, cement squeeze, etc. attached.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Robbie Schuman</u>				TITLE <u>Regulatory and Environmental Specialist</u>		DATE <u>1-30-95</u>	

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			No DST's run.	See Geological Report submitted Separately.			

38. GEOLOGIC MARKERS

**BALCRON MONUMENT FEDERAL #32-25  
SW NE Section 25, T8S, R17E  
Uintah County, Utah  
Attachment to Completion Report**

<u>DEPTH INTERVAL (MD)</u>	<u>AMOUNT AND KIND OF MATERIAL USED</u>
5939' - 5950'	500 gallons HCL acid and 2142 gallons 2% KCL water. Frac with 40,720# 20/40 mesh sand and 34,040# 16/30 mesh sand with 52,486 gallons 2% KCl gelled water.
5581' - 5614'	Break down with 3,822 gallons 2% KCL water. Frac with 72,560# 20/40 mesh sand and 62,000# 16/30 mesh sand with 41,538 gallons 2% KCL gelled water.
5220' - 5244'	Break down with 2,856 gallons 2% KCL water.
5138' - 5151'	Break down with 2,940 gallons 2% KCL water.
5138' - 5244'	Frac with 79,640# 20/40 mesh sand and 66,220# 16/30 mesh sand with 38,724 gallons 2% KCL gelled water.

/mc  
1-30-95

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-25

Location: SW NE Section 25, T8S, R17E

Uintah County, Utah

1980' FNL & 1980 FEL

PTD: 6,250' Formation: Green River

Undesignated Field

Elevations: 5013.8' GL

Contractor: Union Drilling #16

Operator: Balcron/EREC

Spud: 11-28-94 @ 5 p.m.

Casing: 8-5/8", 24#, J-55 @ 267.89'

5-1/2", 15.5#, J-55 @ 6260' KB

Tubing: 2-7/8", 6.5#, J-55 @ 6030.45' KB

---TIGHT HOLE---

11-29-94 TD: 283' (283') Day 1

Formation: Surface

MW air & foam

Present Operation: WO cmt.

MIRU Union Drilling Rig #16. Drill rat hole, set conductor, NU air bowl. Drilling 12-1/4" hole. Circ, TOH & pull conductor. RU & run 6 jts 8-5/8", 24#, J-55 csg. Cmt by Western w/20 bbls gel ahead of 200 sxs "G" w/2% CaCl<sub>2</sub> & 1/4#/sx Cello-Seal. Plug down @ 4 a.m. 11-29-94. WOC.

DC: \$23,462

CC: \$23,462

11-30-94 TD: 792' (509') Day 2

Formation: Green River

MW 8.4 VIS 27 pH 10.5

Present Operation: Drilling

WOC, cut off 8-5/8" csg & weld on well head, test to 1000 psi. NU & test BOP's & all related equipment 2000 psi - OK. TIH, drill plug cmt & shoe. Drill ahead & survey.

DC: \$8,612

CC: \$32,074

12-1-94 TD: 1,861' (1,069') Day 3

Formation: Green River

MW 8.4 VIS 27 pH 10.5

Present Operation: Drilling

Drill, survey, service rig, drill, WO pump. Drill, survey, rig service, & drill ahead.

DC: \$14,438

CC: \$46,512

12-2-94 TD: 2,327' (466') Day 4

Formation: Green River

MW 8.4+ VIS 27 pH 10.5

Present Operation: Change out pump.

Drill, survey, rig service, WO mud pump & change out pump.

DC: \$10,255

CC: \$56,767

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-25

Location: SW NE Section 25, T8S, R17E  
Uintah County, Utah

---TIGHT HOLE---

12-2-94 TD: 3,260' (933') Day 5  
Formation: Green River  
MW 8.5 VIS 27 pH 10.5  
Present Operation: Drilling  
TIH 10 stds. Drill, survey, & service rig.  
DC: \$12,621 CC: \$69,388

12-4-94 TD: 4,125' (865') Day 6  
Formation: Green River  
MW 8.5 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, survey, & rig service.  
DC: \$11,882 CC: \$81,270

12-5-94 TD: 4,416' (291') Day 7  
Formation: Green River  
MW 9.5 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, TOOH for bit, lost nose cone, TIH w/magnet, TOH w/magnet  
w/no recovery. TIH w/bit #4, wash & ream from 4076'-4207'. Drill,  
rig service, & drill ahead.  
DC: \$4,930 CC: \$86,200

12-6-94 TD: 5,135' (719') Day 8  
Formation: Green River  
MW 8.5 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, rig service, & survey.  
DC: \$10,294 CC: \$96,494

12-7-94 TD: 5,911' (776') Day 9  
Formation: Green River  
MW 8.5 pH 10.5  
Present Operation: Drilling  
Drill & rig service.  
DC: \$10,854 CC: \$107,348

12-8-94 TD: 6,250' (339') Day 10  
Formation: Green River  
MW 8.4+ VIS 27 pH 10.5  
Present Operation: Logging  
Reached TD @ 4 p.m. on 12-7-94. Drill, rig service, circ sweep.  
TOOH for logs, log w/Schlumberger (Logger's TD 6255') Run #1  
DLL/LDT/CNL; Run #2 RFT.  
DC: \$7,772 CC: \$115,120

## DAILY OPERATING REPORT

### BALCRON MONUMENT FEDERAL #32-25

Location: SW NE Section 25, T8S, R17E

Uintah County, Utah

---TIGHT HOLE---

- 12-9-94 TD: 6,250' (0') Day 11  
Formation: Green River  
Present Operation: ND BOP.  
Log w/Schlumberger run #2 RFT. TIH LD drill pipe & drill collars.  
Change pipe rams & test to 2000# for 10 min - OK. RU & run 19 jts  
5-1/2", 15.5#, J-55 csg. Circ csg. Cmt by Western, plug down @  
4:50 a.m. 12-9-94.  
DC: \$69,700 CC: \$184,820
- 12-10-94 TD: 6,250' (0') Day 12  
Present Operation: Rig Released @ 9 a.m. 12-9-94.  
DC: \$2,887 CC: \$187,707
- 12-10-94 Completion  
Dress up location, set rig anchors, set tanks & pump. MIRU Basin  
Well Service Rig #2. NU 5M well head & BOP. RU 4-Star to  
Hydrotest red band tbg in hole, hydrotest to 5000 psi. TIH w/4-  
3/4" big, 5-1/2" scraper, & 199 jts 2-7/8" tbg. Tag PBD @ 6180'  
KB. Circ hole clean w/150 bbls 2% KCL wtr. TOOH w/tbg & tools.  
SWIF 36 hrs.  
DC: \$7,555 CC: \$192,375
- 12-12-94 Completion  
RU Schlumberger and run CBL from PBD to 200' above cement top (at  
2638' KB). Perforate 5939'-50' w/4 SPF. RD Schlumberger. TIH  
w/RBP, retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-3/8" x 2-7/8"  
xover, 2-7/8" SN and 193 jts 2-7/8" tubg. Set BP at 6000', set  
pkr, 5897' KB, EOT 5909' KB. RU Western and break down 5939'-50'.  
See attached treatment report. Spot balls and acid at pkr, set  
pkr. RD Western. Flow back 20 BW. Made 7 swab runs, recovered 30  
BW and acid. TOOH w/tubing & pkr. SIFD. Load to recover: 13 BW.  
DC: \$10,989 CC: \$203,364
- 12-13-94 Completion  
CP 160#. RU Western to frac 5039'-50' w/40,720# 20/40 mesh sand &  
34,040# 16/30 mesh sand w/52,486 gals 2% KCL gelled wtr. ATP 1800  
psi, max 2370 psi. ATR 31.5 bpm, max 32 bpm. ISIP 1900 psi, 5 min  
1540 psi, 10 min 1390 psi, 15 min 1310 psi, 30 min 1220 psi.  
SWIFN.  
DC: \$22,830 CC: \$226,194

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-25

Location: SW NE Section 25, T8S, R17E  
Uintah County, Utah

---TIGHT HOLE---

- 12-14-94 Completion  
CP 700 psi, flow back 25 BW. TIH w/retrieving head, 2-3/8" x 6' sub, HD packer, XOver, SN & 192 jts 2-7/8" tbg. Tag sand @ 5955' KB, circ down to BP @ 6000' KB. Set packer @ 5897' KB. Made 18 swab runs, recovered 83 bbls fluid, 3 BO, 80 BW, good gas, no sand last 5 runs. Fluid level stable @ 2900' last 2 runs. Release packer, tag sand @ 5990' KB, circ down to BP @ 6000' KB, release BP. Reset BP @ 5660' KB. TOOH w/tbg & packer. SWIFN.  
DC: \$4,132 CC: \$230,326
- 12-15-94 Completion  
RU Schlumberger and perf 5581'-84, 5594'-5606', 5608'-14' w/4 SPF. RD Schlumberger. TIH with retrieving tool, 2-3/8" x 6' sub, HD pkr, 2-3/8" and 2-7/8" xover, SN and 178 jts 2-7/8" tubing. Set pkr at 5523' KB, EOT 5535' KB. RU Western to break down 5581'-84, 5594'-5606', 5608'-14'. See attached treatment report. Flow back 20 BW. Made 5 swab runs, recovered 28 bbl fluid. TOOH with tubing and pkr. SIFN. Load to recover 494 BW.  
DC: \$5,801 CC: \$236,127
- 12-16-94 Completion  
RU Western to frac 5581'-84', 5594'-5606' & 5608'-14' w/72,560E 20/40 mesh sand & 62,000# 16/30 mesh sand w/41,538 gals 2% KCL gelled wtr. ATP 2150 psi, max 2520 psi. ATR 30.6 bpm, max 32.9 bpm. ISIP 2050 psi, 5 min 1910 psi, 10 min 1800 psi, 15 min 1720 psi.  
DC: \$39,464 CC: \$275,591
- 12-17-94 Completion  
CP 950 psi. Flow back 70 BW. TIH w/retrieving tool, 2-3/8" x 6' sub, HD packer, XOver, SN, & 180 jts 2-7/8" tbg. Tag sand @ 5620' KB, circ down to BP @ 5660' KB. Set packer @ 5497' KB, EOT @ 5509' KB. Made 20 swab runs, recovered 143 bbls of fluid, 50 BO, 93 BW, good gas, still getting lots of sand back. Fluid level stable @ 2800' last 8 runs. Last 4 runs, oil 60%. SWIFN.  
DC: \$1,919 CC: \$277,510
- 12-18-94 Completion  
TP 400 psi, flow 10 oil back. Made 10 swab runs, recovered 50 bbls fluid, 20 BO, 30 BW, good gas, no sand last 4 runs. Release packer, tag sand @ 5640' KB, circ down to BP @ 5660 KB, release BP. Reset BP @ 5300' KB. TOOH w/tbg & packer. SWIFN.  
DC: \$2,125 CC: \$279,635

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-25

Location: SW NE Section 25, T8S, R17E  
Uintah County, Utah

---TIGHT HOLE---

12-19-94 Completion

RU Schlumberger & perf 5138'-51', 5220'-24', 5232'-36' & 5240'-44' (all 4 SPF). RD Schlumberger. TIH w/retrieving tool, 2-3/8" x 6' sub, HD packer, Xover, SN & 171 jts 2-7/8" tbg. Hot oil tbg, release BP, reset BP @ 5185' KB. Set packer @ 5089' KB, EOT @ 5100' KB. SWIFN.

DC: \$1,443

CC: \$281,078

12-20-94 Completion

BP @ 5185' KB, packer @ 5089' KB, EOT @ 5100' KB. RU Western & break down 5138'-51' w/2,940 gals 2% KCL wtr. ATP 2460 psi, max 3850 psi. ATR 4.5 bpm, max 6.5 bpm. ISIP 1300 psi. Pump 4 balls/bbl. Try to reset BP @ 5300' KB, could not set BP. TOOH w/tbg, packer & BP. TIH w/redressed BP, retrieving tool, 2-3/8" sub, HD packer XOver, SN, & 171 jts 2-7/8" tbg. Try to set BP @ 5300' KB, set BP @ 5270' KB. Pressure test BP, BP would not hold. TOOH w/tbg & tools. TIH w/RBP, retrieving head, 2-3/8" x 6' sub, HD packer, XOver, SN & 171 jts 2-7/8" tbg. Set BP @ 5300' KB, test BP - OK. Set packer @ 5185' KB, EOT @ 5194' KB. RU Western & breakd down 5220'-24', 5232'-36', 5240'-44' w/2,856 gals 2% KCL wtr. ATP 2500 psi, max 4000 psi. ATR 5 bpm, max 5 bpm. ISIP 1100 psi. Pump 4 balls/bbl. RD Western. TOOH w/tbg & packer. SWIFN. Load to recover 1428 BW.

DC: \$7,906

CC: \$288,984

12-21-94 Completion

RU Western to frac 5138'-51', 5220'-24', 5232'-36' & 5240'-44' w/79,640# 20/40 mesh sand & 66,220# 16/30 mesh sand w/38,724 gals 2% KCL wtr. ATP 1670 psi, max 2350 psi. ATR 37.3 bpm, max 38 bpm. ISIP 1650 psi, 5 min 1550 psi, 10 min 1490 psi, 15 min 1360 psi, 30 min 1120 psi. RU Protecnics to tag frac w/SC-40 on pad, IR-192 on 20/40 & SB-124 on 16/30. RD Western. SWIFN.

DC: \$49,898

CC: \$335,882

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #32-25

Location: SW NE Section 25, T8S, R17E

Uintah County, Utah

---TIGHT HOLE---

12-22-94 Completion

CP 500 psi, flow back 40 BW. TIH w/retrieving tool, 2-3/8" x 6' sub, HD packer, Cross over, SN & 167 jts 2-7/8" tbg. Tag sand @ 5250' KB, circ down to BP @ 5300' KB. Set packer @ 5089' KB. Made 15 swab runs, recovered 105 bbls of fluid, trace oil, 105 BW, good gas, no sand last 3 runs. Fluid level stable @ 2000' last 4 runs. Release packer, tag sand @ 5285' KB, circ down to BP @ 5300' KB. Release BP, reset BP @ 5475' KB. Circ hole clean w/190 bbls 2% KCL wtr. Release BP, TOOH w/tbg, packer, & BP. RU Schlumberger to run Temp Survey & GR. Temp: Log down from 4500' to 5500'. Multiple Isotope Spectrscopy log: 5350' to 5000'. RD Schlumberger. SWIFN. DC: \$2,222 CC: \$338,104

12-23-94 Completion

TIH w/tbg production string:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - jt Red Band 2-7/8" J-55 6.5#	31.65'	6030.45'
1 - Perf sub 2-7/8" x 4'	4.05'	5998.80'
1 - SN 2-7/8"	1.10'	5994.75'
29 - jts Red Band 2-7/8" J-55 6.5#	899.04'	5993.65'
1 - Tbg Anchor 2-7/8" x 5-1/2"	2.75'	5094.61'
164 - jts Red Band 2-7/8" J-55 6.5#	5079.86'	5091.86'
KB	12.00'	

ND BOP, ND 5M well head, NU 3M well head. Set tbg anchor w/15" tension. TIH w/rod production string:

1 - BHP 2-1/2" x 1-1/2" x 16' RWAC w/pa plunger  
237 - 3/4" x 25' D-61 Plain Rods  
1 - 3/4" x 8' Pony  
1 - 3/4" x 6' Pony  
1 - 3/4" x 2' Pony  
1 - 1-1/4" x 22' Polish Rod.

Test BHP & tbg to 1000 psi - OK. SWI & RDMO.

DC: \$16,294

CC: \$354,398

12-31-94 Start well pumping @ 1:00 p.m. Steve Farnsworth will be pumping.

FEB - 2 1995  
 DEPARTMENT OF OIL, GAS & MINING

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: SW NE Section 25, T8S, R17E 1980' FNL, 1980' FEL  
 TD:

5. Lease Designation and Serial No.  
 U-67845

6. Indian Allottee or Tribe Name  
 n/a

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

8. Well Name and No.  
 Balcron Monument Federal #32-25

9. API Well No.  
 43-047-32524

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

11. County or Parish, State  
 Uintah 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 Site Security Diagram
	<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 Bobbie Schuman Title Regulatory and Environmental Specialist Date 1-30-85

(This space for Federal or State office use)

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

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

\*See Instruction on Reverse Side

# Equitable Resources Energy Company Balcron Monument Federal 32-25 Production Facility Diagram

Balcron Monument Federal 32-25  
SW NE Sec. 25, T8S, R17E  
Uintah County, Utah  
Federal Lease # U-67845  
1980' FNL, 1980' 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
VALVE # 8	CLOSED	CLOSED

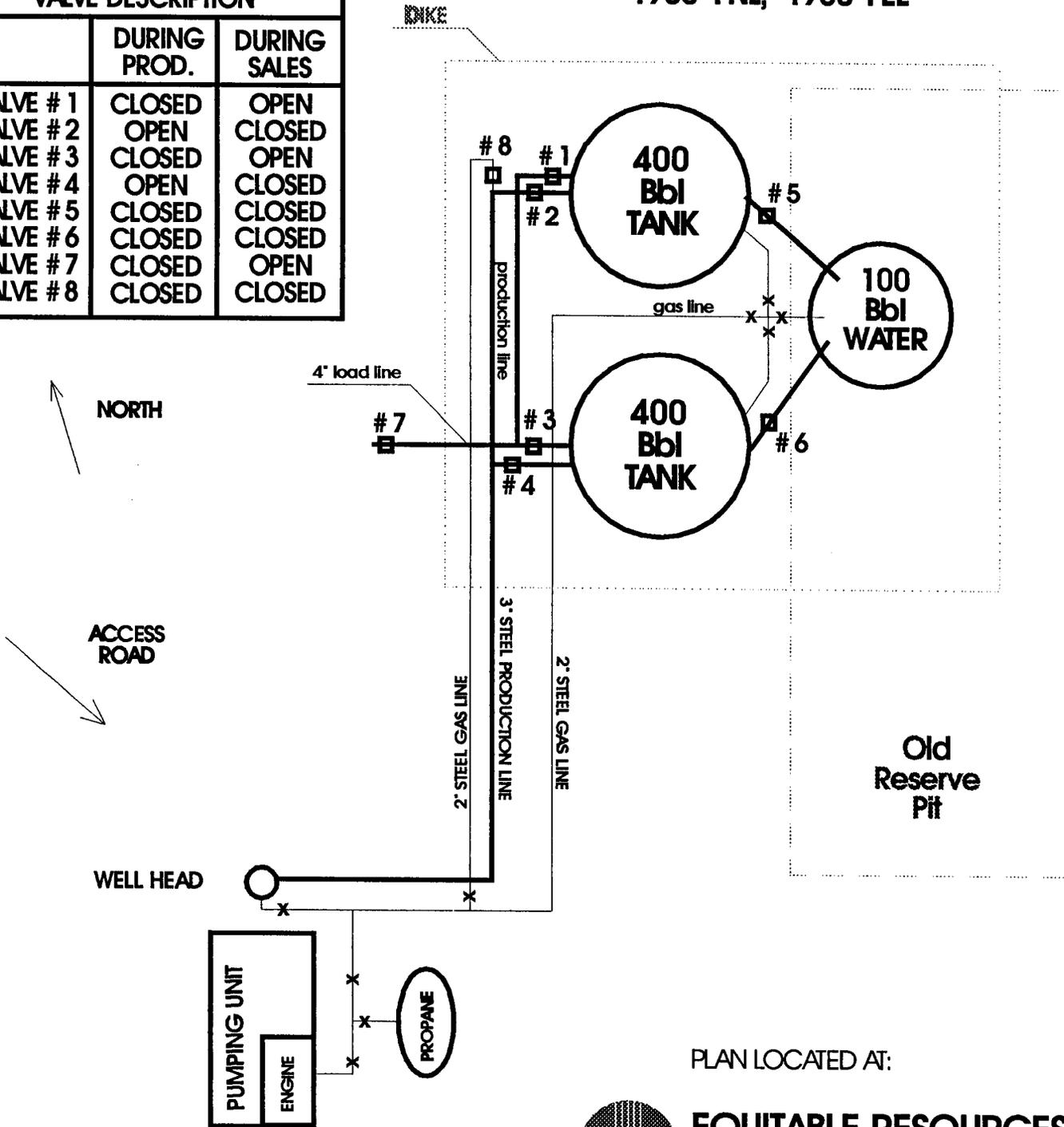


DIAGRAM NOT TO SCALE

PLAN LOCATED AT:



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

*1-30-95*

FEB - 2 1995

REPORT OF WATER ENCOUNTERED DURING DRILLING

DIV OF OIL, GAS & MINING

1. Well name and number: Balcron Monument Federal #32-25

API number: 43-047-32524

2. Well Location: QQ SW NE Section 25 Township 8S Range 17E County Uintah

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: 1-30-95

Name & Signature: Bobbie Schuman, Bobbie Schuman

Title: Regulatory and Environmental Specialist

FEB - 2 1995  
 BUREAU OF OIL, GAS & MINING

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

5. Lease Designation and Serial No.  
 U-67845

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

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

8. Well Name and No.  
 Balcron Monument Federal #32-25

9. API Well No.  
 43-047-32524

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

11. County or Parish, State  
 Uintah 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: SW NE Section 25, T8S, R17E  
 TD: 1980' FNL & 1980' FEL

**2. 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
	Onshore Order #7
	<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.

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 1-30-95  
(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**  
 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)
✓ BALCRON FEDERAL 31-5Y 4304732503 11680 09S 18E 5	GRRV					
✓ BALCRON MONUMENT FEDERAL 21-25 4304732528 11683 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 12-25 4304732526 11694 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 32-25 4304732524 11707 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 31-25 4304732530 11710 08S 17E 25	GRRV					
✓ BALCRON FEDERAL 12-22Y 01331476 11717 08S 17E 22	GRRV					
✓ BALCRON MONUMENT FEDERAL 33-25 4304732525 11729 08S 17E 25	GRRV					
✓ MONUMENT FEDERAL 23-25 4304732529 11730 08S 17E 25	GRRV					
✓ BALCRON MONUMENT STATE 24-2 4304732612 11736 09S 17E 2	GRRV					
✓ BALCRON MONUMENT STATE 13-2 4301331482 11738 09S 17E 2	GRRV					
✓ BALCRON MONUMENT STATE 22-2 4304732610 11742 09S 17E 2	GRRV					
✓ BALCRON MONUMENT STATE 12-2 4301331481 11745 09S 17E 2	GRRV					
✓ BALCRON FEDERAL 31-19Y 4304732614 11751 09S 18E 19	GRRV					
<b>TOTALS</b>						

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

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

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

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

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

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		



**EQUITABLE RESOURCES  
ENERGY COMPANY**

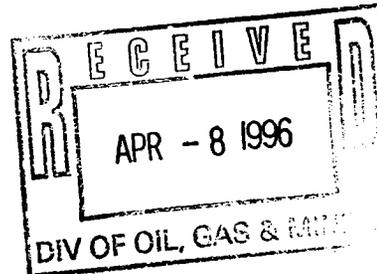
**BALCRON OIL DIVISION**

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	DP 58-FILE
3	VLD (GIL) 2/2
4	RJE
5	IEC
6	FILM

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

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

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

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<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: <b>**SEE ATTACHED**</b>	API: <u>047-32521</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**

- Yec 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.
- Yec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yec 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yec 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yec 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)*
- Yec 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) Sebeco 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.
- 4/22/96 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*Sent to Ed Bohner - Trust Lands*

FILMING

- Yes 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

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:

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

NOTICE OF INTENT  
(Submit in Duplicate)

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

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

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

Date of work completion 9-30-97

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

\* Must be accompanied by a cement verification report.

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

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

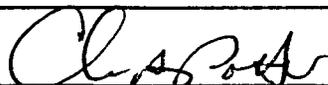
Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

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

OCT 10 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
✓ HENDEL FEDERAL #1-17	NENW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30059-00	UTU017991	
✓ HENDEL FEDERAL #3-17	SWNW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30074-00	UTU017991	
PARIETTE BENCH #4 (SWD)	SWSE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15681-00	UTU017992	8910069630
✓ PARIETTE BENCH FEDER #14-5	SWSW 5 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31123-00	UTU017992	
✓ PARIETTE BENCH FEDER #41-7	NENE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31584-00		8910069630
✓ PARIETTE BENCH FEDER #32-6	SWNE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31554-00	UTU50385	
✓ PARIETTE BENCH FEDER #43-6	NESE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31616-00	UTU017992	
✓ PARIETTE BENCH UNIT #2	SWNE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15680-00		8910069630
✓ FEDERAL #22-25	SE NW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32008-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #24-25	SE SW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32669-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #34-25	SW SE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32670-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED. #21-25	NENW 258S 17E	DUCHESNE	UT	UNDESIGNATED (H)	43-047-32528-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED. #12-25	SWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32526-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED. #23-25	NESW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32529-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED. #31-25	NWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32530-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED. #32-25	SWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32524-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED. #33-25	NWSE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32525-00	UTU67845	UTU76189X
✓ MONUMENT FEDERAL #11-25	NWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32455-00	UTU67845	UTU76189X
✓ PARIETTE DRAW FED. #8-23	SE NE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32676-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #9-23	NESE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-31543-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #12-24	SWNW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32713-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #13-24	NWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32546-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #14-24	SWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32645-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #23-24-8-17	NE SW 248S 17E	UINTAH	UT	MONUMENT BUTTE (H)	43-047-32710-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #24-24	SESW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32646-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #34-24	SWSE 248S R17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32506-00	UTU45431	UTU76189X



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

**(406) 259-7860 Telephone**

**(406) 245-1361 Fax**

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



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

TO: *Lisha*  
*St of Utah.*

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

Pages Attached - Including Cover Sheet *2*.

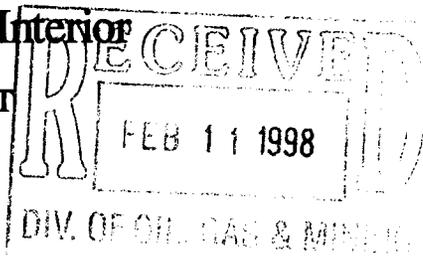
NOTE: *Here is the letter you requested.  
Call if you need anything  
further.*



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

February 10, 1998

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

Re: Humpback (Green River) Unit  
Uintah County, Utah

Gentlemen:

On February 10, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Humpback (Green River) Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 10, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Humpback (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Humpback (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Humpback (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron/Fluid Chron

U-931:TAThompson:tt:2/10/98

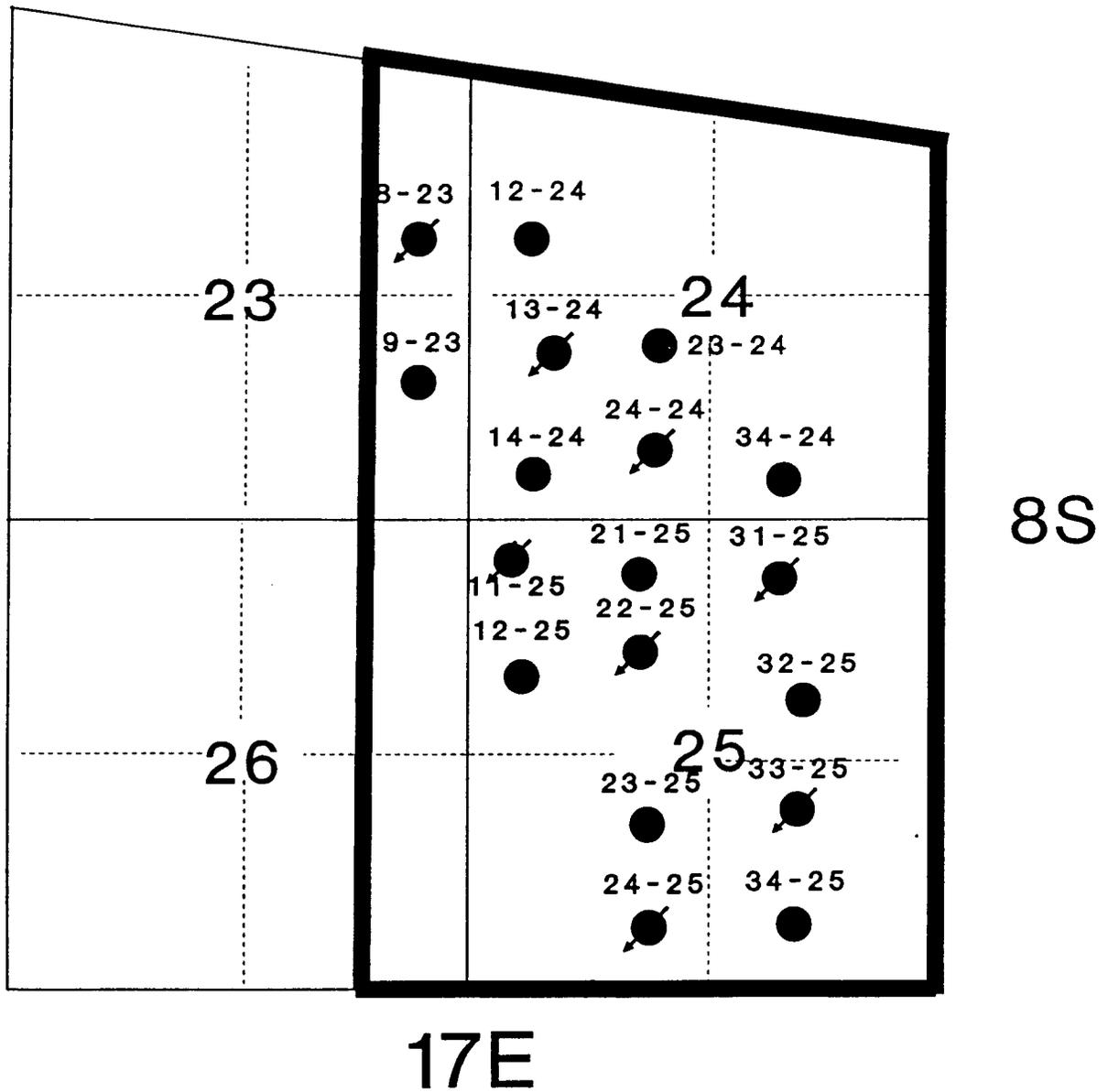
Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU76189X								
UTU67845	4304732455	11-25	NWNW	25	T 8S	R17E	OSI	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732713	12-24	SWNW	24	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732526	12-25	SWNW	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732645	14-24	SWSW	24	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732528	21-25	NENW	25	T 8S	R17E	OSI	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732008	22-25 FEDERAL	SENW	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732529	23-25	NESW	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732646	24-24	SESW	24	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732669	24-25	SESW	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732530	31-25 FEDERAL	NWNE	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732524	32-25 MONUMENT BUTTE	SWNE	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732525	33-25	NWSE	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732506	34-24	SWSE	24	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732670	34-25	SWSE	25	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304731543	9-23 PARIETTE DRAW	NESE	23	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732676	PARIETTE DRAW 8-23	SENE	23	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732546	PARIETTE FED 13-24	NWSW	24	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732710	PARIETTE FED 23-24	NESW	24	T 8S	R17E	POW	EQUITABLE RESOURCES ENERGY CO

# HUMPBACK (GREEN RIVER) UNIT

## Uintah County, Utah

EFFECTIVE: JANUARY 1, 1997



— UNIT OUTLINE (UTU76189X)

1,468.47 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

**OPERATOR CHANGE WORKSHEET**

1-LEC	6- <del>FILE</del>
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 Agent  
 Designation of Operator       Operator Name Change Only

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

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION COMPANY</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS'S</u>
	Phone: <u>(435) 722-5103</u>		Phone: <u>(406) 628-4164</u>
	Account no. <u>N5160</u>		Account no. <u>N9890</u>

WELL(S) attach additional page if needed:

**HUMPBAC (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-047-32524</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**

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)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 10-13-97)*
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: \_\_\_\_\_
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.
5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(2-13-98)*
6. **Cardex** file has been updated for each well listed above. *(2-18-98)*
7. Well **file labels** have been updated for each well listed above. *(2-18-98)*
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. *(2-13-98)*
9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

**ENTITY REVIEW**

- See* 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no)      If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*12053 previously assigned "Humpback (GR) Unit".*
- N/A* 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

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

- N/A* 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- See* 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**

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.
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**

- VB* 1. All attachments to this form have been **microfilmed**. Today's date: 3.20.98.

**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**

980211 BLM/SL Aprv. eff. 2-10-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER:           N9890          

REPORT PERIOD (MONTH/YEAR):           12 / 97          

AMENDED REPORT  (Highlight Changes)

Well Name API Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 43-7 4301331432 11880 09S 17E 7	GRRV					
MONUMENT FEDERAL 32-17 4301331465 11880 09S 17E 17	GRRV					
MONUMENT FEDERAL 41-17 4301331466 11880 09S 17E 17	GRRV					
MONUMENT STATE 23-16-9-17B 4301331578 11880 09S 17E 16	GRRV					
MONUMENT FEDERAL 23-17-9-17B 4301331582 11880 09S 17E 17	GRRV					
PARIETTE DRAW FED 9-23 4304731543 12053 08S 17E 23	GRRV			U45431	Humpbeck (EP) Unit	
FEDERAL 22-25 4304732008 12053 08S 17E 25	GRRV			U67845	"	
MONUMENT FEDERAL 11-25 4304732455 12053 08S 17E 25	GRRV			U67845	"	
PARIETTE FEDERAL 34-24 4304732506 12053 08S 17E 24	GRRV			U45431	"	
MONUMENT FEDERAL 32-25 4304732524 12053 08S 17E 25	GRRV			U67845	"	
BALCRON MONUMENT FEDERAL 33-25 4304732525 12053 08S 17E 25	GRRV			U67845	"	
MONUMENT FEDERAL 12-25 4304732526 12053 08S 17E 25	GRRV			"	"	
BALCRON MONUMENT FEDERAL 21-25 4304732528 12053 08S 17E 25	GRRV			"	"	
<b>TOTALS</b>						

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

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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

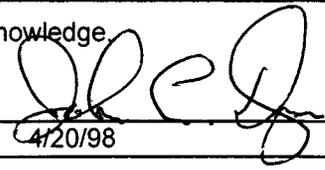
Well Name and number: Balcron Monument Federal #32-25  
Field or Unit name: Monument Butte (Green River) Humpback Unit Lease No. U-67845  
Well Location: QQ SWNE section 25 township 8S range 17E county Uintah

Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
Disposal? . . . . . Yes [ ] No [ X ]  
Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ X ] No [ ]  
Date of test: 12/10/94  
API number: 43-047-32524

Proposed injection interval: from 5138' to 5950'  
Proposed maximum injection: rate 500 bpd pressure 1618 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

**IMPORTANT:** Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Exhibits "A" through "G"

I certify that this report is true and complete to the best of my knowledge.  
Name: John E. Dyer Signature   
Title Chief Operating Officer Date 4/20/98  
Phone No. (303) 292-0900

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:



April 20, 1998

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

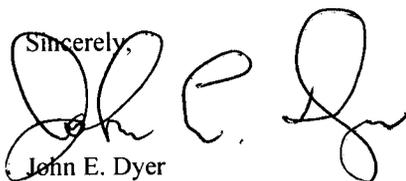
RE: Permit Application for Water Injection Well  
Balcron Monument Federal #32-25, Humpback Unit  
Monument Butte Field, Lease #U-67845  
Section 25-Township 8S-Range 17E  
Uintah County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Balcron Monument Federal #32-25 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Humpback Unit.

Please note that the wells in this field typically do not produce enough water to sample. Therefore, the sample being submitted with this application is that of a nearby well.

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

Sincerely,  
  
John E. Dyer  
Chief Operating Officer

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**BALCRON MONUMENT FEDERAL #32-25**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**HUMPBACK UNIT**  
**LEASE #U-67845**  
**APRIL 20, 1998**

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## FAX COVER SHEET



RESOURCES INC.

410 17th Street, Suite 700

Denver, CO 80202

Phone: 303-893-0102, Fax: 303-382-4454

DATE: June 29, 1998

TO: Brad Hill

COMPANY: State of Utah

FAX NUMBER: 801-359-3940

FROM: Debbie Knight

NUMBER OF PAGES: 1 INCLUDING COVER SHEET

Per your request, regarding packer/anchor settings for wells in the Humpback Unit:

Well NamePacker/Anchor Depth

Monument Federal #12-25

5208.43'

Monument Federal #21-25

5289.93'

Monument Federal #23-25

5119.34'

Monument Federal #32-25

5094.61'

Monument Federal #34-25

5209.79'

Let me know if you need additional info.

Thanks

Debbie

If you do not receive all pages or there is a problem with this transmission, please call 303-382-4441.



Elev.GR - 5059.59' GL  
Elev.KB - 5069.59' KB (10' KB)

**Balcron Monument Federal #32-25**  
Monument Butte ( Humpback Unit )  
Lease #U-67845  
SW NE Section 25, T8S, R16E  
1980' FNL, 1980' FEL  
Uintah County, Utah

**PROPOSED INJECTION  
WELLBORE DIAGRAM**

DATE : 7/22/96 DZ

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 273.89' (7 jts)  
DEPTH LANDED: 267.89' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sks "G", 2% CaCl<sub>2</sub>,  
1/4#/sk Cello-Seal.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 6263.07'  
DEPTH LANDED: 6259' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 150 sks super "G", 47 #/sk gel  
20#/sk POZ, 17#/sk CSF, 3%  
salt, 2% Gel, 2# sk HI-Seal,  
1/4#/sk Cello-Seal.  
Tailed w/371 sks 60/50 POZ  
2% gel, 1/4#/sk Cello-Seal  
2#/sk HI-Seal.

CEMENT TOP AT: 2638' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 164 jts (5079.86')  
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'  
NO. OF JOINTS: 29 jts (899.04')  
SEATING NIPPLE: 2-7/8"x1.10'  
PERFORATED SUB: 2-7/8"x4.20'  
MUD ANCHOR: 2-7/8"x31.65'  
TOTAL STRING LENGTH: 6018.6'  
SN LANDED AT: 5992.75' KB

**SUCKER RODS**

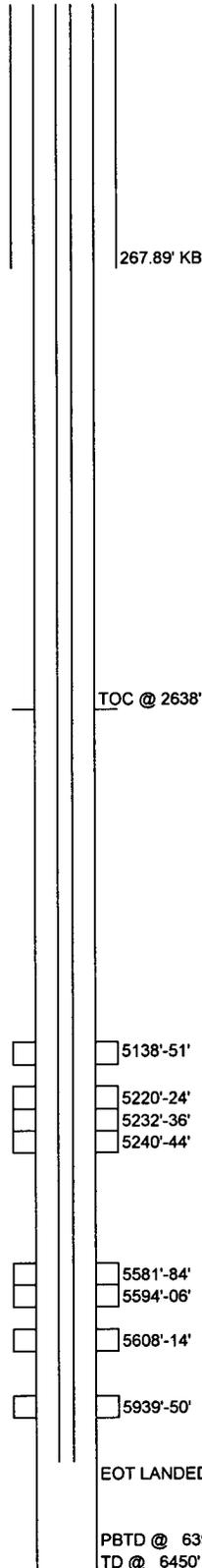
POLISHED ROD:  
SUCKER RODS:

ROD STRING LENGTH:

PUMP NUMBER:  
PUMP SIZE:

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

LOGS: Compensated Neutron/ Litho Density  
Multiple Isotope Spectroscopy  
Repeat Formation Tester  
CBL/GR  
Dual Laterolog



**ACID JOB /BREAKDOWN**

12/12/94	5939'-5950'	Western: 500 gal 15% HCL w/2142 gal 2% KCL wtr & 88 balls. ATP=3000 psi, ATR= 5.0 bpm, ISIP=1100 psi.
12/15/94	5581'-5584' 5594'-5606' 5608'-5614'	Western: Unknown vol. 2 %KCL wtr w/175 ball sealers. Ball action but no ball out. ATP= 2800 psi, ATR=5.5 bpm, ISIP=2000 psi.
12/20/94	5138'-5151'	Western: 2940 gals 2% KCL wtr w/ 100 ball sealers. Ball action but no ball off. ATP=2400 psi, ATR=4.5 bpm, ISIP= 1300 psi.
12/20/94	5220'-5224' 5232'-5236' 5240'-5244'	Western: Unknown vol 2% KCL wtr w/ 100 ball sealers. Balled off. ATP=2500 psi, ATR=5.0 bpm, ISIP= 1100 psi.

**FRAC JOB**

12/13/94	5939'-5950'	Western: 52,486 gal 2% KCL 40,720# 20/40 sand & 34,040# 16/30 sand. ATP=1800 psi, ATR=31.5 bpm, ISIP=1900 psi, 5 min= 1540 psi, 10 min=1390 psi, 15 min=1310 psi, 30 min= 1220 psi.
12/16/94	5581'-5584' 5594'-5606' 5608'-5614'	Western: 41,538 gal 2% KCL wtr w/ 72,560# 20/40 sand, 62,000# 16/30 sand. ATP=2150 psi, ATR=30.6 bpm, ISIP=2050 psi, 5 min=1910, 10 min=1800 psi, 15 min= 1720 psi.
12/21/94	5138'-5151' 5220'-5224' 5232'-5236' 5240'-5244'	Western: 38,724 gal 2% KCL wtr w/ 79,640# 20/40 sand, 66,220# 16/30 sand. ATR= 37 bpm, ISIP= 1650 psi. Frac Grad. = 0.76

**PERFORATION RECORD**

12/12/94	Schlumberger	5939'-5950'	4 SPF	B-1D
12/15/94	Schlumberger	5581'-5584' 5594'-5606' 5608'-5614'	4 SPF 4 SPF 4 SPF	G-5 G-5 G-5
12/19/94	Schlumberger	5138'-5151' 5220'-5224' 5232'-5236' 5240'-5244'	4 SPF 4 SPF 4 SPF 4 SPF	R-5U R-5 R-5 R-5

## **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.**

**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 17<sup>th</sup> 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 Monument Federal #32-25 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Humpback Unit.

**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.

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

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Balcron Monument Federal #32-25 well, the proposed injection zone is from 5138'-5950'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 5138'.

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

The referenced log for the Balcron Monument Federal #32-25 is on file with the Utah Division of Oil, Gas and Mining.

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

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. 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.

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

See Attachment B.

- 2.8 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.

- 2.9 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-67845), in the Monument Butte (Green River) Field, Humpback Unit, and this request is for administrative approval.

**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 Attachment 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 267.89 GL, and the 5-1/2" casing run from surface to 6260' 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 type and source of fluid to be injected is culinary water from the Johnson Water District supply line. 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, and F-2.

**2.8 The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1618 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 fracture gradient for the Balcron Monument Federal #32-25, for proposed zones (5138'-5950') calculates at .75 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 1618 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 Monument Federal #32-25, the injection zone (5138'-5950') 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', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. 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-8.

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.**

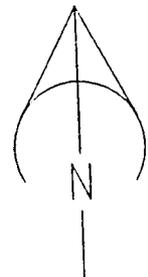
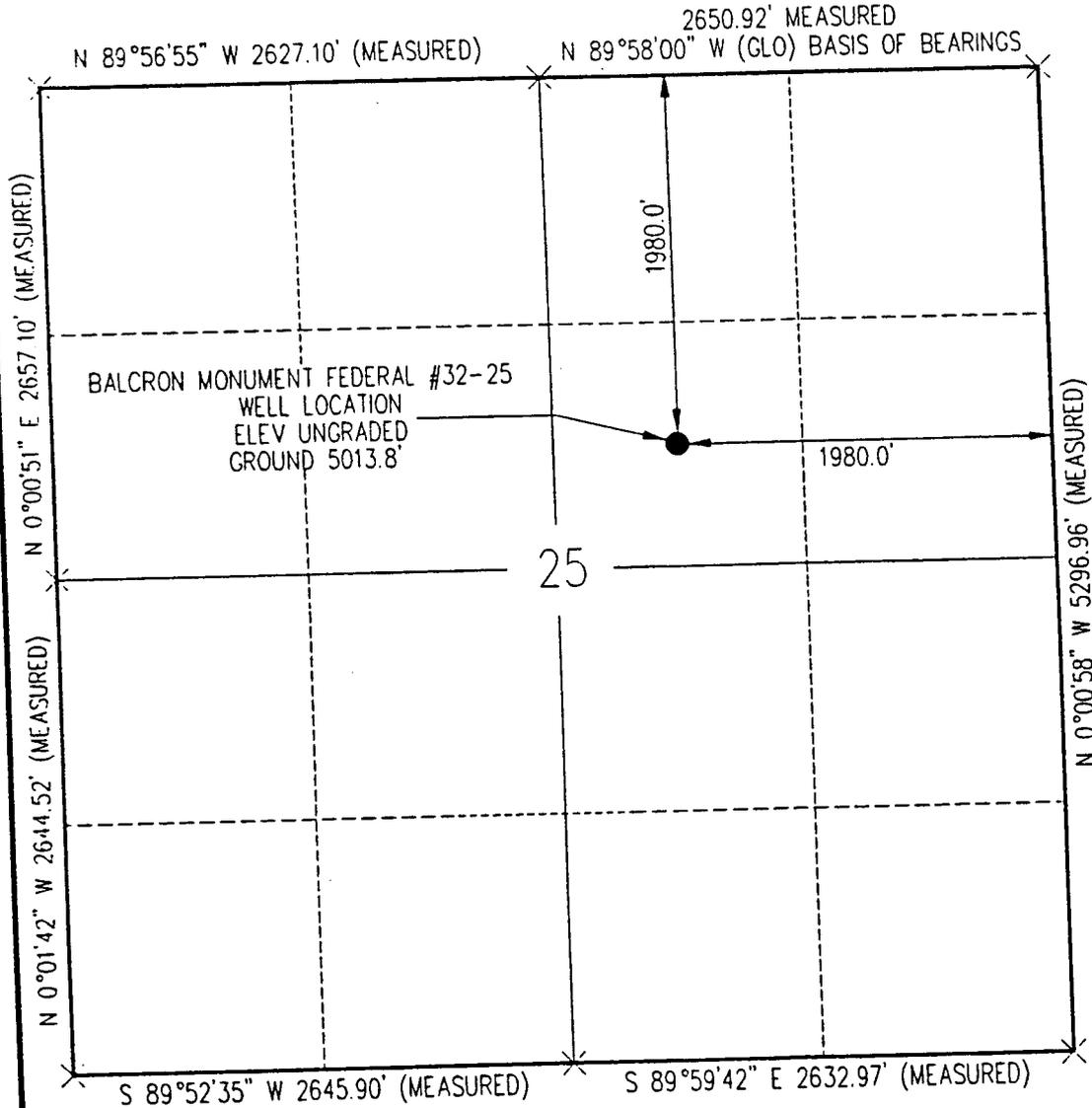
Inland Production Company will supply any requested information to the Board or Division.



T8S, R17E, S.L.B. & M.

EQUITABLE RESOURCES ENERGY CO

WELL LOCATION, BALCRON MONUMENT FEDERAL #32-25, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 25, T8S, R17E, S.L.B. & M., UTAH COUNTY, UTAH.



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

REGISTERED LAND SURVEYOR  
No. 189377  
STACY W. STEWART  
STATE OF UTAH

REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

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

WEATHER: SUNNY & HOT  
DATE: 5/26/94  
SCALE: 1" = 1000'  
SURVEYED BY: SS CB  
FILE: MF#32-25



Attachment A-1

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 8 South, Range 17 East Section 22: NE/4, E/2NW/4, S/2 Section 25: W/2E/2, NW/4 N/2SW/4, SE/SW Section 26: N/2, N/2S/2	U-67845 HBP	Inland Production Company	(Surface Rights) USA
2	Township 8 South, Range 17 East Section 23: Lot 1, SE/4NE/4, E/2SE/4 Section 24: Lots 2-5, SW/4, W/2SE/4	U-45431 HBP	Inland Production Company	(Surface Rights) USA
3	Township 8 South, Range 17 East Section 24: L1, E/2SW/4 Section 25: E/2E/2, SW/4SW/4 Section 26: SE/4SE/4	U-74870 HBP	Inland Production Company	(Surface Rights) USA

Attachment B  
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	Township 8 South Range 18 East Section 26: S/2SE/4 Section 28: S/2SW/4, SW/4SE/4 Section 29: S/2 Section 30: Lots 1-4, E/2W/2, SE/4 Section 34: N/2; Section 35: N/2N/2, SE/4NE/4	U-51081 HBP	Wildrose Resources Corp	(Surface Rights) USA

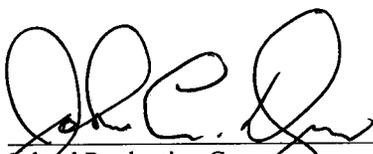
Attachment B  
(Pg 2 of 2)

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Balcron Monument Federal #32-25

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:   
Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 20<sup>th</sup> day of April, 1998.

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



My Commission Expires 11/14/2000



Elev.GR - 5059.59' GL  
Elev.KB - 5069.59' KB (10' KB)

**Balcron Monument Federal #32-25**  
Monument Butte (Humpback Unit)  
Lease #U-67845  
SW NE Section 25, T8S, R16E  
1980' FNL, 1980' FEL  
Uintah County, Utah

## WELLBORE DIAGRAM

DATE : 7/22/96 DZ

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 273.89' (7 jts)  
DEPTH LANDED: 267.89' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sks "G", 2% CaCl<sub>2</sub>,  
1/4#/sk Cello-Seal.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 6263.07'  
DEPTH LANDED: 6259' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 150 sks super "G", 47 #/sk gel  
20#/sk POZ, 17#/sk CSF, 3%  
salt, 2% Gel, 2# sk HI-Seal,  
1/4#/sk Cello-Seal.  
Tailed w/371 sks 60/50 POZ  
2% gel, 1/4#/sk Cello-Seal  
2#/sk Hi-Seal.

CEMENT TOP AT: 2638' KB

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 164 jts (5079.86')  
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'  
NO. OF JOINTS: 29 jts (899.04')  
SEATING NIPPLE: 2-7/8"x1.10'  
PERFORATED SUB: 2-7/8"x4.20'  
MUD ANCHOR: 2-7/8"x31.65'  
TOTAL STRING LENGTH: 6018.6'  
SN LANDED AT: 5992.75' KB

### SUCKER RODS

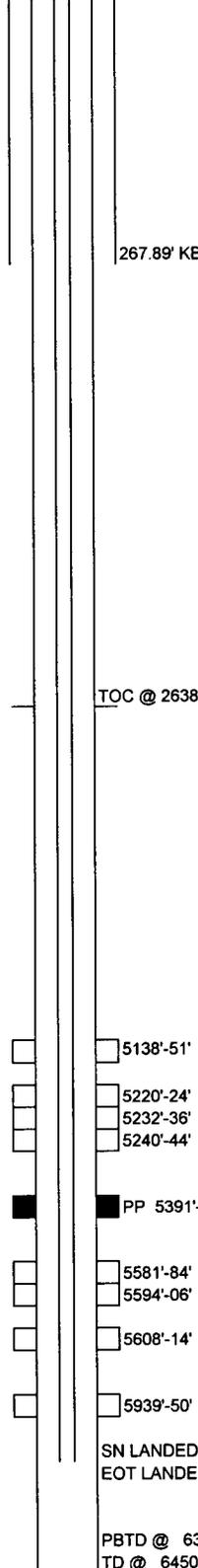
POLISHED ROD: 1-1/4"x22' SM  
SUCKER RODS: 1-3/4"x2' Pony  
1-3/4"x6' Pony  
1-3/4"x8' Pony  
237-3/4"x25' D-61 Plain

ROD STRING LENGTH: 5963'

PUMP NUMBER: Trico #1069  
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 64"  
PUMP SPEED, SPM: 6.0 SPM  
PUMPING UNIT SIZE: Lufkin 228D-TCI-TR  
PRIME MOVER: Ajax E-30

LOGS: Compensated Neutron/ Litho Density  
Multiple Isotope Spectroscopy  
Repeat Formation Tester  
CBL/GR  
Dual Laterolog



### ACID JOB /BREAKDOWN

Date	Interval	Description
12/12/94	5939'-5950'	Western: 500 gal/15% HCL w/2142 gal 2% KCL wtr & 88 balls. ATP=3000 psi, ATR= 5.0 bpm, ISIP=1100 psi.
12/15/94	5581'-5584' 5594'-5606' 5608'-5614'	Western: Unknown vol. 2 %KCL wtr w/175 ball sealers. Ball action but no ball out. ATP= 2800 psi, ATR=5.5 bpm, ISIP=2000 psi.
12/20/94	5138'-5151'	Western: 2940 gals 2% KCL wtr w/ 100 ball sealers. Ball action but no ball off. ATP=2400 psi, ATR=4.5 bpm, ISIP= 1300 psi.
12/20/94	5220'-5224' 5232'-5236' 5240'-5244'	Western: Unknown vol 2% KCL wtr w/ 100 ball sealers. Balled off. ATP=2500 psi, ATR=5.0 bpm, ISIP= 1100 psi.

### FRAC JOB

Date	Interval	Description
12/13/94	5939'-5950'	Western: 52,486 gal 2% KCL 40,720# 20/40 sand & 34,040# 16/30 sand. ATP=1800 psi, ATR=31.5 bpm, ISIP=1900 psi, 5 min=1540 psi, 10 min=1390 psi, 15 min=1310 psi, 30 min=1220 psi.
12/16/94	5581'-5584' 5594'-5606' 5608'-5614'	Western: 41,538 gal 2% KCL wtr w/ 72,560# 20/40 sand, 62,000# 16/30 sand. ATP=2150 psi, ATR=30.6 bpm, ISIP=2050 psi, 5 min=1910, 10 min=1800 psi, 15 min=1720 psi.
12/21/94	5138'-5151' 5220'-5224' 5232'-5236' 5240'-5244'	Western: 38,724 gal 2% KCL wtr w/ 79,640# 20/40 sand, 66,220# 16/30 sand. ATR= 37 bpm, ISIP= 1650 psi. Frac Grad.= 0.76

### PERFORATION RECORD

Date	Company	Interval	SPF	Notes
12/12/94	Schlumberger	5939'-5950'	4 SPF	B-1D
12/15/94	Schlumberger	5581'-5584'	4 SPF	G-5
		5594'-5606'	4 SPF	G-5
		5608'-5614'	4 SPF	G-5
12/19/94	Schlumberger	5138'-5151'	4 SPF	R-5U
		5220'-5224'	4 SPF	R-5
		5232'-5236'	4 SPF	R-5
		5240'-5244'	4 SPF	R-5

### PROPOSED PERFORATIONS :

5391' - 5404'	G-1L	13 ft	4 SPF
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Elev.GR - 5059' GL  
Elev.KB - 5071' KB (12' KB)

BALCRON MONUMENT FED. #12-25  
SW NW Sec.25, T8S, R17E  
1486' FNL, 875.7' FWL  
Lease #U-67845  
Undesignated ( Humpback Unit )  
Uintah County, Utah

## WELLBORE DIAGRAM

DATE : 10/29/96 DZ

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (273.90 ft)  
DEPTH LANDED: 270' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sxs class "G" w/ 2% CaCl +  
1/4 #/sk CelloSeal

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 145 jts (6270.32 ft)  
DEPTH LANDED: 6248.32' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 170 sxs super "G" w/ (47# class "G" +  
20# Poz A + 17# CSE + 2# HiSeal3 +  
1/4 # CelloSeal)/sk + 2% gel + 3% salt,  
Tailed by 495 sxs 50/50 POZ + 2% gel +  
1/4 #/sk CelloSeal + 2#/sk HiSeal2.

CEMENT TOP AT: 2560' KB per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 169 jts (5193.68 ft)  
TUBING ANCHOR: 2-7/8" x 5-1/2" (2.75 ft) w/ 18" tension  
NO. OF JOINTS: 4 jts (125.42 ft)  
SEATING NIPPLE: 2-7/8" x 1' (1.10 ft)  
PERFORATED SUB: 2-7/8" x 3' (3.02 ft)  
MUD ANCHOR: 2-7/8" x 31' (31.38 ft)  
TOTAL STRING LENGTH: 5357.35 ft (EOT @ 5369' KB)  
SN LANDED AT: 5335' KB

### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: one - 3/4" x 2' Pony  
two - 3/4" x 6' Pony  
211 - 3/4" x 25' Plain D-61

TOTAL STRING LENGTH: 5305.5 ft

PUMP NUMBER: Trico #1088  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
w/ PA plunger

STROKE LENGTH: 86 in.  
PUMP SPEED, SPM: 5.75 SPM  
PUMPING UNIT SIZE: Lufkin LM-228D-213-86T  
PRIME MOVER: Ajax E-42

LOGS: Compensated Neutron-Litho-  
Density, Dual Laterolog, Cement  
Bond - Gamma Ray

### ACID JOB /BREAKDOWN

5246' - 5306' 12/6/94 Western : 168 gal 2% KCl water pad, followed  
by 1302 gal 2% KCl water w/ 125 ball sealers.  
No ball out. ATP-2200 psi, Max-4540 psi,  
ATR-5.4 bpm, Max-5.4 bpm. ISIP-700 psi,

270' KB

### FRAC JOB

5246' - 5306' 12/6/94 Western : 6090 gal 2% KCl water pad followed  
by 22,470 gal 2% KCl gel w/ 60,366# 20/40 +  
55,106# 16/30 sand. Flush w/ 5208 gal 2% KCl  
water. ATP-1800 psi, Max-2080 psi, ATR-  
30 bpm, Max-30.8 bpm. Flush-30 bpm.  
ISIP-1600 psi, 5 min-1440 psi, 10 min-1270 psi,  
15 min-1120 psi, 30 min-960 psi.

TOC @ 2560' KB

### PERFORATION RECORD

Interval	Date	SPF	Length	Holes	Rating
5246' - 5260'	12/5/94	2	14 ft	28 holes	R5
5262' - 5266'	12/5/94	2	4 ft	8 holes	R5
5270' - 5272'	12/5/94	2	2 ft	4 holes	R5
5293' - 5306'	12/5/94	2	13 ft	26 holes	R5

5246' - 5260'	R5
5262' - 5266'	R5
5270' - 5272'	R5
5293' - 5306'	R5

SN LANDED @ 5335' KB  
EOT LANDED @ 5369' KB

PBTD @ 6202' KB  
TD @ 6250' KB





Elev.GR - 5060' GL  
Elev.KB - 5070' KB (10' KB)

**WELLBORE DIAGRAM**

**BALCRON MONUMENT FEDERAL #21-25**  
NE NW Section 25, T8S, R17E  
747.6' FNL, 1963.6' FWL  
Lease #U-67845  
Undesignated Field ( Humpback Unit )  
Duchesne County, Utah

DATE : 10/25/96 vk

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 9 jts (389.55 ft)  
DEPTH LANDED: 399.55' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 230 sxs class "G" w/ 2%  
CCL + 1/4 #/sk CelloSeal

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 149 jts (6281.32 ft)  
DEPTH LANDED: 6290' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 194 sxs super "G" w/ (47# "G" + 20#  
Poz A + 17# CSE + 2# HiSeal + 1/4#  
CelloSeal)/sk + 3% salt +2% gel Tailed  
w/ 535 sxs 50/50 POZ + 2% gel + (1/4#  
CelloSeal + 2# HiSeal2)/sk

CEMENT TOP AT: 1874' KB per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 170 jts (5277.58 ft)  
TUBING ANCHOR: 2-7/8" x 5-1/2" (2.35 ft)  
NO. OF JOINTS: 24 jts (737.84 ft)  
SEATING NIPPLE: 2-7/8" x 1' (1.10 ft)  
PERFORATED SUB: 2-7/8" x 3' (3.20 ft)  
MUD ANCHOR: 2-7/8" x 31' (31.85 ft)  
TOTAL STRING LENGTH: 6053.92 ft (EOT @ 6064' KB)  
SN LANDED AT: 6029' KB

**SUCKER RODS**

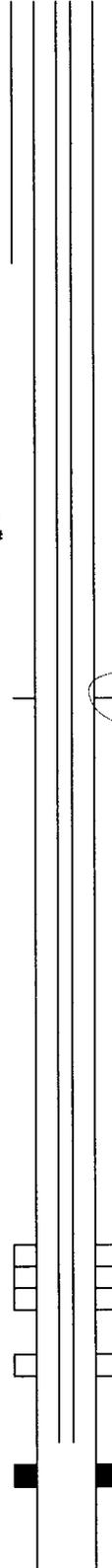
POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: one - 3/4" x 6' pony  
one - 3/4" x 8' pony  
239 - 3/4" x 25' Plain D-61

TOTAL STRING LENGTH: 6005.5 ft

PUMP NUMBER: Trico #?  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
w/ PA plunger

STROKE LENGTH: 72 in.  
PUMP SPEED, SPM: 7.5 SPM  
PUMPING UNIT SIZE: CMI 160-200-74  
PRIME MOVER: Arrow

LOGS: Comensated Neutron-  
Litho-Density, Dual Latero-  
log, CBL w/ Gamma Ray



**ACID JOB /BREAKDOWN**

11/10/94 5998' - 6002' Western : 672 gal 15% HCl acid w/ 32 ball sealers. No ball off. Flush w/ 1470 gal 2% KCl wtr. ATP-2400 psi, Max-2600 psi, ATR-2 bpm, Flush-4 bpm. ISIP-1200 psi.

11/14/94 5308' - 5337' Western : 1554 gal 3% KCl wtr w/ 75 ball sealers. Flush w/ 1344 gal 3% KCl wtr. ATP-2500 psi, Max-4000 psi, ATR-4.2 bpm, Flush-6.1 bpm. ISIP-400 psi.

**FRAC JOB**

11/11/94 5998' - 6002' Western : 2016 gal 2% KCl wtr pad followed by 4704 gal 2% KCl gel w/ 17,020# 20/40 + 10,360# 16/30 sand. Flush w/ 5964 gal 2% KCl wtr. ATP-3000 psi, Max-3100 psi, ATR-30 bpm, Max-31.1 bpm. ISIP-1950 psi, 5 min-1670 psi, 10 min-1510 psi, 15 min-1440 psi, 30 min - 1200 psi

11/17/94 5308' - 5337' Western : 7098 gal 2% KCl pad followed by 26,712 gal 2% KCl gel w/ 80,580# 20/40 + 67,420# 16/30 sand. Flush w/ 5292 gal 2% KCl water. ATP-1600 psi, Max-1870 psi, ATR-30 bpm, Flush-32 bpm. ISIP-1380 psi, 5 min-1110 psi, 10 min-1040 psi, 15 min-990 psi, 30 min-900 psi

**PERFORATION RECORD**

11/14/94 5308' - 5323' 2 SPF 15 ft 30 holes R-5  
11/14/94 5328' - 5334' 2 SPF 6 ft 12 holes R-5  
11/14/94 5337' 2 SPF 1 ft 2 holes R-5  
11/9/94 5998' - 6002' 4 SPF 4 ft 16 holes B-1D

**PROPOSED PERFORATIONS :**

6154' - 6176' 4 SPF 22 ft 88 holes B-3C

399' KB

TOC @ 1874' KB

5308' - 5323' R-5  
5328' - 5334' R-5  
5337' R-5

5998' - 6002' B-1D

SN LANDED @ 6029' KB  
EOT LANDED @ 6064' KB

PP 6154' - 6176' B-3C

PBTD @ 6246' KB  
TD @ 6300' KB



Elev.GR - 5049' GL  
Elev.KB - 5063' KB (14' KB)

Federal #22-25  
Monument Butte Field ( Humpback Unit )  
Lease #UTU-67845  
1667' FNL, 1773' FWL  
SE NW Sec 25, T8S, R17E  
Uintah County, Utah

WELLBORE DIAGRAM

DATE : 9/26/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (294.05 ft)  
DEPTH LANDED: 309' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 225 sxs regular w/ 3% CCL

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15#  
LENGTH: 7036'  
DEPTH LANDED: 7050' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: by Halliburton w/ 425 sx lite  
tailed w/ 350 sxs reg 2% CC

CEMENT TOP AT: 1520' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55 / 6.5#  
NO. OF JOINTS: 149 Jts (4796.36')  
TUBING ANCHOR: 2-7/8" x 5-1/2" x 2.75' Trico  
NO. OF JOINTS: 43 Jts (1380.54')  
SEATING NIPPLE: 2-7/8" x 1.10'  
PERFORATED SUB: 2-7/8" x 4.25'  
MUD ANCHOR: 2-7/8" x 31.77'  
STRING LENGTH: 6216.77'  
SN LANDED AT: 6194.75' KB

SUCKER RODS

WELL LAST PULLED : 9/3/96

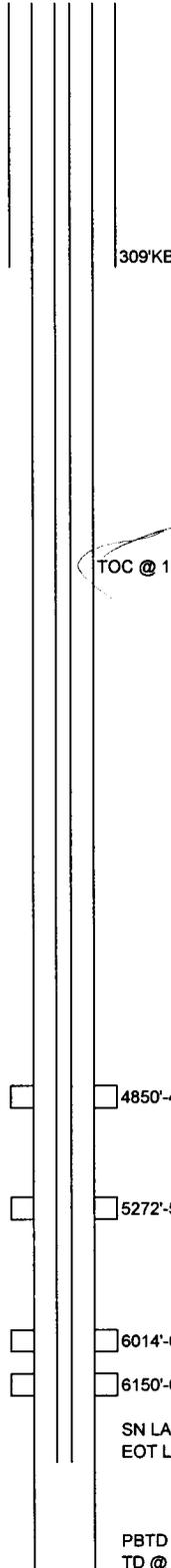
POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 102 - 7/8" x 25' D-61 w/ 2.5" metal scrapers  
145 - 3/4" x 25' D-61 Plain

TOTAL STRING LENGTH: 6192'

PUMP NUMBER: Trico #1175  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RwAC w/ PA plunger

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

LOGS: CBL  
Dual Laterolog/GR  
Temperature  
Compensated Densilog  
Compensated Neutron/Gr



ACID JOB /BREAKDOWN

2/10/95	6150'-6154'	Western: 2310 gal 2% KCL wtr w/ 8 ball sealers. Ball off. ATP=2500 psi, ATR=3.8 bpm, ISIP=1650 psi. 10 min-440 psi, 15 min-410 psi.
2/9/95	6014'-6025'	Western: 1764 gal 2% KCL wtr w/ 14 ball sealers. ATP=2000 psi, ATR=4.0 bpm, ISIP=1400 psi.
8/12/91	5272' - 5290'	Smith: w/ 76 bbls hot 2% KCl @4600', dropped 146 balls, some ball action ATP=1880 psi, ATR=9 bpm, ISIP=650 psi. 5 min-450 psi, 10 min-440 psi, 15 min-410 psi.
12/11/91	4850' - 4862'	Western: 840 gal 2% KCl w/ 96 balls. Flush w/ 924 gal, balled out. ATP=3000 psi, ATR=3.5 bpm, ISIP=2000 psi Est. inj. rate of 6.9 bpm @ 3500 psi

FRAC JOB

2/10/95	6014'-6025' 6150'-6154'	Western: 25,872 gal 2% KCl wtr w/ 46,660# 20/40 + 47,900# 16/30 sand ATP=5000 psi, ATR=21 bpm, ISIP=1800 psi, 5 min=1580 psi, 10 min=1500 psi, 15 min=1460 psi 1460 psi.
8/13/91	5272' - 5290'	Smith : 40,000 gal pad, 27,366 gal frac fluid w/ 293,000# 16/30 sand ATP=1600 psi, ATR=50 bpm, ISIP=2040 psi.
12/12/91	4850' - 4862'	Western : 14,994 gal pad, 20,664 gal frac fluid w/ 28,125# 16/30 sand Flush w/ 2646 gal, ATP=3100 psi, ATR=35 bpm, Screen Out when 10# sand hit formation

PERFORATION RECORD

2/8/95	6014' - 6025'	7 holes	B-2
	6150' - 6154'	4 holes	B-3C
8/12/91	5272' - 5290'	4 SPF 75 holes	R-5
12/10/91	4850' - 4862'	4 SPF 48 holes	Y-5

SN LANDED @ 6194.75' KB  
EOT LANDED @ 6230.77' KB

PBT @ 6802' KB  
TD @ 7000' KB



Elev. GR - 4992' GL  
Elev. KB - 5002' KB (10' KB)

Balcron Monument Federal # 23-25  
Monument Butte ( Humpback Unit )  
Lease #U-67845  
NE SW Section 25, T8S, R17E  
1927' FSL, 2139' FWL  
Uintah County, Utah

WELLBORE DIAGRAM

DATE : 10/25/96 vk

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 260.50' (6 jts)  
DEPTH LANDED: 270.50' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: By Western W/ 160 sxs class "G", 2% CaCL2, 1/4#/sk cello-seal.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 6173.26' (146 jts)  
DEPTH LANDED: 6182.26' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 50 sxs super "G", 47#/sk POZ, 17#/sk CSE, 3% salt, 2% gel, 5#/sk HISEAL, 2-1/4#/sk CELLOSEAL  
Tailed w/ 125 sxs super "G", 47#/sk G +20#/sk POZ, 17#/sk CSE, 3% salt, 2% GEL, 2#/sk HISEAL, 2-1/4#/sk CELLOSEAL  
450 sxs 50/50 POZ + 2% GEL, 2#/sk HISEAL

CEMENT TOP AT: 2230' KB

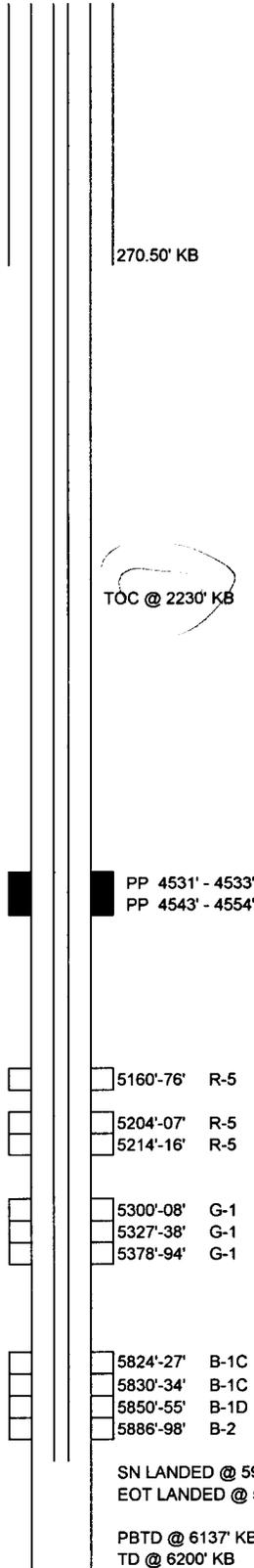
**TUBING**

SIZE/GRADE/WT.: 2-7/8" EUE / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (5108.03')  
TUBING ANCHOR: 2 7/8 x 5 1/2 - 2.35  
NO. OF JOINTS: 27 jts (831.27')  
SEATING NIPPLE: 2 7/8 - 1.10'  
PERFORATED SUB: 2 7/8 - 4.20'  
MUD ANCHOR: 2 7/8 / 31.07'  
STRING LENGTH: 5978.02'  
SN LANDED AT: 5952.75' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4"x22'  
SUCKER RODS: 237- 3/4"x25' D-61 Plain  
  
STRING LENGTH: 5925'  
  
PUMP NUMBER: Trico # 1127  
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC  
  
STROKE LENGTH: 85.5"  
PUMP SPEED, SPM: 7-1/2" SPM  
PUMPING UNIT: American 228-213-86  
PRIME MOVER: Ajax EH-30

LOGS: Digital Sonic Log  
Dipole Shear Anisotropy Log  
Integrated Porosity Lithology Log  
CBL/GR  
Formation Microimager Monitor Log  
Mechanical Properties Impact Log



**ACID JOB /BREAKDOWN**

2/8/95 5824'-5827' Western: 2940 gal 2% KCL wtr w/ 100 ball sealers, ball action seen but no ball out. ATP= 4700 psi, ATR=6.0 bpm ISIP= 1000 psi.  
5830'-5834'  
5850'-5855'  
  
2/8/95 5886'-5898' Western: 3150 gal 2% KCL wtr w/ 100 ball sealers. Ball action seen but no ball off. ATP= 2300 psi, ATR= 5.9 bpm, ISIP=1000 psi.  
  
2/13/95 5300'-5308' Western: 3486 gals 2% KCL w/ 150 ball sealers. Ball action seen but no ball off. ATP= 2150 psi, ATR= 5.0 bpm, ISIP= 800 psi.  
5327'-5338'  
  
2/13/95 5378'-5394' Western: 4452 gals 2% KCL w/ 125 ball sealers. Ball actions seen but no ball off. ATP=1800 psi, ATR= 6.1 bpm, ISIP= 800 psi.  
  
2/27/95 5160'-5175' Western: 3822 gal 2% KCL wtr, w/ 125 ball sealers. Ball action seen but no ball off. ATP=2400 psi, ATR= 6.8 bpm, ISIP= 1100 psi.  
5204'-5207'  
5214'-5216'

**FRAC JOB**

2/8/95 5824'-5827' Western: 40,908 gal 2% KCL wtr w/ 60,480 # 20/40 sand and 90,640 # 16/30 sand. ATP= 1700 psi, ATR= 31.5 bpm, ISIP=1750 psi, 5 min=1580 psi, 10 min= 1490 psi, 15 min=1420 psi, 30 min=1360 psi.  
5830'-5834'  
5850'-5855'  
5886'-5898'  
  
2/20/95 5300'-5308' Western: 47,208 gals 2% KCL wtr w/ 60,000# 20/40 sand & 92,000# 16/30 sand. ATP=1200 psi, ATR=33.0 bpm, ISIP=1500 psi, 5 min= 1360 psi, 10 min=1250 psi, 15 min=1180 psi, 30 min= 985 psi.  
5327'-5338'  
5378'-5394'  
  
2/27/95 5160'-5175' Western: 37,548 gals 2% KCL wtr, w/ 67,000# 20/40 sand & 68,700# 16/30 sand. ATP= 1950 psi, ATR= 31 bpm, ISIP= 1650 psi.  
5204'-5207'  
5214'-5216'

**PERFORATION RECORD**

Date	Service	Depth	SPF	Grade
2/7/95	Cutter Wireline Service	5824'-5827'	4 SPF	B-1C
		5830'-5834'	4 SPF	B-1C
		5850'-5855'	4 SPF	B-1D
		5886'-5898'	4 SPF	B-2
2/13/95	Cutter Wireline Service	5300'-5308'	4 SPF	G-1
		5327'-5338'	4 SPF	G-1
		5378'-5394'	4 SPF	G-1
2/27/96	Cutter Wireline Service	5160'-5176'	4 SPF	R-5
		5204'-5207'	4 SPF	R-5
		5214'-5216'	4 SPF	R-5

**PROPOSED PERFORATIONS :**

Depth	SPF	Length	Holes
4531' - 4533'	4 SPF	2 ft	8 holes
4543' - 4554'	4 SPF	11 ft	44 holes



Elev.GR - 5020.30' GL  
Elev.KB - 5030.30' KB (10' KB)

**Balconr Monument Federal # 31-25**  
Monument Butte ( Humpback Unit )  
Lease #U-67845  
NW NE Section 25, T8S, R17E  
660' FNL, 1980' FEL  
Uintah County, Utah

**WELLBORE DIAGRAM**

DATE : 7/22/96 DZ

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 304' (7 jts)  
DEPTH LANDED: 314' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sks "G", w% CaCL<sub>2</sub>  
1/4#/sk Cello-Seal.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 6224.50' (148 jts)  
DEPTH LANDED: 6221.00' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 178 sks Super "G", 47#/sk  
G', 20#/sk CSE, 3% salt  
2% gel, 2#/sk Hi-Seal,  
1/4#/sk Cello-Seal.  
  
CEMENT TOP AT: 2336' KB ( Estimated from CBL Log)

**TUBING**

SIZE/GRADE/WT.: 2-7/8" 8rd EUE / J-55 / 6.5#  
NO. OF JOINTS: 170 jts (5230.48')  
TUBING ANCHOR: 2-7/8"x2.35' Trico  
NO. OF JOINTS: 25 jts (773.32')  
SEATING NIPPLE: 2-7/8"x1.10'  
PERFORATED SUB: 2-7/8"x4.20'  
MUD ANCHOR: 2-7/8"x30.23'  
STRING LENGTH: 6041.68'  
SN LANDED AT: 6017.25' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4"x22' SM  
SUCKER RODS: 3-3/4"x4' Pony  
1-3/4"x8' Pony  
239-3/4"x25' D-61 Plain  
TOTAL STRING LENGTH: 6017'  
  
PUMP NUMBER: Trico #1063  
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC  
  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 4.0 SPM  
PUMPING UNIT: American T30F120  
PRIME MOVER: Ajax Mod. E-42

LOGS: Dual Laterolog  
Spectral Density Dual Spaced Neutron  
CBL/GR

**ACID JOB /BREAKDOWN**

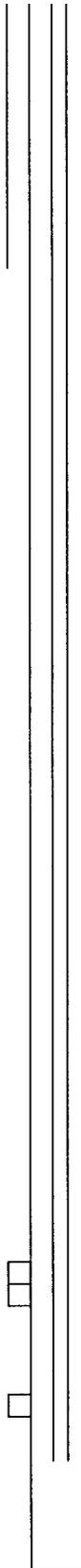
1/05/95	5972'-5978'	Western: 500 gal 15% HCL w/ 50 ball sealers. ATP= 2300 psi, ATR=3.0 bpm.
1/9/95	5272'-5278' 5283'-5285' 5294'-5304'	Western: 3406 gal 2% KCL wtr, 150 ball sealers. Ball action but no ball off. ATP= 1300 psi, ATR= 5.2 bpm, ISIP= 500 psi.

**FRAC JOB**

1/05/95	5972'-5978'	Western: 32,200 gal 2% KCL wtr 22,700# 20/40 sand. ATP= 1850 psi, ATR= 33.5 bpm, ISIP= 1530 psi, 5 min= 1400 psi, 10 min= 1300 psi, 15 min= 1230 psi.
1/10/95	5272'-5278' 5283'-5285' 5294'-5304'	Western: 29,232 gal 2% KCL w/ 55,540# 20/40 sand, 57,380# 16/30 sand. ATP= 1500 psi, ATR=30.5 bpm, ISIP=1550 psi, 5 min= 1230 psi, 10 min= 1080 psi, 15 min= 1010 psi, 30 min= 920 psi.

**PERFORATION RECORD**

1/5/95	Cutter	5972'-5978'	4 SPF	B-1D
1/9/95	Cutter	5283'-5285' 5294'-5304'	4 SPF	R-5 R-5



314' KB

TJC @ 2336' KB

5283'-5285' R-5  
5294'-5304' R-5

5972'-5978' B-1D

SN LANDED @ 6017' KB  
EOT LANDED @ 6041.68' KB

PBTD @ 6180.89' KB  
TD @ 6226' KB



**Balcron Monument Federal #33-25**  
 Monument Butte ( Humpback Unit )  
 Lease #U-67845  
 NW SE Section 25, T8S, R17E  
 2097' FSL, 2067' FEL  
 Uintah County, Utah

Elev.GR - 4971.50' GL  
 Elev.KB - 4981.50' KB (10' KB)

**WELLBORE DIAGRAM**

DATE : 7/23/96 DZ

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 261.90' ( 7 jts)  
 DEPTH LANDED: 271.90'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: Western: 160 sks class "G"  
 2% CaCl<sub>2</sub>, 1/4#/sk Cello-Seal.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 6132.05' (147 jts)  
 DEPTH LANDED: 6141.05' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: Western: 160 sks Super  
 "G", 47#/sk "G", 20#/sk  
 POZ A, 17 #/sk CSE, 3%  
 salt, 2%gel, 2#/sk Hi-Seal,

CEMENT TOP AT: 2771' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8" 8 rd EUE / J-55 / 6.5#  
 NO. OF JOINTS: 165 jts (5091.06')  
 TUBING ANCHOR: 2-7/8"x5-1/2"x2.35' Trico  
 NO. OF JOINTS: 30 jts (927.72')  
 SEATING NIPPLE: 2-7/8"x1.10'  
 PERFORATED SUB: 2-7/8"x4.20'  
 MUD ANCHOR: 2-7/8"x30.78'  
 STRING LENGTH: 6057.21'  
 SN LANDED AT: 6032.23' KB

**SUCKER RODS**

WELL LAST PULLED:

POLISHED ROD: 1-1/4"x22' SM  
 SUCKER RODS: 1-3/4"x6' Pony  
 240-3/4"x25' D-61 Plain

TOTAL STRING LENGTH: 6028'

PUMP NUMBER: Trico #1089  
 PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 73 inches  
 PUMP SPEED, SPM: 4.0 SPM  
 PUMPING UNIT: Lufkin C-228D-27-74  
 PRIME MOVER: Ajax E-42

LOGS: Dual Laterolog  
 CBL/GR  
 Spectral Density Dual Spaced  
 Neutron log.

**ACID JOB /BREAKDOWN**

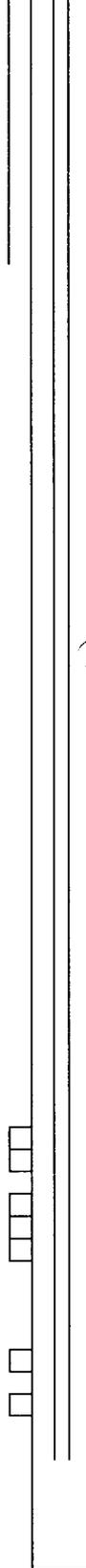
1/24/95	5889'-5925'	Western: 3612 gals 2% KCL wtr w/ 150 ball sealers. Ball action but no ball off. ATP=3500 psi, ATR=5.0 bpm, ISIP=1000 psi.
1/24/95	6021'-6026'	Western: 1764 gal 2% KCL wtr w/ 25 ball sealers. Ball off. ATP= 3200 psi, ATR=5.30 bpm, ISIP=1400 psi.
1/30/95	5163'-5166' 5170'-5180'	Western: 2058 gal 2% KCL wtr w/ 10 ball sealers. Ball action but no ball off. ATP=2200 psi, ATR=4.2bpm.
1/30/95	5299'-5304' 5312'-5320' 5326'-5324'	Western: 2226 gal 2% KCL wtr w/ 20 ball sealers. Ball action but no ball off. ATP=2400 psi, ATR=5.2 bpm, ISIP=650 psi.

**FRAC JOB**

1/25/95	5889'-5925' 6021'-6026'	Western: 47,376 gal 2% KCL wtr w/ 93,640# 20/40 sand & 75,800# 16/30 sand & 75,800# 16/30 sand. ATP=1700 psi, ATR=38.0 bpm, ISIP=1750 psi, 5 min=1550 psi, 10 min=1440 psi, 15 min=1360 psi, 30 min=1220 psi.
1/31/95	5163'-5166' 5170'-5180' 5299'-5304' 5312'-5320' 5326'-5334'	Western: 54,550 gal 2% KCL wtr w/ 95,000# 20/40 sand & 78,000# 16/30 sand. ATP=2000 psi, ATR=34.0 bpm, ISIP=1480 psi, 5 min=1320 psi, 10 min=1220 psi, 15 min=1170 psi, 30 min=1110 psi.

**PERFORATION RECORD**

1/24/95	Schlumberger	5889'-5925'	2 SPF	B-2
		6021'-6026'	2 SPF	B-3C
1/30/95	Schlumberger	5163'-5166'	1 hole	R-5
		5170'-5180'	4 holes	R-5
		5299'-5304'	2 holes	G-1L
		5312'-5320'	6 holes	G-1L
		5326'-5334'	2 holes	G-1L



271.90' KB

TOC @ 2771' KB

5163'-5166' R-5  
 5170'-5180' R-5  
 5299'-5304' G-1L  
 5312'-5320' G-1L  
 5326'-5334' G-1L

5889'-5925' B-2  
 6021'-6026' B-3C

SN LANDED @ 6032.23' KB  
 EOT LANDED @ 6067.21' KB

PBTD @ 6095' KB  
 TD @ 6150' KB



**Balcron Monument Federal #34-25**  
 Monument Butte ( Humpback Unit )  
 Lease #U-67845  
 SW SE Section 25, T8S, R17E  
 800' FSL, 2100' FEL  
 Uintah County, Utah

Elev.GR - 5007.60' GL  
 Elev.KB - 5017.60' KB (10' KB)

**WELLBORE DIAGRAM**

DATE : 7/23/96 DZ

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 288.77'  
 DEPTH LANDED: 298.77' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: BJ Services: 190 sks  
 "G", 2% CACL<sub>2</sub>, 1/4#/sk  
 Cello-Seal

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 6098.14'  
 DEPTH LANDED: 6108.14' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: BJ Services: 220 sks  
 Super "G", 47#/sk G,  
 20#/sk POZ A, 17#/sk CSE,  
 3% salt, 2% gel, 2#/sk Hi-Seal,  
 Tail w/395 sks 50/50 POZ,  
 2% gel, 1/4#/sk Cello-Seal,  
 2#/sk Hi-Seal2.

CEMENT TOP AT: 1730' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55/ 6.5#  
 NO. OF JOINTS: 166 Jts (5197.44')  
 TUBING ANCHOR: 2-7/8"x5-1/2"x2.35' Trico  
 NO. OF JOINTS: 3 Jts (95.19')  
 SEATING NIPPLE: 2-7/8"x1.10'  
 PERFORATED SUB: 2-7/8"x4.20'  
 MUD ANCHOR: 2-7/8"x28.42'  
 STRING LENGTH: 5328.70'  
 SN LANDED AT: 5304.98' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4"x22' SM  
 SUCKER RODS: 2-3/4"x4' Pony  
 212-3/4"x25' D-61 Plain

TOTAL STRING LENGTH: 5330'

PUMP NUMBER: Trico #1124  
 PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 86 inches  
 PUMP SPEED, SPM: 3 SPM  
 PUMPING UNIT: American C-228  
 PRIME MOVER: Ajax E-42

LOGS: Spectral Density Dual Spaced Neutron  
 Dual Laterolog  
 CBL/GR

**ACID JOB /BREAKDOWN**

10/19/95 5257' - 5268' BJ Services: 4179 gal 2%  
 5271' - 5283' KCL wtr w/ 184 ball sealers.  
 Ball action no ball off.  
 ATP=1400 psi, ATR=  
 6.2 bpm, ISIP=550 psi.

**FRAC JOB**

10/20/95 5257' - 5268' BJ Services: 36,456 gal  
 5271' - 5283' 2% KCL wtr w/59,120#  
 20/40 sand, 87,240# 16/30  
 sand. ATP= 1500 psi,  
 ATR=37.5 bpm, ISIP=  
 1550 psi, 5 min=1300 psi,  
 10 min=1250 psi, 15 min=  
 1200 psi, 30 min=1030 psi.

TOC @ 1730' KB

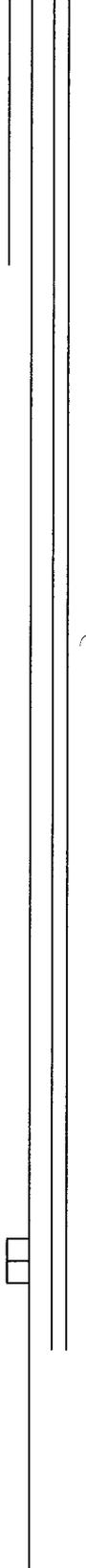
**PERFORATION RECORD**

10/19/95	Cutter	5257' - 5268'	4 SPF	G-1L
		5271' - 5283'	4 SPF	G-1L

5257 - 5268' G-1L  
 5271' - 5283' G-1L

SN LANDED @ 5305' KB  
 EOT LANDED @ 5338.70' KB

PBTD @ 6055' KB  
 TD @ 6175' KB



# Pariette Federal #34-24

Spud Date: 3-24-96  
 Put on Production: 4-26-96  
 GL: 4987' KB: ?

Initial Production: 63 BOPD,  
 35 MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (316.2')  
 DEPTH LANDED: 326' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Premium

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts  
 DEPTH LANDED: 6224'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 160 sx Hifill & 420 sx Premium  
 CEMENT TOP AT: 2160'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / ? / ?  
 NO. OF JOINTS: 171 jts  
 TUBING ANCHOR: 4948'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5291'

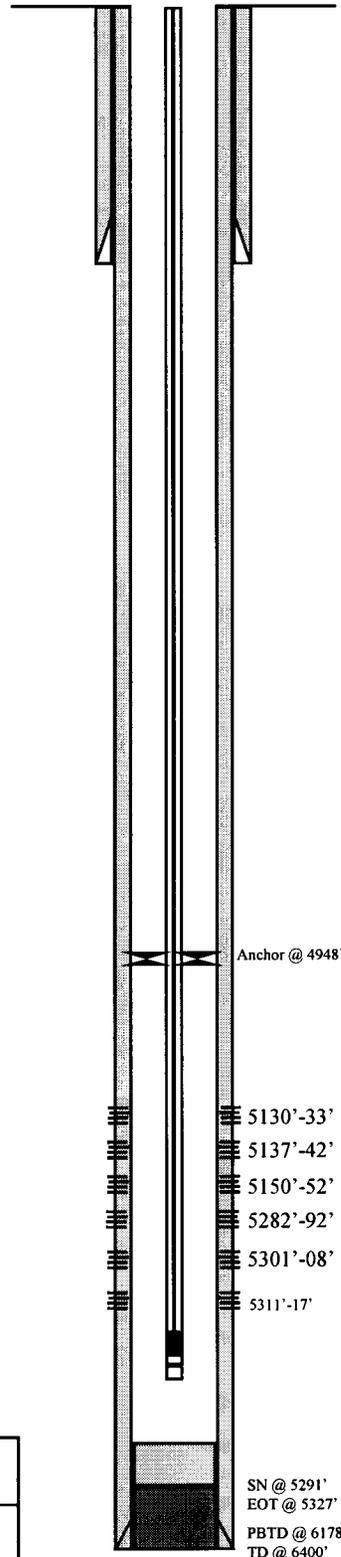
**SUCKER RODS**

POLISHED ROD: 22'x1-1/2"  
 SUCKER RODS: 209-3/4" rods, 1-8', 1-6', 1-2'x7/8" pony rod  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2"x1-1/2"x16' RHAC  
 STROKE LENGTH: ?"  
 PUMP SPEED, SPM: ? SPM  
 LOGS: ARI 6345'-300'  
 FDC/CNL 63954'-4000'

**FRAC JOB**

4-10-96 5282'-5317' **Frac sand as follows:**  
 90,000# 20/40 sand & 26,341 gal water.  
 Treated w/avg press of 1300 psi w/avg rate  
 of 25 BPM. ISIP- 1600 psi, 5 min 1474 psi.

4-15-96 5130'-5152' **Frac sand as follows:**  
 58,000# 20/40 sand & 18,810 gals water.  
 Treated w/avg press of 1600 psi w/avg rate  
 of 20 BPM. ISIP-1787 psi, 5 min 1735 psi.



**PERFORATION RECORD**

Date	Interval	Type	Holes
4-08-96	5311'-5317'	2 JSPF	12 holes
4-08-96	5301'-5308'	2 JSPF	14 holes
4-08-96	5282'-5290'	2 JSPF	20 holes
4-13-96	5130'-5133'	2 JSPF	6 holes
4-13-96	5137'-5142'	2 JSPF	10 holes
4-13-96	5150'-5152'	2 JSPF	4 holes

SN @ 5291'  
 EOT @ 5327'  
 PBTD @ 6178'  
 TD @ 6400'



**Inland Resources Inc.**

**Pariette Federal #34-24**

465 FSL 1781 FEL

SWSE Section 24-T8S-R17E

Uintah Co, Utah

API #43-047-32506; Lease #U-45431

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (801) 722-5068  
Fax (801) 722-5727

Attachment F

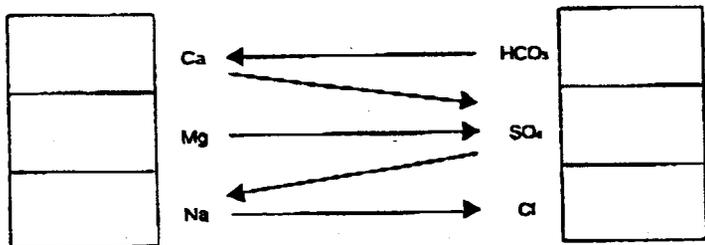
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 01-14-98  
 Source Johnson Water  
FRESH WATER Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>300</u>	÷ 61 <u>5</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	÷ 35.5 <u>1</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>110</u>	÷ 48 <u>2</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>44</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		MG <u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

\*Mill equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Eqiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>2</u>			<u>146</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	<u>1</u>			<u>84</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>2</u>			<u>142</u>
NaCl	58.45	<u>1</u>			<u>59</u>

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

REMARKS \_\_\_\_\_

# Water Analysis, Scaling Tendency, and Compatibility Evaluation

Company : INLAND

Field / Lease : Monument Butte

Service Engineer : John Pope

A = Johnson Water

B = Pariette Federal 9-23

Chemical Component	100 % A	90% A:10%B	80%A:20% B	70%A:30% B	60%A:40% B	50%A:50% B	40%A:60% B	30%A:70% B	20%A:80% B	10%A:90% B	100% B
Chloride (Cl) mg/l	2,800	2,780	2,760	2,740	2,720	2,700	2,680	2,660	2,640	2,620	2,600
Sulfate (SO4) mg/l	455	420	386	351	316	282	247	212	177	143	108
Carbonate (CO3) mg/l	0	12	24	36	48	60	72	84	96	108	120
Bicarbonate (HCO3) mg	268	314	361	407	454	500	546	593	639	686	732
Calcium (Ca) mg/l	232	237	242	246	251	256	261	266	270	275	280
Magnesium (Mg) mg/l	131	128	124	121	117	114	111	107	104	100	97
Iron (Fe) mg/l	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0
Barium (Ba) mg/l	0	0	0	0	0	0	0	0	0	0	0
Strontium (Sr) mg/l	0	0	0	0	0	0	0	0	0	0	0
Sodium (Na) mg/l	1,621	1,619	1,617	1,615	1,613	1,611	1,609	1,607	1,605	1,603	1,601
Ionic Strength	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Dissolved Solids (TDS)	5,510	5,513	5,516	5,520	5,523	5,527	5,530	5,534	5,537	5,540	5,544
Specific Gravity @ 60F	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005
Temperature (F)	100	100	100	100	100	100	100	100	100	100	100
Is (TOMSON-ODDO)	0.08	0.31	0.54	0.76	0.98	1.19	1.39	1.59	1.78	1.98	2.17
Pressure (psia)	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Field pH	6.93	7.08	7.23	7.38	7.53	7.69	7.84	7.99	8.14	8.29	8.44
% CO2 (Mole %)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

**Scaling Tendency (Pounds per Thousand BBLs of Scale Which Should Form)**

CaCO3 (Tomson-Oddo)	8.9	58.1	97.7	133.8	163.7	187.2	204.8	217.7	227.3	234.9	241.1
BaSO4 (Tomson)	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
CaSO4 (Tomson)	-1121.8	-1126.3	-1130.9	-1135.5	-1140.2	-1145.0	-1149.8	-1154.7	-1159.6	-1164.6	-1169.6
SrSO4 (Tomson)	-28.8	-30.7	-32.8	-35.1	-37.7	-40.7	-44.1	-47.9	-52.2	-57.1	-62.7

**Attachment G**

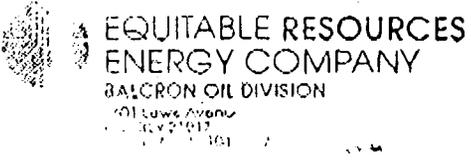
**Balcron Monument Federal #32-25  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5138	5244	5191	1650	0.75	1618 ←
5581	5614	5598	2050	0.80	2036
5939	5950	5945	1900	0.75	1870
				<b>Minimum</b>	<u><u>1618</u></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.

Frac Gradient is obtained from the service company's frac summary report.



TREATMENT REPORT

Date of Treatment: 12-13-94

Well name Monument Fed. 32-25 SEC. 25 TWN. 8 S RNG. 17 E  
 to Monument Butte County Uintah State Utah

Location/Perforations: Green River / 5939-50

Treatment type: SAND FRAC Total Number of Holes: 144  
 Treatment Company: WESTERN

Sand Characteristics

Slurry No.	Fluid	Conc.	Size	Volume
<u>Slurry CLEAN</u>				
	Gal	BPM	PSI	1
<u>74</u>	<u>3100</u> Gal.	<u>2% KCL WATER PAD 0</u>	<u>30.0</u>	<u>2290</u>
<u>29</u>	<u>1125</u> Gal.	<u>"</u>	<u>2 #</u>	<u>2130</u>
<u>61</u>	<u>2160</u> Gal.	<u>"</u>	<u>4 #</u>	<u>20140</u>
<u>79</u>	<u>2700</u> Gal.	<u>"</u>	<u>5 #</u>	<u>2250</u>
<u>70 58</u>	<u>1900</u> Gal.	<u>"</u>	<u>6 #</u>	<u>20140</u>
<u>64</u>	<u>2100</u> Gal.	<u>"</u>	<u>6 #</u>	<u>8640</u>
<u>08 78</u>	<u>2500</u> Gal.	<u>"</u>	<u>7 #</u>	<u>20140</u>
<u>141</u>	<u>5922</u> Gal.	<u>" FLUSH 0</u>	<u>32.0</u>	<u>1630</u>
	Gal.			<u>13500</u>
	Gal.			<u>16330</u>
	Gal.			<u>12600</u>
	Gal.			<u>17500</u>
	Gal.			<u>21440</u>
	Gal.			<u>1</u>
	Gal.			<u>1</u>

TOTAL FLUID PUMPED: 52486 gal. 2% Acid  
2% KCL WATER fluid

TOTAL SAND VOL. 40,720 lbs. 20140 sand  
34,040 lbs. 16130 sand  
1 lbs. sand  
1 lbs. bauxite

Load well with 5922 gal. of 2% KCL WATER

ball sealers were pumped. Was ball action seen? Yes

Slurry Rate of Load to Recover 533 BUT.

Av. Treating Pressure = 1900 psi, max = 2370 psi, min = 1670 psi.  
 Av. Treating Rate = 31.5 bpm, max = 32.0 bpm, min = 30.0 bpm.  
 SI = 1900 psi, 5 min. = 1540 psi, 10 min. = 1390 psi, 15 min. = 1310 psi.  
 Well will be shut in for 2.3 hrs. before bringing back fluid. 30 MIN. = 1220 PSI

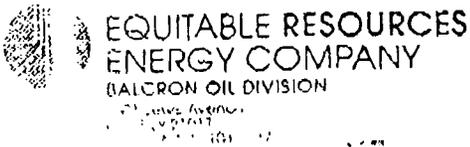
REMARKS: 20 BBL. TO LOAD HOLE

FORCED CLOSURE FLOW BACK, .5 BPM, 30 MIN. = 15 BOW

.759 FRAC GRADIENT

Well site Supervisor: Dalab

TREATMENT REPORT



Date of Treatment: 12-16-94

Well Name: Monument Fed, 32-25  
Monument Butte County: Uintah

SEC. 25 TWN. 85 RNG. 17 E  
 State Utah

Location/Perforations: Green River / 5581-84, 5594-5606, 5608-14

Treatment type: SAND FRAC

Total Number of Holes: 84

Treatment Company: WESTERN

Sand Characteristics

Well No	Fluid	Conc.	Size	Volume
<u>ALWAYS CLEAN</u>				
	Gal.	BPM	PSI	1
<u>142</u>	<u>7000</u> Gal.	<u>2% KCL WATER, PAD 0</u>	<u>32.9</u>	<u>2410</u>
<u>45</u>	<u>1900</u> Gal.	<u>1 #</u>	<u>30.0</u>	<u>20140</u>
<u>75</u>	<u>2900</u> Gal.	<u>2 #</u>	<u>28.4</u>	<u>2420</u>
<u>108</u>	<u>4000</u> Gal.	<u>3 #</u>	<u>30.9</u>	<u>2470</u>
<u>138</u>	<u>4900</u> Gal.	<u>4 #</u>	<u>30.5</u>	<u>2130</u>
<u>161</u>	<u>5000</u> Gal.	<u>5 #</u>	<u>30.5</u>	<u>2160</u>
<u>182</u>	<u>6000</u> Gal.	<u>6 #</u>	<u>30.2</u>	<u>2050</u>
<u>111 104</u>	<u>3300</u> Gal.	<u>7 #</u>	<u>30.0</u>	<u>1960</u>
<u>132+</u>	<u>5577</u> Gal.	<u>FLUSH 0</u>	<u>30.2</u>	<u>2140</u>
			<u>30.0</u>	<u>2380</u>

TOTAL FLUID PUMPED: 41536 gal. 2% KCL WATER fluid

TOTAL SAND VOL: 72,560 lbs. sand  
20140 lbs. sand  
16130 lbs. sand  
1 lbs. sand  
1 lbs. bauxite

Well treated with 5577 gal. of 2% KCL WATER  
 ball sealers were pumped. Was ball action seen? NO

Wells of Load to Recover 989 BTR.

Flow Treating Pressure = 2150 psi, max = 2520 psi, min = 1960 psi.  
 Flow Treating Rate = 30.6 bpm, max = 32.9 bpm, min = 28.4 bpm.  
 Shut-in Pressure = 2050 psi, 5 min. = 1910 psi, 10 min. = 1900 psi, 15 min. = 1720 psi.  
 Well will be shut in for 21 hrs. before bringing back fluid. 30 MIN. = PSI

REMARKS: ~~3 BBL. TO LOAD HOLE~~  
~~SHUT DN FOR LEAK W/ 2# AT PERFS. DOWN 4 MIN., STARTUP, 2380 AT 30.5~~

~~FRAC CAPTURE~~

Well site Supervisor: Dale G. [Signature]



**EQUITABLE RESOURCES ENERGY COMPANY**  
 BALCRON OIL DIVISION  
 1401 Lewis Avenue  
 P.O. Box 21017  
 Billings, MT 59104-1017

TREATMENT REPORT

Date of Treatment : 12-24-94

Well Name Monument Fed, 32-25 SEC. 25 TWN. 8 S RNG. 17 E  
 Field Monument Butte County Utah State Utah

Formation/Perforations: Green River / 5138-51, 5220-24, 5232-36, 5240-44

Treatment type: SAND FRAC Total Number of Holes: 100  
 Treatment Company: WESTERN

Well	Volume	Fluid	Conc.	Sand Characteristics			
				Size		Volume	
	Gal.			BPM	PSI		ACTUAL CALC.
157	6600	Gal. 2% KCL WATER, PAD	0	<del>37.7</del>	2350	1	# 600 #
15	600	Gal. "	1 #	36.5	2120	20/40	# 1200 #
16	600	Gal. "	2 #	36.5	2060	20/40	# 46500 #
42	1550	Gal. "	3 #	36.9	1910	20/40	# 15200 #
107	3800	Gal. "	4 #	37.5	1670	20/40	# 30000 #
125	6000	Gal. "	5 #	37.7	<del>1650</del> 1670	20/40	# 25200 #
119	4200	Gal. "	6 #	37.7	1670	20/40	# 28200 #
44	4700	Gal. "	6 #	37.5	1690	16/30	# 35000 #
105	5000	Gal. "	7 #	37.4	1480	16/30	#
				37.2	1430		#
122	5124	Gal. " FLUSH	0	38.0	1650		#
				35.0	1990	1	#

TOTAL FLUID PUMPED: 38,724 gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: 79,640 lbs. 20/40 sand  
66,220 lbs. 16/30 sand  
 lbs. 1 sand  
 lbs. 1 bauxite

Flushed well with 5124 gal. of 2% KCL WATER

ball sealers were pumped. Was ball action seen? 922 BUTR.

Avg. Treating Pressure = 1670 psi, max = 2350 psi, min = 1480 psi.  
 Avg. Treating Rate = 37.3 bpm, max = 38.0 bpm, min = 25.0 bpm.  
 ISIP = 1650 psi, 5 min. = 1550 psi, 10 min. = 1490 psi, 15 min. = 1360 psi.  
 Well will be shut in for 2.3 hrs. before bringing back fluid. 30 MIN. = 1120 PSI

REMARKS: TAB FRAC W/ 90-40 ON PAD, FB-192 ON 20/40, SB-124 ON 16/30  
FORCED CLOSURE FLOW BACK, .5 BPM, 30 MIN. = 15 BBL.

FRAC GRADIENT .258

Well site Supervisor: Dale H. [Signature]

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** Set 161' plug from 5839'-6000' with 30 sxs Class "G" cement.
2. **Plug #2** Set 183' plug from 5481'-5664' with 30 sxs Class "G" cement.
3. **Plug #3** Set 256' plug from 5038'-5294' with 30 sxs Class "G" cement.
4. **Plug #4** Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
5. **Plug #5** Set 100' plug from 218'-318' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
6. **Plug #6** Set 50' plug from surface with 10 sxs Class "G" cement.
7. **Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 268' to surface.**

**The approximate cost to plug and abandon this well is \$18,000.**



Elev.GR - 5059.59' GL  
 Elev.KB - 5069.59' KB (10' KB)

**Balcron Monument Federal #32-25**  
 Monument Butte ( Humpback Unit )  
 Lease #U-67845  
 SW NE Section 25, T8S, R16E  
 1980' FNL, 1980' FEL  
 Uintah County, Utah

**PROPOSED P&A  
 WELLBORE DIAGRAM**

DATE : 7/22/96 DZ

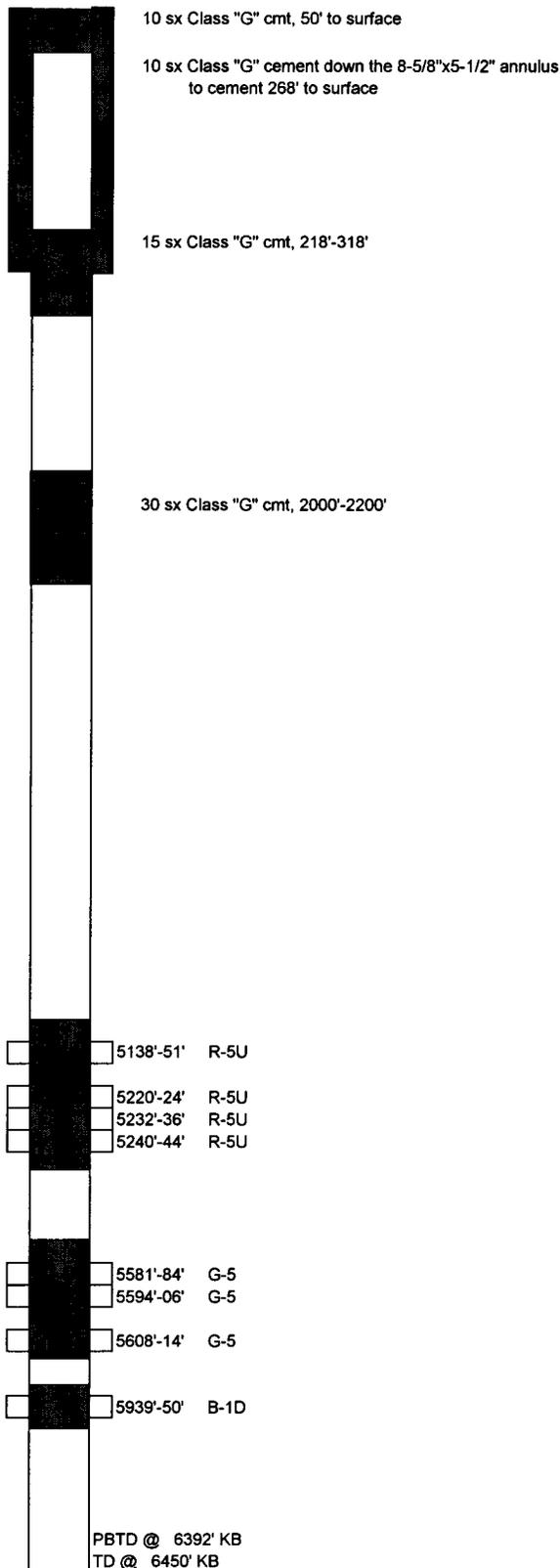
**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 273.89' (7 jts)  
 DEPTH LANDED: 267.89' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sks "G", 2% CaCl<sub>2</sub>,  
 1/4#/sk Cello-Seal.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 6263.07'  
 DEPTH LANDED: 6259' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 150 sks super "G", 47 #/sk gel  
 20#/sk POZ, 17#/sk CSF, 3%  
 salt, 2% Gel, 2# sk HI-Seal,  
 1/4#/sk Cello-Seal.  
 Tailed w/371 sks 60/50 POZ  
 2% gel, 1/4#/sk Cello-Seal  
 2#/sk HI-Seal.

CEMENT TOP AT: 2638' KB



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

10 sx Class "G" cement down the 8-5/8"x5-1/2" annulus  
 to cement 268' to surface

15 sx Class "G" cmt, 218'-318'

30 sx Class "G" cmt, 2000'-2200'

5138'-51' R-5U

5220'-24' R-5U

5232'-36' R-5U

5240'-44' R-5U

5581'-84' G-5

5594'-06' G-5

5608'-14' G-5

5939'-50' B-1D

30 sx Class "G" cmt, 5038'-5294'

30 sx Class "G" cmt, 5481'-5664'

30 sx Class "G" cmt, 5839'-6000'

PBTD @ 6392' KB  
 TD @ 6450' KB

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF INLAND	:	ACTION
PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-212
THE PARIETTE FEDERAL 14-24,	:	
23-24, 34-24, 12-24, 9-23 AND THE	:	
BALCRON MONUMENT FEDERAL	:	
32-25, 21-25, 12-25, 23-25 AND 24-25	:	
WELLS LOCATED IN SECTIONS 23,	:	
24 AND 25, TOWNSHIP 8 SOUTH,	:	
RANGE 17 EAST, S.L.M., UINTAH	:	
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 Pariette Federal 14-24, 23-24, 34-24, 12-24, 9-23 and the Balcron Monument Federal 32-25, 21-25, 12-25, 23-25 and 24-25 wells, located in Sections 23, 24 and 25, Township 8 South, Range 17 East, S.L.M., Uintah 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 and rate will be determined on each individual well 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 following 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 6th day of May 1998.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
John R. Baza  
Associate Director



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

Michael O. Leavitt  
Governor  
Ted Stewart  
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)

May 6, 1998

Newspaper Agency Corporation  
Legal Advertising  
PO Box 45838  
Salt Lake City, Utah 84145

Re: Notice of Agency Action - Cause No. UIC-212

Gentlemen:

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, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt  
Secretary

Enclosure



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

Michael O. Leavitt  
Governor  
Ted Stewart  
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)

May 6, 1998

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066-9998

Re: Notice of Agency Action - Cause No. UIC-212

Gentlemen:

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, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure

**Inland Production Company  
Pariette Federal 14-24, 23-24, 34-24, 12-24, 9-23  
and the Balcron Monument Federal 32-25, 21-25, 12-25, 23-25 and 24-25 Wells  
Cause No. UIC-212**

Publication Notices were sent to the following:

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

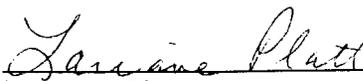
Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

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

  
\_\_\_\_\_  
Lorraine Platt  
Secretary  
May 6, 1998



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

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)

Michael O. Leavitt  
Governor

Lowell P. Braxton  
Division Director

June 30, 1998

Inland Production Company  
475 Seventeenth Street, Suite 1500  
Denver, Colorado 80202

Re: Humpback Unit Wells: Pariette Draw #9-23, Section 23, Township 8 South, Range 17 East; Pariette Federal #12-24, #14-24, #23-24 and #34-24, Section 24, Township 8 South, Range 17 East; Balcron Monument Federal #12-25, #21-25, #23-25 and #32-25, Section 25, Township 8 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 wells to Class II injection wells. 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, Roosevelt

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company      **Well:** Balcron Monument Federal #32-25  
**Location:** 25/8S/17E      **API:** 43-047-32524

**Ownership Issues:** The proposed well is located on Federal land. The well is located in the Humpback Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. Inland and Wildrose Resources hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Humpback 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 268 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6259 feet and has a cement top at 2638 feet. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 5095 feet. A mechanical integrity test will be run on the well prior to injection. There are 8 producing 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 100 feet. Injection shall be limited to the interval between 5138 feet and 5950 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the #32-25 well is .75 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1618 psig. The requested maximum pressure is 1618 psig. The anticipated average injection pressure is 1100 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.

**Pariette Federal #32-25**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Humpback Unit on January 1, 1997. Correlative rights issues were addressed at this 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: 6/30/98

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-67845**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

**HUMPBAC (GR RVR)**

8. Well Name and No.

**MONUMENT FEDERAL 32-25**

9. API Well No.

**43-047-32524**

10. Field and Pool, or Exploratory Area

**PARIETTE DRAW**

11. County or Parish, State

**UINTAH 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)

**1980 FNL 1980 FEL                      SW/NE Section 25, T08S R17E**

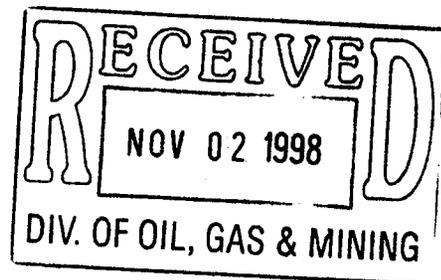
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 <u>Site Security</u>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

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

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

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



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

Signed

*Debbie E. Knight* Title

Manager, Regulatory Compliance

Date

10/30/98

(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

Monument Federal 32-25

SW/NE Sec. 25, T8S, 17E

Uintah County

May 12, 1998

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

**Production Phase:**

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

**Sales Phase:**

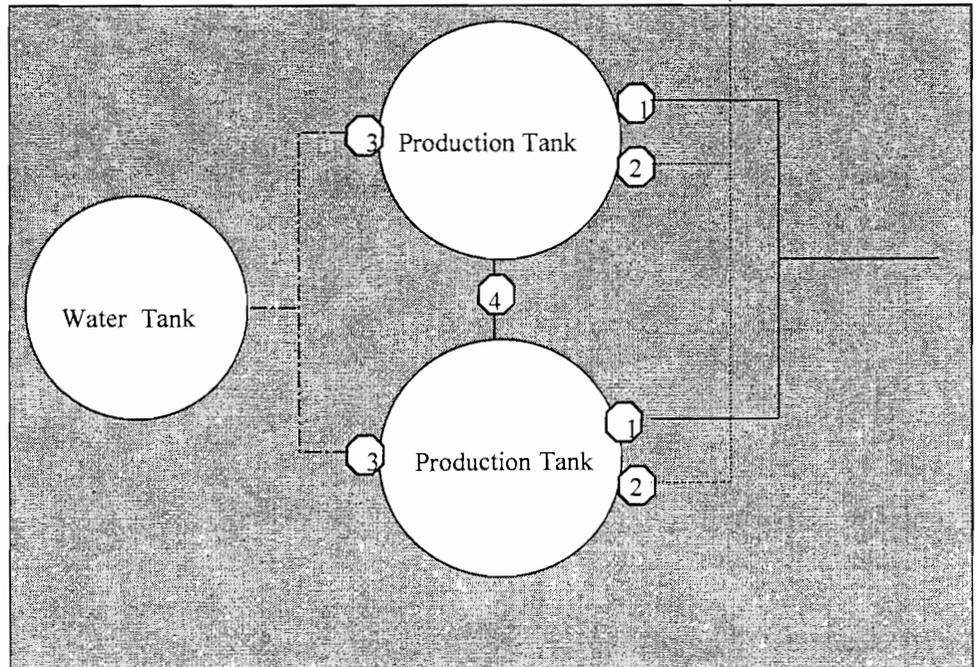
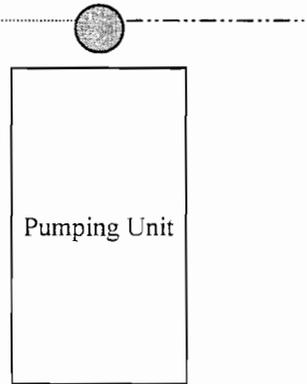
- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

**Draining Phase:**

- 1) Valve 3 open

Diked Section

Gas Sales Meter



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



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

Michael O. Leavitt  
Governor  
Ted Stewart  
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

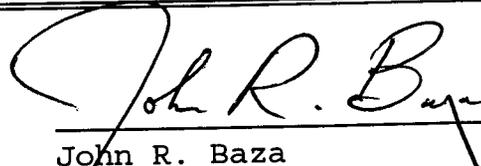
Cause No. UIC-212

Operator: Inland Production Company  
Well: Balcron Monument Federal 32-25  
Location: Section 25, Township 8 South, Range 17 East,  
County: Uintah  
API No.: 43-047-32524  
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

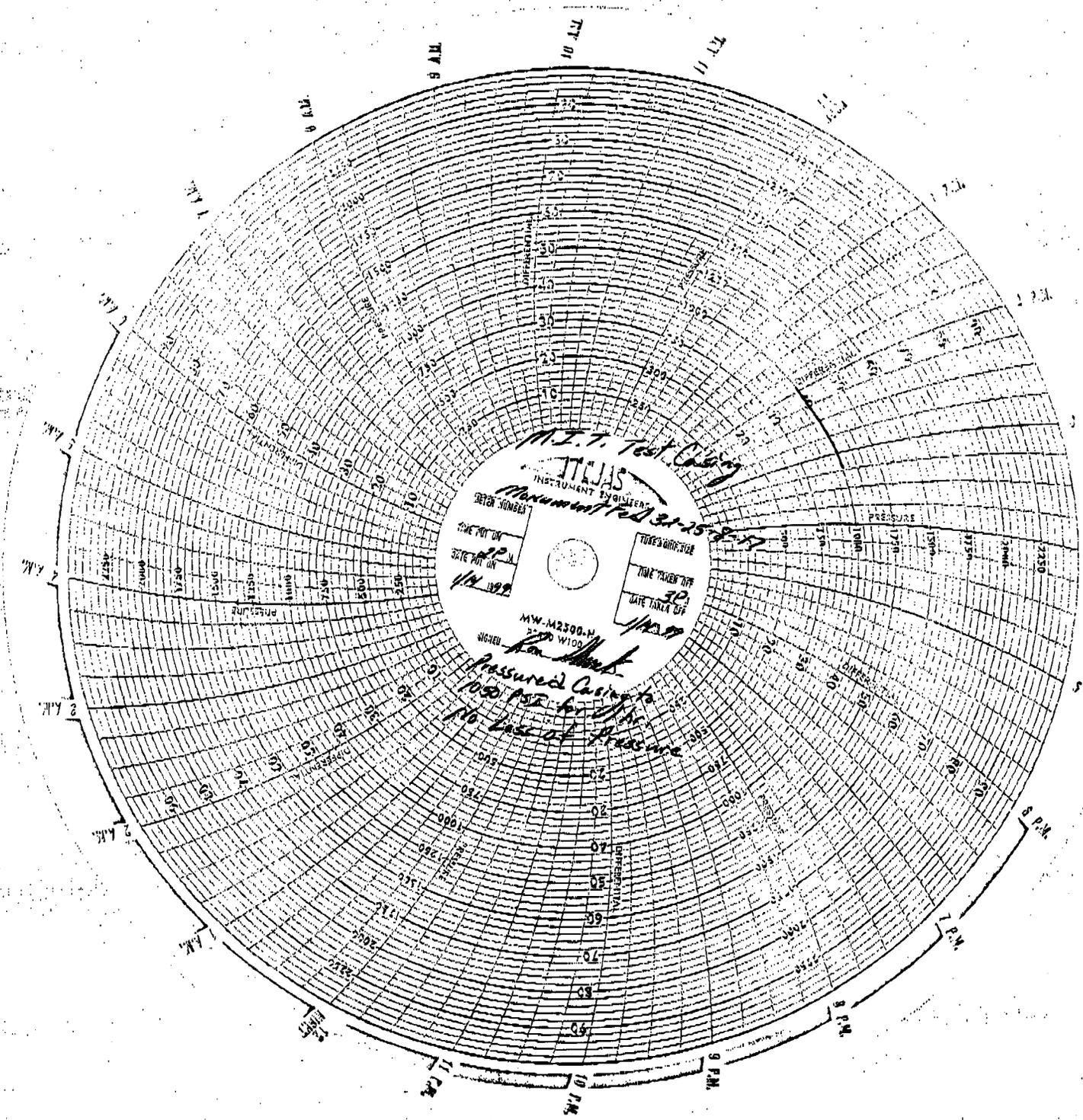
1. Approval for conversion to Injection Well issued on June 30, 1998.
2. Maximum Allowable Injection Pressure: 1618 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (5138 feet - 5950 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil And Gas

2/24/99

Date



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-67845**

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

7. If Unit or CA, Agreement Designation  
**HUMPBACK (GR RVR)**

8. Well Name and No.  
**MONUMENT FEDERAL 32-25**

9. API Well No.  
**43-047-32524**

10. Field and Pool, or Exploratory Area  
**PARIETTE DRAW**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other    **WIW**

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)  
**1980 FNL 1980 FEL                      SW/NE Section 25, T08S 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 <b>Injection</b>
	<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.)\*

RECEIVED  
FEB 08 1999

The above referenced well was put on injection 2/2/99.

RECEIVED  
MAR 15 1999  
DIV. OF OIL & GAS

WTC  
2-23-99  
RSC

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

Signed Shannon Smith Title Engineering Secretary Date 2/3/99

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title **NOTED** Date FEB 10 1999

Conditions of approval, if any:  
**CC: UTAH DOGM**



September 20, 1999

State of Utah  
Division of Oil, Gas & Mining  
Attn: Dan Jarvis  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Dan:

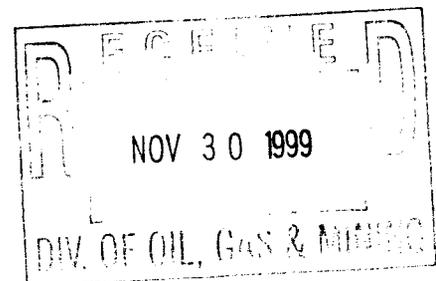
Please find enclosed Step Rate Tests (SRT) results on the Monument Federal #32-25 injection well in the Humpback Unit. The SRT was conducted by Inland Production Company on September 15, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 947 psi for this well.

Thank you for your assistance. If you have any questions or need further information, please don't hesitate to call me at (435) 646-3721.

Sincerely,

Brad Mecham  
Operations Manager

/bm



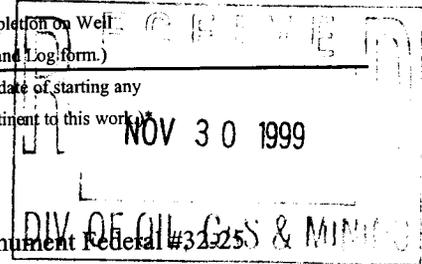
STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<p><b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)</p> <p>OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> INJECTION WELL WELL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <b>U-67845</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b></p> <p>7. UNIT AGREEMENT NAME <b>HUMPBAC (GR RVR)</b></p> <p>8. FARM OR LEASE NAME <b>MONUMENT FEDERAL 32-25</b></p> <p>9. WELL NO. <b>Monument Federal 32-25</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>PARIETTE DRAW</b></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/NE Section 25, T08S R17E</b></p>																			
<p>2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b></p> <p>3. ADDRESS OF OPERATOR <b>Route #3 Box 3630 Myton, Utah 84052 (435) 646-3721</b></p>		<p>12. COUNTY OR PARISH <b>UINTAH</b></p> <p>13. STATE <b>UT</b></p>																			
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/NE 1980 FNL 1980 FEL</b></p>		<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5014 GR</b></p>																			
<p>14. API NUMBER <b>43-047-32524</b></p>		<p>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">NOTICE OF INTENTION TO:</th> <th style="width:50%;">SUBSEQUENT REPORT OF:</th> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> </tr> <tr> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> </tr> <tr> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> </tr> <tr> <td>ABANDON* <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>(OTHER) <b>Step-Rate Test</b> <input checked="" type="checkbox"/></td> </tr> <tr> <td>(OTHER) _____ <input type="checkbox"/></td> <td></td> </tr> </table> <p>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>		NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:	TEST WATER SHUT-OFF <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	(OTHER) <b>Step-Rate Test</b> <input checked="" type="checkbox"/>	(OTHER) _____ <input type="checkbox"/>	
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REPAIR WELL <input type="checkbox"/>	(OTHER) <b>Step-Rate Test</b> <input checked="" type="checkbox"/>																				
(OTHER) _____ <input type="checkbox"/>																					

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On September 15, 1999 Inland Production Company conducted a Step-Rate Test (SRT) on the Monument Federal #32525 & Mining injection well in the Humpback Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure to 947 psi on this well.

*cf. 16187*



18 I hereby certify that the foregoing is true and correct

SIGNED *Brad Mechem*  
Brad Mechem

TITLE **Approved by the  
Utah Division of  
Oil, Gas and Mining**

DATE **9/20/99**

(This space for Federal or State office use)

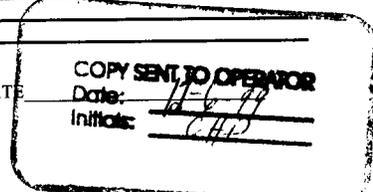
APPROVED BY \_\_\_\_\_

TITLE **Date: 12/6/99**

DATE \_\_\_\_\_

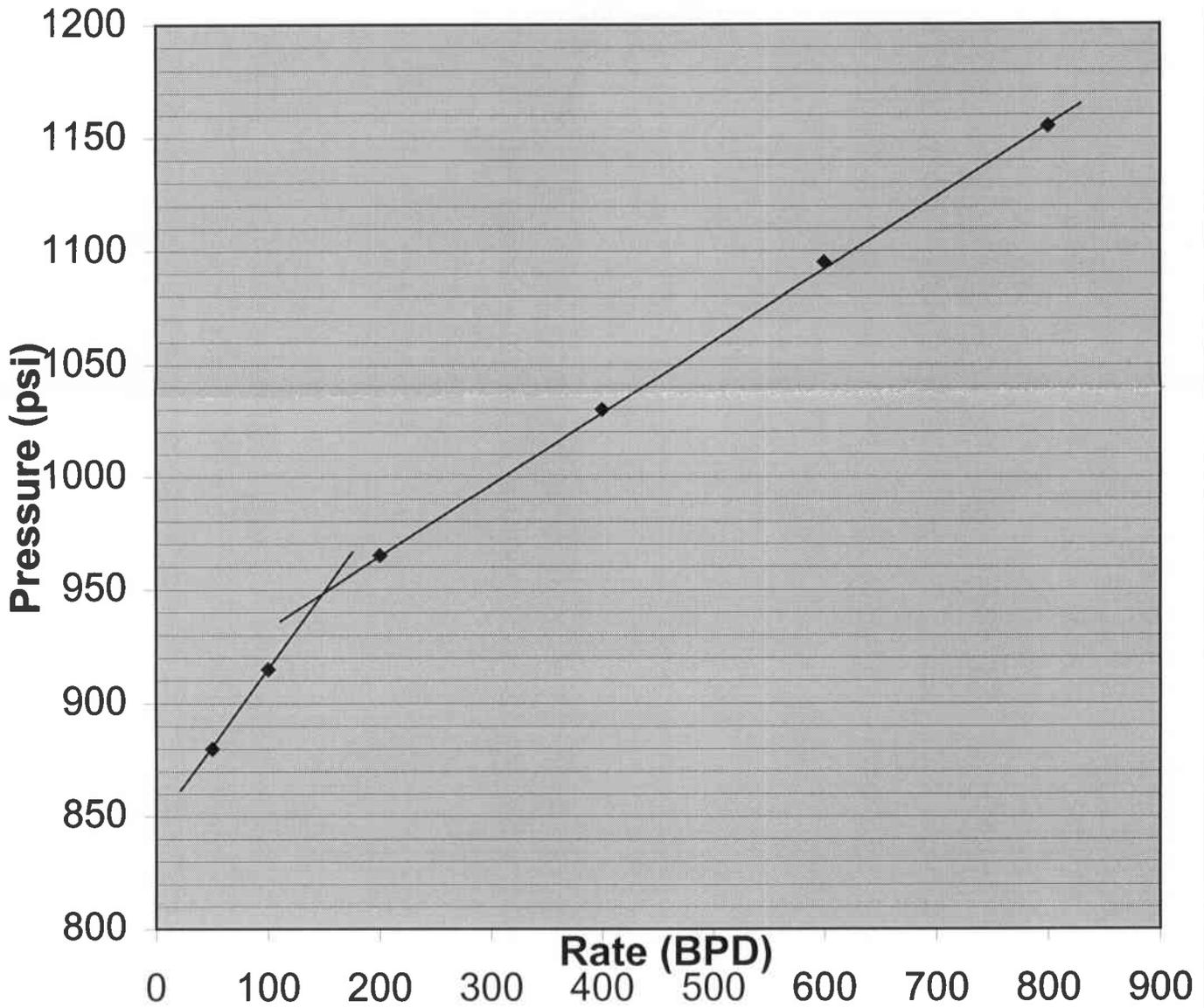
CONDITIONS OF APPROVAL, IF ANY:

By: *[Signature]*





**MF 32-25  
(Humpback Unit)  
Step Rate Test  
September 15, 1999**



**ISIP: 1125**

**Fracture pressure: 947 psi**

**FG: 0.619**

<b>Step</b>	<b>Rate(bpd)</b>	<b>Pressure(psi)</b>
1	50	880
2	100	915
3	200	965
4	400	1030
5	600	1095
6	800	1155

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU76189X HMPBCK

**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:  
HUMPBACK UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER Injection well

8. WELL NAME and NUMBER:  
BALCRON MONUMENT FED 32-25

2. NAME OF OPERATOR:  
Inland Production Company

9. API NUMBER:  
4304732524

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: 1980 FNL 1980 FEL  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SW/NE, 25, T8S, R17E

COUNTY: Uintah  
STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small> 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 <small>(Submit Original Form Only)</small> Date of Work Completion: <u>12/17/2003</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: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
A 5 Year MIT was conducted on the subject well. On 10/12/03 Mr. Al Craver w/EPA was notified of the intent to conduct a MIT on the casing. On 12/15/03 the casing was pressured to 1625 psi w/ no pressure loss charted in the 1/2 hour test. There was no governmental agencies were able to witness the test.

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

NAME (PLEASE) Krishna Russell  
SIGNATURE *Krishna Russell*

TITLE Production Clerk  
DATE December 17, 2003

**RECEIVED**

(This space for State use only)

**DEC 18 2003**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 12 / 15 / 03  
 Test conducted by: BRET HENRIE  
 Others present: \_\_\_\_\_

Well Name: <u>MONUMENT FEDERAL 32-25-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>HUMBACK UNIT</u>		
Location: <u>SW/NE</u> Sec: <u>25</u> T <u>8</u> N/S R <u>17</u> E/W County: <u>UNTAH</u> State: <u>UT</u>		
Operator: <u>TJLANIZ</u>		
Last MIT: <u>114</u> <u>199</u> Maximum Allowable Pressure: <u>1205</u> PSIG		

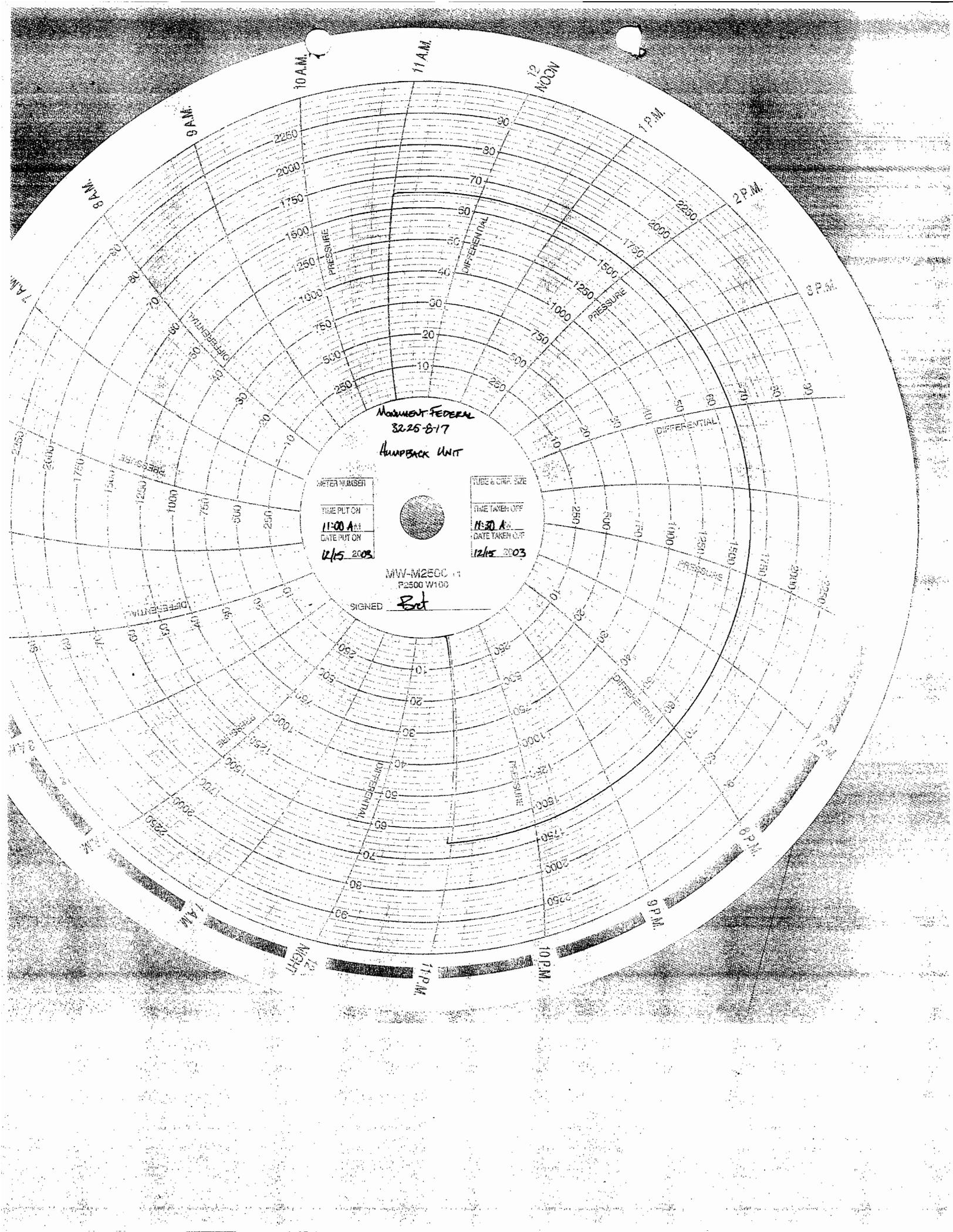
Is this a regularly scheduled test?  Yes [ ] No  
 Initial test for permit? [ ] Yes  No  
 Test after well rework? [ ] Yes  No  
 Well injecting during test? [ ] Yes  No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	1180 psig	psig	psig
End of test pressure	1180 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1625 psig	psig	psig
5 minutes	1625 psig	psig	psig
10 minutes	1625 psig	psig	psig
15 minutes	1625 psig	psig	psig
20 minutes	1625 psig	psig	psig
25 minutes	1630 psig	psig	psig
30 minutes	1630 psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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





MOORE FEDERAL  
3225-817  
HAMPSACK UNIT

METER NUMBER  
TIME PUT ON  
11:00 A.M.  
DATE PUT ON  
2/15 2003

TUBE & GAGE SIZE  
TIME TAKEN OFF  
11:30 A.M.  
DATE TAKEN OFF  
2/15 2003

MW-M2500 11  
P2500 W100

SIGNED *Brd*

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone:	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-10-04  
Title: Perk. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

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

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

**CA No.**

**Unit:**

**HUMPBACK (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
PARIETTE DRAW FED 9-23	23	080S	170E	4304731543	12053	Federal	WI	A
PARIETTE DRAW FED 8-23	23	080S	170E	4304732676	12053	Federal	OW	P
PARIETTE FED 34-24	24	080S	170E	4304732506	12053	Federal	WI	A
PARIETTE FED 13-24	24	080S	170E	4304732546	12053	Federal	OW	P
PARIETTE FED 14-24	24	080S	170E	4304732645	12053	Federal	WI	A
PARIETTE FED 24-24	24	080S	170E	4304732646	12053	Federal	OW	P
PARIETTE FED 23-24	24	080S	170E	4304732710	12053	Federal	WI	A
PARIETTE FED 12-24	24	080S	170E	4304732713	12053	Federal	WI	A
FEDERAL 22-25	25	080S	170E	4304732008	12053	Federal	OW	P
MONUMENT FED 11-25	25	080S	170E	4304732455	12053	Federal	OW	P
MON FED 32-25	25	080S	170E	4304732524	12053	Federal	WI	A
BALCRON MON FED 33-25	25	080S	170E	4304732525	12053	Federal	OW	P
MON FED 12-25	25	080S	170E	4304732526	12053	Federal	WI	A
BALCRON MON FED 21-25	25	080S	170E	4304732528	12053	Federal	WI	A
MONUMENT FED 23-25	25	080S	170E	4304732529	12053	Federal	WI	A
MONUMENT FED 31-25	25	080S	170E	4304732530	12053	Federal	OW	P
BALCRON MON FED 24-25	25	080S	170E	4304732669	12053	Federal	OW	P
BALCRON MON FED 34-25	25	080S	170E	4304732670	12053	Federal	WI	A
HUMPBACK U 1A-26-8-17	26	080S	170E	4304734160	12053	Federal	OW	P
HUMPBACK U 8-26-8-17	26	080S	170E	4304734161	12053	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

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

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

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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



# 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

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		

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU67845

**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, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:  
HUMPBAC UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER Injection well

8. WELL NAME and NUMBER:  
~~BALCRON~~ MONUMENT FED 32-25

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4304732524

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: 1980 FNL 1980 FEL

COUNTY: Uintah

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/NE, 25, T8S, R17E

STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	SubDate	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 04/07/2005	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 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 March 30, 2005. Results from the test indicate that the fracture gradient is .715 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1440 psi.

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

NAME (PLEASE PRINT) Mike Guinn

TITLE Engineer

SIGNATURE: 

DATE: 04/07/2005

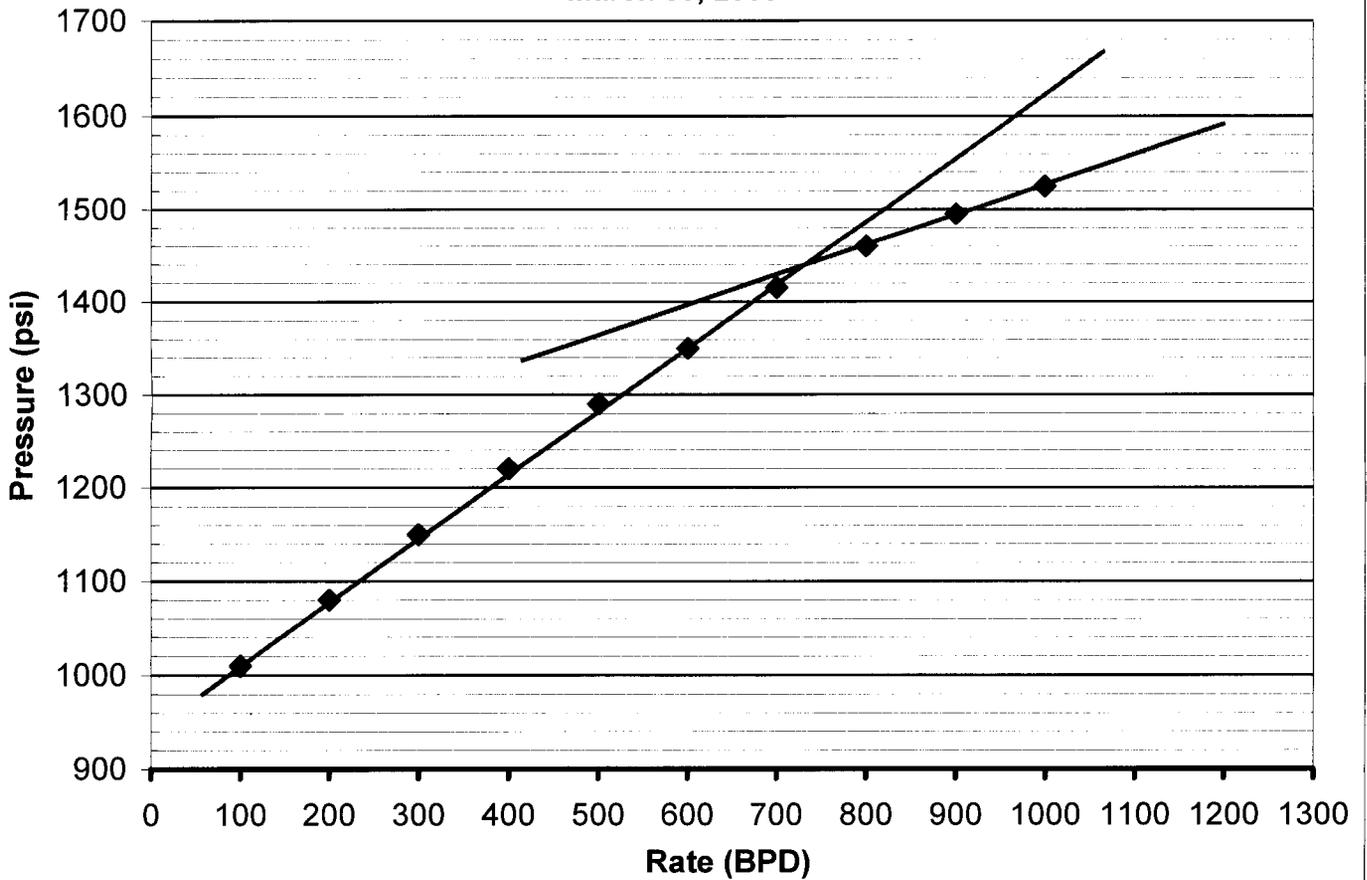
(This space for State use only)

**RECEIVED**

**APR 11 2005**

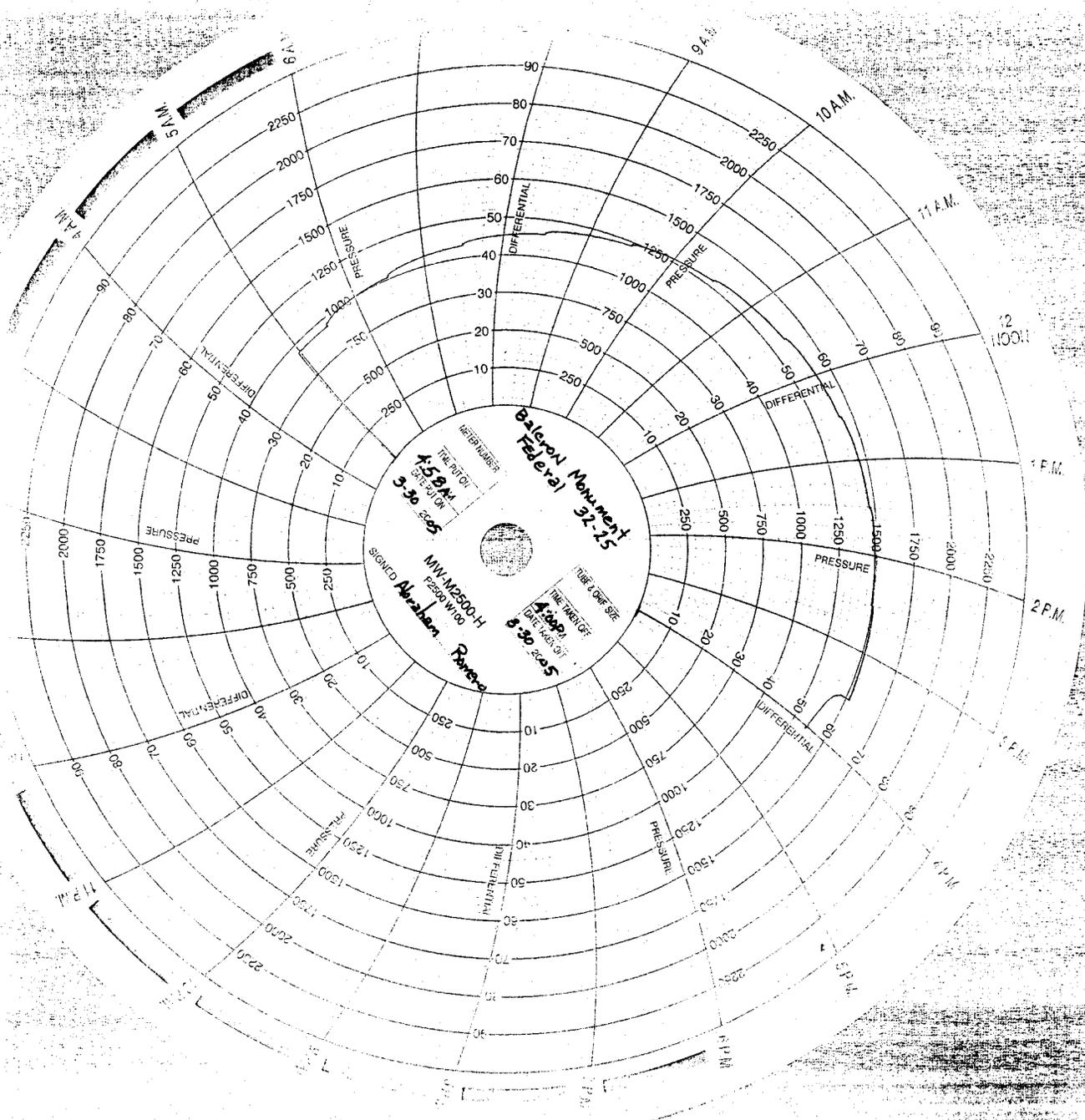
DIV. OF OIL, GAS & MINING

**Balcron Monument Federal 32-25  
Humpback Unit  
Step Rate Test  
March 30, 2005**



**Start Pressure:** 945 psi  
**Instantaneous Shut In Pressure (ISIP):** 1480 psi  
**Top Perforation:** 5138 feet  
**Fracture pressure (Pfp):** 1440 psi  
**FG:** 0.715 psi/ft

<u>Step</u>	<u>Rate(bpd)</u>	<u>Pressure(psi)</u>
1	100	1010
2	200	1080
3	300	1150
4	400	1220
5	500	1290
6	600	1350
7	700	1415
8	800	1460
9	900	1495
10	1000	1525



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU67845
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: HUMBACK UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1980 FNL 1980 FEL		8. WELL NAME and NUMBER: BALCRON MONUMENT FED 32-25
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SW/NE, 25, T8S, R17E		9. API NUMBER: 4304732524
		10. FIELD AND POOL, OR WILDCAT: Monument Butte
		COUNTY: Uintah
		STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	SubDate	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/15/2006	<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 type="checkbox"/> OTHER: -
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well was recompleted in the Green River Formation. Five new intervals were perforated. The GB4 sds 4550'-4564' with 4 JSPF, B.5 sds 5302'-5308' with 4 JSPF, the B2 sds 5392'-5398' with 4 JSPF, the CP.5 sds 5880'-5886' with 4 JSPF, and the CP2 sds 5974'-5982' with 8 JSPF. For a total of 160 shots.

On 3/13/06 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 3/14/06. On 3/14/06 the csg was pressured up to 1110 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-04463 API# 43-047-32524

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

NAME (PLEASE PRINT) Callie Duncan	TITLE Production Clerk
SIGNATURE <i>Callie Duncan</i>	DATE 03/16/2006

(This space for State use only)

**RECEIVED**  
**MAR 22 2006**  
DIVISION OF OIL, GAS AND MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 3 / 14 / 06  
 Test conducted by: Dale Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Monument Fed 32-25-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Hampback Unit</u>		
Location: _____	Sec: <u>25 T 8 N(S) R 17 E/W</u>	County: <u>Uintah</u> State: <u>Wt.</u>
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: <u>1440</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

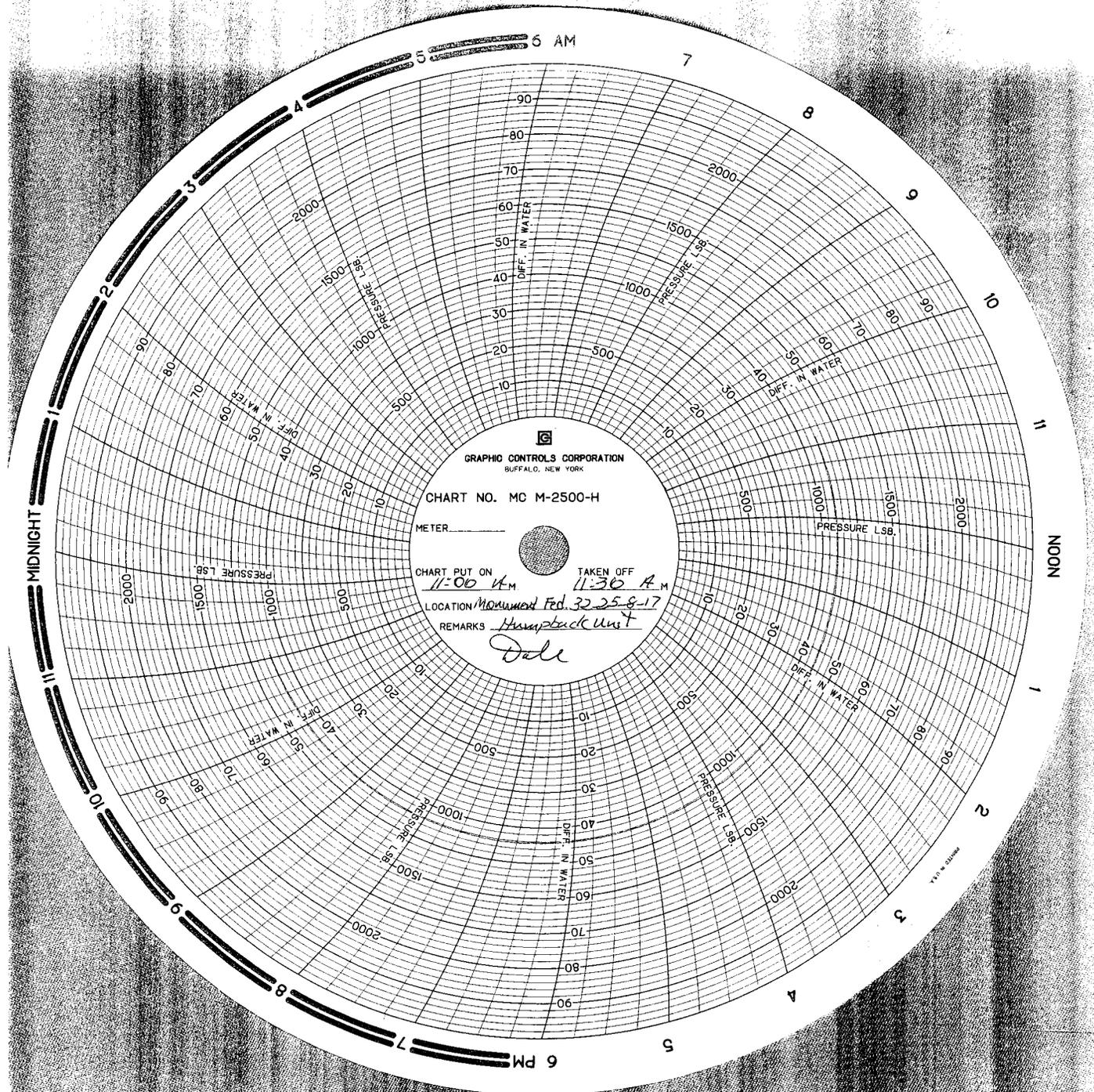
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>500</u> psig	psig	psig
End of test pressure	<u>500</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1110</u> psig	psig	psig
5 minutes	<u>1110</u> psig	psig	psig
10 minutes	<u>1110</u> psig	psig	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
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-67845

**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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
BALCRON MONUMENT FED 32-25

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4304732524

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: 1980 FNL 1980 FEL  
  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 25, T8S, R17E

COUNTY: UINTAH  
  
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  02/23/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 02/22/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 02/23/2011 the casing was pressured up to 1155 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 700 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20852-04463 API# 43-047-32524

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 02/28/2011

(This space for State use only)

**RECEIVED**

**MAR 02 2011**

**DIV. OF OIL, GAS & MINING**

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 2/23/11

Test conducted by: Austin Harrison

Others present: \_\_\_\_\_

Well Name: <u>Monument Energy 32-25-8-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Suite</u>		
Location: <u>32</u> Sec: <u>25</u> T <u>8</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Uintah</u>	State: <u>UT</u>
Operator: <u>NEWFIELD PRODUCTION CO.</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: <u>1275</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

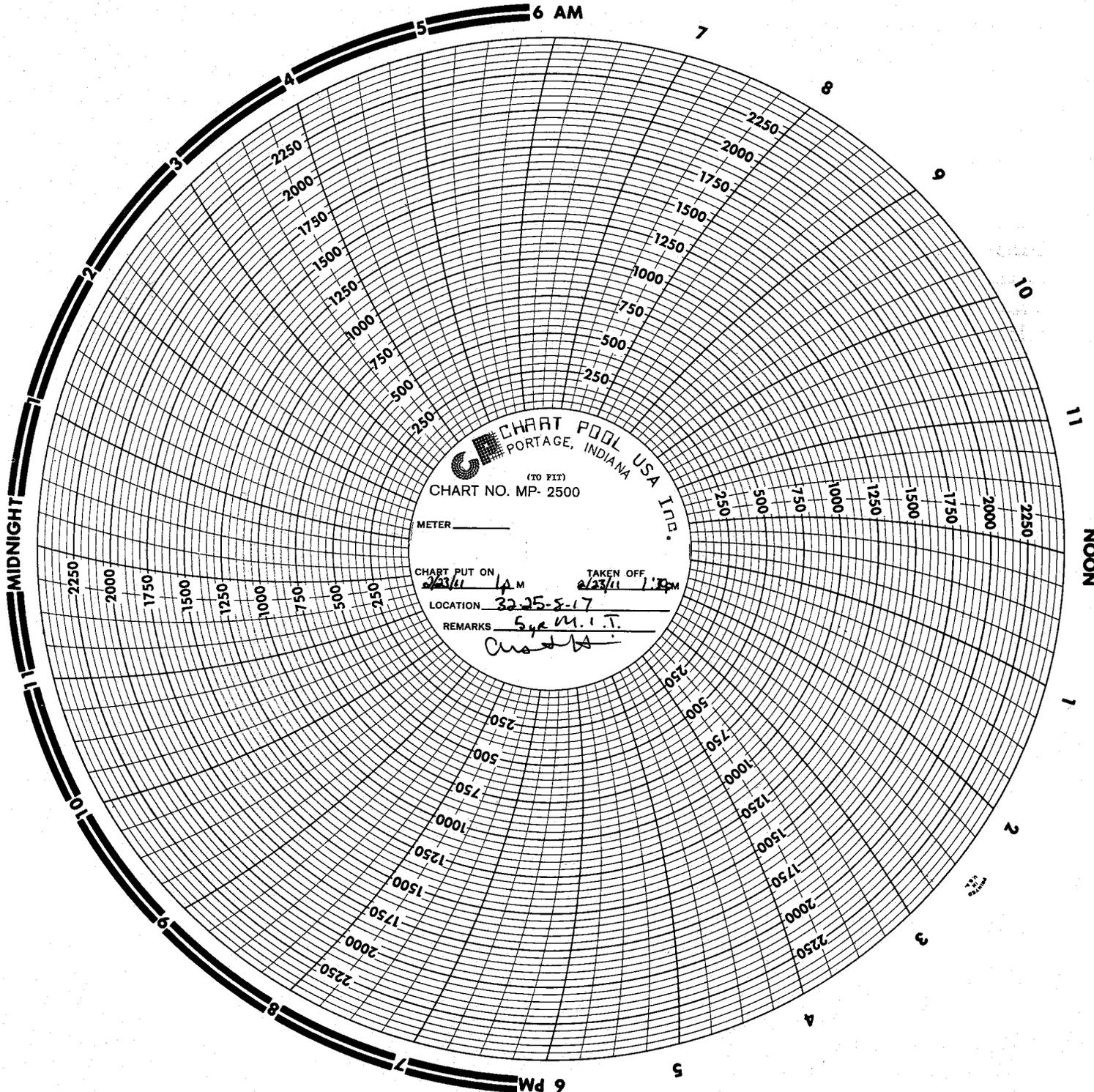
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	700 psig	psig	psig
End of test pressure	700 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1155 psig	psig	psig
5 minutes	1155 psig	psig	psig
10 minutes	1155 psig	psig	psig
15 minutes	1155 psig	psig	psig
20 minutes	1155 psig	psig	psig
25 minutes	1155 psig	psig	psig
30 minutes	1155 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

## MECHANICAL INTEGRITY PRESSURE TEST

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

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



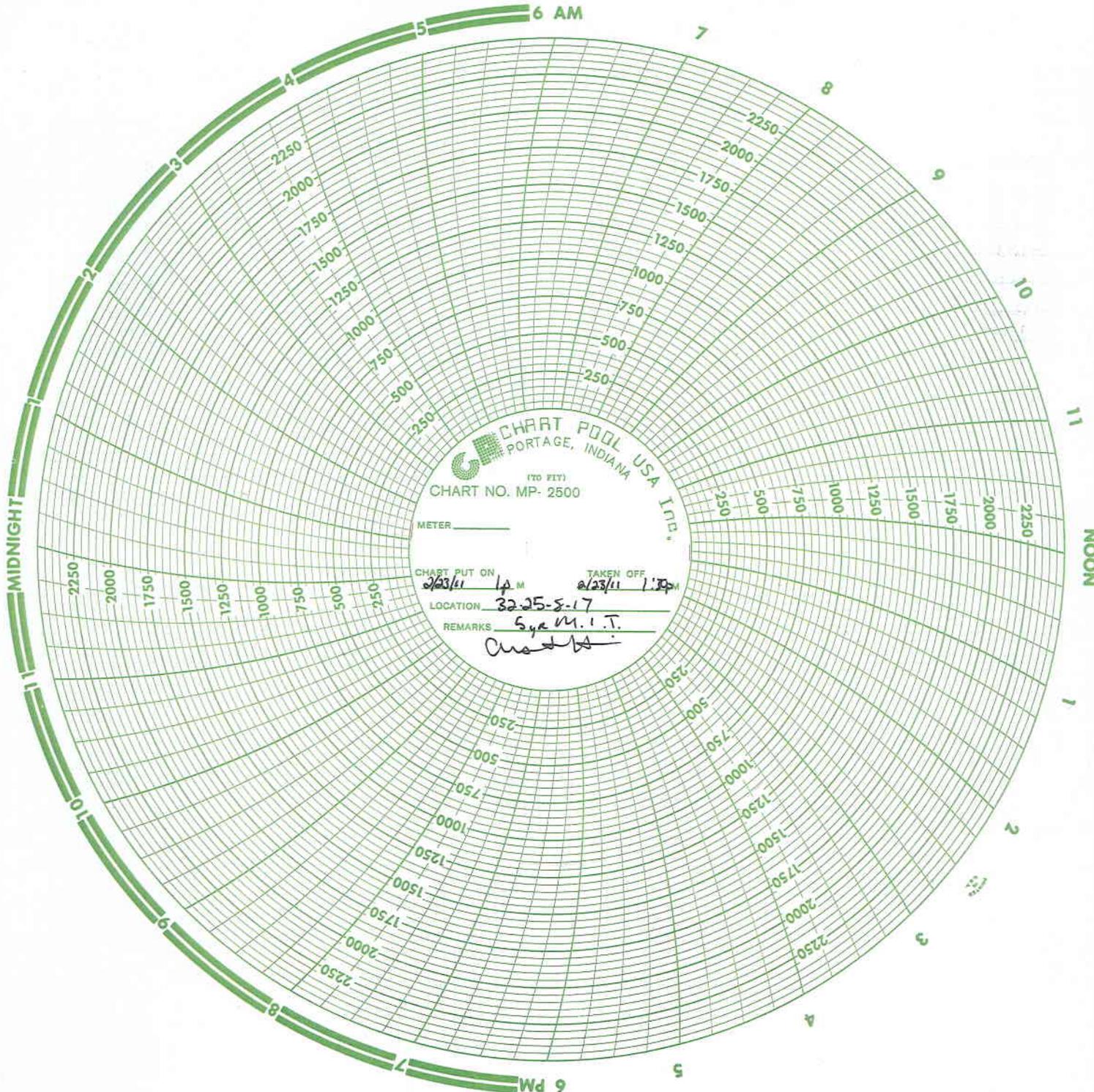
**CHART POOL USA INC.**  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500

METER \_\_\_\_\_

CHART PUT ON 2/23/11 1 P.M. TAKEN OFF 2/23/11 1 P.M.

LOCATION 32-25-8-17

REMARKS 542 M.I.T.  
*Crosby*



**CHART POOL USA INC.**  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500  
METER \_\_\_\_\_

CHART PUT ON 2/23/11 1p.m. TAKEN OFF 2/23/11 1:30p.m.  
LOCATION 32-25-8-17  
REMARKS 5yr M.I.T.  
Chris

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67845
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> MON FED 32-25
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43047325240000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FNL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 25 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/27/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 01/27/2016 the casing was pressured up to 1017 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1230 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04463

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
February 01, 2016**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/28/2016	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 1/27/16  
 Test conducted by: Dale Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Balcon Mon. Fed 32-25-8-17</u> Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>	
Location: <u>SWNE</u> Sec: <u>25</u> T <u>8</u> N <u>(S)</u> R <u>17</u> (E) W County: <u>Uintah</u> State: <u>Ut.</u>	
Operator: <u>Newfield Production Co.</u>	
Last MIT: <u>1</u> / <u>1</u> Maximum Allowable Pressure: <u>1272</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: 0/1230 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	1230 psig	psig	psig
End of test pressure	1230 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1013 psig	psig	psig
5 minutes	1009 psig	psig	psig
10 minutes	1010 psig	psig	psig
15 minutes	1011 psig	psig	psig
20 minutes	1013 psig	psig	psig
25 minutes	1015 psig	psig	psig
30 minutes	1017 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

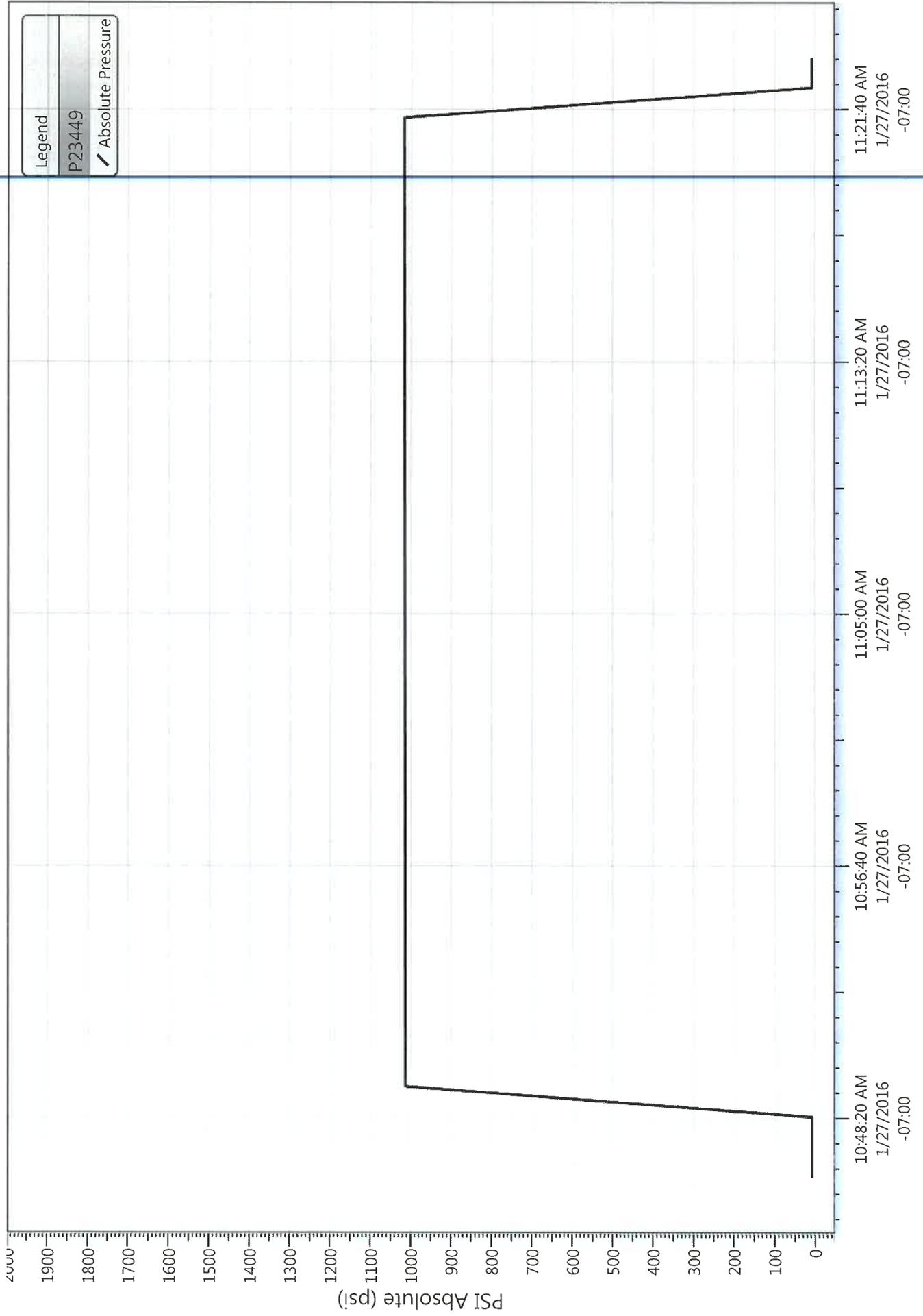
Does the annulus pressure build back up after the test?  Yes  No

### MECHANICAL INTEGRITY PRESSURE TEST

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

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

Balcron mon. fed. 32-25 8-17 (5year mit)  
1/27/2016 10:45:04 AM



Legend  
P23449  
Absolute Pressure

Spud Date: 11/28/94  
 Put on Production: 12/31/94  
 Put on Injection: 2/2/99  
 GL: 5014' KB: 5025'

# Balcron Monument Federal 32-25-8-17

Initial Production: 74 BOPD,  
 NM MCFD, 0 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (273')  
 DEPTH LANDED: 267' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Class "G" cmt

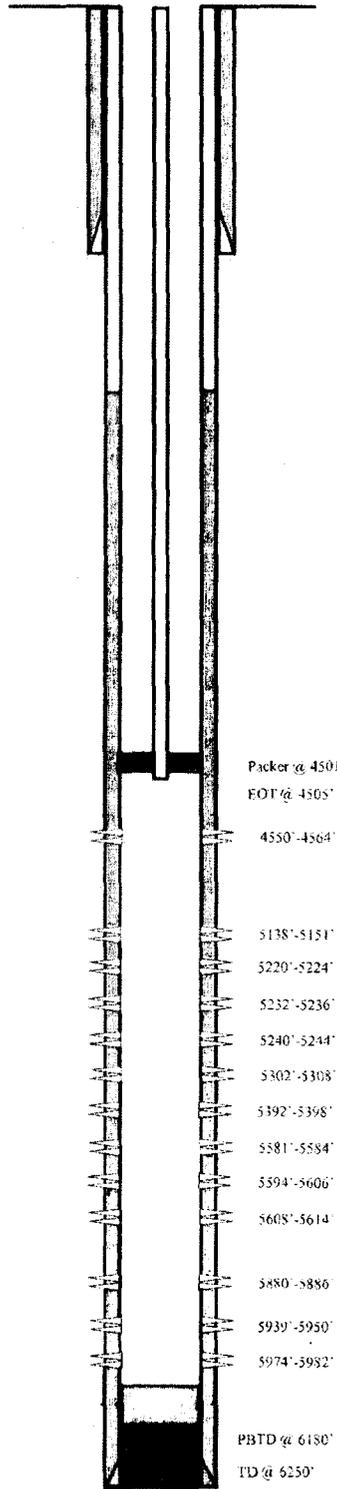
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 6263'  
 DEPTH LANDED: 6259' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 150 sxs Super G & 371 sxs 50/50 POZ.  
 CEMENT TOP AT: 2638' per CBI.

### TUBING

SIZE/GRADE/WT: 2-7/8" J-55 / 6.5#  
 NO. OF JOINTS: 145 jts (4484.17')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4496.17' KB  
 ARROWSFT PACKER: 4500.52' KB  
 TOTAL STRING LENGTH: EOT @ 4504.72' KB

Injection Wellbore  
 Diagram



### FRAC JOB

12/13/94	5939'-5950'	<b>Frac zone as follows:</b> 40,720# 20/40 sand and 34,040# 16/30 sand in 1249 bbbls frac fluid. Treated @ avg press of 1800 psi w/avg rate of 31.5 BPM. ISIP 1900 psi
12/16/94	5581'-5614'	<b>Frac zone as follows:</b> 72,560# 20/40 sand and 62,000# 16/30 sand in 989 bbbls frac fluid. Treated @ avg press of 2150 psi w/avg rate of 30.5 BPM. ISIP 2050 psi.
12/21/94	5138'-5224'	<b>Frac zone as follows:</b> 79,640# 20/40 sand and 66,220# 16/30 sand in 922 bbbls frac fluid. Treated @ avg press of 1670 psi w/avg rate of 37.5 BPM. ISIP 1650 psi.
12/02/98		<b>Convert to Injection Well</b>
02/11/06	5974-5982'	<b>Break down zone as follows:</b> Break down CP2 sds w/ 5 bbbls of 15% HCL. Perfs broke down @ 2443. Flushed w/ 40 bbbls water. ISIP was 1700. Flow well back for 30 minutes, rec'd 40 bbbls water & acid
02/11/06	5880-5886'	<b>Break down zone as follows:</b> Break down CP 5 sds w/ 5 bbbls of 15% HCL. Displace w/ 5 bbbls water. Perfs broke down @ 2443. Flushed w/ 40 bbbls water. ISIP was 1850. Flow well back for 10 minutes, rec'd 20 bbbls water.
02/11/06	5302-5398'	<b>Frac zone as follows:</b> 19,619#s of 20/40 sand in 197 bbbls of Lightning 17 frac fluid. Perfs started taking water @ 1730 psi. Treated @ ave pressure of 2916 w/ ave rate of 14.3 bpm w/ 6.5 ppg of sand. ISIP was 1700. Flow well back for 70 minutes, rec'd 100 bbbls water.
02/11/06	4550-4564'	<b>Frac zone as follows:</b> 20,660#s of 20/40 sand in 190 bbbls of Lightning 17 frac fluid. Perfs broke down @ 3922. Treated @ ave pressure of 3338 w/ ave rate of 14.1 bpm w/ 6.5 ppg of sand. ISIP was 1900. Flow well back for 70 minutes, rec'd 100 bbbls water.
03/14/06		<b>Recompletion Finalized</b> - update tbg detail - MIT completed and submitted
6/9/09		Zone Stimulation

### PERFORATION RECORD

12/12/94	5939'-5950'	4 JSPP	44 holes
12/15/94	5581'-5584'	4 JSPP	12 holes
12/15/94	5594'-5606'	4 JSPP	48 holes
12/15/94	5608'-5614'	4 JSPP	24 holes
12/19/94	5138'-5151'	4 JSPP	52 holes
12/19/94	5220'-5224'	4 JSPP	16 holes
12/19/94	5232'-5236'	4 JSPP	16 holes
12/19/94	5240'-5244'	4 JSPP	16 holes
02/11/06	5974'-5982'	8 JSPP	32 holes
02/11/06	5880'-5886'	4 JSPP	24 holes
02/11/06	5392'-5398'	4 JSPP	24 holes
02/11/06	5302'-5308'	4 JSPP	24 holes
02/11/06	4550'-4564'	4 JSPP	56 holes

**NEWFIELD**

**Balcron Monument Fed. 32-25-8-17**  
 1980' FNL & 1980' FEL  
 SWNE Section 25-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-32524; Lease #U-67845