

UTAH OIL AND GAS CONSERVATION COMMISSION

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

Confidential Status Expires 1-18-95

Commenced Injection effective 10-28-94

DATE FILED **SEPTEMBER 1, 1993**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-035521-A** INDIAN

DRILLING APPROVED: **SEPTEMBER 7, 1993**

SPUDDED IN: **11-3-93**

COMPLETED **12-18-93 POW** PUT TO PRODUCING: **12-18-93**

INITIAL PRODUCTION **70 BOPD; 80 BWPD**

GRAVITY API **43**

GOR  
PRODUCING ZONES **4097-5078 (GRRV)**

TOTAL DEPTH: **5750'**

WELL ELEVATION **5487.5 GR**

DATE ABANDONED  
FIELD: **MONUMENT BUTTE/GREEN RIVER**

UNIT: **JONAH UNIT**

COUNTY: **DUCHESNE**

WELL NO **BALCRON MONUMENT FEDERAL #14-12J** API NO. **43-013-31411**

LOCATION **660' FSL** FT FROM (N) (S) LINE. **660' FWL** FT FROM (E) (W) LINE. **SW SW** 1/4 - 1/4 SEC. **12**

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
9S	16E	12	EQUITABLE RESOURCES				



**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

**RECEIVED**

SEP 01 1993

**DIVISION OF  
OIL, GAS & MINING**

August 30, 1993

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

Gentlemen:

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

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Attachment

Balcron Monument Federal #41-14J  
NE NE Section 14, T9S, R16E  
Duchesne County, Utah  
363.3' FNL, 600' FEL  
FLS #U-096550

Balcron Monument Federal #12-12J  
SW NW Section 12, T9S, R16E  
Duchesne County, Utah  
1980' FNL, 660' FWL  
FLS #U-096550

Balcron Monument Federal #14-12J  
SW SW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FSL, 660' FWL  
FLS #U-035521-A

Balcron Monument Federal #24-12J  
SE SW Section 12, T9S, R16E  
Duchesne County, Utah  
539' FSL, 1777' FWL  
FLS #U-035521-A

SEP | 1993



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P.O. Box 21017  
Billings, MT 59104

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

RECEIVED

SEP 01 1993

August 30, 1993

DIVISION OF  
OIL, GAS & MINING

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list. We plan to drill these four wells before the end of 1993. If you foresee any problem with that plan, I would appreciate it if you would give me a call.

Both archeology and paleontology reports on the wellsites and access road locations have been ordered and will be sent to you as soon as they are completed.

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

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
 EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil **CONFIDENTIAL**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
 SW SW Section 12, T9S, R16E 660' FSL, 660' FWL  
 At proposed prod. zone

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

16. NO. OF ACRES IN LEASE  
 18. PROPOSED DEPTH  
 6,000' x 5,750'

13. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 20. ROTARY OR CABLR TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5,487.5' GL  
 22. APPROX. DATE WORK WILL START\*  
 Upon APD Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

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

1993

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

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

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE August 30, 1993  
 Bobbie Schuman  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

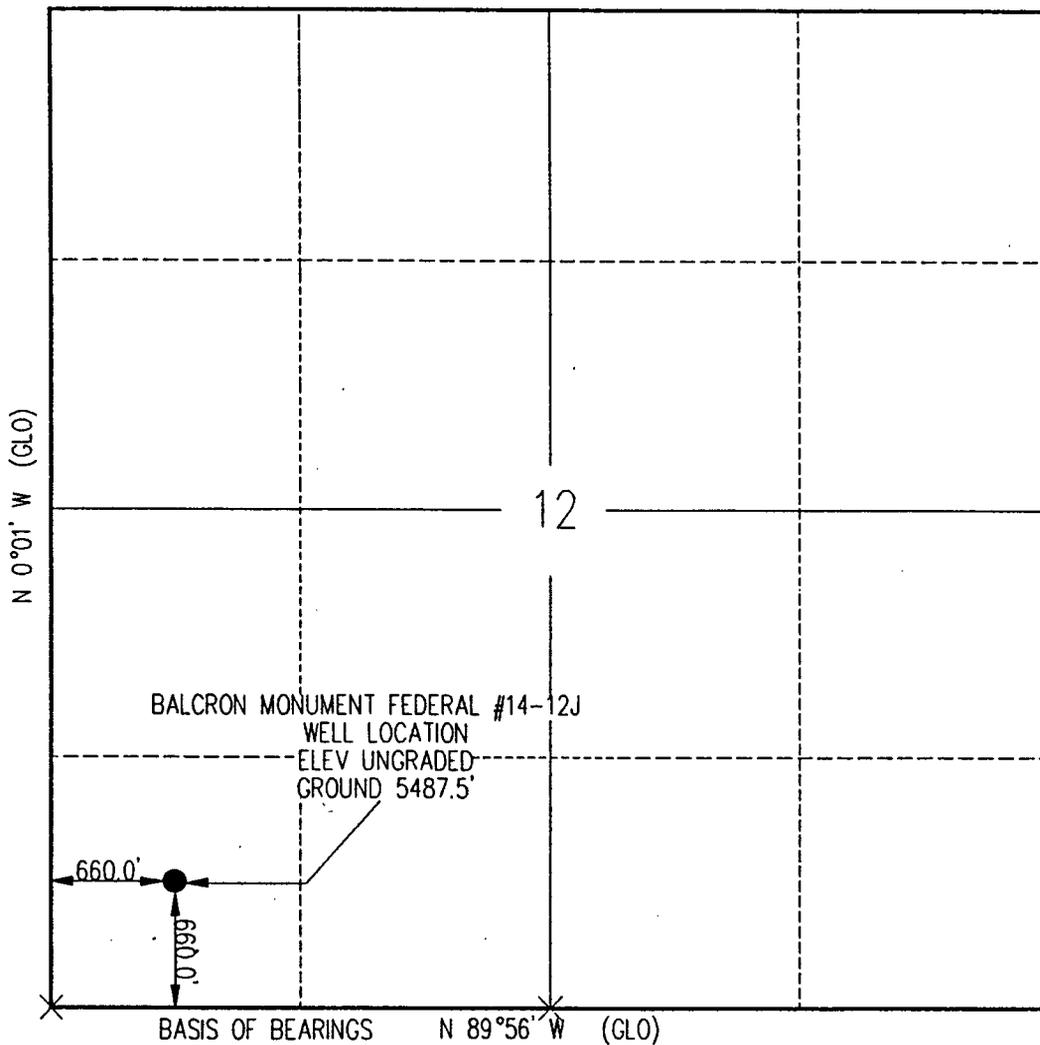
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

EXHIBIT "F"

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

N 89°59' W (GLO)



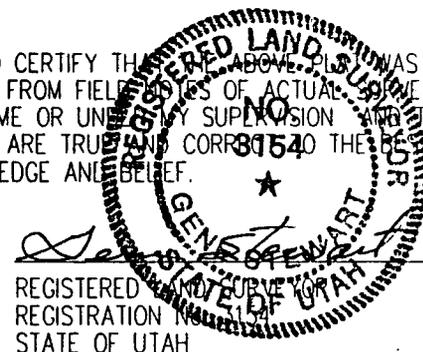
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #14-12J, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 12, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



1993 / 1

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. 31754  
STATE OF UTAH

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

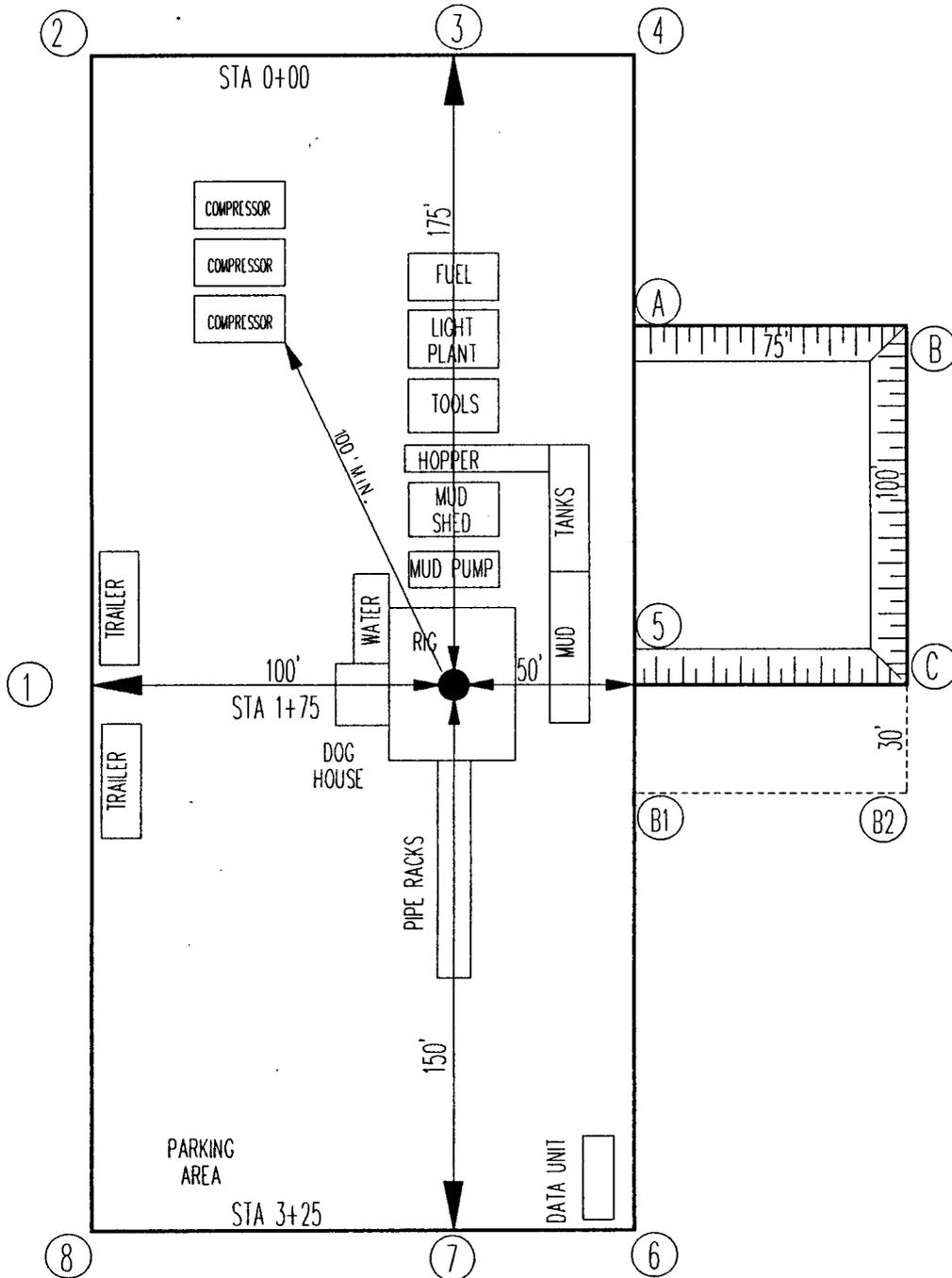
WEATHER: CLEAR & HOT
DATE: 8/4/93
SCALE: 1" = 1000'
SURVEYED BY: GS ZD
FILE: MF 14-12



# EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #14-12J

## WELLSITE LAYOUT

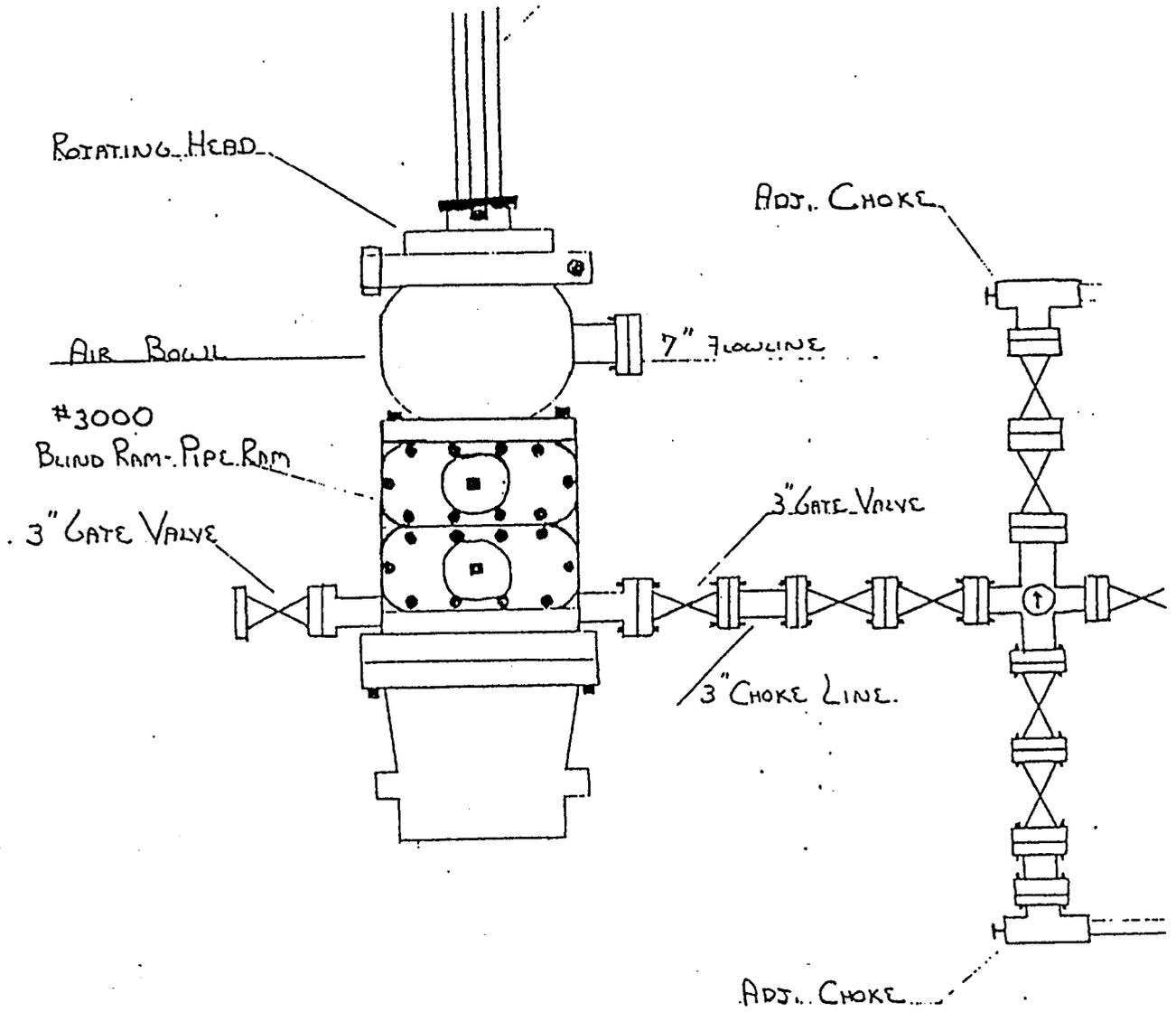


1003

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

UNION DRILLING RIG #17

Hex Key



#3000 Stack

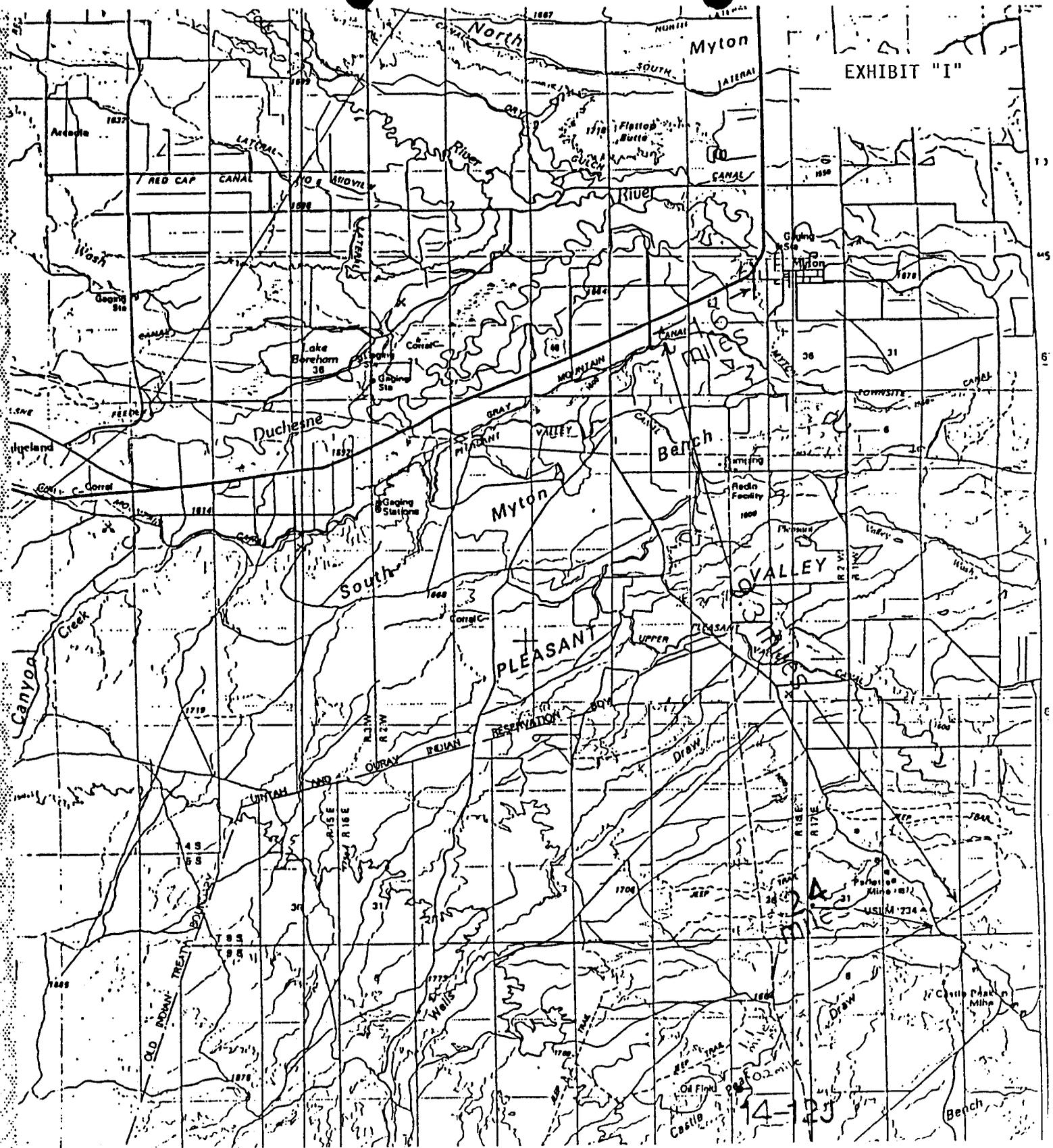
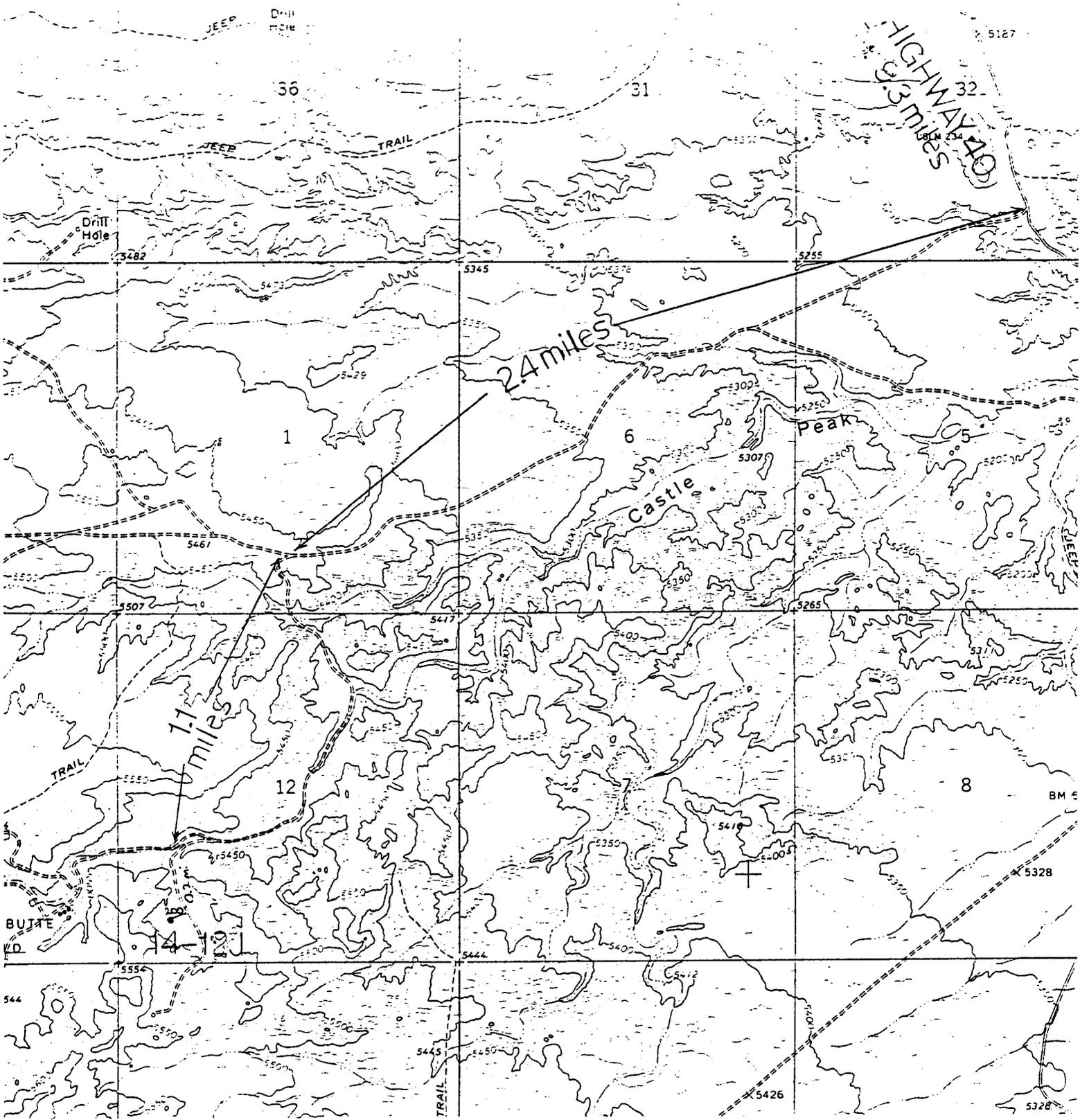


EXHIBIT "I"



EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #14-12J  
 MAP "A"





EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #14-12J  
 MAP "B"



EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #14-12J  
SW SW Section 12-T9S-R16E  
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin prior to September 30, 1993.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

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

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON FEDERAL #14-12J  
SW SW SECTION 12, T9S, R16E  
DUCHESNE COUNTY, UTAH

1. **Existing Roads: Refer to Maps "A" & "B" (shown in RED)**
  - A. The proposed well site is staked and four reference stakes are present. 225' & 275' West and 175' & 225' South.
  - B. The Federal #14-12J is located 13 miles Southwest of Myton Utah in the SW1/4 SW1/4 Section 12, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 14-12J, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with the Momnument Butte gas plant road, turn right and continue 2.4 miles to road intersection; turn left and proceed 1.1 miles to road intersection. Turn left and continue 0.2 mile to proposed access road sign. Follow flags 200 feet to location.
  - C. Access roads - refer to Maps "A" and "B".
  - D. Access roads within a one-mile radius - refer to map "B".
  - E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

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

Approximately 200 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 will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the

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

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

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

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will 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. Source to be determined closer to beginning 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 ninety (90) days after termination of drilling and completion activities.

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

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

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

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

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

**8. Ancillary Facilities:**

None anticipated.

**9. Wellsite Layout:**

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. A diversion ditch will be cut above the cut slope on the Western edge of location beginning just West of pit corner C and running along the West and North edges of location. Corner #6 and corner #8 will be rounded to facilitate drainage diversion.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind between corner #5 and corner #6. Access will be from the East near corner #1.

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.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
  - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

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

#### 10. Plans for Reclamation of the Surface:

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

##### A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. 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 dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

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

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

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture recommended 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 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

#### B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

(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 and basin may be required at the B.L.M.'s discretion.

**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.

August 30, 1993

Bobbie Schuman

Date

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

# Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name <u>BALCRON MONUMENT FEDERAL #14-12-J</u>	Exploratory <u>Development</u>	Control Well <u>C &amp; O #4</u>
Location <u>SWSW SEC 12-T9S-R16E 660' FSL, 660' FWL</u>	<u>X</u>	Operator <u>CAMPBELL EXPL</u>
County <u>DUCHESNE</u>	Field <u>JONAH UNIT</u>	KB <u>5462</u>
State <u>UTAH</u>	Section <u>SWSW 12</u>	Section <u>NESW 12</u>
Total Depth <u>5750</u>	Township <u>9S</u>	Township <u>9S</u>
GL (Ung) <u>5487.46</u>	Range <u>16E</u>	Range <u>16E</u>
EST. KB <u>5497</u>		

Formation	Prognosis		Sample Top		Control Well Datum	High/Low		Deviation
	Depth	Datum	Depth	Datum		Prog	Cntl	
UINTA	SURFACE							
GREEN RIVER	1441	4056			3996			
HORSBENCH SS	2113	3384			3324			
2ND GARDEN GULCH	3763	1734			1674			
Y-3 SAND	4081	1416			1356			
Y-5 SAND	4301	1196			1136			
YELLOW MARKER	4393	1104			1044			
DOUGLAS CREEK	4553	944			884			
R-5 SAND	4723	774			714			
2ND DOUGLAS CREEK	4793	704			644			
GREEN MARKER	4941	556			496			
G-4 SAND	5083	414			354			
CARBONATE MARKER	5415	82			NDE			
B-1 SAND	5464	33			NDE			
TD	5750							

**Samples**  
50' FROM 1400' TO 3800'  
10' FROM 3800' TO TD

**DST,s**  
 DST #1 NONE  
 DST #2 \_\_\_\_\_  
 DST #3 \_\_\_\_\_  
 DST #4 \_\_\_\_\_

**Wellsite Geologist**  
 Name: \_\_\_\_\_  
 From: \_\_\_\_\_ to: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone # \_\_\_\_\_ wk.  
 \_\_\_\_\_ hm.  
 Fax # \_\_\_\_\_

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

**Cores**  
 Core #1 NONE  
 Core #2 \_\_\_\_\_  
 Core #3 \_\_\_\_\_  
 Core #4 \_\_\_\_\_

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

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

**Report To:** 1st Name: STEVE VANDELINDER Phone # (406) 259-7860  
 2nd Name: KEVEN REINSCHMIDT Phone # "  
**Prepared By:** KKR 8/19/93 Phone # \_\_\_\_\_

wk. 248-2778 hm.  
 wk. 248-7026 hm.  
 wk. \_\_\_\_\_ hm.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2280 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	SFC TO TD 5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825	
	Collapse Load Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35 202 2.29 J

Prepared by : McCoskery, Billings, MT  
 Date : 11-30-1992 (Revised 8/30/93)  
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 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)

100

Equitable Resources Energy Company  
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area  
LOCATION: Twn.9S Rge.16E & 17E  
COUNTY: Duchesne

PROSPECT/FIELD: Monument Butte  
STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE INTERVAL

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

CASING	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
STRING TYPE					
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55

(All Casing will be new, ST&C)

CEMENT PROGRAM

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

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY DRILLING FLUID PROGRAM

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

depending on the drilling contractor either:

- a.) Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- b.) Drilling will be done using 2% KCl water and gel.

COMMENTS

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



United States Department of the Interior

e 1 of 4

TAKE PRIDE IN AMERICA

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

IN REPLY TO:

MTM 12619-A et al  
BLM BOND NO. MT0576  
(922.31)

April 25, 1989

NOTICE

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

OIL AND GAS

CORPORATE MERGER RECOGNIZED  
RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

*Cynthia L. Embretson*  
Cynthia L. Embretson, Chief  
Fluids Adjudication Section

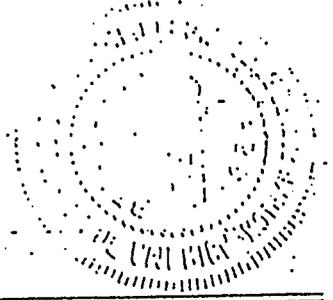
1 Enclosure  
1-Exhibit A

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

100

Form 3104-8  
(July 1984)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

Act of February 25, 1920 (30 U.S.C. Sec. 181)  
Act of August 7, 1947 (30 U.S.C. Sec. 351)  
Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)  
Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we  
BALCRON OIL COMPANY  
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and  
SAFECO INSURANCE COMPANY OF AMERICA  
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY THOUSAND AND 00/100-----dollars (\$ 150,000.00 ), in lawful money of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally.

- The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, issued or acquired under the Acts cited in Schedule A.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.
- The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petroleum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

1993

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Acts cited in this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

tract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal is authorized to drill for, mine, ex-

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:



SURETY RIDER

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

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88  
(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY, as Principal,  
(PRINCIPAL)

and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,  
(SURETY)

in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND  
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89  
(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89  
(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY  
PRINCIPAL

By: \_\_\_\_\_ TITLE

SAFECO INSURANCE COMPANY OF AMERICA  
SURETY

By: [Signature]  
R. George Voinchet ATTORNEY-IN-FACT

1 1989



POWER OF ATTORNEY

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

EXHIBIT "E" Page 4 of 4  
3798

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

KNOW ALL BY THESE PRESENTS:

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

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

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

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

this 4th day of September, 19 87.

CERTIFICATE

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

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

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

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

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

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

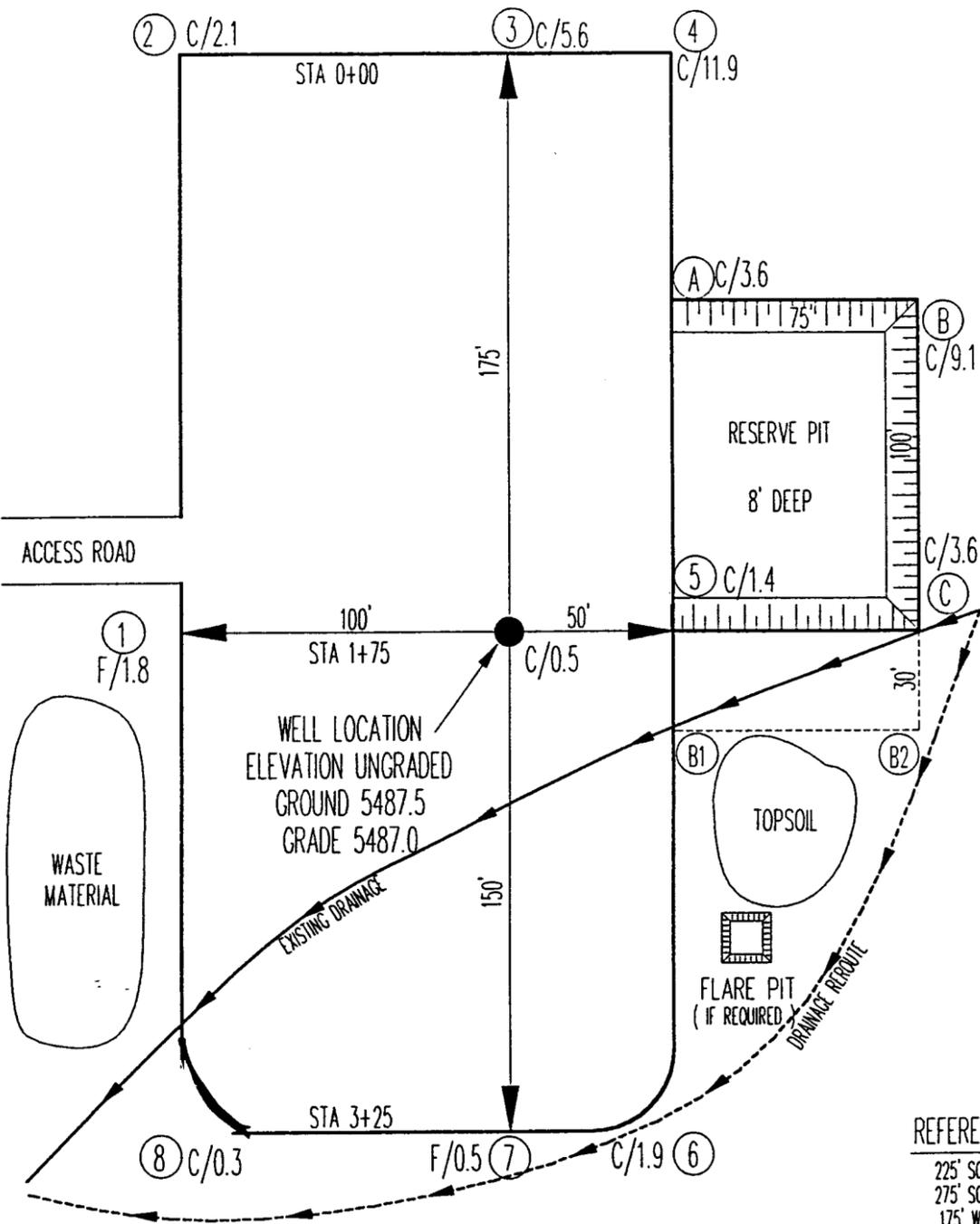
I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true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

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

this 10th day of April, 19 89.



EQUITABLE RESOURCES ENERGY CO.  
BALCRON MONUMENT FEDERAL #14-12J

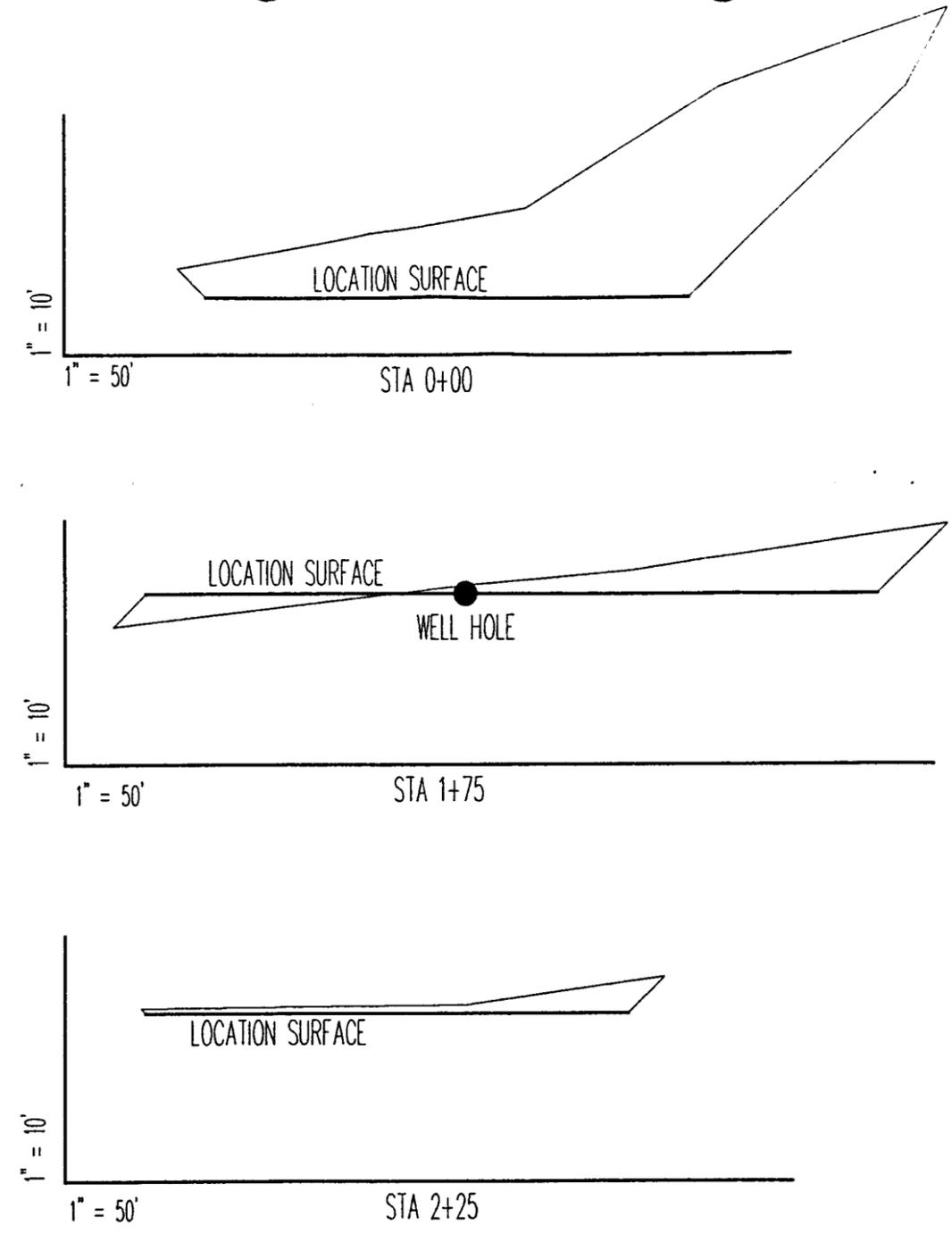
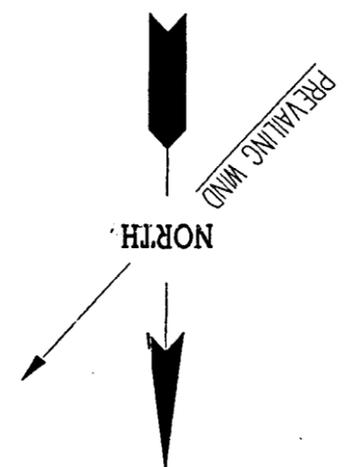


REFERENCE POINTS

225' SOUTH	5496.0'
275' SOUTH	5502.7'
175' WEST	5492.5'
225' WEST	5495.3'

APPROXIMATE YARDAGE

CUT = 3079 Cu Yds  
 FILL = 250 Cu Yds  
 PIT = 2222 Cu Yds  
 NOTE: CUT & FILL CANNOT BE BALANCED WITHOUT PUTTING RIG ON FILL



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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**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 SW Sec. 12, T9S, R16E 660' FSL, 660' FWL  
 At proposed prod. zone

5. Lease Designation and Serial No.  
 Federal #U-035521-A

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

7. Unit Agreement Name  
 Jonah Unit

8. Farm or Lease Name  
 Balcron Monument Federal

9. Well No.  
 #14-12J

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

11. 00, Sec., T., R., N., or Blk. and Survey or Area  
 Sec. 12, T9S, R16E

12. County or Parrish  
 Duchesne

13. State  
 UTAH

14. Distance in miles and direction from nearest town or post office\*  
 Approximately 13 miles SW of Myton, Utah

15. 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

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.  
 19. Proposed depth  
 20. Rotary or cable tools

21. Elevations (Show whether DF, RT, GR, etc.)  
 5,487.5' GL  
 22. Approx. date work will start\*  
 Upon APD approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached				

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

**CONFIDENTIAL**

**RECEIVED**

SEP 01 1993

DIVISION OF  
OIL, GAS & MINING

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

24. I hereby certify that this report is true and complete to the best of my knowledge and belief.  
 Signature: Bobbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: August 30, 1993

APR NO. 43-013 31411 Approval Date \_\_\_\_\_

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 DATE: 9/19/93  
 BY: JAT [Signature]

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

\*See Instructions On Reverse Side

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 09/01/93

OPERATOR: EQUITABLE RESOURCES  
WELL NAME: BALCRON MONUMENT FED. 14-12J

OPERATOR ACCT NO: N- 9890

CONFIDENTIAL

API NO. ASSIGNED: 43 - 013 - 31411

LEASE TYPE: FED LEASE NO: U-035521-A  
LOCATION: SWSW 12 - T09S - R16E DUCHESNE COUNTY  
FIELD: MONUMENT BUTTE 105 FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

- Plat
- Bond  
(Number FED SURETY INC.)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
(Number \_\_\_\_\_)
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

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

COMMENTS: WATER SUPPLY TO BE NOTICED BY SURVEY PRIOR TO SPUD

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 1-18-95

STIPULATIONS:

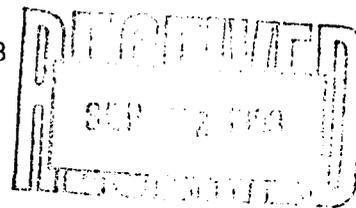
cc: Duchesne County Assessor  
Bureau of Land Management, Terner  
Jim Thompson, Field Inspection Supervisor



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

August 27, 1993



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

*Project:* **Balcron Oil -- 1993 Development**

*Project No.:* **BLCR-93-4**

*Permit No.:* **Dept. of Interior -- UT-93-54937**

*State Project No:* **UT-93-AF-446b**

SEP 03 1993

DIVISION OF  
OIL, GAS & MINING

*To:* **Ms. Bobbi 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**

MONUMENT BUTTE DRILLING PROGRAM

SIXTH BATCH

---

Balcron Federal #24-4Y  
SE SW Section 4, T9S, R16E  
Duchesne County, Utah  
710' FSL, 2031' FWL  
FLS #U-64379  
PTD: 6,175'  
GL 5,714.3'

Balcron Monument Federal #12-12J  
SW NW Section 12, T9S, R16E  
Duchesne County, Utah  
1980' FNL, 660' FWL  
FLS #U-096550  
PTD: 5,800'  
GL 5,542.8'

Balcron Monument Federal #14-12J  
SW SW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FSL, 660' FWL  
FLS #U-035521-A  
PTD: 5,750'  
GL 5,487.5'

43-013-31411  
**CONFIDENTIAL**

Balcron Monument Federal #24-12J  
SE SW Section 12, T9S, R16E  
Duchesne County, Utah  
539' FSL, 1777' FWL  
FLS #U-035521-A  
PTD: 5,700'  
GL 5,495.5'

Balcron Monument Federal #42-1J  
SE NE Section 1, T9S, R16E  
Duchesne County, Utah  
2087.2' FNL, 692.4' FEL  
FLS #U-40652  
PTD: 5,850'  
GL 5,380.3'

43-013-31404

Balcron Monument Federal #21-12J  
NE NW Section 12, T9S, R16E  
Duchesne County, Utah  
661.4' FNL, 1779.8' FWL  
FLS #U-096550  
PTD: 5,800'  
GL 5,448.9'

43-013-31406

Balcron Monument Federal #31-7J  
NW NE Section 7, T9S, R17E  
Duchesne County, Utah  
831.18' FNL, 1782.38' FEL  
FLS #U-44426  
PTD: 5,700'  
GL 5,298.5'

43-013-31405



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

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

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

September 2, 1993

**RECEIVED**

SEP 03 1993

**DIVISION OF  
OIL, GAS & MINING**

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

Gentlemen:

Enclosed are archeology reports which are to be added as part of our Applications for Permit to Drill the wells on the attached list.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

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

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-93-54937  
AERC Project 1395 (BLCR-93-4)

Utah State Project No.: UT-93-AF-446b

Principal Investigator  
F. Richard Hauck, Ph.D.

Author of the Report  
Glade V Hadden



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

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

August 27, 1993

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of seven proposed well locations situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 79.86 acres, of which 9.86 acres (.8 miles) include five separate access roads associated with units MF 42-1, MF 21-12, 14-12J, 24-12J and 24-4Y. The remaining 70 acres involve 10 acre parcels at all seven of the proposed well locations. These evaluations were conducted by Glade Hadden of AERC on August 25 and 26, 1993.

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

No newly identified cultural resource activity loci were discovered during the examinations.

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

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LIST OF MAPS OF THE PROJECT AREA

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## GENERAL INFORMATION

On August 25 and 26, 1993, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved seven proposed well locations and associated access routes located in the Monument Buttes area south of Myton, Utah. Some .8 miles of access routes (9.86 acres) and seven - 10 acre well pads were examined. This project is situated in the Monument Buttes locality of Duchesne 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.

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

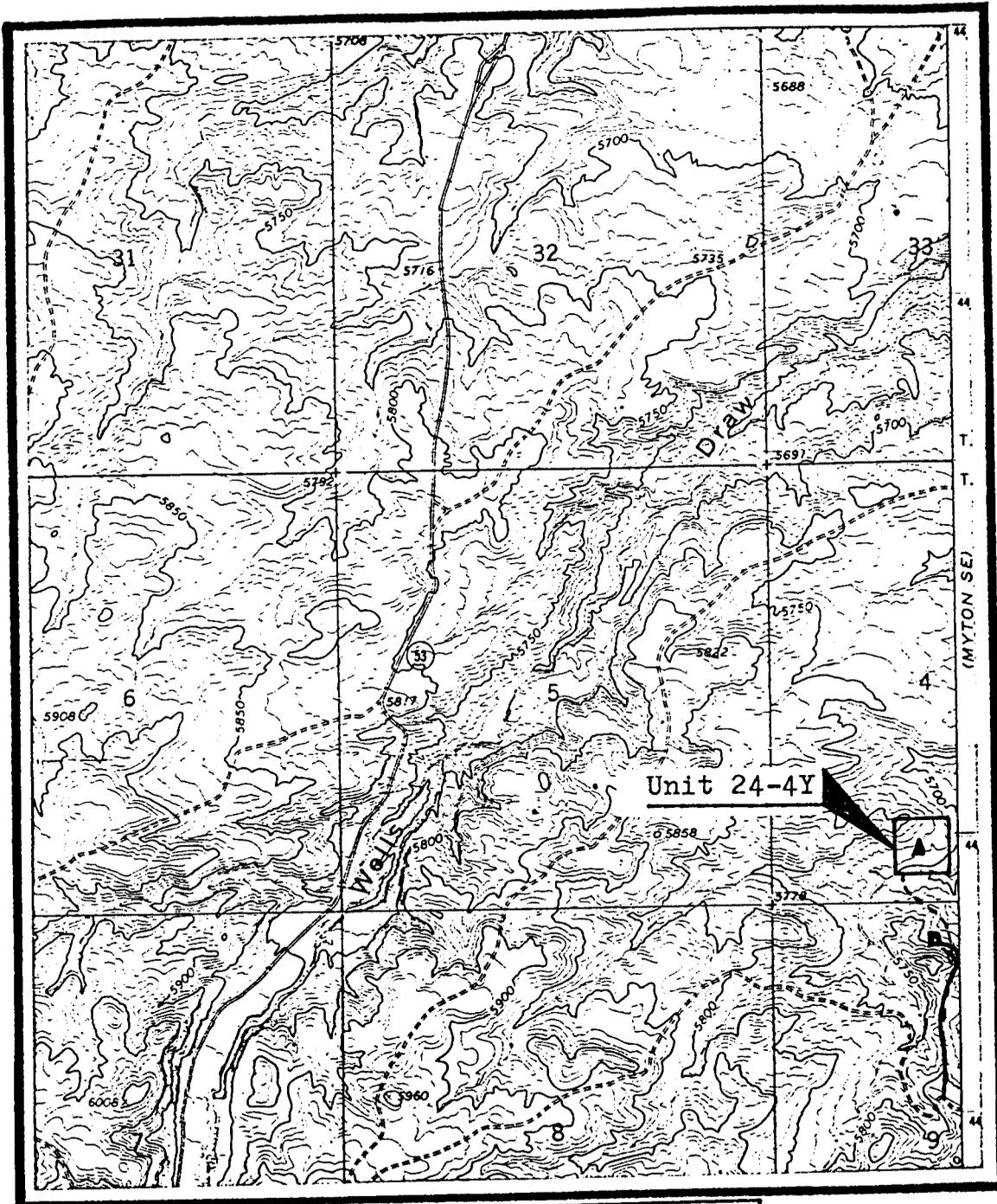
In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

### Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE and Myton SW 7.5 minute topographic quads.

Unit 24-4Y is situated in the SE - SW quarter of Section 4, Township 9 South, Range 16 East. Its access route extends ca. .25 mi. north from an existing well location (Balcron Unit 21-9Y) (See Map 1).

Unit 12-12J is in the SW - NW quarter of Section 12, Township 9 South, Range 16 East. This unit is accessible via an existing road which extends westerly from the main Monument Buttes road (See Map 2). The well location is directly adjacent this road, so no separate access route is necessary.



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

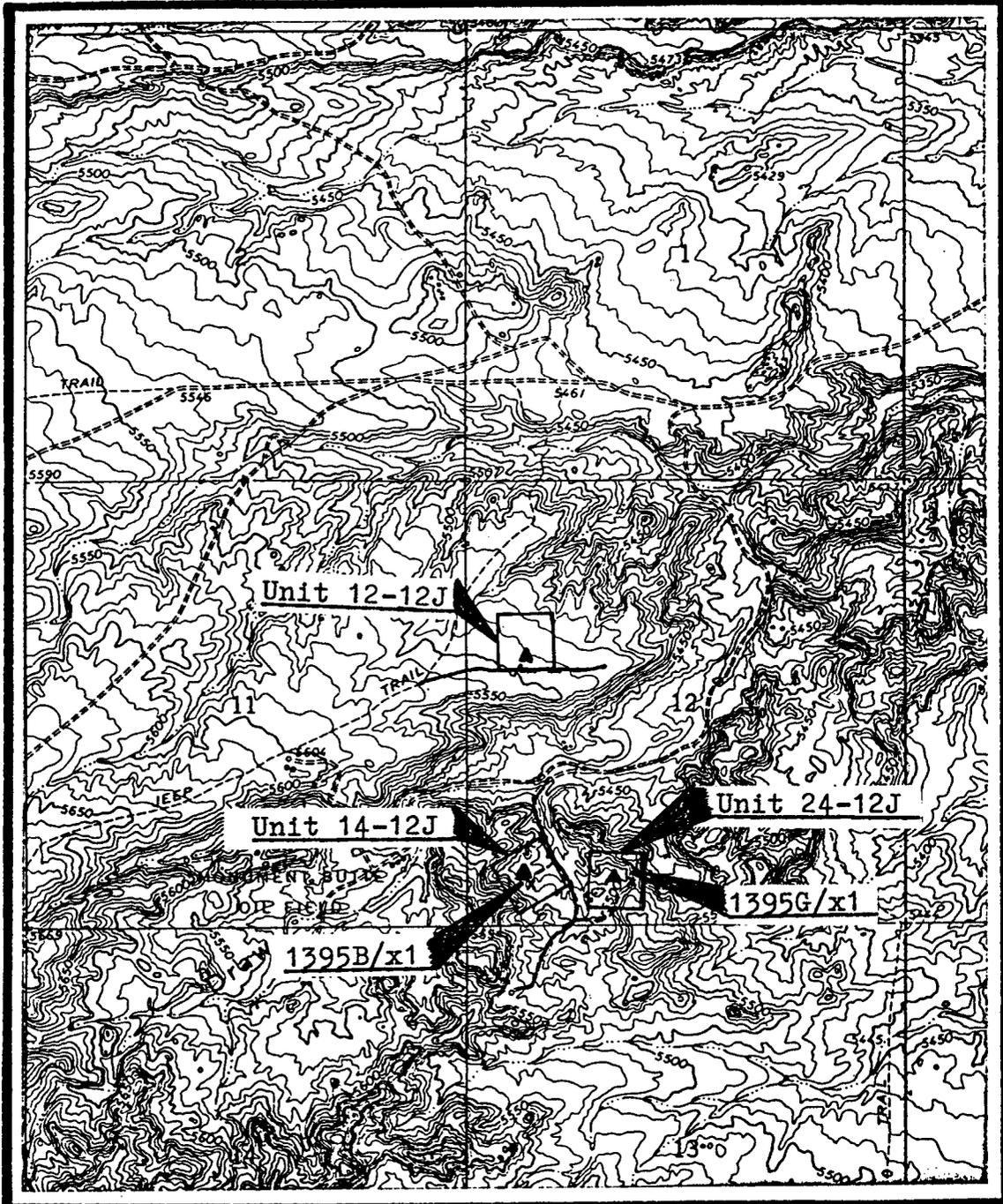
**MAP 1**  
 Cultural Resource Inventory  
 of Proposed Well Unit  
 24-4Y in the Monument  
 Buttes Locality, Duchesne Co.

- Legend:**
- Well Center Stake ▲
  - 10 Acre Well Pad □
  - Access Route - - -
  - Existing Road ~



**Project:** BLCR-93-4  
**Series:** Uinta Basin  
**Date:** 8/30/93  
**Scale:** 1:24,000





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

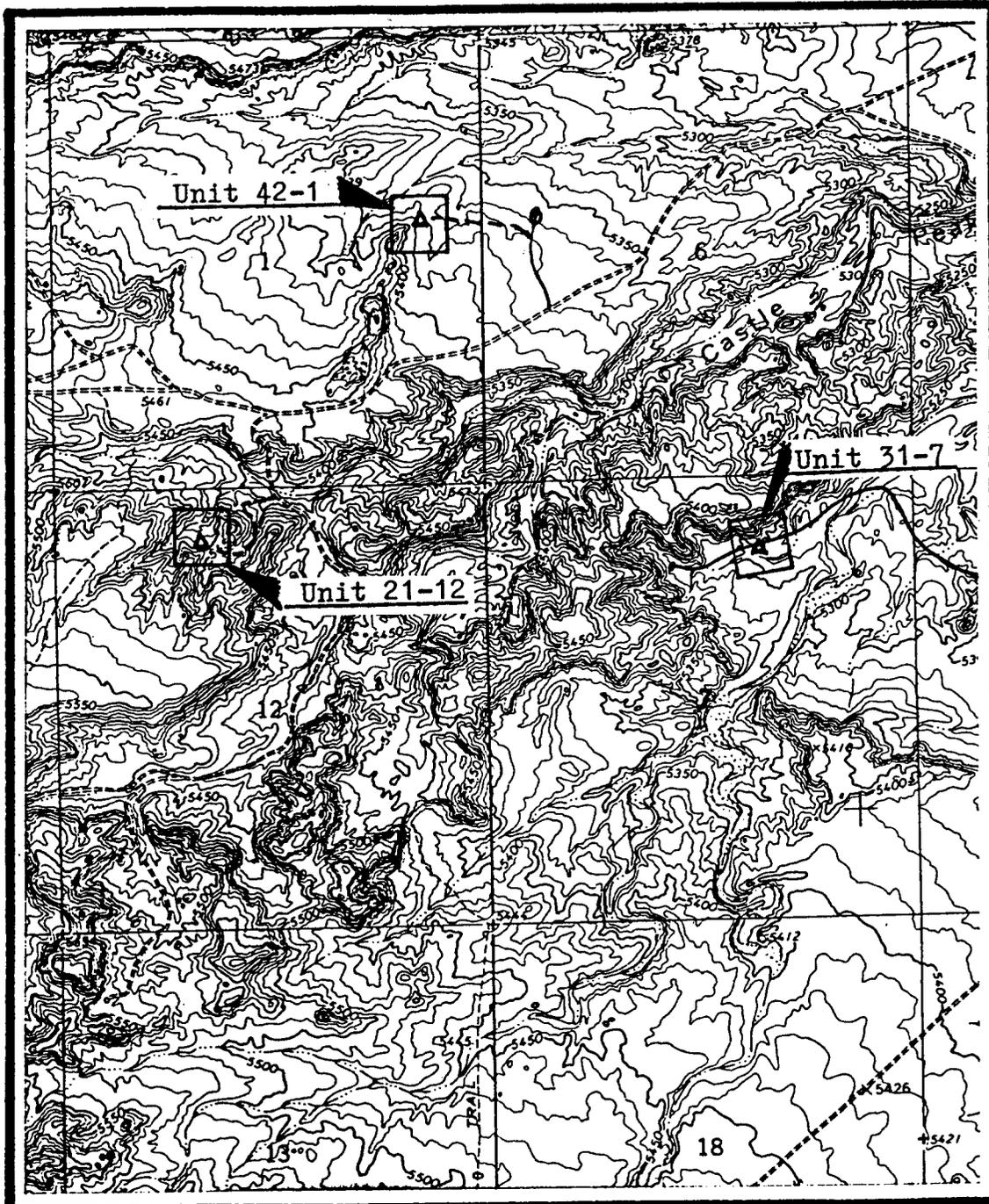
**MAP 2**  
 Cultural Resource Inventory  
 of Proposed Well Units  
 12-12J, 14-12J and 24-12J  
 Monument Buttes Locality

**Legend:**  
 Well Center Stake ▲  
 10 Acre Well Pad □  
 Access Route /  
 Existing Road }  
 Isolated Artifact X



**Project:** BLCR-93-4  
**Series:** Uinta Basin  
**Date:** 8/30/93  
**Scale:** 1:24,000





T. 9 South  
 R. 16 / 17 East  
 Meridian: SL  
 Quad: Myton SE  
 Utah

**MAP 3**  
 Cultural Resource Inventory  
 of Proposed Well Units  
 42-1, 31-7 and 21-12 in the  
 Monument Buttes Locality

**Legend:**  
 Well Center Stake   
 10 Acre Well Pad   
 Access Route   
 Existing Road 



Project: Scale: 1:24,000  
 Series: BICR-93-4  
 Date: Uinta Basin  
 8/30/93



Unit 14-12J is located in the SW - SW of the previous section (Section 12). This unit is reached via an existing road which runs south from the Castle Peak Draw / Monument Buttes Oil Field access road (See Map 2). A ca. 200 foot-long access route leads west from the spur road to the well location.

Unit 24-12J is situated in the SE - SW of the previous section (Sec. 12) along the same spur road which serves the previous unit (See Map. 2). A ca. 400 foot access route leads northeasterly into this location.

Unit 42-1 is in the SE - NE quarter of Section 1 in the same township and range. This unit may be reached from a spur road leading north past the Balcron Plant in section one, just off the main Monument Buttes access road. From an existing well, the access route for this unit extends ca. .2 mi. to the west (See Map 3).

Unit 31-7 is located in the NW - NE quarter of Section 7, Township 9 South, Range 17 East. This unit lies directly adjacent to an existing road which runs northwesterly from the main Pariette Bench road located in Section 8 (See Map 3).

Unit 21-12 is situated in the NE - NW quarter of Section 12, Township 9 South, Range 16 East. From the Castle Peak Draw / Monument Buttes Oil Field road, a ca. .25 mi. access route runs west to connect with the well location (See Map 3).

#### Environmental Description:

The project area is within the 5400 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

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

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

#### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on August 23, 1993. A similar search was conducted in the Vernal District Office of the BLM on August 25, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

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

### Prehistory and History of the Cultural Region

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

### Site Potential in the Project Development Zone

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

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 15 meter wide transects over a ten acre pad around each well location center stake. In addition, each access route was inventoried by the archaeologist walking a pair of 10 - 15 meter transects on each side of the flagged access route. Thus, a 35 meter-wide or 100 foot-wide corridor (ca. 9.86 acres) was examined for the total ca. .8 mile length of proposed access routes.

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

### Site Significance Criteria

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

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

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

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

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

Results of the Inventory:

No prehistoric cultural resource activity loci were observed or recorded during the archaeological evaluations. No diagnostic tools or buried deposits were found within this site.

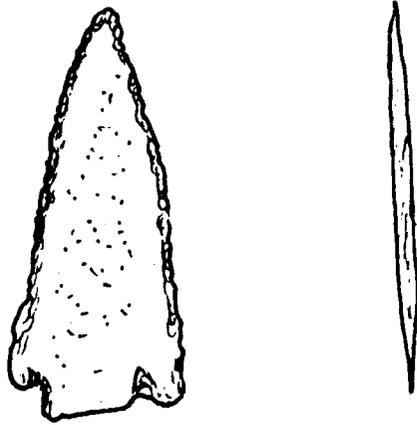
No previously recorded sites are located within the proposed development zones.

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

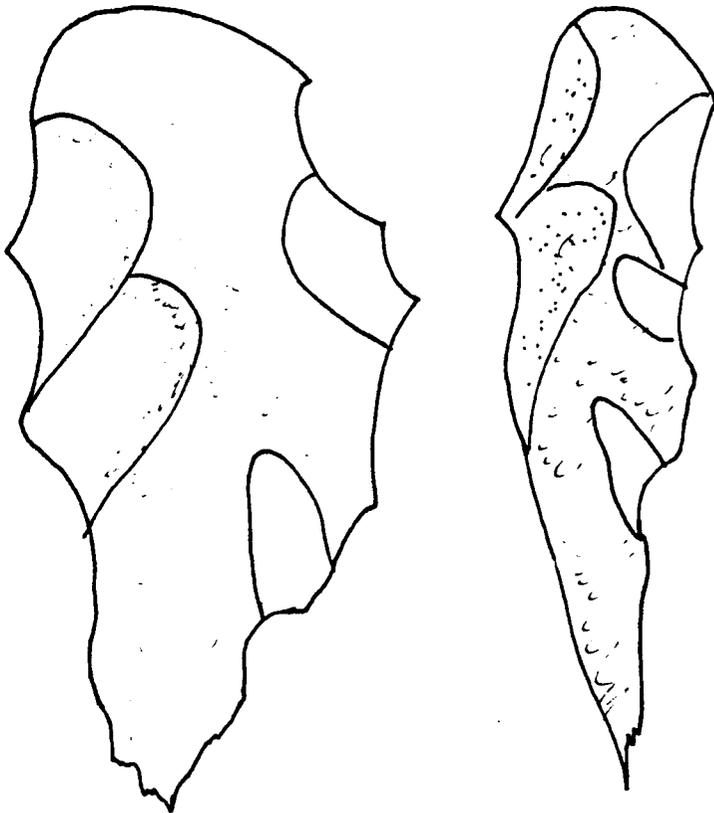
A number of isolated artifacts were observed or collected during the survey. A single corner notched projectile point (1395B/x1) was recovered by BLM archaeologist Blaine Phillips from near the well center stake of unit 14-12J during the initial reconnaissance of the well location. No other artifacts were noted at this location. At well unit 24-12J, an isolated exhausted core (1395G/x1) was observed on the ridge overlooking the well location. No other artifacts were noted in the vicinity. Two additional isolated artifacts were noted in the access road to unit 42-1. These finds consisted of two pieces of lithic debitage from a similar material source. Since both flakes were found in the bottom of an ephemeral drainage channel, and since no other artifacts could be located nearby, it is probably that these flakes are in a disturbed secondary context, having been transported to their present position by water action.

No paleontological loci were observed or recorded during the evaluations.

Isolated Artifact  
1395B/x1



Isolated Artifact  
1395G/x1

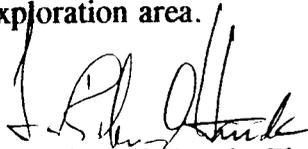


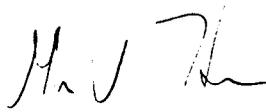
## CONCLUSION AND RECOMMENDATIONS

No known significant cultural or paleontological resources will be adversely impacted during the development and operation of the Balcron Oil Company well locations evaluated during this project.

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

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

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

  
Glade V Hadden  
Field Supervisor

## REFERENCES

Hauck, F. Richard

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

Norman, V. Garth and F.R. Hauck

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

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

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

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

Summary Report of  
Inspection for Cultural Resources

SEVEN WELL LOCATIONS IN THE  
MONUMENT BUTTES LOCALITY

1. Report Title . . . . .

Balcron Oil Company (BLCR-93-4)

2. Development Company \_\_\_\_\_

3. Report Date . . . . . 08 27 1993 . . . . . 4. Antiquities Permit No. \_\_\_\_\_ UT-92-54937

5. Responsible Institution . . . . . AERC BLCR 93-4 \_\_\_\_\_  
County \_\_\_\_\_

6. Fieldwork 9 S 17 E 07  
Location: TWN . . . . . RNG . . . . . Section. . . | . . . | . . . | . . . |  
7. Resource 9 S 16 E 01 04 12  
Area TWN . . . . . RNG . . . . . Section. . . | . . . | . . . | . . . |  
.S M.

8. Description of Examination Procedures: The archeologist, Glade V Hadden intensively examined the proposed well locations by walking a series of 10 to 20 meter-wide transects across the ten acre study areas associated with each well pad and by walking paired 10 to 20 meter transects in a 100 foot-wide corridor centered on the flagged center-line stakes for each access route.

9. Linear Miles Surveyed . . . . . and/or  
Definable Acres Surveyed . . . . . and/or  
Legally Undefinable Acres Surveyed . . . . . 79.86  
10. Inventory Type . . . . . I  
R = Reconnaissance  
I = Intensive  
S = Statistical Sample

11. Description of Findings:  
No significant or non-significant archaeological sites were identified or recorded during this survey.  
Three sets of isolated artifacts were observed, of which one was collected.

12. Number Sites Found .0. . . . .  
(No sites = 0)

13. Collection: .Y.  
Y = Yes, N = No)

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

15. Literature Search, Location/ Date: Utah SHPO 8-23-93 Vernal BLM 8-25-93

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



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 7, 1993

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

Re: Balcron Monument Federal #14-12J Well, 660' FSL, 660' FWL, SW SW, Sec. 12, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

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

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

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2  
Equitable Resources Energy Company  
Balcron Monument Federal #14-12J Well  
September 7, 1993

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

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

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31411.

Sincerely,



R.D. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Duchesne County Assessor  
Bureau of Land Management, Vernal  
Jim Thompson, Field Inspection Supervisor  
WOI1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 EQUITABLE RESOURCES ENERGY COMPANY, 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 SW Section 12, T9S, R16E      660' FSL, 660' FWL  
 At proposed prod. zone  
 43-013-31411

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

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

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 6x000' 5,750'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5,487.5' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "E" EVIDENCE OF BOND COVERAGE
- "F" SURVEY PLAT

- "G" RIG LAYOUT
- "H" BOPE DIAGRAM
- "I" EXISTING ROADS (Map A)
- "J" PLANNED ACCESS (Map B)
- "K" EXISTING WELLS (Map C)
- "L" CUT & FILL DIAGRAM

CONFIDENTIAL

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AUG 31 1993  
OCT 8 1993

5. LEASE DESIGNATION AND SERIAL NO.  
U-035521-A

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

7. UNIT AGREEMENT NAME  
Jonah Unit

8. FARM OR LEASE NAME  
Balcron Monument Federal

9. WELL NO.  
#14-12J

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 12, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UTAH

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

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

24. SIGNED Bobbie Schuman      TITLE Coordinator of Environmental and Regulatory Affairs      DATE August 30, 1993

(This space for Federal or State office use)

PERMIT NO. 43-013-31411      APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature]      TITLE Assistant District Manager Minerals      DATE OCT 8 1993

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_  
 CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

**NOTICE OF APPROVAL**      \*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal 14-12J

API Number: 43-013-31411

Lease Number: U-035521-A

Location: SWSW Sec. 12 T. 9S R. 16E

Surface Ownership: Federal Lands administered by BLM

Date APD Received: August 31, 1993

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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

#### 3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 1,452$  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  $\pm 1,252$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

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

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

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

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

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

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

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

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

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

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

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

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

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

Other Additional Information

a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.

### Additional Surface Conditions of Approval

A silt catchment dam and basin will be constructed according to BLM specifications approximately 150 feet east of the location, where flagged.

Prior to reclaiming of any disturbed areas, the operator will contact the Authorized Officer of the BLM to determine the most desirable site specific seed mixture for reclamation. Seeding will be done in the fall, from September 15 until the ground freezes, unless otherwise approved by the AO.

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 twenty-four to forty-eight (24-48) hours prior to construction activities.

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

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

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

Balcron shall contract a Utah BLM certified Paleontologist to survey the location and access road prior to surface disturbance to determine the presence of paleontologist resources.

If historic, archaeological, or paleontological resources are uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-035521-A
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104      (406)259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW SW Section 12, T9S, R16E 660' FSL, 660' FWL	8. Well Name and No. Balcron Monument Federal #14-121
	9. API Well No. 43-013-31411
	10. Field and Pool, or Exploratory Area Monument Butte / Green River
	11. County or Parish, State Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Water Source</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.)\*

Operator's water source will be from an approved source in Section 15, T4S, R2W from a well permitted by Joe Shields under permit #57708. A copy of that permit is attached to this sundry. The water will be trucked by Jim Nebeker Trucking out of Roosevelt, Utah.

**CONFIDENTIAL**  
OCT 28 1993

DIVISION OF  
OIL, GAS & MINING

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

Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date October 21, 1993

(This space for Federal or State office use)

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

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

APPLICATION TO APPROPRIATE WATER  
STATE OF UTAH

47-1674

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- 1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses

2. The name of the applicant is Joe Shields

3. The Post Office address of the applicant is Myton, Utah 84052

4. The quantity of water to be appropriated .015 second-feet and/or \_\_\_\_\_ acre-feet

5. The water is to be used for Stockwatering & Other from \_\_\_\_\_ to \_\_\_\_\_  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period Irrigation from Apr. 1 to Oct. 31  
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from \_\_\_\_\_ to \_\_\_\_\_  
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is \_\_\_\_\_  
(Leave Blank)

7. The direct source of supply is\* Drain  
(Name of stream or other source)

which is tributary to \_\_\_\_\_, tributary to \_\_\_\_\_

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point\*  
West 900 ft. South 1100ft. from E½ Cor. Sec. 15, T4S, R2W, USB&M  
(3½ Miles SW of Myton)

Myton, Duane

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection ditch to place of use

10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
NE½SE½ Sec. 15, T4S, R2W, USB&M

Total .25 Acres

12. Is the land owned by the applicant? Yes X No \_\_\_\_\_ If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No X  
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_

15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at  
the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_

16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle  
in NE½SE½ Sec. 15, T4S, R2W, USB&M

17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_

18. If application is for municipal purposes, name of municipality \_\_\_\_\_

19. If application is for other uses, include general description of proposed uses Oil Field use

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Myton Oil Field in Pleasant Valley

21. The use of water as set forth in this application will consume .015 second-feet and/or acre-feet of water and None second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Lined area for providing additional facts.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

Signature of Applicant

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, Uintah } ss  
County of

On the 10th day of May, 1982, personally appeared before me, a notary public for the State of Utah, the above applicant, who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:



Theodore Baldwin  
Notary Public



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

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

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

October 25, 1993

RECEIVED

OCT 28 1993

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

DIVISION OF  
OIL, GAS & MINING

Gentlemen:

RE: Balcron Monument Federal #42-1J  
Balcron Monument Federal #24-12J  
Balcron Monument Federal #14-12J  
Balcron Monument Federal #21-12J

Enclosed is our sundries report our water source for the above referenced wells.

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

Sincerely,

*Molly Conrad*

Molly M. Conrad  
Operations Secretary

/mc

Enclosures

cc: State of Utah, Division of Oil, Gas, & Mining

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: MONUMENT FEDERAL 14-12J

API NO. 43-013-31411

Section 12 Township 9S Range 16E County DUCHESNE

Drilling Contractor \_\_\_\_\_

Rig # \_\_\_\_\_

SPUDED: Date 11/3/93

Time 11:00 AM

How DRY HOLE

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

Reported by AL PLUNKETT

Telephone # 1-823-6759

Date 11/5/93 SIGNED JLT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

**CONFIDENTIAL**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-035521-A
2. Name of Operator EQUITABLE RESOURCES ENERGY COMPANY	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017; Billings, MT 59104	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW SW Section 12, T9S, R16E 660' ESL, 660' FWL	8. Well Name and No. Balcron Monument Fed. #14-12J
	9. API Well No. 43-013-31411
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, UTAH

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

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

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

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

This well was spud on 11-3-93 at 11 a.m. by Leon Ross Air Drilling.

NOV 01 1993

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

Signed Molly Conrad Title Operations Secretary Date 11-4-93

(This space for Federal or State office use)

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

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

\*See Instruction on Reverse Side



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

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

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

November 4, 1993

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

Gentlemen:

RE: Balcron Monument Federal #14-12J  
SW SW Section 12, T9S, R16E  
Duchesne County, Utah

Enclosed is our sundry to report spud on the referenced well.

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

Sincerely,

Molly M. Conrad  
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining -  
also enclosed is our Entity Action Form.  
Dawn Schindler  
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX

OPERATOR Equitable Resources Energy Company  
Balcron Oil Division

OPERATOR ACCT. NO. N 9890

ADDRESS P.O. Box 21017  
Billings, MT 59104

(406) 259-7860

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
<u>AB</u>	<u>99999</u>	<u>11492</u>	<u>43-013-31411</u>	<u>Balcron Monument Federal #14-12J</u>	<u>SW SW</u>	<u>12</u>	<u>9S</u>	<u>16E</u>	<u>Duchesne</u>	<u>11-3-93</u>	<u>11-3-93</u>
WELL 1 COMMENTS: <u>Jonah Unit well. Entity added 11-15-93. JHC</u>											
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.

11/15/93

Molly Conrad  
Signature

Operations Secretary      11-4-93  
Title      Date

Phone No. 406, 259-7860

OPERATOR Equitable Resources Energy Company  
Balcron Oil Division

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

OPERATOR ACCT. NO. N9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11526	11492	43-013-31370	Balcron Monument Federal #13-5	NW SW	5	9S	17E	Duchesne	8-10-93	8-10-93
WELL 1 COMMENTS: Please add this well to the Jonah Unit. <i>Entities added 11-18-93. See</i>											
B	11511	11492	43-013-31384	Balcron Monument Federal #22-5	SE NW	5	9S	17E	Duchesne	8-16-93	8-16-93
WELL 2 COMMENTS: Please add this well to the Jonah Unit.											
B	11492	11492	43-013-31411	Balcron Monument Federal #14-12J	SW SW	12	9S	16E	Duchesne	11-3-93	11-3-93
WELL 3 COMMENTS: Please add this well to the Jonah Unit. <i>Entity added 11-15-93. See</i>											
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.

*Robbie Schuman*  
Signature  
Coordinator of Environmental and  
Regulatory Affairs 11-15-93  
Date

Phone No. (406) 259-7860



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

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

NOV 17 1993

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

DIVISION OF  
OIL, GAS & MINING

November 15, 1993

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

Gentlemen:

RE: Balcron Monument Federal #13-5  
Balcron Monument Federal #22-5  
Balcron Monument Federal #14-12J

Enclosed is a corrected Entity Action Form #6 for the subject wells.

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

Sincerely,

Molly M. Conrad  
Operations Secretary

/mc

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 11/24/93

**\*\*JONAH UNIT PARTNER'S REPORT\*\*****BALCRON MONUMENT FEDERAL #42-1J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-23-93 Completion  
Csg @ 0 psi, tbg @ 0 psi. TOOH w/tbg, SN, pkr, 1 jt. tbg & retrieving head. RU Western to frac. 5081'-86', 5292'-96'.  
Press. test surface equipment to 4000 psi, ok. See Treatment Report attached. SWIFD.  
DC: \$23,185

**BALCRON MONUMENT FEDERAL #14-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

10-25-93 Start location.

10-29-93 Finish location.

11-3-93 Move Leon Ross on &amp; spud @ 11:00 AM. Rig broke down.

11-5-93 Finish surface hole.  
DC: \$23,513 CC: \$23,513

11-6-93 Run 6 jts 8-5/8", 24# csg &amp; cement.

Guide Shoe	.60	
1 jt 8-5/8", 24# Shoe jt		45.06
Stop Ring	.00	
5 jts 8-5/8", 24#, J-55 csg		<u>225.51</u>
	271.17'	

Set @ 269' G.L.

Union KB @ 279'

Cement by Halliburton with 150 sx class "G" with 2% CCL, 1/4# per sk flocele. Good returns, 4 bbls cement back to pit. Plug down 12:30 PM.  
DC: \$4,080 CC: \$27,593

11-24-93 TD: 590' (590') Day 1  
Formation: Uintah  
MW 8.4 VIS 26 ph Mist  
Present Operation: Drilling  
Move In & RU. NU, test BOP & manifold to 2000#, OK.  
Test surface pipe to 1500#, OK. PU collars & drill cement, survey, drill.  
DC: \$4,918 CC: \$32,511

**BALCRON MONUMENT FEDERAL #31-7J CONTINUED...**

11-26-93 SD until 6 a.m. 11-26-93.

11-27-93 TD: 675' (393') Day 1

Formation: Uintah

MW 8.3 VIS 26

Present Operation: Drilling

NU & test BOP & manifold, had trouble w/ace. Tested to 2000# - OK.

Test csg to 1500# - OK. Cut drill line, PU collars & drill cmt.

Drill & survey.

DC: \$6,092

CC: \$44,361

11-28-93 TD: 1,615' (940') Day 2

Formation: Green River

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, dig ditches, & clean on rig.

DC: \$12,215

CC: \$56,576

11-29-93 TD: 2,630' (1,015') Day 3

Formation: Green River

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, trip for pressure loss, couldn't find hole, change bit & drill ahead.

DC: \$13,059

CC: \$69,635

**BALCRON MONUMENT FEDERAL #14-12J Operator: EREC/Balcron**

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E

Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

PTD: 5,750' Green River Oil - Dev.

---TIGHT HOLE---

11-25-93 TD: 1,535' (965') Day 2

Formation: Uintah

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, repair air lines, thaw out flow line, change air head rubber & drill ahead.

DC: \$12,778

CC: \$45,289

11-26-93 TD: 2,660' (1,125') Day 3

Formation: Green River

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, keep everything thawed out.

DC: \$14,532

CC: \$59,821

BALCRON MONUMENT FEDERAL #14-12J CONTINUED...

11-27-93 TD: 3,573' (913') Day 4  
Formation: Green River  
MW 8.3 VIS 26  
Present Operation: Drilling  
Drill, survey & keep everything thawed out. Get heater in wtr tank  
burning.  
DC: \$11,969 CC: \$71,790

11-28-93 TD: 4,413' (840') Day 5  
Formation: Yellow Zone  
MW 8.3 VIS 26  
Present Operation: Work on booster.  
Drill, survey, work on booster & drill.  
DC: \$13,054 CC: \$84,844

11-29-93 TD: 5,287' (874') Day 6  
Formation: Green Zone  
MW 8.3 VIS 26  
Present Operation: Drilling  
Drill, survey, work on booster & drill.  
DC: \$11,257 CC: \$96,101

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 11/30/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\***

**BALCRON MONUMENT FEDERAL #31-7J** Operator: EREC/Balcron  
 BOD WI: 79.78%  
 Location: NW NE Section 7, T9S, R17E  
 Duchesne County, Utah  
 Prospect: Jonah Unit/Monument Butte Field  
 PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

11-30-93 TD: 3,461' (831') Day 4  
 Formation: Green River  
 MW 8.3 VIS 26  
 Present Operation: Drilling  
 Drill, survey, & clean on rig.  
 DC: \$10,892 CC: \$80,527

**BALCRON MONUMENT FEDERAL #42-1J** Operator: EREC/Balcron  
 BOD WI: 79.78%  
 Location: SE NE Section 1, T9S, 16E  
 Duchesne County, Utah  
 Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-29-93 Completion  
 RU Schlumberger to perf 4779'-82' (2 SPF) & 4935'-38' (2 SPF). RD Schlumberger. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN, 156 jts 2-7/8" tbg. Set packer @ 4670' KB. RU Western to do KCL break down refer to treatment report. Reset BP @ 4815' KB. Set packer @ 4715' KB. RU Western to do KCL break down on perfs 4779'-82' refer to treatment report. Release packer, retrieve BP, reset BP @ 5001' KB, TOOH w/tbg, packer & retrieving head. SWIFN.  
 DC: \$7,991

**BALCRON MONUMENT FEDERAL #14-12J** Operator: EREC/Balcron  
 BOD WI: 79.78%  
 Location: SW SW Section 12, T9S, R16E  
 Duchesne County, Utah  
 Prospect: Jonah Unit/Monument Butte  
 PTD: 5,750' Green River Oil - Dev.

---TIGHT HOLE---

11-30-93 TD: 5,620' (333') Day 7  
 Formation: Blue Zone  
 MW 8.3 VIS 26  
 Present Operation: Drilling  
 Drill, clean rig load hole & circ. Trip for bit & drill ahead.  
 DC: \$5,311 CC: \$101,412

# Balcron Oil

## DAILY OPERATING REPORT

DATE: 12/1/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\***

BALCRON MONUMENT FEDERAL #42-1J Operator: EREC/Balcron  
 BOD WI: 79.78%  
 Location: SE NE Section 1, T9S, 16E  
 Duchesne County, Utah  
 Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-30-93 Completion  
 RU Western to frac 4779'-82' & 4935'-38 see treatment report. RD  
 Western. SWIFN.  
 DC: \$19,769

BALCRON MONUMENT FEDERAL #23-15 Operator: Balcron/EREC  
 BOD WI: 79.78%  
 Location: NE SW Section 15, T9S, R16E  
 Duchesne County, Utah  
 Prospect: Monument Butte

---TIGHT HOLE---

11-30-93 Completion  
 Start unit pumping @ 12:10 p.m. 5 SPM & 77" stroke.  
 DC: \$31,320

BALCRON MONUMENT FEDERAL #14-12J Operator: EREC/Balcron  
 BOD WI: 79.78%  
 Location: SW SW Section 12, T9S, R16E  
 Duchesne County, Utah  
 Prospect: Jonah Unit/Monument Butte  
 PTD: 5,750' Green River Oil - Dev.

---TIGHT HOLE---

12-1-93 TD: 5,750' (130') Day 8  
 Formation: Green River  
 MW 8.4 VIS 26  
 Present Operation: Pressure test pipe rams  
 Drill, circ for logs, TOH, log well by Schlumberger, LD drill pipe  
 & collars. Change 4-1/2" pipe rams to 5-1/2" csg rams & test.  
 DC: \$17,836 CC: \$119,248

BALCRON MONUMENT FEDERAL #31-7J Operator: EREC/Balcron  
 BOD WI: 79.78%  
 Location: NW NE Section 7, T9S, R17E  
 Duchesne County, Utah  
 Prospect: Jonah Unit/Monument Butte Field  
 PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

12-1-93 TD: 4,028' (567') Day 5  
 Formation: Yellow Zone  
 MW 8.4 VIS 26  
 Present Operation: Drilling  
 Drill, survey, trip for hole in pipe 30 stds down. Drill ahead.  
 DC: \$10,199 CC: \$90,726

## Balcron Oil DAILY OPERATING REPORT

DATE: 12/2/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\***BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E  
Duchesne County, UtahProspect: Jonah Unit / Monument Butte  
PTD: 5,700' Green River Oil - Dev.

12-1-93 Well spud @ 1:00 p.m. by Leon Ross Air Drilling

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E  
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-1-93

Completion

CP - 80 psi. Bleed well down. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 148 jts 2-7/8" tbg. Tag sand @ 4634' KB. Circ down to 4995' KB. Pull up & set packer @ 4750' KB. Made 14 swab runs, recovered 84 BF, fluid level @ 3600'. Last 3 runs 2% oil, small amount of gas, no sand. Release packer, tag sand @ 4960' KB, circ down to 5001' (BP), release BP & TOOH w/tbg, SN, packer, 1 jt tbg, retrieving head & BP. SWIFN.  
DC: \$1,630

BALCRON MONUMENT FEDERAL #14-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

12-2-93

TD: 5,750' (0') Day 9

Formation: Green River

Present Operation: Repair brakes

Test 5-1/2" pipe rams, run 5-1/2" csg &amp; cmt by Halliburton as follows:

Guide Shoe .60'

1 jt 5-1/2" 15.5# shoe jt 43.53'

Float collar 1.85'

130 jts 5-1/2" 15.5# K-55 csg 5672.19'

5718.17'

Landing jt 9.00'

Set @ 5727.17

PSTD: 5681.28'

Cmt'd by Halliburton w/220 sxs lead cmt &amp; tail w/260 sxs 50-50 POZ.

Plug down @ 12:45 p.m. 12-1-93. Release rig @ 4:45 p.m. 12-1-93.

ND BOP, clean mud tank &amp; rig down.

DC: \$58,584

CC: \$177,832

**KTECH**

**WELL SITE GEOLOGY  
WELL LOGGING  
CONSULTING**

**CONFIDENTIAL**

***Final Report***

43-013-31411 BALCRON OIL  
BALCRON MONUMENT FEDERAL #14-12-J  
(SW/SW) SECTION 12, T9S, R16E  
DUCHESNE COUNTY, UTAH



**GEOLOGY, MUD LOGGING  
CONSULTING**

November 30, 1993

Steve VanDelinder  
Balcron Oil  
P.O. Box 21017  
Billings, MT 59104

Mr. VanDelinder:

Enclosed is the final log for your BALCRON MONUMENT FEDERAL #14-12-J well, located in Section 12, T19S, R16E of Duchesne Co., Utah.

I appreciated the opportunity to serve you. If I can be of any further assistance in the final evaluation of the Green River sands encountered, please feel free to call me.

It would be a pleasure to work with you in the future.

Respectfully

A handwritten signature in dark ink, appearing to read 'John Kuykendall', is written over the typed name.

John Kuykendall







# KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL, (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 1 FORMATION GREEN RIVER

INTERVAL: FROM 2551' TO 2580'

DRILL RATE: ABV .8 MIN/FT THRU 2.1 MIN/FT BELOW 1.0 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	4	4	-				
DURING	6	6	1				
AFTER	4	4	TR				

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: \_\_\_\_\_ % IN SHOW LITHOLOGY \_\_\_\_\_

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: YEL

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERGRANULAR, FAIR-GOOD

LITHOLOGY SS, clr, ltgy, tr, s&p, f-cgr, sbang-sbrnd, calc, fri, & uncon

SAMPLE QUALITY GOOD

REMARKS SPOTTY OIL STN, NO FLO, FAIR FAST STRM CUT

NOTIFIED AL PLUNKET @ 06:30 HRS. DATE 11/27/93

ZONE DESCRIBED BY JOHN KUYKENDALL



# KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL, (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 2 FORMATION GREEN RIVER

INTERVAL: FROM 3697' TO 3716'

DRILL RATE: ABV .5 MIN/FT THRU .9 MIN/FT BELOW .7 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	10	24	2	1			
DURING	10	24	2	1			
AFTER	10	24	2	1			

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: \_\_\_\_\_ % IN SHOW LITHOLOGY \_\_\_\_\_

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: YEL

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERGRANULAR

LITHOLOGY SS clr, ltgy, tr s&p, vfgr-sltly, calc, fri-frm, grdg to sltst

SAMPLE QUALITY GOOD

REMARKS SPOTTY OIL STN, FAST STRM CUT, POSSIBLE RELATED GAS INCREASE FROM 3670' TO 3685', 9u-22u-10u.

NOTIFIED AL PLUNKET @ 06:30 HRS. DATE 11/27/93

ZONE DESCRIBED BY JOHN KUYKENDALL



# KTECH

WELL SITE GEOLOGY - MUD LOGGING  
2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504  
MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL, (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 3 FORMATION GREEN RIVER

INTERVAL: FROM 4052' TO 4186'

DRILL RATE: ABV .7 MIN/FT THRU .7 - 2.0 MIN/FT BELOW .8 - 1.2 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	7	16	2	1			
DURING	12	18	2	1	1		
AFTER	9	16	2	1	1		

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: \_\_\_\_\_ % IN SHOW LITHOLOGY \_\_\_\_\_

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: GN YEL

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERSTITIAL

LITHOLOGY SS qtz, wh, frm-sft, fri, f-vgr, ang-sbrnd, m-psrtg, ms lty.

SAMPLE QUALITY GOOD

REMARKS SMALL GAS INCREASE, NO FLOR, FAIR - GOOD POROSITY, ABNT OIL STN, GOOD CUT, ABNT FREE OIL

NOTIFIED AL PLUNKET @ 06:30 HRS. DATE 11/28/93

ZONE DESCRIBED BY JOHN KUYKENDALL



# KTECH

WELL SITE GEOLOGY - MUD LOGGING  
2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504  
MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL. (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 4 FORMATION GREEN RIVER

INTERVAL: FROM 4292' TO 4302'

DRILL RATE: ABV 1.1 MIN/FT THRU .8 MIN/FT BELOW 1.4 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	9	18	2	1	tr		
DURING	15	26	3	2	1		
AFTER	10	22	2	1	tr		

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: YEL % IN SHOW LITHOLOGY 70%

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: YEL

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERGRANULAR

LITHOLOGY SS ltgy,clr,mgy ip,vf-fgr,slty ip,sbanq-rnd,calc,fri-frm,uncon ip

SAMPLE QUALITY GOOD

REMARKS SPOTTY OIL STN IP, YEL FLO, GOOD FAST STRM CUT

NOTIFIED AL PLUNKET @ 06:30 HRS. DATE 11/28/93

ZONE DESCRIBED BY JOHN KUYKENDALL



# KTECH

WELL SITE GEOLOGY - MUD LOGGING  
2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504  
MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL, (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 5 FORMATION GREEN RIVER

INTERVAL: FROM 4346' TO 4355'

DRILL RATE: ABV 1.6 MIN/FT THRU .7 MIN/FT BELOW 1.5 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	11	22	2	1	tr		
DURING	11	22	2	1	tr		
AFTER	11	22	2	1	tr		

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: BLyel % IN SHOW LITHOLOGY 60%

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: YFL

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERGRANULAR

LITHOLOGY SS clr, ltgy, f-mar, sbrnd-rnd, uncon & calc, fri

SAMPLE QUALITY GOOD

REMARKS SPOTTY OIL STN, BLYEL FLO, FAIR FAST STRM CUT

NOTIFIED AL PLUNKET @ 06:30 HRS. DATE 11/28/93

ZONE DESCRIBED BY JOHN KUYKENDALL





# KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL, (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 7 FORMATION GREEN RIVER

INTERVAL: FROM 4860' TO 4922'

DRILL RATE: ABV 1.5 MIN/FT THRU .7 - 1.0 MIN/FT BELOW 1.5 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	8	12	2	1	tr		
DURING	12	18	2	1	tr		
AFTER	9	14	2	1	tr		

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: \_\_\_\_\_ % IN SHOW LITHOLOGY \_\_\_\_\_

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: GN YEL

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERSTITIAL

LITHOLOGY SS qtz,wh,brn oil stn,frm,mfri,vfqr,sbang-sbrnd,m-wsrtd,grdg to sltst,poor-fair por

SAMPLE QUALITY GOOD

REMARKS NO FLOR, ABNT DK OIL STN, GOOD FAST STRM CUT. GAS DECREASE JUST ABOVE ZONE(see log), GRDG

TO SLTST.

NOTIFIED AL PLUNKETT @ 06:30 HRS. DATE 11/29/93

ZONE DESCRIBED BY ZEKE CARTER



# KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL, (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 8 FORMATION GREEN RIVER

INTERVAL: FROM 5041' TO 5054'

DRILL RATE: ABV 1.8 MIN/FT THRU 1.0 - 1.8 MIN/FT BELOW 2 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	9	18	2	1	tr		
DURING	10	22	2	1	tr		
AFTER	9	21	2	1	tr		

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: VDULL YEL % IN SHOW LITHOLOGY 80%

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: YEL - DRY

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERGRANULAR

LITHOLOGY SS ltay,cir,sl alsy,vfgr-slty,calc,fri,sl tt

SAMPLE QUALITY GOOD

REMARKS BRN OIL STN IP,VDULL YEL FLO,FAIR FAST STRM CUT DRY.

NOTIFIED AL PLUNKETT @ 06:30 HRS. DATE 11/29/93

ZONE DESCRIBED BY JOHN KUYKENDALL



# KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #14-12-J

LOCATION 660' FSL, 660' FWL, (SW/SW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 9 FORMATION GREEN RIVER

INTERVAL: FROM 5082' TO 5096'

DRILL RATE: ABV 1.9 MIN/FT THRU .7 - 1.2 MIN/FT BELOW 2.1 MIN/FT

### MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	9	21	1	1	tr		
DURING	9	21	2	1	tr		
AFTER	9	21	2	1	tr		

TYPE GAS INCREASE: GRADUAL  SHARP  HOLE CONDITIONS: WASHED  FAIR  IN GUAGE

GAS VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING

FLUO: MINERAL  NONE  POOR  FAIR  GOOD  EVEN  SPOTTY

FLUO COLOR: VDULL YEL % IN SHOW LITHOLOGY 70%

CUT: NONE  CRUSH  POOR  FAIR  GOOD  STREAMING: SLOW  MOD  FAST

CUT COLOR: YEL

STAIN: NONE  POOR  FAIR  LIVE  DEAD  RESIDUE  EVEN  SPOTTY  LT  DK

POROSITY: POOR  FAIR  GOOD  KIND INTERGRANULAR, UNCON

LITHOLOGY SS clr, spotty ltbrn stn, fgr, sbang-rnd, uncon

SAMPLE QUALITY GOOD

REMARKS SPOTTY LTBRN STN, VDULL YEL FLO, FAIR SLOW STRM CUT.

NOTIFIED AL PLUNKETT @ 06:30 HRS. DATE 11/29/93

ZONE DESCRIBED BY JOHN KUYKENDALL

# KTECH

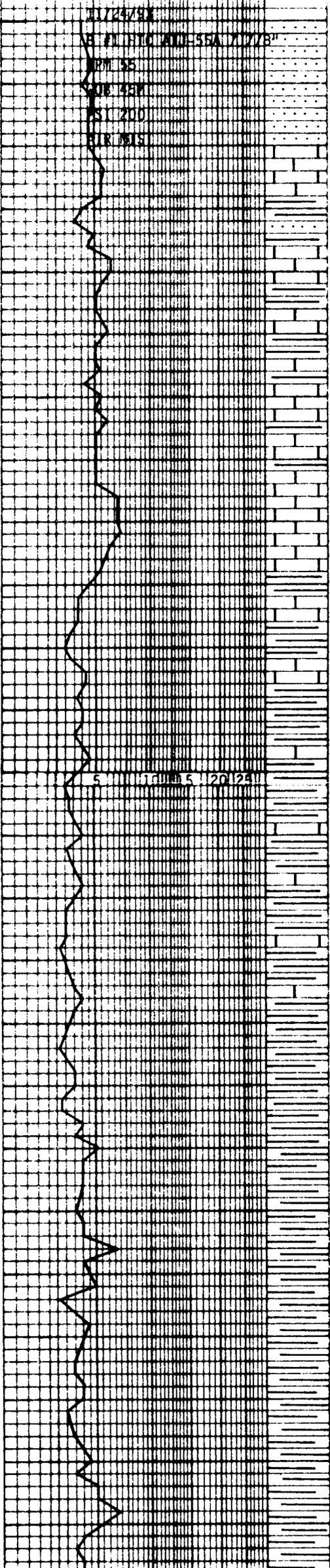
WELL SITE GEOLOGY - MUD LOGGING  
 2913 HERMOSA CT GRAND JUNCTION CO 81504 • (303) 241 9351

COMPANY	BALCRON OIL	LOCATION	660' FSL, 660' FWL, (SW/SW) SECTION 12, T9S, R16E	FROM	TO
WELL	BALCRON MONUMENT FEDERAL 14-12-J	COUNTY	DUCHESNE	DEPTH LOGGED	1400' 5750'
FIELD	JONAH UNIT	STATE	UTAH	DATE LOGGED	11/24/93 11/30/93
ELEVATION	5487' GL (ung) - 5497' KB	DRILLING FLUID	AIR MIST, SURFACE - 5565' MUD, 5565' - 5750'	ENGINEERS	JOHN KUYKENDALL ZEKE CARTER

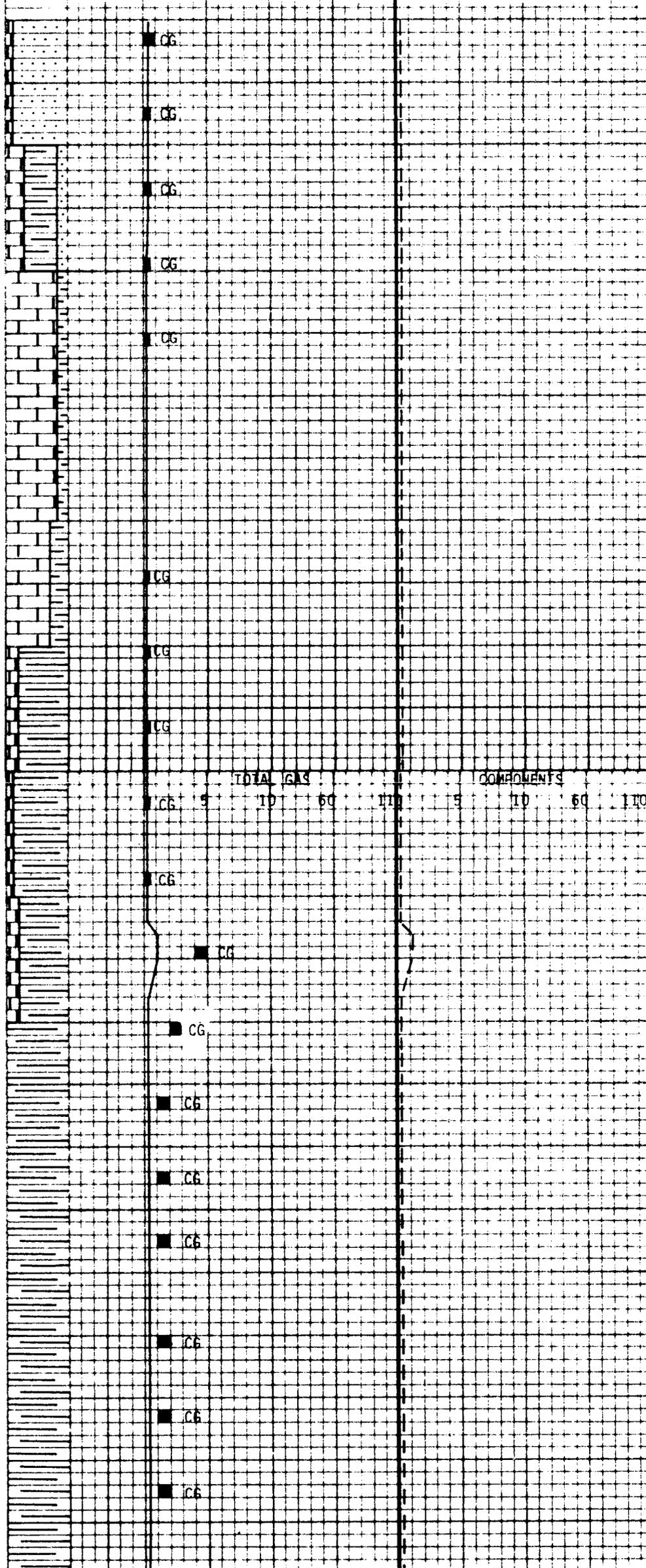
	SHALE		DOLOMITE		COAL		OIL SHOW  POOR  FAIR  GOOD   CORE NO  DST NO  O - DEVIATION S - SHOW REPORT	NE - NEW BIT RR - RETURN BIT NR - NO RETURNS CO - CIRCULATE OUT NS - NO SAMPLE TG - TRIP GAS CG - CONNECTION GAS DTG - DOWN TIME GAS LAT - LABEL AFTER TRIP
	SANDSTONE		CHERT		ANHY-GYP			
	LIMESTONE		SALT		SILTSTONE			

DRILLING RATE IN				DEPTH		PERCENT		TOTAL GAS & CHROMIUM RATE IN				TOTAL GAS & CHROMIUM RATE IN			
MIN. FT. / MIN.	MIN. 2 FT. / MIN.	MIN. 5 FT. / MIN.	MIN. 10 FT. / MIN.	DEPTH	PERCENT	PERCENT	TOTAL GAS	METHANE	ETHANE	PROPANE	BUTANE	PENTANE	HEXANE	CHROMIUM	
5	10	15	20	25			4	10	60	110	4	110	60	110	

LOGGING UNIT ON LOCATION,  
 RIGGED UP & READY TO LOG  
 11/24/93



1400  
50  
1500  
50  
1600  
50  
1700  
50  
1800  
50  
1900  
50  
2000



SS clr,ltgy,sl glsy,vf-fgr, sbang-rnd,calc,fri & uncon

LS lt-mrdcrm,glsty,crypt-micxl, blk,frm-hd,YEL FLO, NO CUT

SH mgy,mbrn,sl bent,tr pyr specs calc,blk,frm

LS mrdbrn,glsty,crypt-micxl,blk, frm-hd,YEL FLO, NO CUT

SH lt-mbrn,glsty,cryptxl,calc-lmy,plty-blky,frm-hd,grdg to mrlst

LS lt-mrdbrn,glsty,crypt-micxl, blk,frm-hd,grdg to mrlst,YEL FLO, NO CUT

LS lt-mrdcrm,glsty,crypt-micxl, blk,frm-hd,YEL FLO, SLOW STRM CUT IP

SH ltbrn,mbrn ip,glsty,crypt-micxl,plty-blky,frm-hd

SH lt-mrdorng,lt-mrdbrn,ltbrn, glsty,crypt-micxl,calc-lmy,blk, frm-hd,grdg to mrlst,VDULL YEL FLO, NO CUT

SH ltbrn,lt-mrdorng,glsty,trpyr specs,crp-micxl,blk,frm-hd,grdg mrlst,DUL YEL FLOR,N CUT

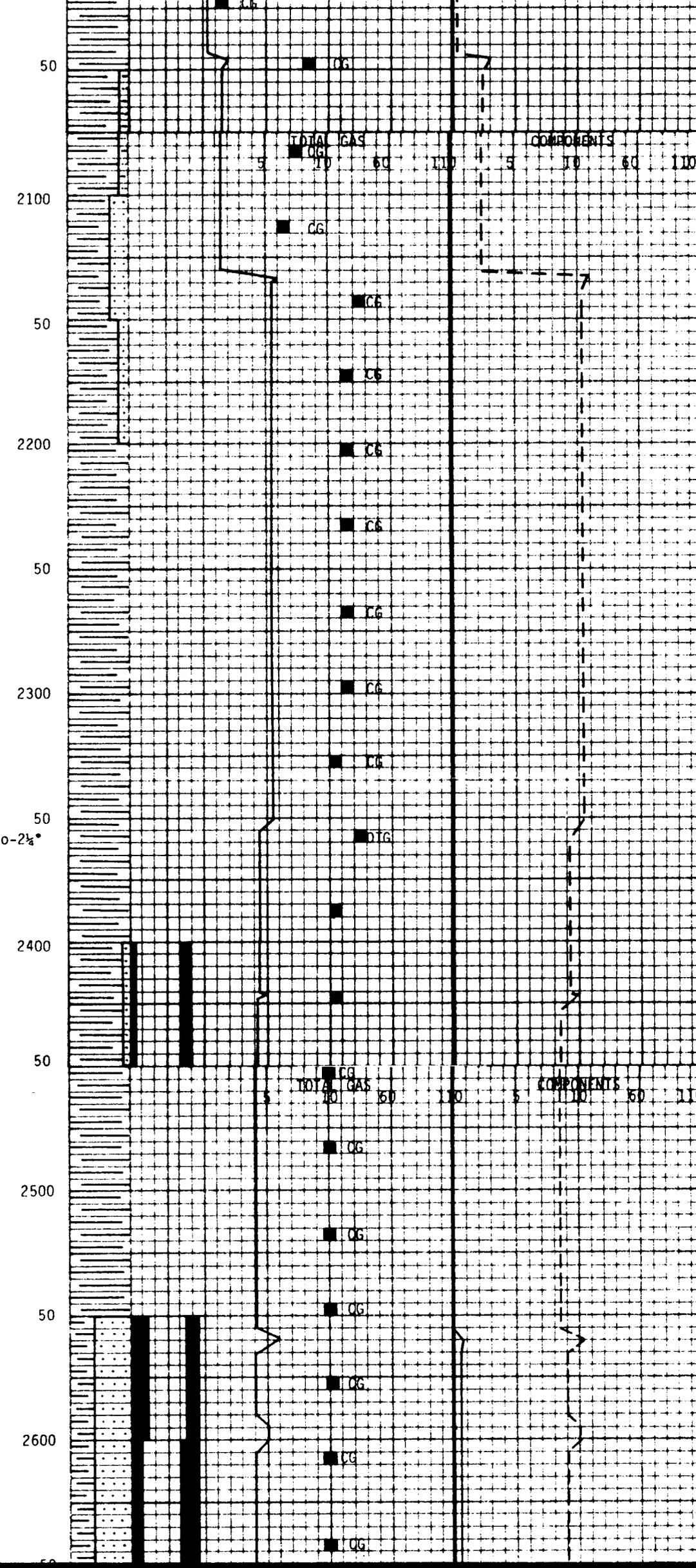
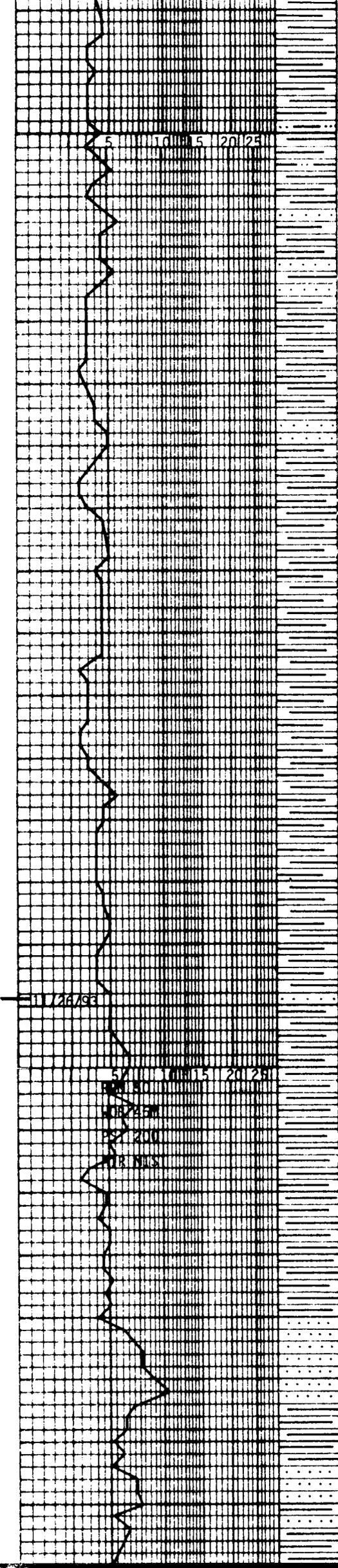
SH ltredorng,ltbrnip,glsty,crpxl, calc-lmy,blk,frm-hd,YEL FLOR, N CUT

LS lt-mredorng,glsty,crpxl,blk, frm-hd

SH morngrn,ltgybrn,frm,blk, sb blk,micxl-micgran,sltyip,occpyr mcalc,ABNT DUL ORNGBRN FLOR, OCC BRI YEL FLOR W/ FR SLOW STRM CUT

SH m-ltorngbrn,frm,sbblk,micxl, occ micgran,mcalc,ABNT V DUL BRN FLOR,N CUT

SH morngrn,m-ltgybrn,frm,sbblk, micgran,m-scalc,abnt dul brn



SLTST mbrn,hd,gran,shly,com vfgr  
ang sd,COM LTBRN O STN,BRI YEL  
FLOR,G FAST STRM CUT

SS qtz,lt-mgngy,wh,s&p,hd,silcm  
vfgr,ang,msrtd,abntmica,occpyr,  
tt

SH ltgngy,ltorngrbrn,hd,blky,sil,  
sl-mcalc

SH m-dkorngbrn,mg,hd,blky,micxl  
occpyr,silcalc

SH m-ltorngbrn,m-ltgy,hd-frn,sh  
blky,silam,micxl,micgran,silcalc

TR CHT v hd,clr-silmkyqtz,  
internal brn o stn

SH lt-dkorngbrn,frm-sft,sbblky,  
sbply,sl lam,micgran,silcalc

SH dkorngbrngy,hd,blky,ply,sl  
lam,occl blk lam,m calc,RR G FAST  
STRM CUT

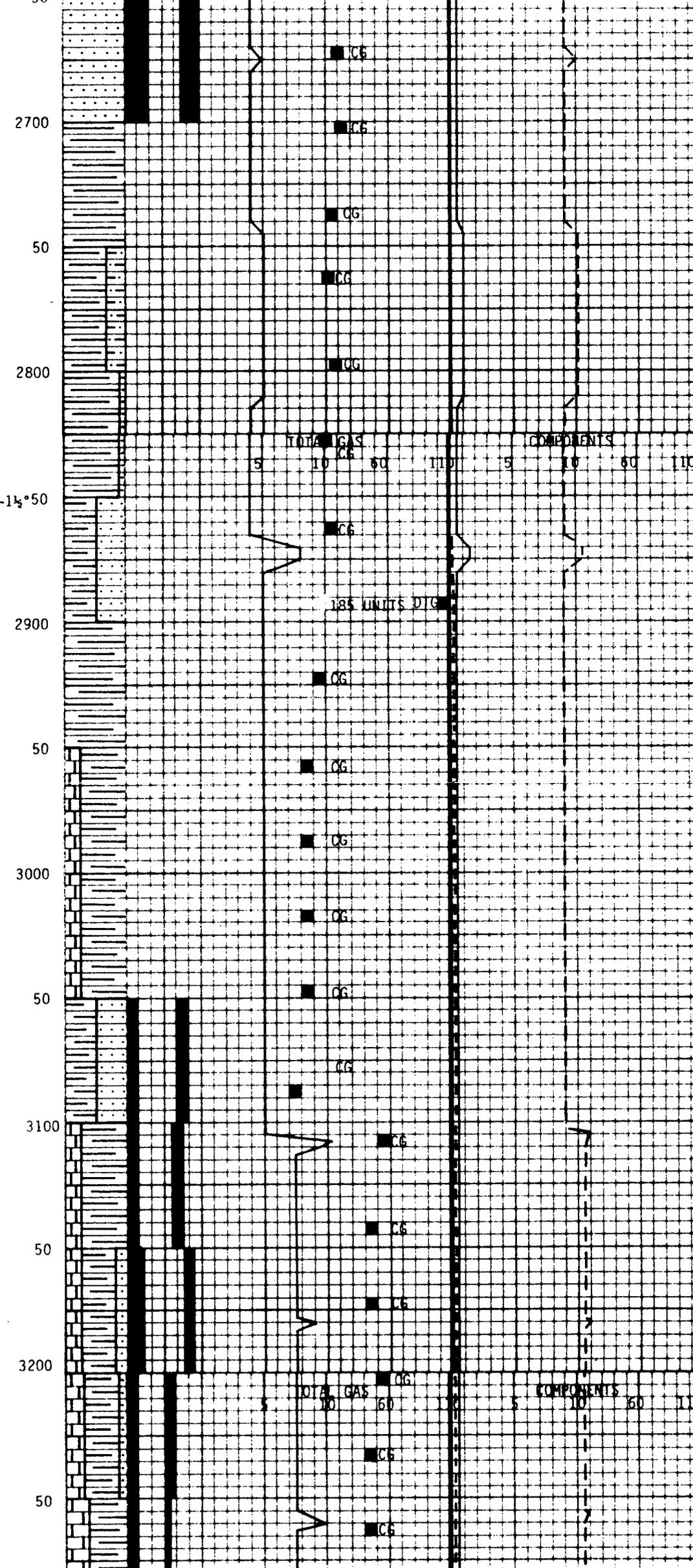
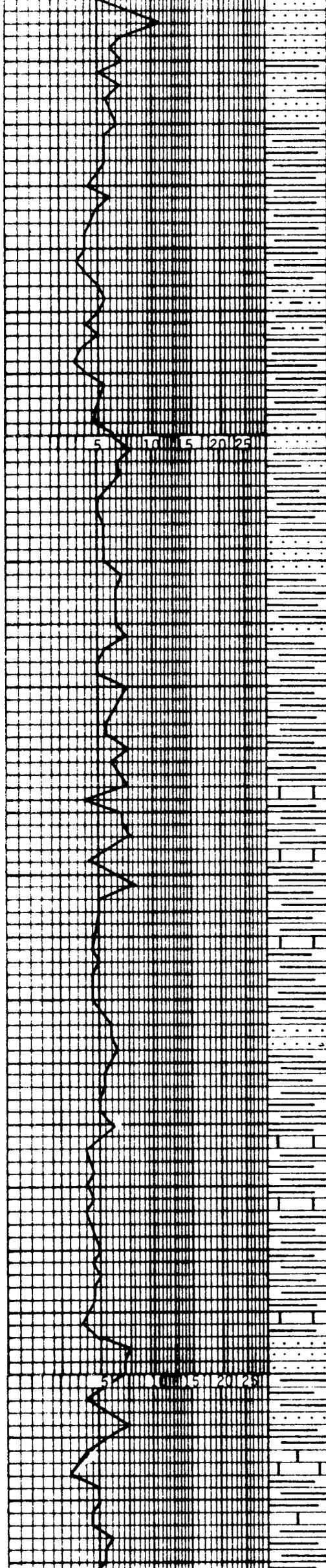
SS clas,ltgngy,wh,frm,vfgr,ang,  
psrtd,BRI WH FLOR&G FAST STRM  
CUT,FR POR

SH mbrn,mrdbrn,ltbrn ip,glsty,  
cryptxln ip,blky,frm-hd,grdg to  
mlst,DULL YEL FLO, FAST STRM  
CUT IP

SH ltrdorm,mbrn,m-dkrdbrn,glsty,  
cryptxln,calc-lmy,blky,frm-hd  
grdg to mlst

SS clr,ltgy,tr s&p,f-cgr,sbang-  
sbrnd,calc,fri & uncon,SPOTTY  
OIL STN, NO FLO, FAIR FAST STRM  
CUT

SS clr,ltgy,sl-glsty,tr s&p,vf-  
mgr,cgr ip,sbang-rnd,calc,fri-  
frm,tt ip,uncon ip,SPOTTY OIL  
STN, NO FLO, POOR FAST STRM CUT



SS clr,ltgy,f-gr, sbang-rnd, uncon & calc,fri, SPOTTY OIL STN VDULL YEL FLO, FAIR FAST STRM CUT

SH ltbrn,mrdorng, glsy ip, tr pyr spcs, calc-lmy, blk, frm-hd, DULL YEL FLO IP, GOOD MOD STRM CUT

SLTST lt-mrdorng, arg, calc, blk, sft-frm, grdg to sh ip

SH lt-dkbrn, sl glsy, tr pyr spcs, calc, plty-blky, frm, DULL YEL FLO, POOR FAST STRM CUT

SS lt-mgy, glsy, vfgr, sbrd-rd, calc frm tt

SS qtz, wh, s&p, lt-mngy, frm-hd, vf-gr, sbrd-ang, m-psrtd, msly, grdg sltstip, n stn, n flor, n cut

SH mblgy, gy, orngbrn, frm, sbblky, comsly, comsdy, occpyr

SH gybrn, gy, wh, gngy, v hd, blk, plty, lam ip

LS wh, ltermwh, sft, sbplty, micrit OCC SPEC O STN, FR MOD FAST STRM CUT, N VIS POR

SH orngbrn, crmwh, frm-hd, blk-sb plty, crpxl-micgran, com mas pyr, sl-m calc

SH lt-mgy, m-dkorngbrn, frm-hd, plty, blk, m-vcalc

SS qtz, clr-wh, hd, vfgr, ang-sbang m-psrtd, msly, fr por, N FLOR, OCC BRN O SPEC, FR MOD FAST STRM CUT

LS wh, ltermwh, frm-sft, sbblky, mic-vfgran, sl-marg, FR INTGRAN POR, N FLOR, N STN, G FAST STRM CUT

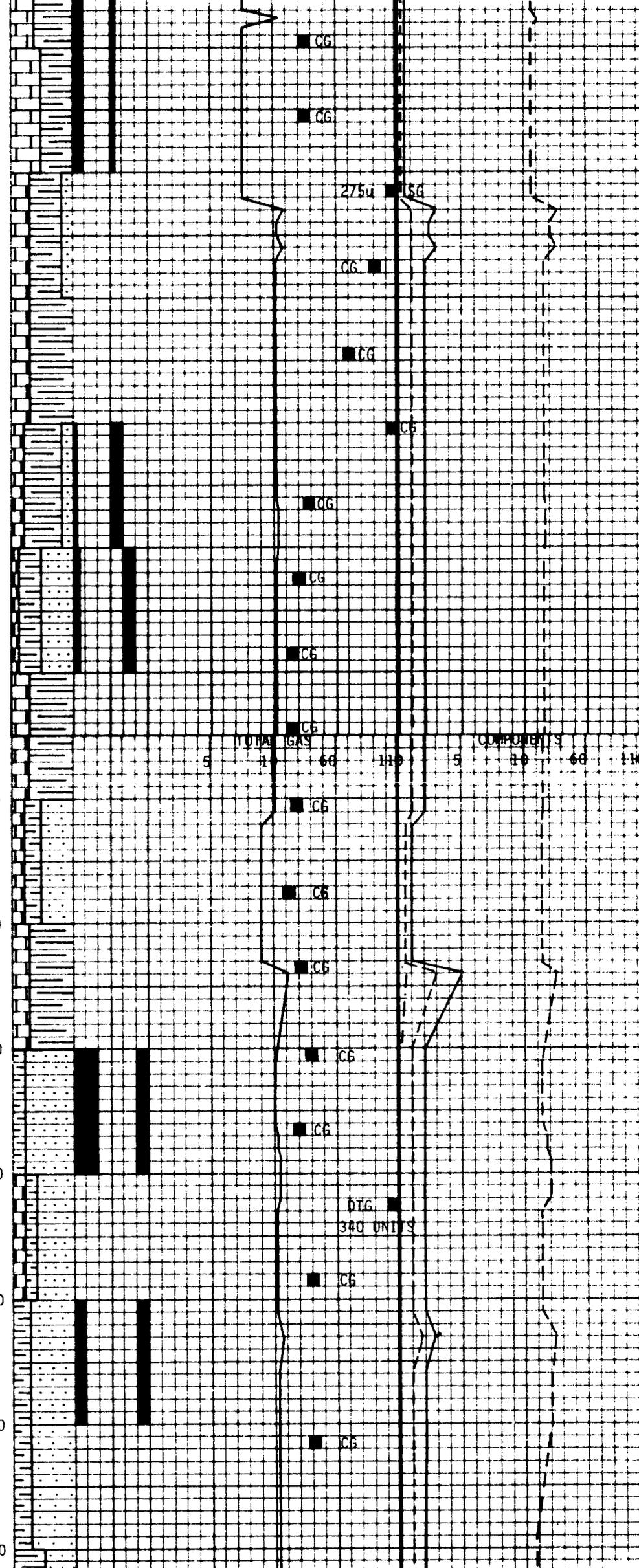
SH m-dkorngbrn, lt-mcrnbrn, hd, micxl, COM DUL BRN FLOR, OCC YEL FLOR, OCC G SLOW STRM CUT

SS clas, motclr&wh ls, frm, m fri, vf-gr, sbrd-ang, psrtd, N FLOR, ABNT O STN, G FAST STRM CUT, FR-G POR

LS wh, ltermbrn, sft-frm, sb plty-sb blk, mic-vf gran, NO STN, POOR INTERGRANULAR POR, COM WH FLOR, GOOD FAST STRM CUT

SH mgy, dk-ltermbrn, hd, blk, com pyr, m-vcalc, DULL BRN FLO, NO CUT

3300  
50  
3400  
50  
3500  
50  
3600  
50  
3700  
50  
3800  
20  
40



LS wh,lt-mcbrn,mott,frm,blky,  
mic-vf gran,com fos clas,n-sl  
arg,OCC SPEC OIL STN,COM WH FLOR  
GOOD FAST STRM CUT

LS lt-mcbrn,arg ip,crypt-  
micxn,blky,frm,SPOTTY OIL FLO  
IP,VDULL YEL FLO,FAIR SLOW STRM  
CUT

SS ltgy,clr,sl glsy,vfgr-slty,  
calc,fri-frm,grdg to sltst

LS lterm,ltermbrn,arg ip,crypt-  
micxn,blky,frm,SPOTTY OIL FLO,  
DULL YEL FLO IP, FAIR MOD STRM  
CUT IP

SH mbrn,dkblgrn,glsty ip,calc-  
lmy,plty-blky,frm

SS ltgy,clr,glsty,vfgr-slty,calc,  
fri-frm,tt,SPOTTY OIL STN IP,  
TR FAST STRM CUT

SS ltgy,clr,sl glsty,vfgr-slty,  
calc,fri-frm,SPOTTY OIL STN IP,  
MOD STRM CUT IP

SH m-dkbrn,glsty,cryptxn,blky,  
frm-hd,grdg to mlst,VDULL YEL  
FLO, POOR MOD STRM CUT IP

LS ltredcm,ltbrn,mic-vfxl,slty  
ip,blky,frm,dns

SS clr,ltgy,slglsty,vfgr-slty,  
calc,fri-frm,sl tt

LS lt-mredcm,trlas,crp-micxl,  
blky,frm-hd,dns,DUL YEL FLOR,P  
FAST STRM CUT

SH mgy,mbrn,trpytspec,calc,plty-  
blky,frm-hd

SS clr,ltgy,trs&p,vfgr-slty,calc  
fri-frm,grdg sltst,SPOTTY O STN  
FAST STRM CUT

LS lterm,mbrn,glsty,crpxl,mic-  
vfxlip,blky,frm,DUL YEL FLOR,FR  
FAST STRM CUT

SS clr,ltgy,vf-mgr,sbang-rd,calc  
fri,uncon

NOTE SCALE CHANGE FROM  
2"=100' TO 5"=100'

SS clr,ltgy,vf-fgr,sbrd-rd,calc,  
fri,uncon,tt ip,TR SPOTTY O STN  
V DUL YEL FLOR IP,FAST STRM CUT  
IP

SH m-ltgy,sft,sbblky,grdg sltst  
ip,sl calc

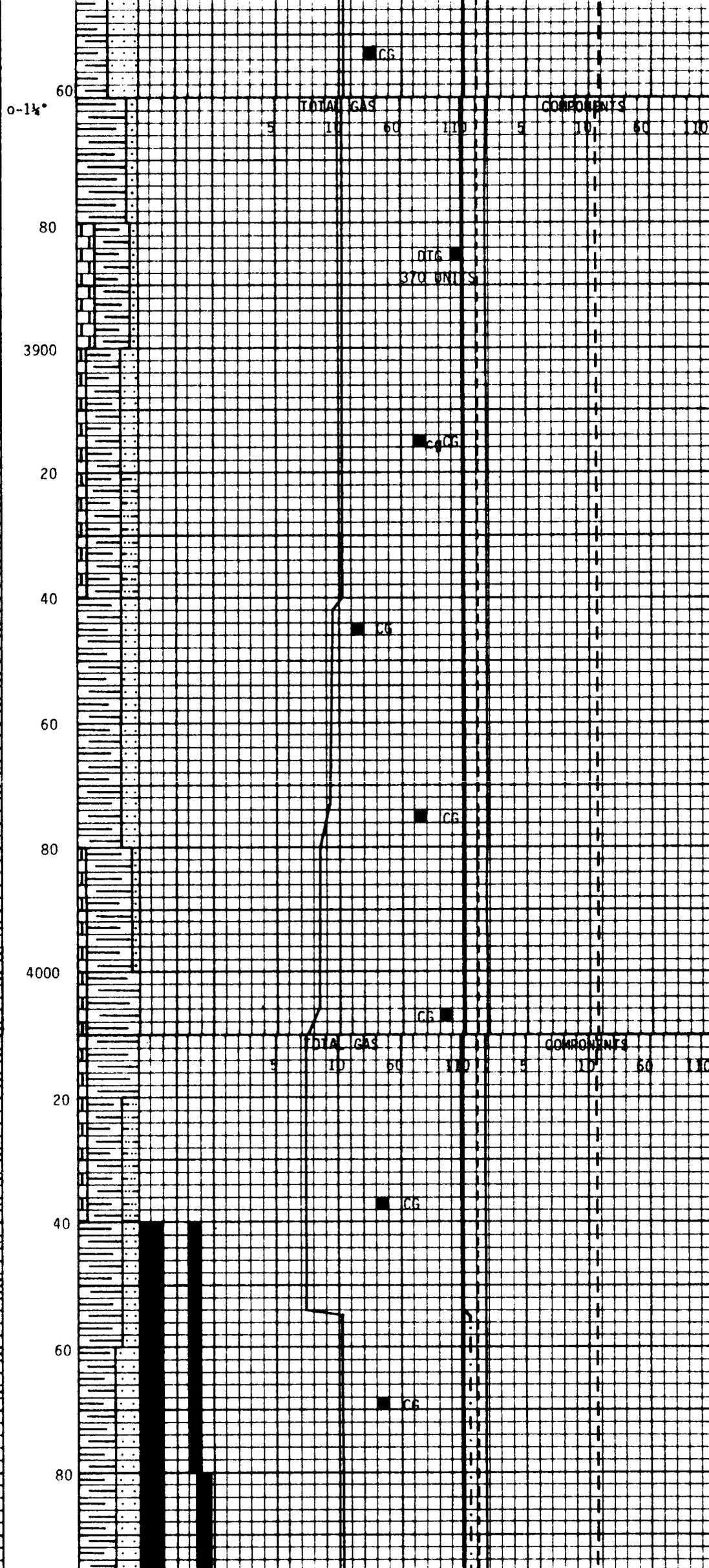
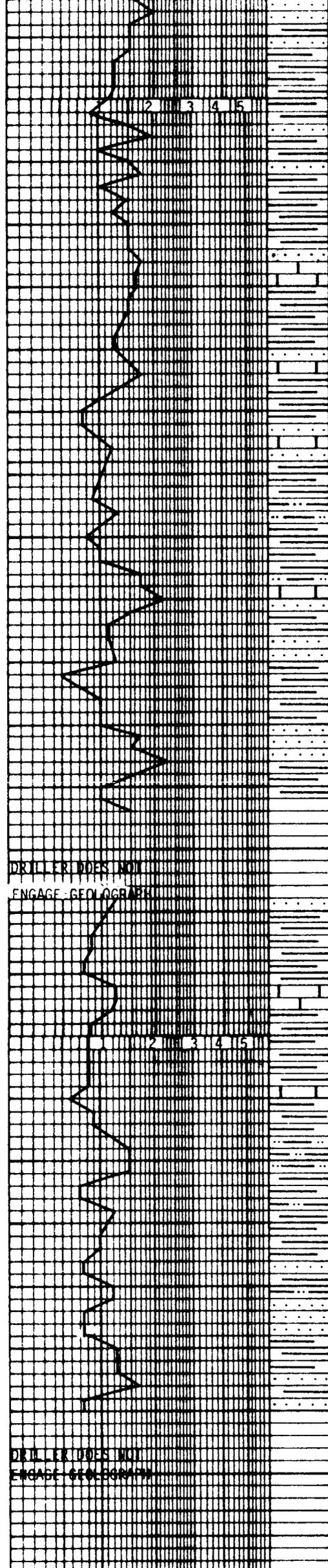
SS qtz,wh,frm,vfgr,occ fgr,sbrd-

10 15 20 25

TOTAL GAS COMPONENTS  
5 10 60 110 5 10 60 110

SCALE CHANGE FROM 2"=100' TO 5"=100'

DTG  
340 UNITS



SH lt-mgngy, frm, sbblky, slcalc

SH mgy, sft, sbply

SS qtz, ltgngy, sft, vfgr, sbrd, m srted, v slty, grdg sltst

LS ltermbrn, wh, frm, blk, crp-mic xl, com dul wh flor

SH gy, bl, mcmbrn, frm, sbblky, m-v calc

SS wh, ltgngy, frm, slfri, vfgr, sbrd sbang, msrted, grdg sltst

SLTST qtz, wh, ltgy, ltgngy, sft

SS qtz, wh, ltgy, sft, vfgr, sbrd-sb ang, m-wsrted, grdg sltst

SH m-ltgy, mblgy, mcmbrn, dkbrn, sft-frm, sbply, occpyrspec, sl-m calc

LS mcmbrn, frm, crpxl, comostracod occ sd incl

SH aa, abnt pyr spec

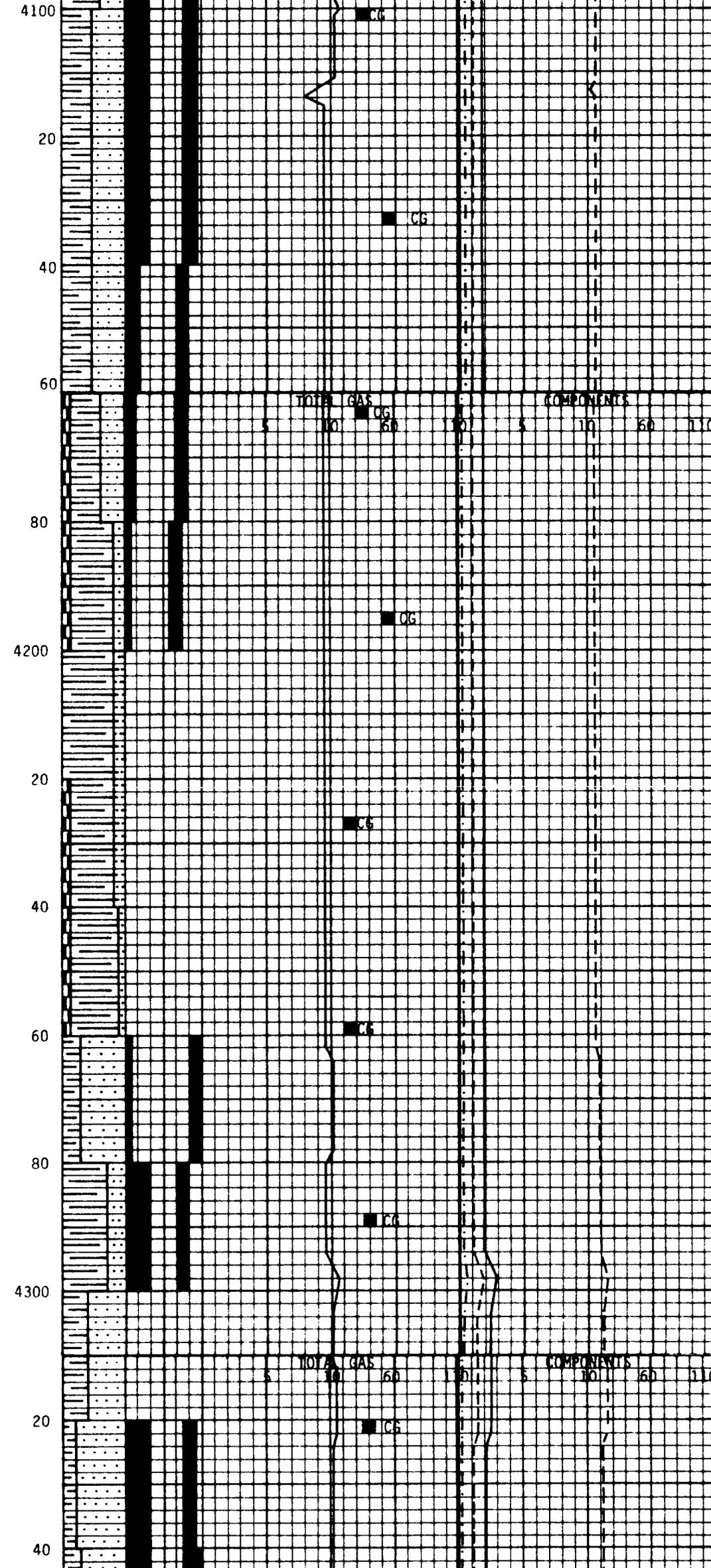
SLTST qtz, wh, ltgy, sls&p, frm, sl fri, com vfgr sbrd qtz, abnt micmica, tt, grdg vf gr ss

SS qtz, wh w/brn o stn, sft, mfri, vfgr, sbang, msrted, slcalc, vslty, grdg sltst, N FLOR, ABNT O STN, G FAST STRM CUT, FR POR

SH mblgy, sft-frm, blk-sbblky, sl-n calc

SS qtz, brn o stn, frm, mfri, f-vfgr sbang-sbrd, psrted, mslty, N FLOR, FR-G POR, ABNT O STN, G FAST STRM CUT, ABNT FRE O

SH lt-dkgy,frg,slc,sbdky,com  
pyr spec,sl-n calc



SS qtz,wh,sft,mfri,f-vfgr,ang-  
sbang,m-psrtd,mslty,FR POR,N  
FLOR,COM O STN,G FAST STRM CUT,  
DECR FRE O

TOTAL GAS COMPONENTS  
5 10 60 110 5 10 60 110

SH m-ltgy,m-dkgybrn,sft-frm,sb  
plty-blky,sl-mcalc  
LS lt-dkcrnbrn,frm-sft,crypt-  
micxn,n-sl arg

SS qtz,wh,hd,vf-fgr,ang-sbang,  
psrtd,mslty,sil cmt,sl calc,NO  
FLOR, OCC OIL STN,FAIR FAST  
STRM CUT

SH lt-dkgy,m-dkgybrn,frm-hd,sb  
blky-sb plty,slty ip,sl-mcalc  
SLTST qtz,ltgy,frm,mcalc

SH lt-mgy,occ dkgy,sft-frm,sb  
blky,com pyr spcs,sl-mcalc

LS lt-mcrnbrn,frm,blky,cryptxn

SS qtz,wh,frm,sl fri,fgr,sbang-  
sbrnd,msrtd,good por,OCC SL OIL  
STN

SS clr,ltgy,f-mgr,cgr ip,ang-  
rnd,sl calc,fri & uncon  
SPOTTY OIL STN IP, DULL YEL FLO,  
FAST STRM CUT IP

SS ltgy,clr,mgy ip,vf-fgr,slty  
ip,mgr ip,sbang-rnd,calc,fri-frm  
uncon ip,SPOTTY OIL STN IP, YEL  
FLO, GOOD FAST STRM CUT

SS ltgy,clr,glcy,vf-fgr,slty ip  
sbang-rnd,calc,fri-frm,tt

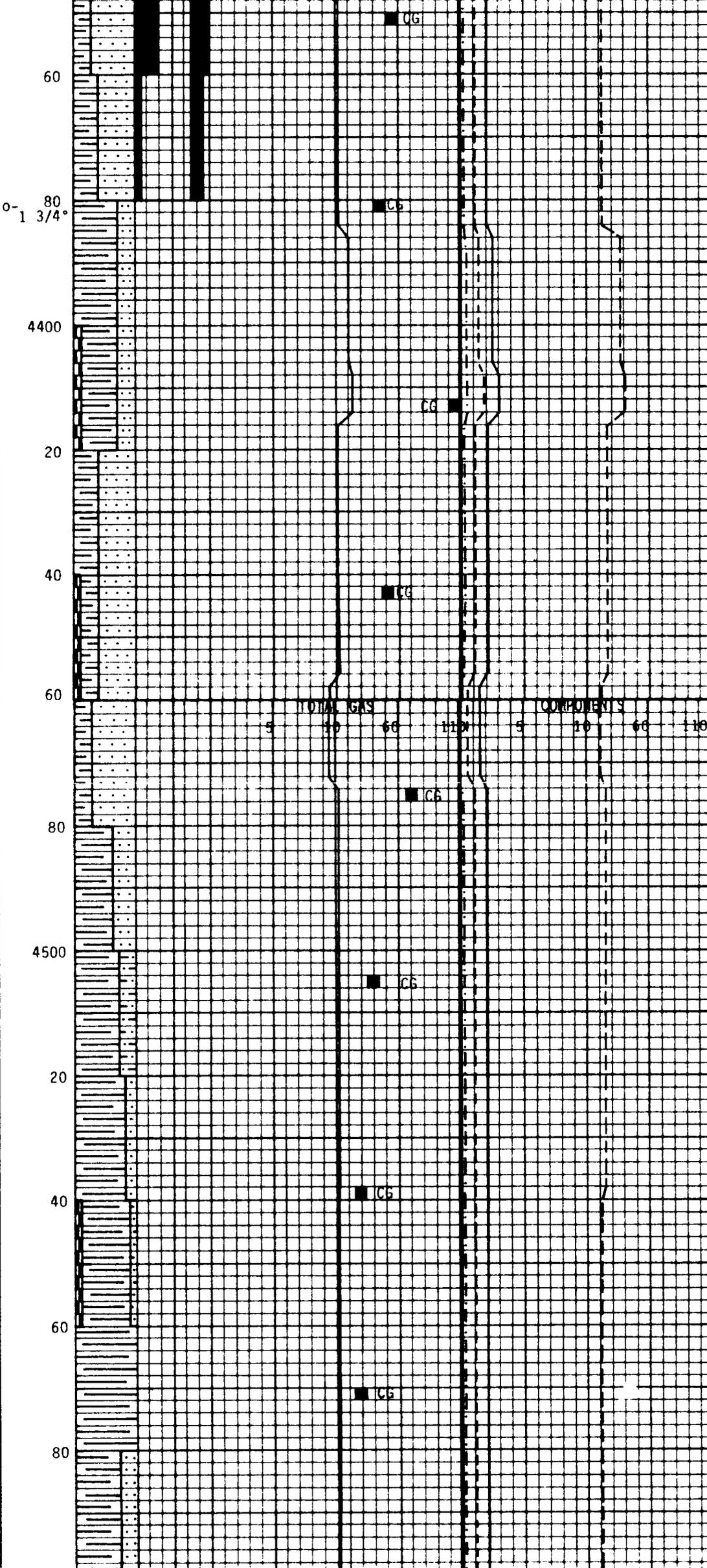
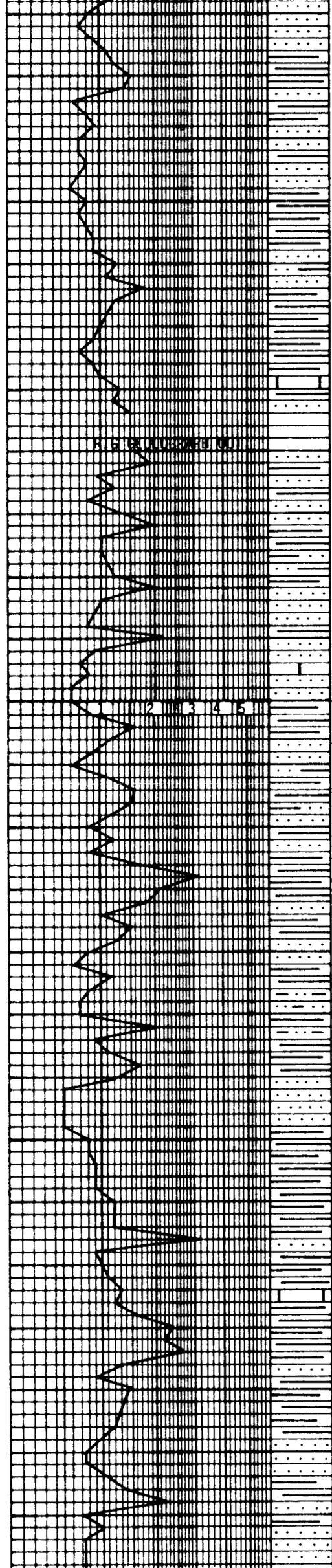
TOTAL GAS COMPONENTS  
5 10 60 110 5 10 60 110

SH m-dkbrn,mgy,bent ip,pyr spcs  
calc,plty-blky,frm

SS clr,ltgy,vf-fgr,sbang-rnd,  
calc,fri & uncon,SPOTTY OIL STN,  
BLYEL FLO, FAIR FAST STRM CUT  
DRY

25 24 91  
25 25  
25 20  
25 15

2 3 4 5  
1 2 3 4 5



SS clr,ltgy,f-mgr,sbrnd-rnd,  
uncon & calc,fri,SPOTTY OIL STN,  
BLYEL FLO,FAIR FAST STRM CUT DRY

SS ltgy,clr,glsty,vf-fgr,sbrnd-  
rnd,calc,fri-frm,tt,VLTRN STN  
IP,BLYEL FLO IP,VPOOR FAST STRM  
CUT

SS ltgy,clr,glsty,vfgr-sltgy,  
sbrnd-rnd,calc,fri-frm,tt

LS ltrdorm-lterm,mic-vfxln,plty-  
blky,sft-frm,VDULL YEL FLO,  
VSLOW STRM CUT

SH mgy,mbrn,sl bent,calc,plty-  
blky,sft-frm

SS ltgy,clr,glsty,vfgr,sbang-rnd,  
calc,fri-frm,tt,grdg to sltst

SS ltgy,clr,vf-fgr,sbrnd-rnd,  
calc,fri-frm

LS ltrdorm,clas,mic-vfxln,plty-  
blky,frm

SH lt-mgy,mbrn,sl brit,tr pyr  
spec,calc,plty,frm

SS ltgy,clr,glsty,vfgr-sltgy,calc  
fri,sl tt,grdg sltst

SH lt-mgy,sl bent,calc,plty-blky  
frm

SLTST ltgy,clr,vfgr ss ip,calc,  
fri-frm,grdg ss ip

SS ltgy,clr,glsty,vfgr,sbang-rd  
cslc,fri-frm,tt

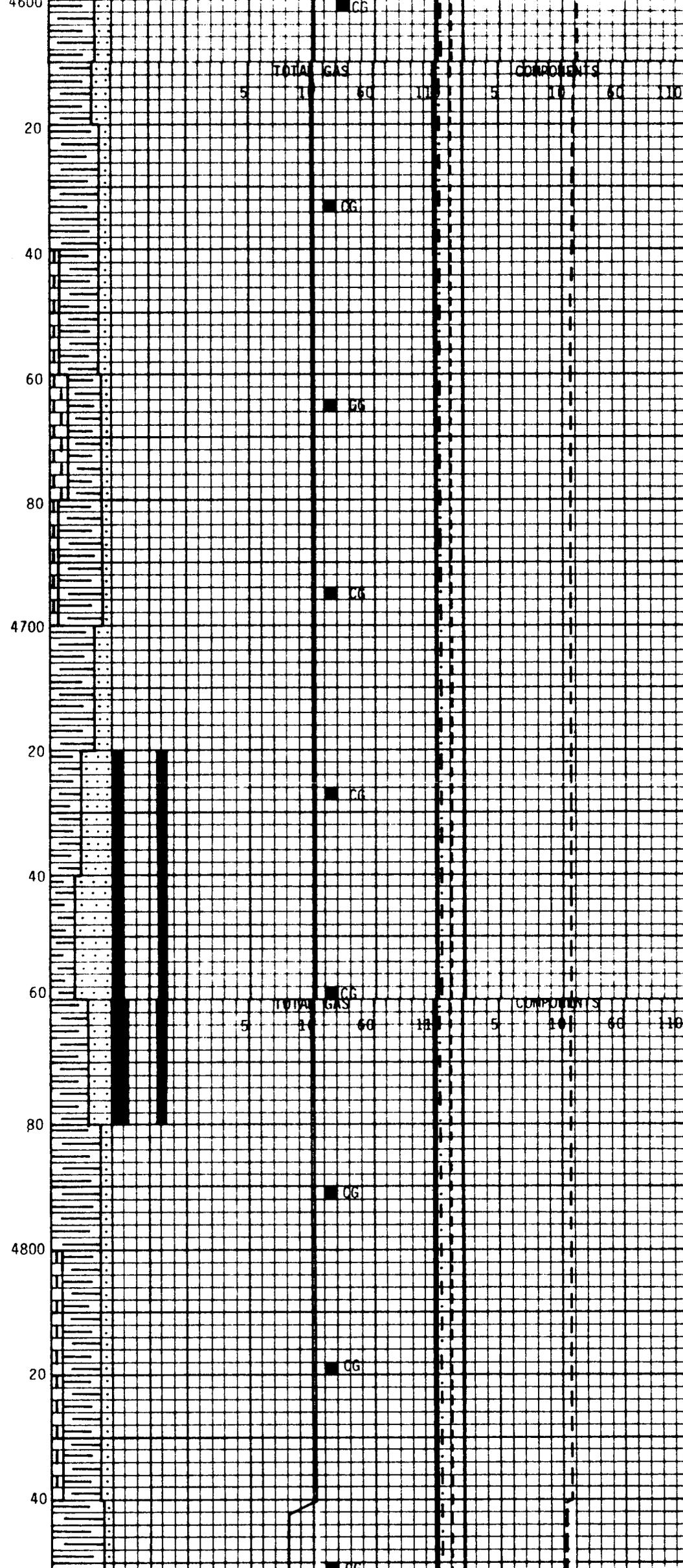
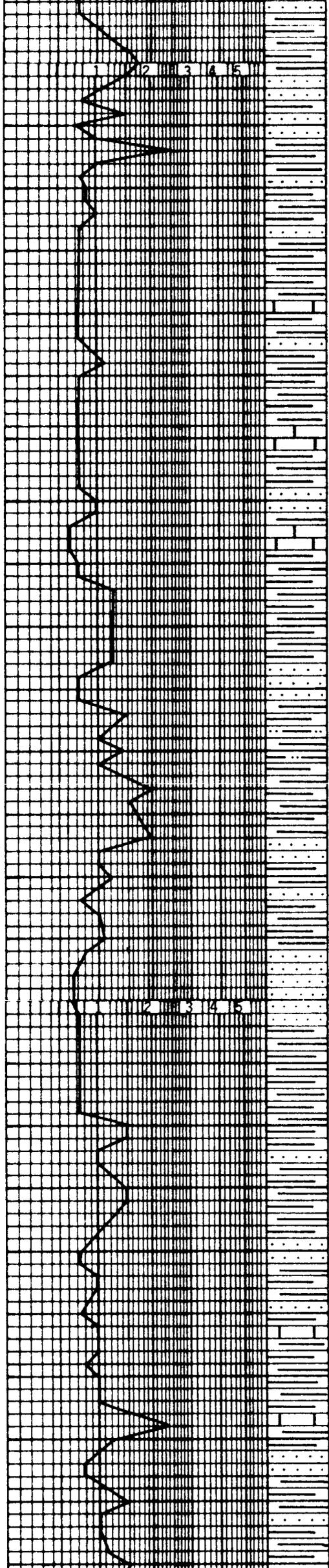
SH lt-mgy,sl bent,calc,plty-blky  
frm

LS ltrdorm,crp-micxl,plty-blky  
frm

SH lt-mgybrn,sl bent ip,glsty ip  
crpxl ip,calc-lmy,plty-blky,frm  
grdg mlst ip

SS qtz,wh,ltgy,sft,mfri,vfgr,sb  
ang-sbrd,msrtd,mslty,fr por,n  
FLOR,COM O STN,N CUT

SH mgy,ltblgy,m-dkermbn,sft-  
frm,sblky,n-slc,occ mica



SS qtz,wh,ltgy,ltgngy,frm,vfgr,  
 sbang-sbrd,wsrtd,grdg sltst,occ  
 o stn,n flor

LS wh,ltcrnbrn,frm,com sd clas,  
 crp-fxl

SH m-ltblgy,m-ltgy,m-dkgybrn,frm  
 -hd,sbblky,slcalc

SS qtz,wh,ltgy,frm,slfri,vfgr,  
 ang-sbrd,m-psrtd,vsilty,occ  
 ls clas

SH m-ltblgy,m-ltgy,dkgybrn,frm,  
 sbblky-sbply,compyspec,slcalc

SS qtz,wh,ltgy,sft,vfri,vfgr,sb  
 ang-sbrd,m-wsrtd,csilty,grdgsiltst

SH lt-mgy,ltblgy,sft,sbblky,sb  
 ply,vsilty,grdg sltst

SS qtz,wh,frm,vfgr,ang-sbang,m-p  
 srted,mslty,fr-p por,occ sl o stn  
 OCC WH FLOR,SL CRUSH CUT

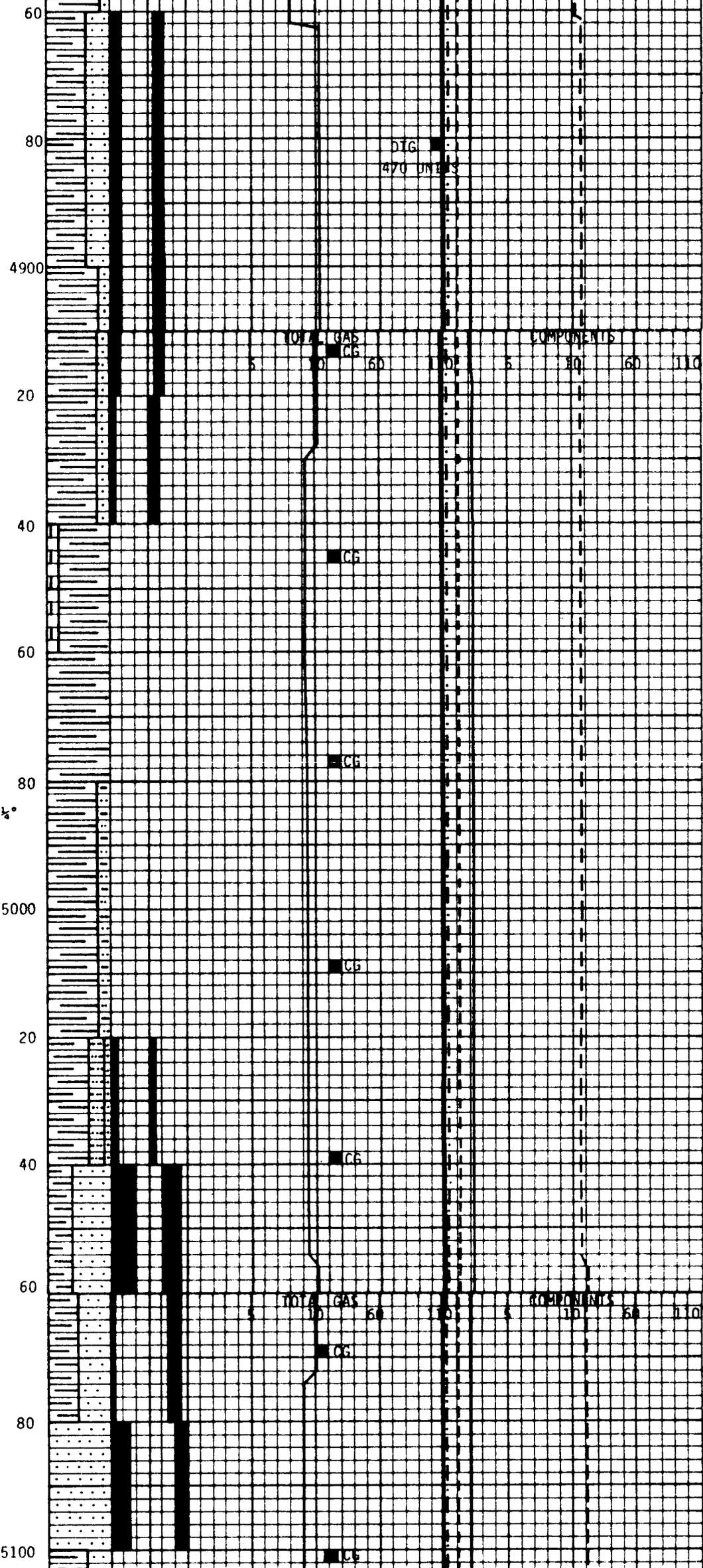
SS qtz,wh,frm,vfgr,ang-sbang,m  
 srted,mslty,occ sl o stn,occ  
 WHYEL FLOR,G FAST STRM CUT

SS qtz,wh,ltgy,ltgngy,frm,vf-f  
 gr,sbang-sbrd,mslty,COM O STN  
 OCC WHYELFLOR,G FAST STRM CUT

SH lt-mgy,m-dkgybrn,frm,sbply,  
 sl calc

LS lt-mcrnbrn,frm,blky,crpxl,sl-  
 m arg

SS qtz,wh,ltgy,frm,slfri,vfgr,  
 sbang,m-psrtd,mslty



SS qtz,wh w/ brn o stn,frm,mfri  
 vfgr,sbang-sbrd,m-wsrted,grdg  
 sltst,p-fr por,N FLOR,ABNT DK O  
 STN,G FAST STRM CUT

SH mgy,frm,sbplty,blky,occ pyr  
 spec,sl calc

SS aa,decr o stn

SS qtz,wh,frm,vfgr,sbang,msrtd,  
 vslty,grdg to sltst,NO FLOR,  
 OCC OIL STN,GOOD FAST STRM CUT

LS lt-dkcrnbn,frm,cryptgran,  
 sl-marg

SH mgy,dkgy,dkcrnbn,hd-vhd,  
 blky,mcalc

SLTST lt-dkgy,hd-vhd,sndy ip,  
 OIL STN IP,NO FLOR,FAIR SLOW  
 STRM CUT IP,tt-poor por

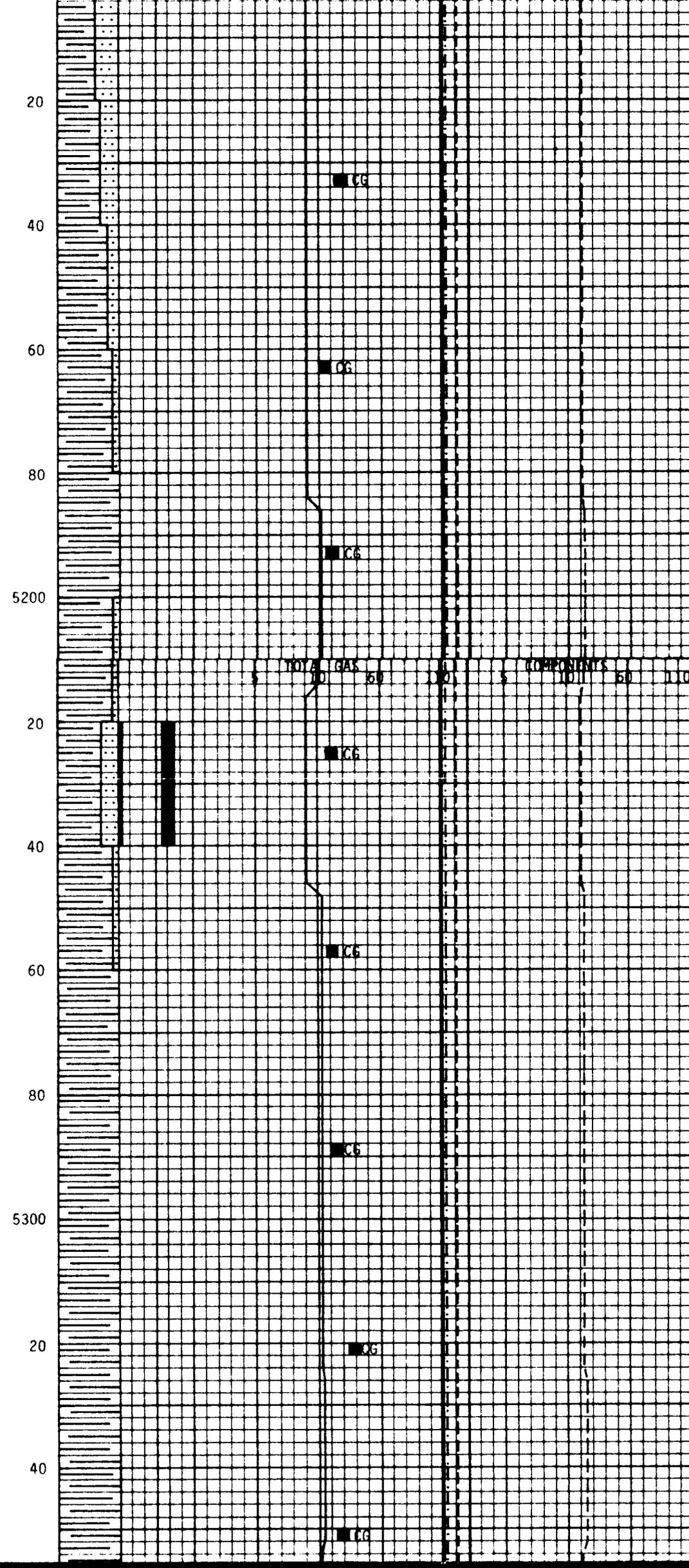
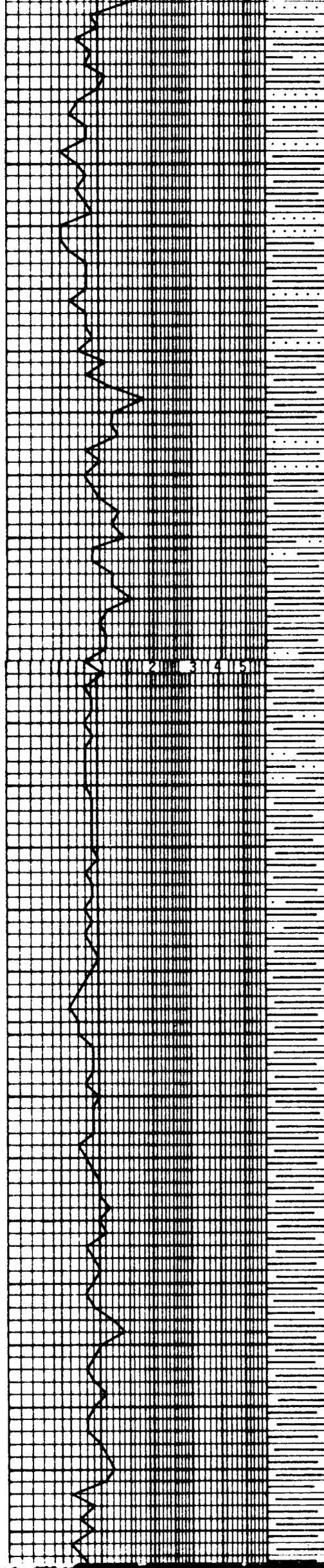
SH lt-dkgy,frm,sb blky,com mic  
 pyr spcs,occ blk lam

SS qtz,wh,brn oil stn,frm,vfgr,  
 sbang-sbrnd,wsrtd,grdg to sltst  
 COM OIL STN,NO FLOR,FAIR SLOW  
 STRM CUT,poor por

SS ltgy,clr,sl glsy,vfgr-slty,  
 calc,fri,sl tt,BRN OIL STN IP,  
 VDULL YEL FLO,FAIR FAST STRM  
 CUT DRY

SS lt-mgy,sl glsy,vfgr,slty ip,  
 calc,fri,BRN OIL STN IP,VDULL  
 YEL FLO, STN

SS clr,spotty ltbrn stn,fg,  
 sbang-rnd,uncon,VDULL YEL FLO,  
 FAIR SLOW STRM CUT



SH lt-mgy,clr,glsty,vfgr,slty ip,  
spcs,calc,plty-blky,frm

SS ltgy,clr,glsty,vfgr,slty ip,  
sbang-sbrnd,calc,fri-frm

SS ltgy,clr,glsty,vfgr,slty ip,  
sbang-sbrnd,calc,fri-frm,grdg  
to sltst

SH lt-mgy,mbrn,sl bent,calc,  
plty-blky,frm

SH mgy,dkbrn,sl bent ip,calc,  
plty-blky,frm-hd

SH lt-mgy,dkbrn,sl bent ip,pyr  
spcs ip,calc,plty-blky,frm

SS ltgy,clr,glsty,vfgr-sltgy,  
sbang-sbrnd,calc,fri-frm,tt

SS ltgy,clr,glsty,vfgr-sltgy,calc,  
fri,frm ip,tt ip,grdg to sltst,  
TR DKBRN STN, NO FLO, STN

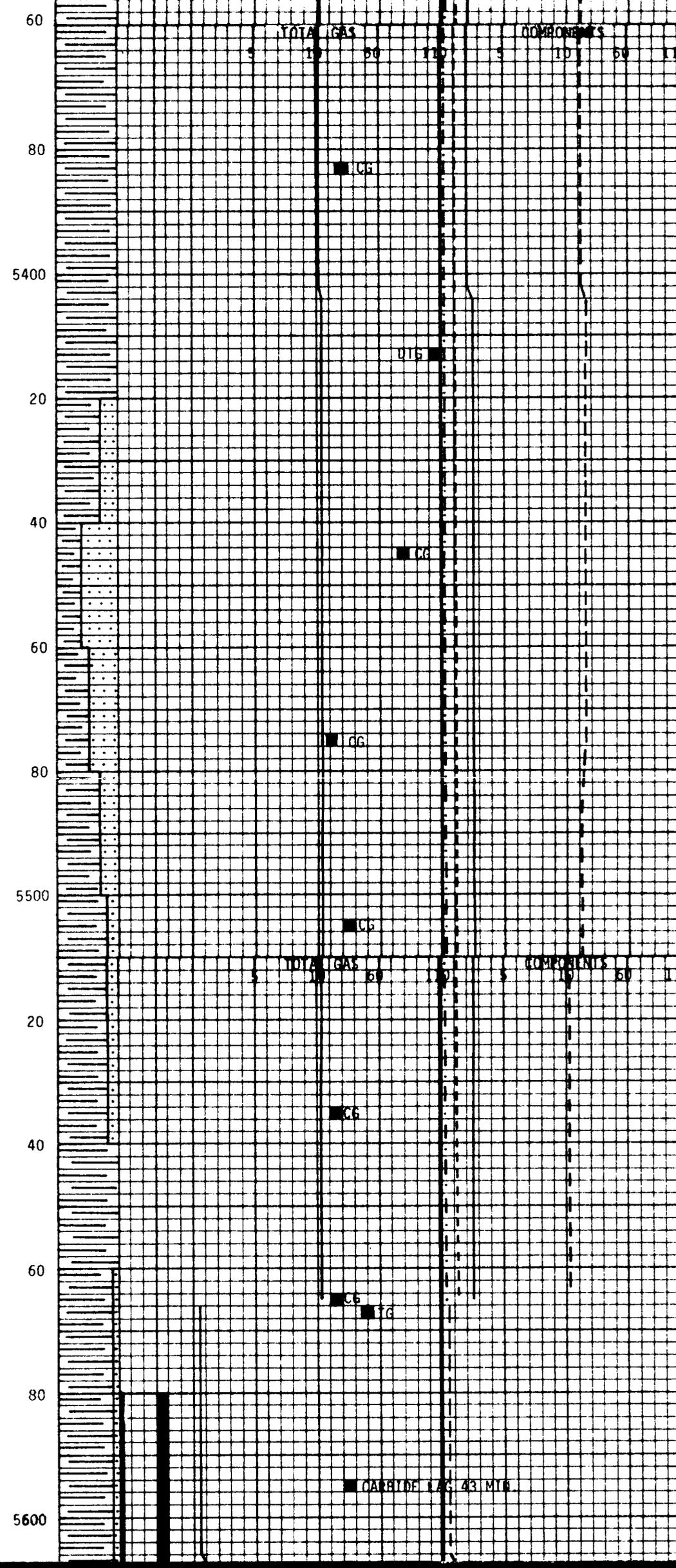
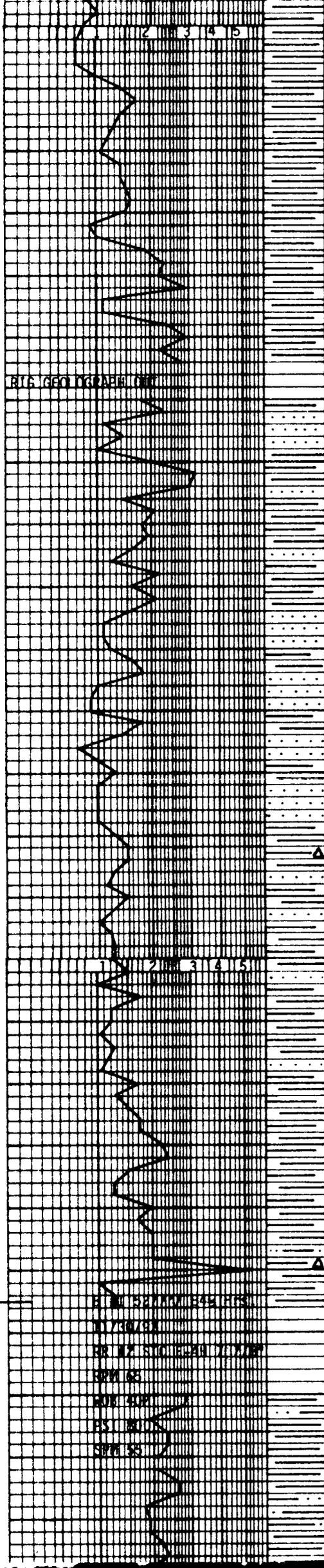
SH lt-mgy,lt-mbrn,sl bent,tr pyr  
spcs,calc,plty-blky,frm

SH lt-mgy,m-dkbrn,sl bent ip,  
carb ip,pyr spcs ip,calc,plty-  
blky,frm

SH dkbrn,lt-mgy,blk ip,carb,bent  
ip,pyr spcs,calc,plty-blky,frm

SH m-dkbrn,blk ip,carb spcs,sl  
calc-sil,blky,frm

SH mbrn,mgy,dkbrn ip,calc,plty-  
blky,frm



SH mgy,m-dkbrn,pyrspec,sl bent,  
sl calc,sl ip,plty-blky,frm

SH m-dkbrn,mgy,pyrspec,carbip  
tr bent,calc,plty-blky,frm

SH m-dkbrn,mgyip,pyrspec,carbip  
calc,plty-blky,frm

SS clr,ltgy,f-mgr,sbang-sbrd  
uncon

SS ltgy,clr,glsty,vfgr-sltty,sbrd-  
rd,calc,fri,sl tt

SS qtz,wh,ltgy,ltgngy,sft,mfri  
vf-fgr,ang-sbrd,psrtd,mslty,n  
flor,n stn,n cut

SH m-ltgy,ocdkgyblk,sft-frm,so  
blk,grdg sltst ip

TR CHT dkgyblk,v hd

SS qtz,wh,ltgy,sft,slfri,vfgr  
ocd fgr,sbang-ang,psrtd,mslty

SS qtz,sft,vfri,vfgr,ang-sbrnd,  
msrtd,grdg to sltst

SH mgy,dkbrnblk,sft-frm,so plty,  
blk

tr CHT dkgy,blk,vhd

DRLG W/ MUD

SS ltgy,offwh,glsty,tr s&p,vf-  
fgr,sbrnd-rnd,lmy,fri

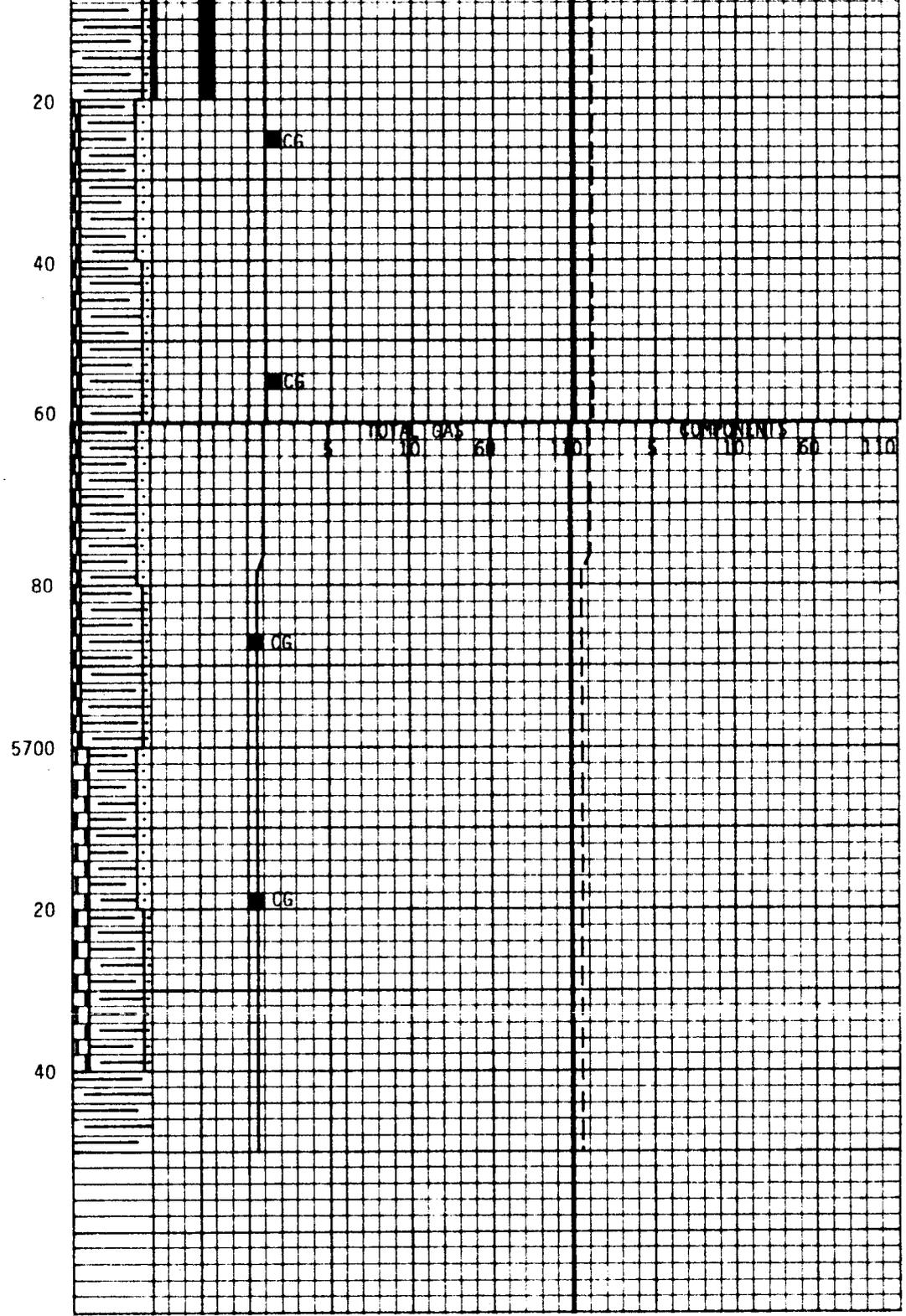
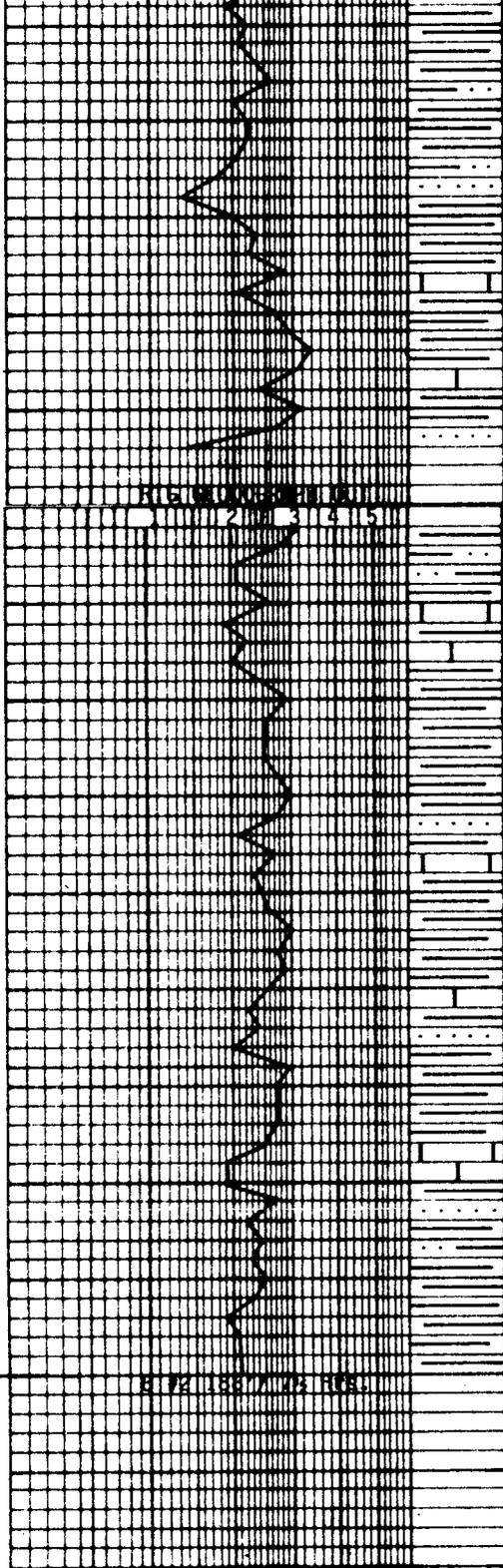
SH mgy,mbrn,sl bent,sl wxy,sl-  
calc,plty-blky,frm

SS ltgy,offwh,glsty,vf-fgr,mgr  
ip,calc,frm,tt,BRITE BLYEL FLOR  
STN - SLOW STRM CUT IP

SH lt-mgy,sl bent,sl wxy,tr pyr

BITE 1527101842 FTS  
11/24/01  
HR 17 5201220 17200  
RPM 60  
WOB 400  
HS 800  
SPR 50

CARBIDE LAG 43 MIN



spcs, calc, blk, frm

SS ltgy, offwh, glsy, vf-fgr, calc, frm, tt, BRITE BLYEL FLOR, STN

SS lt-mbrn, vgl, vfgr, sbang-rnd lmy mt, plty, frm-hd, tt

LS lt-mrdcr, gran ip, arg ip, crypt-micln, blk, frm-hd

SH m-dkbrn, mgy, carb ip, sl bent ip, sl-calc, blk, frm-hd

SS lt-mgy, clr, s&p, glsy, vf-fgr, sbrnd-rnd, calc, frm, tt

SH mgy, mgrngy, mbrn, sl bent, sl wxy, calc, plty-blk, frm

LS lt-mrdcr, glsy, dns, cryptln blk, frm-hd

SS lt-mgy, clr ip, vgl, tr s&p, vf-fgr, sbrnd-rnd, calc, frm, tt

SH lt-mgy, lt-mgrngy, mbrn, blk ip bent ip, tr pyr spcs, sl sil-calc plty-blk, frm

DRILLERS TD 5750'

LOGGING UNIT #1 RELEASED 11/30/93



DAILY OPERATING REPORT

~~BALCON MONUMENT FEDERAL~~  
Location: SW SW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FSL 660' FWL

12-6-93 Completion  
RU Schlumberger to perf 5,070'-5,078' @ 2 SPF,  
RD Schlumberger. TIH w/5-1/2" BP, retrieving  
head, 1 jt 2-7/8" tbg, 5-1/2" pkr, SN & 164  
jts 2-7/8" tbg, set BP @ 5,155'KB, EOT @  
5,055'KB, pkr set @ 5,024'KB. RU Halliburton  
to break down perfs 5,070'-5,078'. See  
attached treatment report. Press. test  
surface equipment to 5,500 psi, OK. TOOH  
w/tbg, SN, pkr, 1 jt tbg & retrieving head.  
RU Halliburton to frac 5,070'-5,078'. Press.  
test surface equipment to 4,000 psi, OK. See  
attached treatment report. Screen out.  
SWIFD.  
DC: \$21,447

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #14-12J

Location: SW SW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FSL 660' FWL

- 12-6-93 Completion  
RU Schlumberger to perf 5,070'-5,078' @ 2 SPF, RD Schlumberger. TIH w/5-1/2" BP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" pkr, SN & 164 jts 2-7/8" tbg, set BP @ 5,155'KB, EOT @ 5,055'KB, pkr set @ 5,024'KB. RU Halliburton to break down perfs 5,070'-5,078'. See attached treatment report. Press. test surface equipment to 5,500 psi, OK. TOOH w/tbg, SN, pkr, 1 jt tbg & retrieving head. RU Halliburton to frac 5,070'-5,078'. Press. test surface equipment to 4,000 psi, OK. See attached treatment report. Screen out. SWIFD.  
DC: \$21,447
- 12-7-93 Completion  
CP - 5<sup>o</sup> psi. TIH w/retrieving tool, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN, & 141 jts tbg. Tag sand @ 416' KB, circ clean to 5155' KB. Set packer @ 5023' KB. EOT 5055' KB. Made 9 swab runs. Recovered 54 bbls of fluid. Last 3 runs trace of oil, no sand. Release BP, TOOH w/6 jts 2-7/8" tbg. SWIFN.  
DC: \$1,776

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 12/9/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\*****BALCRON MONUMENT FEDERAL #24-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-9-93 TD: 5,700' (64') Day 6

Formation: Green River

MW 8.4 VIS 26

Present Operation: WO float collar.

Drill, load hole w/fluid & circ, trip out for logs. Log well, TIH,  
LD drill pipe & collars. Test pipe rams to 2000# - OK. Run 5-1/2"  
csg, cross thread jt in float collar. WO float collar.

DC: \$19,342

CC: \$120,358

**BALCRON MONUMENT FEDERAL #14-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

12-8-93 Completion

CP - 0. Pull up to 4373' KB, set BP. TOOH w/tbg & tools. RU  
Schlumberger to perf 4097'-4104' (5 holes) & 4299'-4308' (6 holes).  
TIH w/retrieving tool, 1 jts 2-7/8" tbg, 5-1/2" HD packer, SN & 136  
jts 2-7/8" tbg. Set packer @ 4244' KB EOT 4279' KB. RU  
Halliburton to do KCL break down on 4299'-4308' refer to treatment  
report. Reset BP @ 4161' KB, set packer @ 4032' KB, EOT 4067' KB.  
Do KCL break down on 4097'-4104' refer to treatment report. RD  
Halliburton. Release BP, reset BP @ 4373' KB. TOOH w/tbg &  
packer. SWIFN.

DC: \$2,442

**BALCRON MONUMENT FEDERAL #31-7J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NW NE Section 7, T9S, R17E  
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte Field

---TIGHT HOLE---

12-8-93 Completion

RU Schlumberger to run CBL & perforate 5050'-55', 5062'-64', 5080'-  
86', & 5100'-06' (2 SPF). Cmt top 1830' KB. RD Schlumberger. TIH  
5-1/2" RBP, retrieving head, HD packer, SN & 163 jts 2-7/8" tbg,  
set BP 5072' KB, packer @ 5021' KB, EOT 5026' KB. RU Western to  
break down 5050'-55 & 5062'-64' refer to treatment report. Reset  
BP @ 5140' KB, set packer @ 5072' KB EOT @ 5077' KB. Break down  
5080'-86' & 5100'-06' refer to treatment report. TOOH w/tbg &  
packer. SWIFN.

DC: \$7,817



**EQUITABLE RESOURCES  
 ENERGY COMPANY**  
 BALCRON OIL DIVISION  
 1401 Lewis Avenue  
 P.O. Box 2107  
 Mingo, MO 64854-1017

TREATMENT REPORT

Well Name Monument Fed. 14-12J Date of Treatment: 12-8-9  
 Field Monument Butte County Duchesne State Utah  
 SEC. 12 TWN. 9S RNG. 16E  
 Formation/Perforations: Green River / 4299-4308

Treatment type: KCH Break Down Total Number of Holes: 6  
 Treatment Company: Halliburton

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____
_____ Gal.	_____	_____	_____	_____

TOTAL FLUID PUMPED: \_\_\_\_\_ gal. \_\_\_\_\_ %  
 \_\_\_\_\_ gal. 2% KCH water Acid fluid

TOTAL SAND VOL.: \_\_\_\_\_ lbs. \_\_\_\_\_ sand  
 \_\_\_\_\_ lbs. \_\_\_\_\_ sand  
 \_\_\_\_\_ lbs. \_\_\_\_\_ sand  
 \_\_\_\_\_ lbs. \_\_\_\_\_ bauxite

Flushed well with \_\_\_\_\_ gal. of \_\_\_\_\_  
12 ball sealers were pumped. Was ball action seen? \_\_\_\_\_

Barrels of Load to Recover \_\_\_\_\_ BLTR.

Avg. Treating Pressure = 1800 psi, max = 3000 psi, min = 1750 psi.  
 Avg. Treating Rate = 4.0 bpm, max = 4.0 bpm, min = 4.0 bpm.  
 ISIP = 1200 psi, 5 min. = \_\_\_\_\_ psi, 10 min. = \_\_\_\_\_ psi, 15 min. = \_\_\_\_\_ psi.  
 Well will be shut in for \_\_\_\_\_ hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT 1450 PSI AT 1.7 BPM, BACK TO 2000 PSI AT 5.2 BPM  
JUDGE BALL OFF, PUMP RATE 5.2 BPM AT 2800 PSI



**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION  
1401 Lewis Avenue  
P.O. Box 21017  
Birmingham, MI 48104-1017

TREATMENT REPORT

Well Name Monument Fed, 14-12 J. Date of Treatment: 12-8-93  
Field Monument Butte SEC. 12 TWN. 9 S RNG. 17 E  
County Duchesne State Utah  
Formation/Perforations: Green River / 4097 - 4104

Treatment type: KCL Break Down Total Number of Holes: 5  
Treatment Company: Halliburton

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #

TOTAL FLUID PUMPED: \_\_\_\_\_ gal. \_\_\_\_\_ % \_\_\_\_\_  
\_\_\_\_\_ gal. 2% KCL w/ water Acid fluid

TOTAL SAND VOL. : \_\_\_\_\_ lbs. \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ bauxite

Flushed well with \_\_\_\_\_ gal. of \_\_\_\_\_  
\_\_\_\_\_ ball sealers were pumped. Was ball action seen? 11 yes

Barrels of Load to Recover \_\_\_\_\_ BLR.

Avg. Treating Pressure = \_\_\_\_\_ psl, max = \_\_\_\_\_ psl, min = \_\_\_\_\_ psl.

Avg. Treating Rate = \_\_\_\_\_ bpm, max = \_\_\_\_\_ bpm, min = \_\_\_\_\_ bpm.

ISIP = 1250 psl, 5 min. = \_\_\_\_\_ psl, 10 min. = \_\_\_\_\_ psl, 15 min. = \_\_\_\_\_ psl.

Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: INITIAL Break at 3800 PSI AT 0.5 BPM, back to 2690 PSI AT 6.6 BPM  
SURGE BALLS OFF, PUMP FOR RATE, 5.9 BPM AT 2500 PSI

Well site Supervisor: [Signature]

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 12/10/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\*****BALCRON MONUMENT FEDERAL #12-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 12, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-9-93

Completion

Start unit pumping, 5 SPM, 86" stroke length. Beam pump, Bethlehem  
C-320-212-86 unit, S/N 30617E-31 3665. Engine - Ajax model E-42  
S/N 68203.

DC: \$33,790

**BALCRON MONUMENT FEDERAL #24-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-10-93

TD: 5,700' (0') Day 7

Formation: Green River

Present Operation: RDMO

WO float collar, run 5-1/2" csg, cmt by Western as follows:

Guide shoe .60'

1 jt 5-1/2" 15.5# shoe jt 44.18'

float collar 2.10'

128 jts 5-1/2" 15.5# K-55 csg 5629.34'

5676.22'

Landing jt 9.00'

Csg set @ 5685.22'

PBSD 5636.34'

20 centralizers

Cmt by Western with 204 sxs Thrifty lite &amp; tail w/215 sxs 50-50

POZ. Plug down @ 1:30 p.m. 12-9-93. Release rig @ 5:30 p.m. 12-9-

93. Set slips, ND BOP, &amp; clean mud tank.

DC: \$48,035

CC: \$168,393

**BALCRON MONUMENT FEDERAL #14-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

12-9-93

Completion

CP - 10 psi. RU Halliburton to frac 4299'-4308' & 4097'-4104'  
w/sand & tracer refer to treatment report. Shut down on pad, high  
pressure, call for 500 gallons HCL. Start acid followed by pad  
refer to treatment report. SWIFN. RD Halliburton.

DC: \$6,037



EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
1001 Lewis Avenue  
P.O. Box 11017  
Billings, MT 59104-1017

TREATMENT REPORT

Date of Treatment: 12-9-93

Well Name Monument Pad #14-12J  
Field Monument Butte County Dukes County State Utah  
SEC. 12 TOWN 9S RNG 16E

Formation/Perforations: Green River / 4097-4104, 4299-4309

Treatment type: SAND FRAC. W/ TRACER Total Number of Holes: 11

Volume*	Fluid	Conc.	Sand Characteristics		Volume
			Size		
	Gal.		F3)	BPM	
500	Gal. 15% HCL		2200	8.6	
5000	Gal. 2% KCL WATER	0		8	
	Gal.	1 #	2900	24.6	20/40 #
	Gal.	2 #	2890	25.9	20/40 #
	Gal.	3 #	2045	26.5	20/40 #
10300	Gal.	4 #	2760	26.5	20/40 #
	Gal.	5 #	1720	35.9	20/40 #
	Gal.	6 #	2620	28.0	20/4 #
	Gal.	7 #	2615	29.5	20/40 #
3904	Gal.	0	2350	29.9	
			2300	30.6	
			2470	3.4	

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid fluid  
gal. 2% KCL WATER fluid

TOTAL SAND VOL.: 41300 lbs. 20/40 sand  
lbs. 1 sand  
lbs. 1 sand  
lbs. 1 bauxite

Flushed well with gal. of 2% KCL WATER  
ball sealers were pumped. Was ball action seen? BLTR.

Avg. Treating Pressure = \_\_\_\_\_ psi, max = \_\_\_\_\_ psi, min = \_\_\_\_\_ psi.  
Avg. Treating Rate = \_\_\_\_\_ bpm, max = \_\_\_\_\_ bpm, min = \_\_\_\_\_ bpm.  
ISIP = 1606 psi, 5 min. = \_\_\_\_\_ psi, 10 min. = \_\_\_\_\_ psi, 15 min. = \_\_\_\_\_ psi.  
Well will be shut in for 15 hrs. before bringing back fluid.

REMARKS: BU PROTECNICS TO RUN TRACER W/ FRAC.  
SHUT DOWN IN PAD. HIGH PRESS. CALL FOR 500 GAL. 15% HCL



EQUITABLE **RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
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FAX: (406) 245-1365   
FAX: (406) 245-1361

December 8, 1993

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

Gentlemen:

RE: Balcron Monument Federal #14-12J  
SW SW Section 12, T9S, R16E  
Duchesne County, Utah

Enclosed is our sundry notice reporting a change to a completion rig for this well.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining

DEC 10 1993  
DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

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)

SW SW Section 12, T9S, R16E

660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-035521-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #14-12J

9. API Well No.

43-013-31411

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, Utah

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

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

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

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

Operator will be using a completion rig to complete this well.

DEC 10 1993

DIVISION OF  
OIL, GAS & MINING

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

Signed

*Bobbie Schuman*

Title

Coordinator of Environmental  
and Regulatory Affairs

Date 12/8/93

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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

\*See Instruction on Reverse Side

BALCRON MONUMENT FEDERAL #24-12J Operator: EREC/Balcron  
BOD WI: 79.78%  
Location: SE SW Section 12, T9S, R16E  
Duchesne County, Utah  
Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

No report at report time.

BALCRON MONUMENT FEDERAL #14-12J Operator: EREC/Balcron  
BOD WI: 79.78%  
Location: SW SW Section 12, T9S, R16E  
Duchesne County, Utah  
Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

No report at report time.

BALCRON MONUMENT FEDERAL #31-7J Operator: EREC/Balcron  
BOD WI: 79.78%  
Location: NW NE Section 7, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit/Monument Butte Field

---TIGHT HOLE---

No report at report time.

**BALCRON MONUMENT FEDERAL #14-12J**

**Operator: EREC/Balcron**  
**BOD WI: 79.78%**  
**Location: SW SW Section 12, T9S, R16E**  
**Duchesne County, Utah**  
**Prospect: Jonah Unit/Monument Butte**

**---TIGHT HOLE---**

**12-10-93 Completion**  
CP - 1450 psi. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 2-7/8" tbg. Tag sand @ 4120' KB, circ down to 4373' KB (BP). Circ hole clean, set packer @ 4032' KB. Made 18 swab runs, fluid level stable @ 1700' while swabbing, no sand on last 3 swab runs. Recovered 108 BF, 5% oil, 95% wtr. Circ hole clean to BP, circ w/93 BW. Release BP, POOH to 4090' KB, circ well clean w/69 BW. TOOH w/139 jts 2-7/8" tbg, SN, 5-1/2" HD packer, 1 jt 2-7/8" tbg, retrieving head & 5-1/2" RBP. RU Cutter Wireline to run GR log for sand frac trace. RD Cutter. SWIFN.  
DC: \$12,077

**12-11-93 Completion**  
CP - 15 psi. TIH w/following:  

	<u>Length</u>	<u>Depth KB</u>
1 jt 2-7/8" tbg EUE, J-55 6.5#	31.35'	5150.12'
one 2-7/8" x 3' perf sub	3.20'	5118.77'
one seat nipple	1.10'	5115.57'
164 jts 2-7/8" tbg EUE J-55, 6.5#	5104.47'	5114.47'

  
ND BOP, NU wellhead, TIH w/production rod string. Pump #1023, 1 BHP, 2-1/2" x 1-1/2" x 16' RWAC w/PA Plunger (TRICO), 202 3/4" x 25' plain rods D-61 (TRICO), one 3/4" x 4' pony, one 1-1/4" x 22' Polish rods SM (TRICO). SWI.  
DC: \$1,725

**BALCRON MONUMENT FEDERAL #31-7J**

**Operator: EREC/Balcron**  
**BOD WI: 79.78%**  
**Location: NW NE Section 7, T9S, R17E**  
**Duchesne County, Utah**  
**Prospect: Jonah Unit/Monument Butte Field**

**---TIGHT HOLE---**

**12-10-93 Completion**  
CP - 650 psi, Bleed well down. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 163 jts 2-7/8" tbg. Tag sand @ 5088' KB, circ down to 5135' KB, set packer @ 4990' KB. Made 22 swab runs, recovered 70 BF, 21 BO, 49 BW. Release packer, circ sand out down to BP. Release BP, reset BP @ 4975' KB, BP did not hold on pressure test. Release BP & TOOH w/105 jts tbg. SWIFN.  
DC: \$2,051

**12-11-93 Completion**  
CP - 0; TP - 0. TOOH w/58 jts 2-7/8" tbg, SN, 5-1/2" HD packer, 1 jt 2-7/8" tbg retrieving head & 5-1/2" RBP. TIH w/RBP, retrieving head, SN, & 161 jts 2-7/8" tbg, set BP @ 4980' KB, pressure test BP to 1000 psi - OK. TOOH w/tbg & retrieving head. SWIFD.  
DC: \$2,735

**12-13-93 Completion**  
RU Schlumberger to perf 4903'-10' (2 SPF). RD Schlumberger. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 156 jts 2-7/8" tbg, set packer @ 4867' KB. RU Western to do KCL break down refer to treatment report. TOOH w/tbg & packer. SWIFD.  
DC: \$6,543

**BALCRON MONUMENT FEDERAL #14-121**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

Prospect: Jonah Unit/Monument Butte

12-18-93 Completion

Start well pumping 86" stroke, 5 SPM. Pumping Unit: Lufkin -  
LM228-D-213-86E, S/N B129-374A525029 (Lufkin Texas). Engine: Ajax  
E-42, S/N 24227 (Karst).

DC: \$28,587

**BALCRON MONUMENT FEDERAL #31-7J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NW NE Section 7, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

Prospect: Jonah Unit/Monument Butte Field

12-17-93 Completion

TIH w/76 3/4" x 25' plain rods, two 3/4" x 8' ponies, one 3/4" x 4'  
pony, & one 1-1/2" x 22' polish rod. Test tbg & pump to 1000 psi -OK. Clamp rod off. RDMO. Rod string configuration: oenBHP 2-  
1/2" x 1-1/2" x 16' RWAC w/PA plunger, pump #1026 (Trico), 204 rods  
3/4" x 25' plain D-61 (Trico), two pony rods 3/4" x 8', one pony  
rods 3/4" x 4', & one polish rods 1-1/4" x 22' SM (Trico).

DC: \$746

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

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

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

SW SW Section 12, T9S, R16E  
660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-035521-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #14-12J

9. API Well No.

43-013-31411

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, Utah

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

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

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

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

First production on this well was on 12-18-93 at 3:30 p.m.

DEC 23 1993

SECTION OF  
OIL, GAS & MINING

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

Signed

*Bobbie Schuman*

Title

Coordinator of Environmental and  
Regulatory Affairs

Date 12-20-93

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

5. Lease Designation and Serial No.

U-035521-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcranz Monument Federal #14-12J

9. API Well No.

43-013-31411

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Equitable Resources Energy Company, Palcron 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)  
SW SW Section 12, T9S, R16E 660' ESL, 660' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

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

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

Signed Bobbie Schuman

Title Coordinator Of Environmental and Regulatory Affairs

Date 1-17-94

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side

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

1. Well name and number: Balcron Monument Federal #14-12J  
API number: 43-013-31411
2. Well location: QQ SW SW section 12 township 9S range 16E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division  
Address: P.O. Box 12017 phone: (406) 259-7860  
Billings, MT 59104
4. Drilling contractor: Union Drilling  
Address: Drawer 40 phone: (304) 472-4610  
Buckhannon, WV 26201

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water encountered during drilling operations.	

6. Formation tops: See Geologic Report submitted separately.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

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

Name Bobbie Schuman Signature Bobbie Schuman  
Title Coordinator of Environmental and Date 1-17-94  
Regulatory Affairs

Comments:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-035521-A
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104      (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW SW Section 12, T9S, R16E      660' FSL, 660' FWL	8. Well Name and No. Balcron Monument Federal #14-12J
	9. API Well No. 43-013-31411
	10. Field and Pool, or Exploratory Area Monument Butte/ Green River
	11. County or Parish, State Duchesne County, Utah

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

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

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

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

Attached is our Site Security Diagram for this well.

JAN 6 1994  
BUREAU OF LAND MANAGEMENT  
BILLINGS, MONTANA

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 1-17-94

(This space for Federal or State office use)

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

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

\*See Instruction on Reverse Side

# Equitable Resources Energy Company Balcron Monument Federal 14-12J Production Facility Diagram

Balcron Monument Federal 14-12J  
SW SW Sec. 12, T9S, R16E  
Duchesne County, Utah  
Federal Lease #U-035521-A  
660' FSL, 660' FWL

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN
VALVE #8	CLOSED	CLOSED

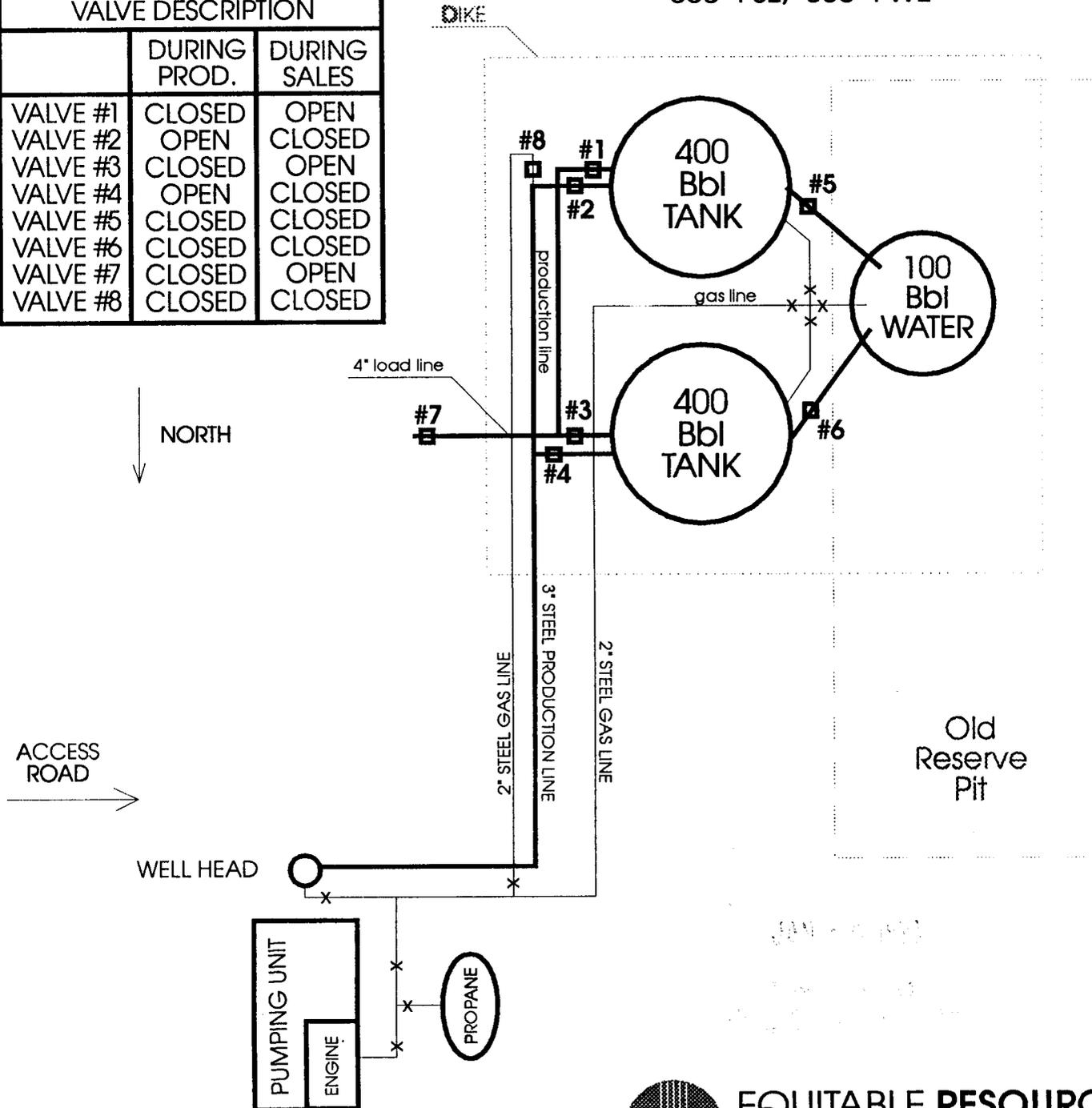


DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

Budget Estimate No. 1004-043/  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. SERV.  Other \_\_\_\_\_

**CONFIDENTIAL**

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 660' FSL, 660' FWL  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
U-035521-A

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

7. UNIT AGREEMENT NAME  
Jonah Unit

8. FARM OR LEASE NAME  
Balcron Monument Federal

9. WELL NO.  
#14-12J

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

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA  
SW SW Section 12, T9S, R16E

14. PERMIT NO. 43-013-31411 DATE ISSUED 9-7-93

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUNDED 11-3-93 16. DATE T.D. REACHED 12-1-93 17. DATE COMPL. (Ready to prod.) 12-18-93 18. ELEVATIONS (OF, RKB, RT, OR, ETC.)\* 5487.5' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5750' 21. PLUG, BACK T.D., MD & TVD 5681.28' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY sfc - TD ROTARY TOOLS n/a CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4097' - 5078' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL - MSFL - LDT - CNL - GR CBL MWD LOG 12-3-93 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	279' KB	12-1/4"	150 sxs Class "G" + additives	n/a
5-1/2"	15.5#	5727.17'	7-7/8"	220 sxs Lead cement and 260 sxs 50-50 FOZ	n/a

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5150.12'	n/a

31. PERFORATION RECORD (Interval, size and number)

5070' - 78' (2 SPF)  
4097' - 4104' (5 holes)  
4299' - 4308' (6 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4097' - 4308'	41,300# 20/40 sand in 457 bbls 2% KCl water; 500 gallons 15% HCl
5070' - 5078'	20,000# 20/40 sand in 286 bbls 2% KCl water

33. PRODUCTION

DATE FIRST PRODUCTION 12-18-93 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	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-25-93	24	n/a	→	70	n/a	20	n/a

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	70	n/a	20	43

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

35. LIST OF ATTACHMENTS

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

SIGNED Sobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE 1-17-94

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

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

38. GEOLOGIC MARKERS

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

EQUITABLE RESOURCES Co.

43-013-31411

MONUMENT FED #14-12J  
SW/SW SEC 12 T9S R16E

1/20/94

*Ed Jay*

NORTH  
?

POW

SOIL PILE

1-130 BARREL OPEN TOP  
PIT TANK WHICH WILL BE  
INSTALLED WHEN P.T IS  
RECLAIMED!

PROPANE TANK



LUFKIN ROD  
PUMPING  
UNIT

WELL HEAD

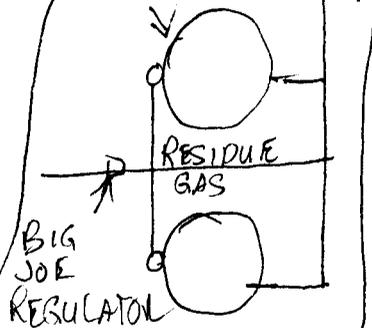
FLOWLINE

ENTRANCE

RESERVE  
PIT IS  
OPEN!

Balcrun  
MON FED  
#24-12J

2-400 PRODUCTION TANKS w/ BURNERS



BERMED AREA!

SOIL PILE

RECEIVED

JAN 27 1994

UTAH DIVISION OF OIL, GAS AND MINING  
EQUIPMENT INVENTORY

DIVISION OF  
OIL, GAS & MINING

Operator: EQUITABLE RESOURCES COMPANY Lease: State: \_\_\_\_\_ Federal: Y  
Indian: \_\_\_\_\_ Fee: \_\_\_\_\_

Well Name: MONUMENT FEDERAL #14-12J API Number: 43-013-31411  
Section: 12 Township: 9S Range: 16E County: DUCHESNE Field:  
MONUMENT BUTTES  
Well Status: POW Well Type: Oil: Y Gas: \_\_\_\_\_

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

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

PUMPS:  
\_\_\_\_\_ Triplex \_\_\_\_\_ Chemical \_\_\_\_\_ (1) Centrifugal

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

GAS EQUIPMENT:  
N Gas Meters N Purchase Meter N Sales Meter

TANKS:	NUMBER	SIZE
	<u>Y</u> Oil Storage Tank(s)	<u>2-400 BARREL OIL TANKS</u> BBLs
	<u>Y</u> Water Tank(s)	<u>1-130 BARREL PIT TANK</u> BBLs
	Power Water Tank	_____ BBLs
	Condensate Tank(s)	_____ BBLs
	<u>(1)</u> Propane Tank	_____ BBLs

REMARKS: RESERVE STILL OPEN. PIT TANK ON LOCATION BUT NOT YET INSTALLED.  
EQUIPMENT FIRED ON CASING HEAD GAS WITH PROPANE BACKUP. CENTRIFUGAL PUMP IS  
GLYCOL TRACE PUMP. VENTING SMALL AMOUNT OF GAS AT PIT.

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

Inspector: DENNIS INGRAM Date: 1/20/94

APPLICATION FOR INJECTION WELL - UIC FORM 1

AUG - 3 1994

11

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



Well name and number: Balcron Monument Federal #14-12J  
Field or Unit name: Monument Butte Field/Jonah Unit Lease no. U-035521-A  
Well location: QQ SW SW section 12 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . Yes  No   
Will the proposed well be used for: Enhanced Recovery? . . . Yes  No   
Disposal? . . . . . Yes  No   
Storage? . . . . . Yes  No   
Is this application for a new well to be drilled? . . . . . Yes  No   
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes  No   
Date of test: \_\_\_\_\_  
API number: 43-013- 31411

Proposed injection interval: from 5,070' to 5,078'  
Proposed maximum injection: rate 600 BWP pressure 2000 psig  
Proposed injection zone contains  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.

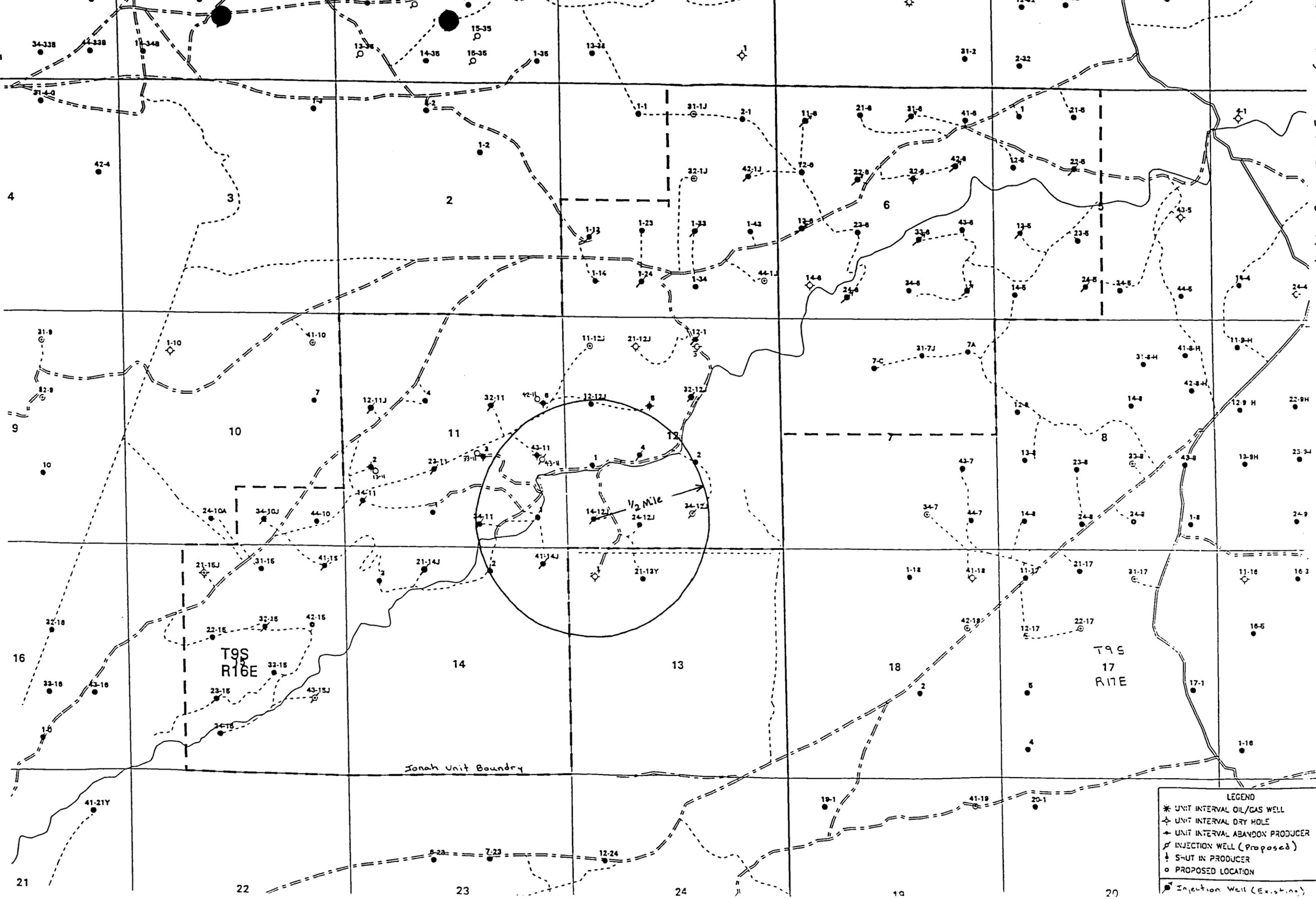
List of Attachments: UIC Permit Application

I certify that this report is true and complete to the best of my knowledge.  
Name Robbie Schuman Signature Robbie Schuman  
Title Regulatory and Environmental Specialist Date August 2, 1994  
Phone No. (406) 259-7860

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

Comments:

Figure-11  
 1/2-Mile Radius Review Area - BMF # 14-12J



LEGEND	
⊛	UNIT INTERVAL OIL/GAS WELL
⊕	UNIT INTERVAL DRY HOLE
⊖	UNIT INTERVAL ABANDON PRODUCER
⊗	INJECTION WELL (Proposed)
⊥	SHUT IN PRODUCER
○	PROPOSED LOCATION
●	Injection Well (Existing)

INJECTION PERMIT TRACKING RECORD

Company: Equitable Well: 14-2J

Location: Sec. 12 Twn: 9S Rng: 16E QtQt: SWSW

County: Dick Field: M.B. Unit: Leach

API No.: 43-013-31411

Date Received: 8/3/94

Cause Number: \_\_\_\_\_

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

Conversion Approval: \_\_\_\_\_

Permit Issued: \_\_\_\_\_

Commencement: \_\_\_\_\_

Drilled: Y

Code: E

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

Wells In AOR: \_\_\_\_\_



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 1, 1994

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-152

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

Sincerely,

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

Lisa D. Clement  
Administrative Secretary

Enclosure  
WOI168



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
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September 1, 1994

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

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Lisa D. Clement  
Administrative Secretary

Enclosure  
WOI168



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

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF EQUITABLE RESOURCES ENERGY	:	
COMPANY FOR ADMINISTRATIVE	:	CAUSE NO. UIC-152
APPROVAL TO CONVERT THE 44-1J, 34-10J,	:	
34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J,	:	
14-12J, 32-12J, C & O GOVERNMENT #4,	:	
21-14J, 41-14J, 23-15J, 32-15J, AND 41-15J WELLS,	:	
LOCATED IN SECTIONS 1, 10, 11, 12, 14, & 15,	:	
TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, TO CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

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

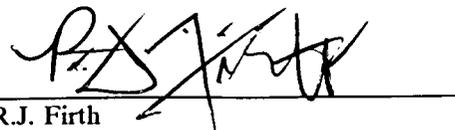
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells, located in Sections 1, 10, 11, 12, 14 & 15, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4590 - 5614 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

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

DATED this 1st day of September, 1994.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



R.J. Firth  
Associate Director, Oil and Gas

**Equitable Resources Energy Company  
44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J,  
C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells  
Cause No. UIC-152**

Publication Notices were sent to the following:

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

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

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

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



---

Lisa D. Clement  
Administrative Secretary  
September 1, 1994

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

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

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

See attached listing

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

See attached listing

9. API Well No.

See attached listing

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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

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

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

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

Operator intends to convert the wells on the attached listing to water injection in accordance with the attached injection well completion diagrams. Water will be injected at a rate of 5-6 STBWPD per foot of pay (average 180-200 STBWPD). The proposed conversion and water injection will commence as soon as Utah State UIC permits are approved.

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

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date 9-12-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

BALCRON MONUMENT FEDERAL #14-12J  
 Jonah Unit/Monument Butte Field  
 Lease No. U-035521-A  
 SW SW Section 12, T9S, R16E  
 Duchesne County, Utah

BALCRON OIL  
 7-6-94/ks

Proposed Injection Well Completion Diagram

158

Elev. Gr @ 5487'  
 Elev. KB @ 5497'

SURFACE CASING

8-5/8", J-55, 24 #  
 Length @ 271.17'  
 Hole size @ 12-1/4"  
 Depth landed @ 279' KB  
 Cemented w/150 sxs Class "G"  
 w/2% CCL & 1/4#/sx Floccle  
 Good returns, 4 BBLS cmt back to pit.

PRODUCTION CASING

5-1/2", 15.5#, K-55  
 Length @ 5718.17'  
 Hole size @ 7-7/8"  
 Depth landed @ 5727.17' KB  
 Cemented w/220 sxs lead cement & tail  
 w/260 sxs 50-50 POZ w/additives.  
 TOC Unknown - CBL Log run

TUBING

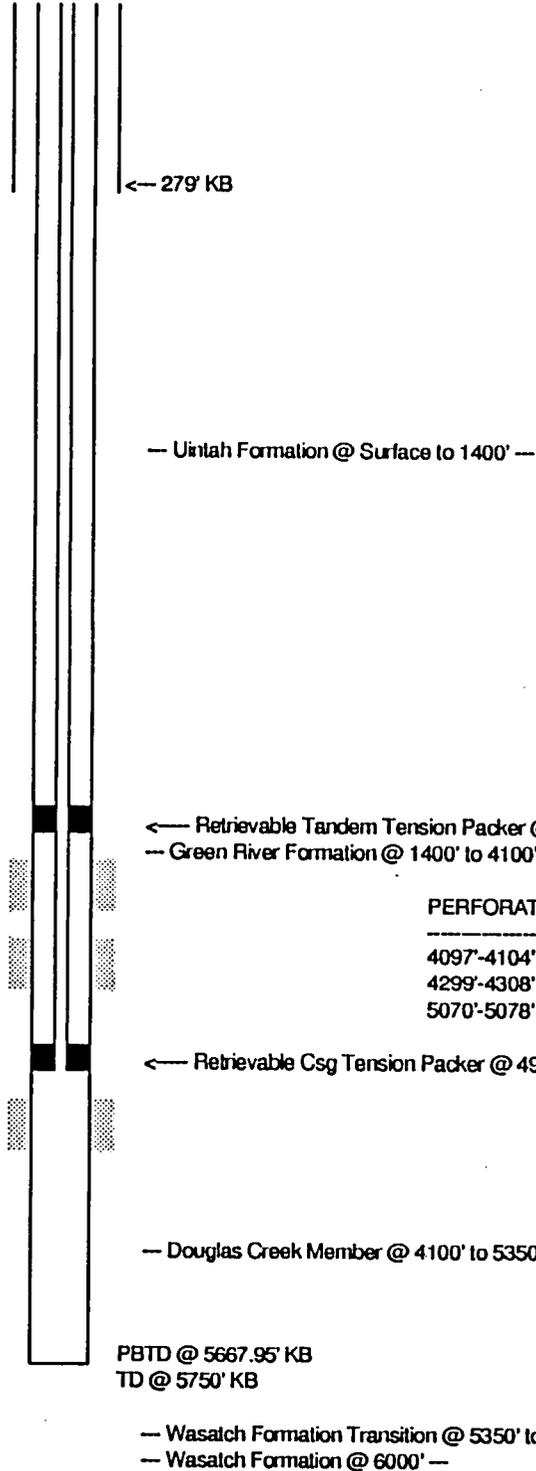
2-7/8", 6.5#, J-55  
 SN @ 2-7/8" x 1.1' (2.25" ID)  
 SN landed @ 4986' KB

Retrievable Csg Tension Packers:  
 Arrow S-1 Tandem Tension Landed @ 4020' KB  
 Arrow Set-1 Landed @ 4990' KB

Proposed Injection Horizons

5070'-5078' (8) (2 SPF) GREEN4

NOTE: The YELLOW3 and YELLOW5 zones will not be used for injection. These zones will be isolated by the packers.



PERFORATION RECORD

Interval	Holes	Zone
4097'-4104' (7')	(5 holes)	YELLOW3
4299'-4308' (9')	(6 holes)	YELLOW5
5070'-5078' (8')	(2 SPF)	GREEN4

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ZONE	LEASE NO.	API NUMBER	FOOTAGES	UNIT
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Jonah
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	Green River	U-017985	43-013-31416	592' FSL, 1979.2' FEL	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	Green River	U-035521	43-013-31419	1804.8' FNL, 2138.6' FEL	Jonah
C&O Gov't #4	Monument Butte	NE SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-30742	2140' FSL, 1820' FWL	Jonah
Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Jonah
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Jonah
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	Green River	U-096547	43-013-31421	517.8' FNL, 1850.2' FWL	Jonah
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31002	2126.9' FSL, 692.8' FEL	Jonah
Walton Federal #34-11	Monument Butte	SW SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31003	537' FSL, 2092' FEL	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	Green River	U-096550	43-013-31408	363.3' FNL, 600' FEL	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	Green River	U-096550	43-013-31410	738.6' FNL, 648.2' FWL	Jonah
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	Green River	U-44426	43-013-31415	859' FSL, 338' FEL	Jonah



EQUITABLE **RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

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

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

September 12, 1994

SEP 13 1994

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

*BALCRON MONUMENT Federal 14-12 J*  
*Sec 12 T9S R16E*  
*43-013-31411*

Gentlemen:

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

If you have any questions or need additional information, please let me know.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

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

143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX ID. # 87-0217663

Newspaper Agency Corporation  
The Salt Lake Tribune (NA) DESERET NEWS

CUSTOMER'S COPY

LEGAL ADVERTISING INVOICE

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	LE-5385340	09/13/94
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-152BEFOR FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-152  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT THE 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O GOVERNMENT #4, 21-14J, 41-14J, 23-15J, 32-15J, AND 41-15J WELLS, LOCATED IN SECTIONS 1, 10, 11, 12, 14, & 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, 61M., DUCHESNE COUNTY, UTAH, TO CLASS II INJECTION WELLS.

SEP 12 1994

*[Signature]*

94

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

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells, located in Sections 1, 10, 11, 12, 14, & 15, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II Injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4590 - 5614 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

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

DATED this 1st day of September, 1994.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
/s/ R.J. Firth, Associate Director, Oil and Gas

ACCOUNT NAME	TELEPHONE	
& MINING	801-538-5340	
SCHEDULE	AD NUMBER	
	98710280	
CAPTION	MISC. CHARGES	
NOTICE OF AGENCY ACTION CAUSE NO. UIC-152BEFOR	.00	
TIMES	RATE	AD CHARGE
1	1.64	160.72
TOTAL AMOUNT DUE		160.72

THANK YOU FOR USING LEGAL ADVERTISING.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE

ACCOUNT NUMBER	AD NUMBER	BILLING DATE	PAY THIS AMOUNT
LE-5385340	98710280	09/13/94	160.72

PLEASE REMIT TO:

NEWSPAPER AGENCY CORPORATION  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145-0838

MAKE CHECKS PAYABLE TO:  
NEWSPAPER AGENCY CORPORATION

DIV OF OIL, GAS & MINING  
355 WEST NORTH TEMPLE  
3 TRIAD CENTER #350  
SLC, UT 84180

COPY

PLEASE REMOVE THIS STUB

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

**PERMIT  
DECISION DOCUMENT**

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

**Wells:** Federal 34-10,12-11,14-11,23-11,32-11,34-11,43-11,  
C&O Govt. #4,12-12,14-12,32-12,21-14,41-14,23-15,32-15,  
41-15 and 44-1

**Ownership Issues:** The proposed wells are located in sections 1,10,11,12,14 and 15 township 9 south, range 16 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Balcron Oil has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

**Well Integrity:** The seventeen wells proposed for conversion to injection all have surface casing set at approximately 300 feet  $\pm$  30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 5800 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4590-5614 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 27 producing wells, 17 injection wells and 5 plugged and abandoned wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

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

**Oil/Gas & Other Mineral Resources Protection:** Balcron is the operator of the Jonah Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

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

**Actions Taken and Further Approvals Needed:** These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 15 day comment period if no objections are received it is recommended to issue both an approval to convert the wells and an injection permit. There are no special conditions or stipulations and the permit should be granted in accordance with the conditions set forth in the application.

DJJ  
Reviewers

09-30-94  
Date



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

**UNDERGROUND INJECTION CONTROL PERMIT**

**Cause No. UIC-152**

**Operator:** Equitable Resources Energy Company

**Wells:** Monument Butte Federal 34-10, 12-11, 14-11, 23-11,  
32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14,  
41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4

**Location:** Sections 1, 10, 11, 12, 14 and 15, Township 9 S,  
Range 16 E,  
Duchesne County

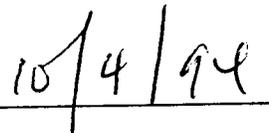
**Well Type:** Enhanced Recovery (waterflood)

**Stipulations of Permit Approval**

1. Approval for conversion to Injection Wells issued on October 4, 1994.
2. Maximum Allowable Injection Pressure: 2000 psig
3. Maximum Allowable Injection Rate: 600 bbls per day/well

Approved by:

  
\_\_\_\_\_  
R.J. Firth  
Associate Director, Oil and Gas

  
\_\_\_\_\_  
Date



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)

October 4, 1994

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

Re: Monument Butte Federal 34-10, 12-11, 14-11, 23-11, 32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14, 41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4 Wells Located in Sections 1, 10, 11, 12, 14 and 15, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

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

The following stipulations shall apply for compliance with this approval:

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

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

Sincerely,

R.J. Firth  
Associate Director

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



STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/18/94</u>	Well Owner/Operator: <u>BALCRAN</u>	
Disposal Well: _____	Enhanced Recovery Well: <u>X</u>	Other: _____
API No.: <u>43-013-31411</u>	Well Name/Number: <u>14-12J</u>	
Section: <u>12</u>	Township: <u>9S</u>	Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: SI Pressure: 0 psi  
Casing/Tubing Annulus - Pressure: 900 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>900</u>	<u>0</u>
5	<u>900</u>	<u>0</u>
10	<u>900</u>	<u>0</u>
15	<u>900</u>	<u>0</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psi  
Casing/Tubing Annulus Pressure: \_\_\_\_\_ psi

REMARKS:

Well Passed MIT

Operator Representative

[Signature]  
DOGMA Witness

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other WIW

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)

SW SW Section 12, T9S, R16E  
660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-035521-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #14-12J

9. API Well No.

43-013-31411

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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

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

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

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

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

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

Signed Robbie Schuman

Title Regulatory and Environmental Specialist

Date January 13, 1995

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

Balcron Monument Federal #14-12J  
Jonah Unit/Monument Butte Field  
Lease No. U-035521-A  
SW SW Section 12, T9S, R16E  
Duchesne County, Utah

WELL HISTORY REPORT

Date Work Description

---

Conversion of well to water injection.

- |          |   |
|----------|---|
| 10-8-94  | - MIRU Basin Well Service, TOOH w/rods,pump, & tbg.<br>- RIH w/bit & scrapper to TD.  |
| 10-9-94  | - RIH w/ 2 7/8" injection tbg, Arrow Set-1 packer, & Arrow Hydro Set-1 packer.<br>- Pump 55 gals Champion Cortron #23-83 corrosion inhibitor mixed w/ 60 STBW down csg.<br>- Set packers @ 4021' & 4988' KB, NU wellhead, pressure test csg annulus to 1000 psig.<br>no loss, RDMO. |
| 10-18-94 | Perform MIT, pressure csg annulus to 900 psig for 15 min., no loss, tbg @<br>zero psig, Utah OG&M witness Dan Jarvis.   |
| 10-28-94 | RU Alnigther Hot Oil Service, mix 5 gals Wsetern Claymaster & 10 gals 940 surfactant<br>w/ 130 STB 2% KCl water, pump down tbg @ 180 deg.F., 0.5 STBPM @ 1800 psig, start water<br>injection @ 75 STBPD.  |

Balcron Monument Federal #14-12J  
 SW SW Section 12, T9S, R16E  
 660' FSL & 660' FWL  
 Lease No. U-035521-A  
 Jonah Unit/Monument Butte Field  
 Duchesne County, Utah

BALCRON OIL  
 1-11-94 JZ

Injection Well Completion Diagram

Elev. Gr @ 5487'  
 Elev. KB @ 5497'

UTAH CAUSE NO.: UIC-152

SURFACE CASING

8-5/8", J-55, 24 #  
 Length @ 271.17'  
 Hole size @ 12-1/4"  
 Depth landed @ 279' KB  
 Cemented w/150 sxs Class "G"  
 w/2% CCL & 1/4#/sx Flocele  
 Good returns, 4 BBLS cmt back to pit.

PRODUCTION CASING

5-1/2", 15.5#, K-55  
 Length @ 5718.17'  
 Hole size @ 7-7/8"  
 Depth landed @ 5727.17' KB  
 Cemented w/220 sxs lead cement & tail  
 w/260 sxs 50-50 POZ w/additives.  
 TOC Unknown - CBL Log run

TUBING/INJECTION STRING

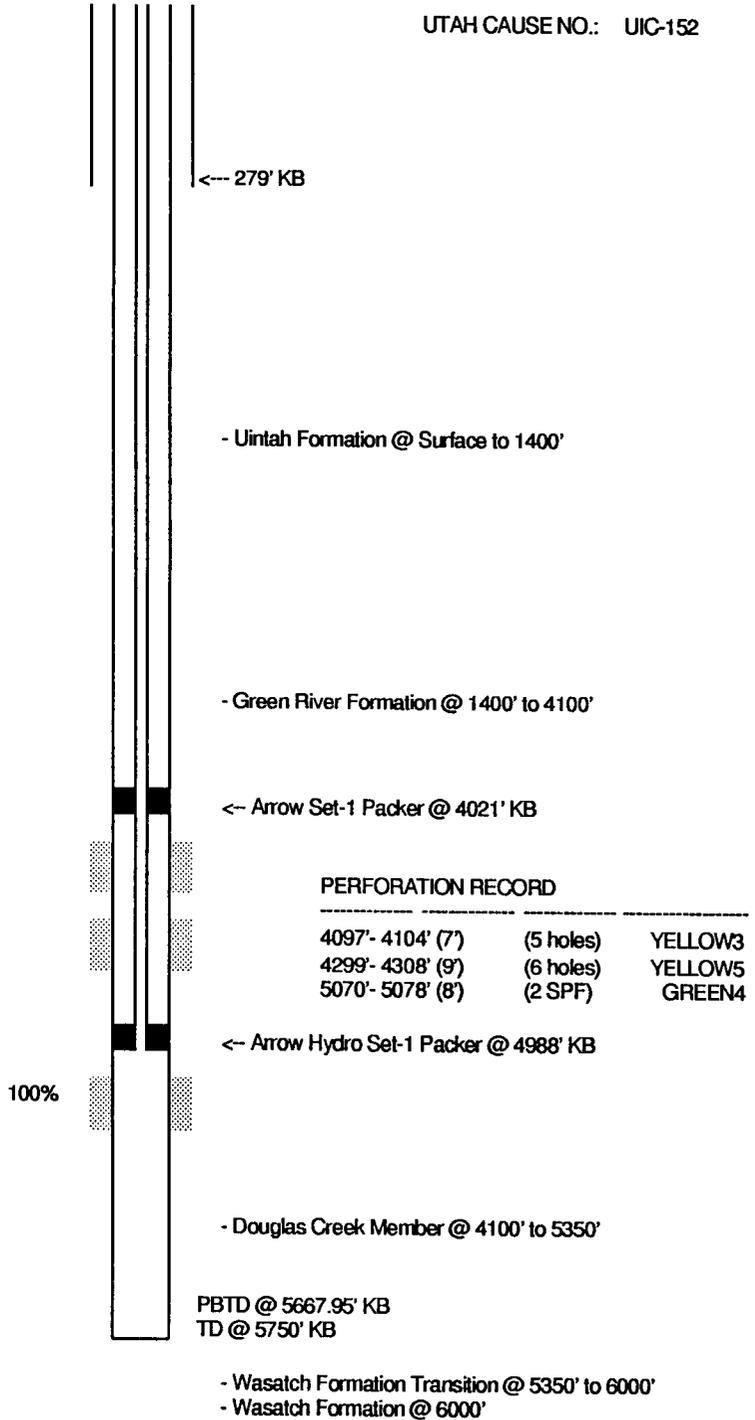
Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 129 jnts 2 7/8" tbg	4002.65	4012.65
2) 2 7/8" SN (2.25" ID)	1.12	4013.77
3) 2 7/8" x 2 3/8" X-Over	0.75	4014.52
4) 5.5" Arrow Set-1 Pkr	6.20	4020.72
5) 31 jnts 2 3/8" tbg	960.38	4981.10
6) 5.5" Hydro Set-1 Pkr	6.80	4987.90
7) 2 3/8" SN (1 25/32" ID)	1.10	4989.00
End of Tubing		4989.00

Injection Packers Set 10-14-94 By Mtn States.  
 Arrow Set-1 Pkr 5 1/2" x 2 3/8"  
 Arrow Hydro Set-1 Pkr 5 1/2" x 2 3/8"  
 2 7/8" SN (ID @ 2.25") & 2 3/8" SN (ID @ 1 25/32")  
 Arrow Set-1 Pkr set w/ 10" Tension.  
 Packer fluid - 55 gals Champion Cortron #23-83  
 w/60 STBW.

Injection Horizons

5070'- 5078' (8)	(2 SPF)	GREEN4
------------------	---------	--------

Tracer Survey ran 12-29-94.



← 279' KB

- Uintah Formation @ Surface to 1400'

- Green River Formation @ 1400' to 4100'

← Arrow Set-1 Packer @ 4021' KB

PERFORATION RECORD

4097'- 4104' (7')	(5 holes)	YELLOW3
4299'- 4308' (9')	(6 holes)	YELLOW5
5070'- 5078' (8')	(2 SPF)	GREEN4

← Arrow Hydro Set-1 Packer @ 4988' KB

- Douglas Creek Member @ 4100' to 5350'

PBTD @ 5667.95' KB  
 TD @ 5750' KB

- Wasatch Formation Transition @ 5350' to 6000'  
 - Wasatch Formation @ 6000'

**BALCRON OIL**

**WELL REPORT**

WELL NAME: Balcron Monument Federal #14-12J  
 FIELD: Jonah Unit/Monument Butte Field  
 FEDERAL LEASE NO.: U-035521-A  
 LOCATION: SW SW Section 12, T9S, R16E  
 660' FSL & 660' FWL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.805079506  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 12-18-93  
 INITIAL PRODUCTION: 70 STBOPD, 0 MSCFPD, 20 STBWPD  
 LAST PRODUCTION: 15 STBOPD, 30 MCFPD, 3 STBWPD  
 PRESENT PROD STATUS: Water Injection Well  
 Started Water injection 10-27-94  
 CONVERSION TO INJ.: 10-9-94  
 INJECTION RATE: 75 STBWPD  
 ELEVATIONS - GROUND: 5487'  
 TOTAL DEPTH: 5750' KB

DATE: 1-11-94 JZ  
 API NO.: 43-013-31411  
 UTAH CAUSE NO.: UIC-152  
 NET REVENUE INT.: 0.73831617 Oil  
 0.66359285 Gas  
 SPUD DATE: 11-3-93  
 OIL GRAVITY: 34 API  
 BHT: 143 Deg.F  
 LAST MIT DATE: 10-18-94  
 900 psig for 15 min., no loss.  
 KB: 5497' (10' KB)  
 PLUG BACK TD: 5667.95' KB

**SURFACE CASING**

STRING: 1  
 SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 271.17'  
 HOLE SIZE: 12-1/4"  
 DEPTH LANDED: 279' KB  
 CEMENT DATA: 150 sxs Class "G" w/2% CCL  
 & 1/4#/sx Flocele. Good  
 returns - Cmt back to pit.

**PRODUCTION CASING**

STRING: 1  
 SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5 #  
 LENGTH: 5718.17'  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5727.17' KB  
 CEMENT DATA: 220 sx lead cmt tailed w/260  
 sx 50/50 POZ w/10% salt, .3%  
 CFR3, .3% HALAD 344, .2% HR4,  
 2% gel.  
 CEMENT TOP AT: Unknown

**TUBING/INJECTION STRING**

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 129 jnts 2 7/8" tbg	4002.65	4012.65
2) 2 7/8" SN (2.25" ID)	1.12	4013.77
3) 2 7/8"x 2 3/8" X-Over	0.75	4014.52
4) 5.5" Arrow Set-1 Pkr	6.20	4020.72
5) 31 jnts 2 3/8" tbg	960.38	4981.10
6) 5.5" Hydro Set-1 Pkr	6.80	4987.90
7) 2 3/8" SN (1 25/32" ID)	1.10	4989.00
End of Tubing		4989.00

Injection Packers Set 10-14-94 By Mtn States.  
 Arrow Set-1 Pkr 5 1/2"x 2 3/8"  
 Arrow Hydro Set-1 Pkr 5 1/2"x 2 3/8"  
 2 7/8" SN (ID @ 2.25") & 2 3/8" SN (ID @ 1 25/32")  
 Arrow Set-1 Pkr set w/ 10" Tension.  
 Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

**Injection Horizons**

5070'- 5078' (8) GREEN4

LOGS: Compensated Neutron/Litho-Density Log;  
 Dual Laterolog Micro-SFL; Gamma Ray After-Frac Log; Cement Bond & Gamma-Ray Collar Log;  
 Mud Log.

**PERFORATION RECORD**

4097'- 4104' (7')	(5 holes)	YELLOW3
4299'- 4308' (9')	(6 holes)	YELLOW5
5070'- 5078' (8)	(2 SPF)	GREEN4

**BREAKDOWN/ACID JOBS**

5070'-5078' KB -	12-6-93: 1806 gals 2% KCL wtr; Avg press 1700 psi, max 3500 psi. Avg rate 4.1 BPM, max 6.8 BPM. ISIP 873 psi.
4097'-4308' KB -	12-9-93: 500 gals 15% HCL; Avg press 2200 psi, Avg rate 8.6 BPM

**FRAC JOBS**

5070'-5078' KB -	12-6-93: 20,000# 20/40 mesh sand w/ 12,012 gals 2% KCL wtr. No avg pressure or rate listed. (Screened Out). ISIP 2800 psi.
4097'-4308' KB -	12-9-93: 41,300# 20/40 mesh sand w/ 19,204 gals 2% KCL wtr; Avg pressure & rate unknown. ISIP 1606 psi.

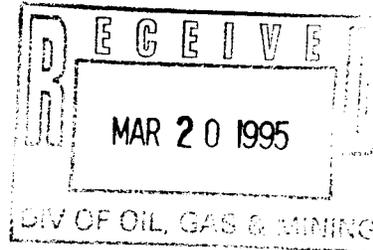


**EQUITABLE RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

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



March 16, 1995

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

Dear Mr. Jarvis:

Attached are copies of the injection profile reports for our enhanced recovery wells in the Jonah Unit.

If you have any questions, please call John Zellitti at (406) 259-7860.

Sincerely,

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Attachments

# EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION

## INJECTION PROFILE

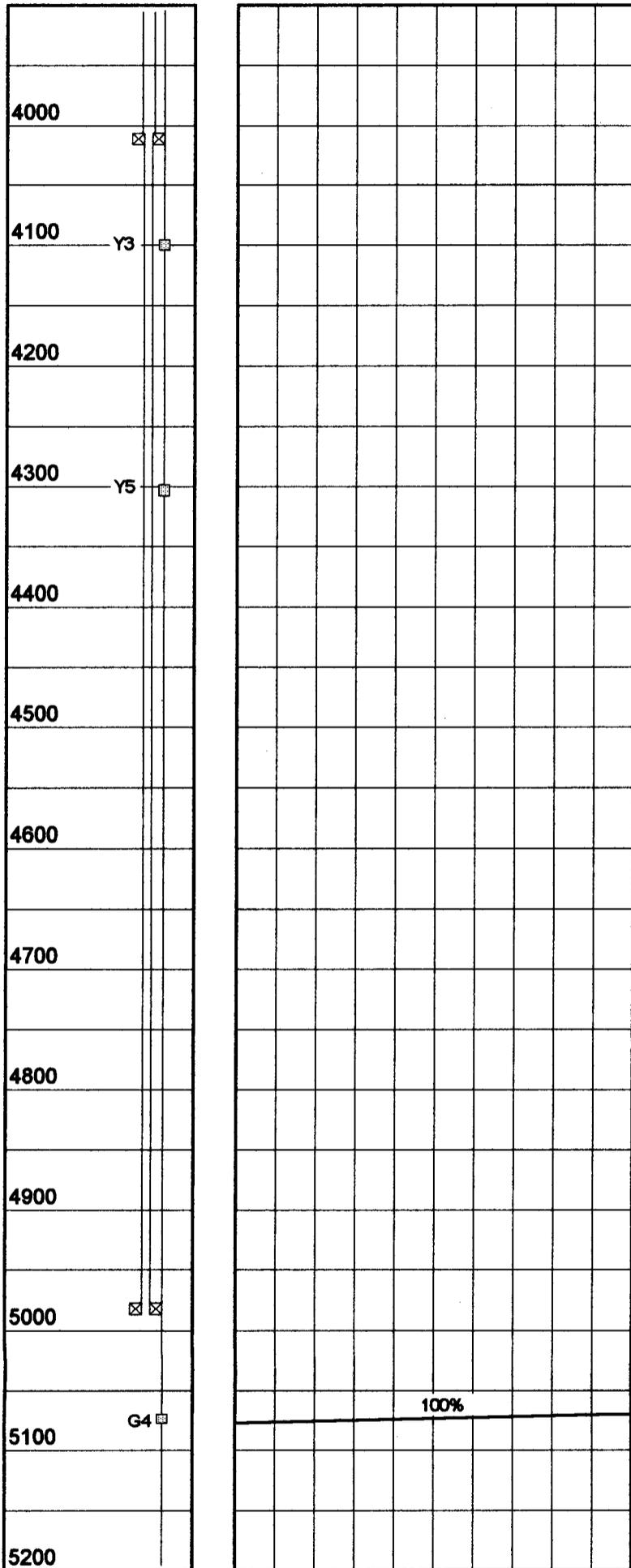
**BALCRON MONUMENT  
FEDERAL 14-12J**

Date: 12/29/94	Desired Rate: 75 B/D
Surface Temp: 43 F	Metered Rate: 75 B/D
BHT: 152 F	Measured Rate: 70 B/D
PBD: 5667	Tbg Pressure: 350 PSI
TD: 5629	Csg Pressure: 0 PSI

0 10 20 30 40 50 60 70 80 90 100

95-16E-12

43-113-31411



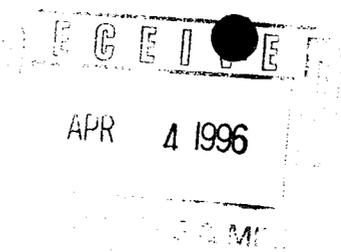
**Remarks: R/A Tracer survey indicates exits as shown. Packer checks okay.  
Service Company: Well Information Services, Inc.  
Operator: Bart Williams**



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102



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

April 1, 1996

Mr. Dan Jarvis  
Utah Division of Oil, Gas and Mining  
UIC Program  
355 West North Temple  
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

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

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

UTAH UIC PERMITS

Balcron Oil Monument Butte Jonah Unit Waterflood (new name)	
Formerly Monument Butte Area-A Waterflood Approved 12/22/92	
Area Permit No. UT2642-00000	
Allen Federal #22-6	UT2642-03729 (AREA PERMIT UT2642-00000)
Allen Federal #13-6	UT2642-03730 (AREA PERMIT UT2642-00000)
Allen Federal #31-6	UT2642-03731 (AREA PERMIT UT2642-00000) (State #UIC-142)
Allen Federal #1-6	UT2642-03732 (AREA PERMIT UT2642-00000)
Allen Federal #1A-5	UT2642-03733 (AREA PERMIT UT2642-00000)
	NOTE: Never converted to UIC - put back on production
Balcron Monument Fed. #11-6	UT2642-03734 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #24-6	UT2642-03735 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #33-6	UT2642-03736 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #42-6	UT2642-03737 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #13-5J	UT2642-04208 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #22-5J	UT2642-04209 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #24-5	UT2642-04210 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #31-7J	UT2642-04211 (AREA PERMIT UT2642-00000) (State #UIC-149)
Monument Butte #1-33	State #UIC-151
Monument Butte #1-24	State #UIC-151
Monument Butte #1-13	State #UIC-151
Balcron Monument Fed. #42-1J	State #UIC-151
Getty #12-1	State #UIC-151
Balcron Monument Fed. #41-15	State #UIC-152
Balcron Monument Fed. #32-15	State #UIC-152
Balcron Monument Fed. #23-15	State #UIC-152
Balcron Monument Fed. #41-14J	State #UIC-152
Balcron Monument Fed. #21-14J	State #UIC-152
Balcron Monument Fed. #32-12J	State #UIC-152
C & O Gov't #4	State #UIC-152
Balcron Monument Fed. #14-12J	State #UIC-152
Balcron Monument Fed. #12-12J	State #UIC-152
Balcron Monument Fed. #43-11J	State #UIC-152
Balcron Monument Fed. #32-11	State #UIC-152

**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  GAS  OTHER: See attached listing

8. Well Name and Number:  
See attached listing

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

9. API Well Number:  
See attached listing

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

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

4. Location of Well  
Footages: See attached listing

County: See attached list

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

State: UTAH

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

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

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

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

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

Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

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

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

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

UTAH

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



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

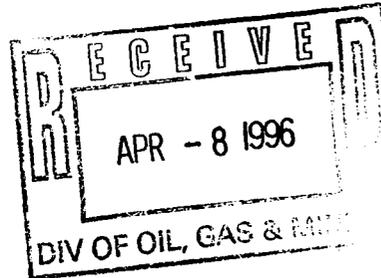
**BALCRON OIL DIVISION**

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



**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) Secco 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.
- 4/20/96
- DTJ 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*Sent to Ed Boucher - Trust Lands*

**FILMING**

- WDR 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  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	<del>16E</del>	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

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

4. Location of Well

Footages: See Attached Exhibit

County:

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

State:

RECEIVED  
OCT 13 1997

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

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

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

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

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

Date of work completion 9-30-97

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

\* Must be accompanied by a cement verification report.

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

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

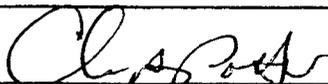
Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

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

OCT 16 1997

13.

Name & Signature:



**CHRIS A. POTTER, ATTORNEY-IN-FACT**

Date:

9/30/97

(This space for State use only)

Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

11426

11438

11431

RECEIVED  
OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED  
OCT 13 1997

Well name and number: See Attached **\*\*JONAH (GREEN RIVER) UNIT**  
Field or Unit name: See Attached API no. See Attached  
Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached  
Effective Date of Transfer: September 30, 1997

**CURRENT OPERATOR**  
Transfer approved by:  
Name David M. McCoskery Company Equitable Resources Energy Co.  
Signature [Signature] Address 1601 Lewis Avenue  
Title Director of Operations & Engineering Billings, MT 59102  
Date 9-30-97 Phone ( 406 ) 259-7860'  
Comments:

**NEW OPERATOR**  
Transfer approved by:  
Name Chris A Potter Company Inland Production Company  
Signature [Signature] Address 475 - 17th Street, Suite 1500  
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202  
Date 9-30-97 Phone ( 303 ) 292-0900  
Comments:

(State use only)  
Transfer approved by [Signature] Title Environ. Manager  
Approval Date 1-20-98 CAUSE # 228-2

OCT 23 1997  
DIV. OF OIL & GAS



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

**(406) 259-7860 Telephone**

**(406) 245-1361 Fax**

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

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

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

100-14-1998  
JAN 14 1998  
FEDERAL BUREAU OF SURVEY

IN REPLY REFER TO  
UT-931

January 13, 1998

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

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENER
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENER
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENER</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENER
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENER</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER

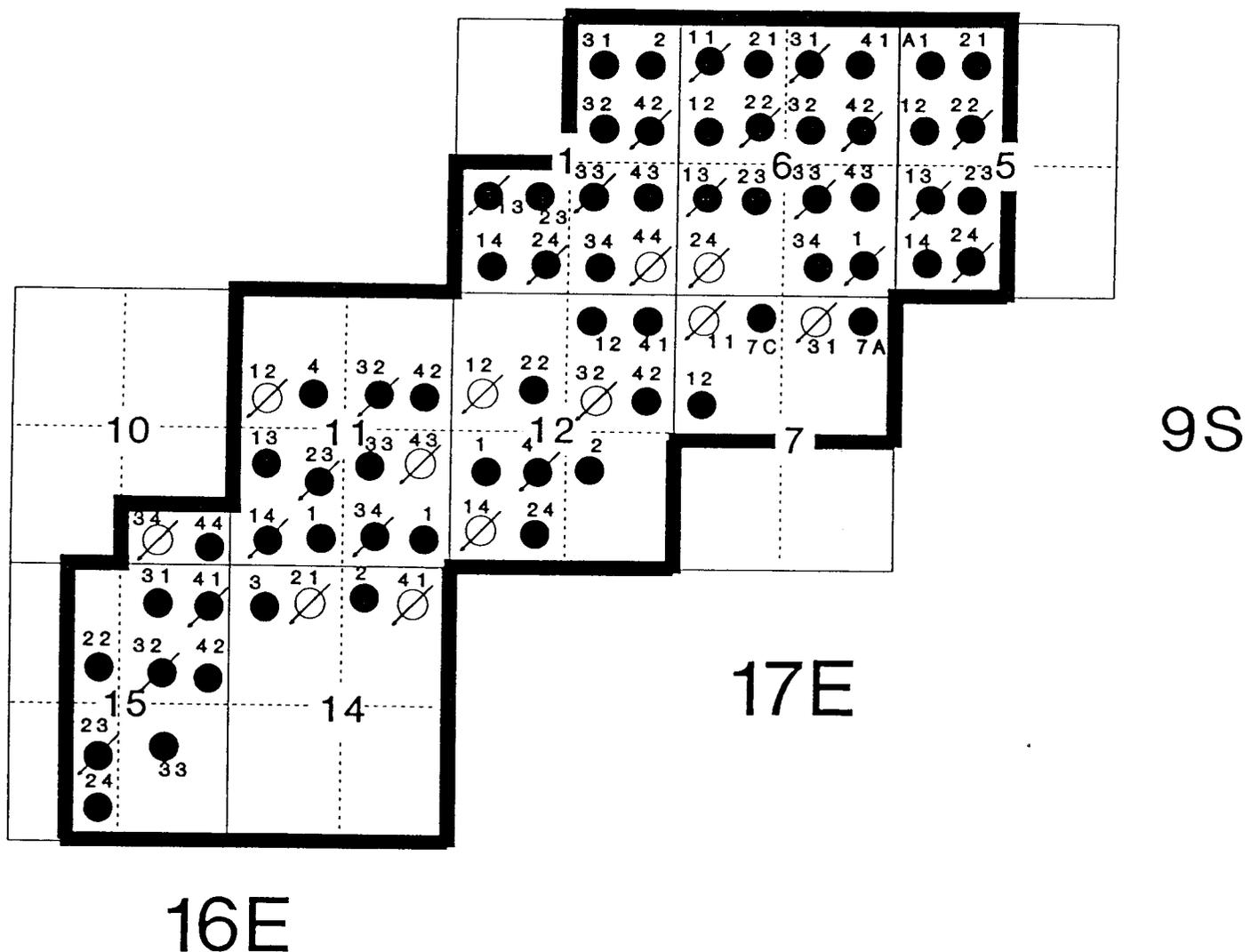
WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

# OPERATOR CHANGE WORKSHEET

Routing	
1-IEC ✓	6-STATE ✓
2-CLH ✓	7-KAS ✓
3-DTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-IBB ✓	

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</u>
Phone:	<u>(801)722-5103</u>	Phone:	<u>(406)628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

**WELL(S)** attach additional page if needed: **\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>42-013-31411</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

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

**ENTITY REVIEW**

- Y/uc 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (ER) 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/uc 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

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

**FILMING**

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

**FILING**

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

**COMMENTS**

980114 Btm/SY Aprv. eH. 1-13-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
COASTAL OIL	43-013-30337	G. HANSON #2	02S	03W	4	INJD	Y
COASTAL OIL	43-013-30038	2-23B4 LAKE	02S	04W	23	INJD	Y
COASTAL OIL	43-013-30371	L RUSSELL 2-	02S	04W	32	INJD	Y
COASTAL OIL	43-013-30391	EHRICH 2-11B	02S	05W	11	INJD	Y
COASTAL OIL	43-013-30340	LDS CHURCH #	02S	05W	27	INJD	Y
COASTAL OIL	43-047-31996	NBU 159	09S	21E	35	INJD	Y
COCHRANE RES	43-037-30815	3-23	38S	25E	23	INJW	N
COCHRANE RES	43-037-30690	1-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31145	4-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31761	WDW 1	38S	25E	25	INJD	N
COCHRANE RES	43-037-30762	3-26	38S	25E	26	INJW	N
CROSS CREEK	43-037-16269	SOUTH ISMAY	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	✓43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	✓43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	✓43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-035521-A</b>	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> INJECTOR		7. UNIT AGREEMENT NAME  <b>JONAH</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>MONUMENT FEDERAL 14-12J</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>MONUMENT FEDERAL 14-12J</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/SW 0660 FSL 0660 FWL</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA <b>SW/SW Section 12, T09S R16E</b>	
14. API NUMBER <b>43-013-31411</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5487 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>5-Year M.I.T.</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

A MIT was performed on the subject well to fulfill the 5 year requirement. Mr. Dennis Ingram of the State DOGM was notified of the intent to conduct an MIT on May 30, 2000. On June 1, 2000 the casing annulus was pressured to 1135 psi and lost to 1125 psi in 30 minutes. Mr. Ingram was able to witness and approved the test.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Jody Liddell</u>	TITLE <u>Production Foreman</u>	DATE <u>6/2/00</u>
----------------------------	---------------------------------	--------------------

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

COPY SENT TO OPERATOR  
Date: 6-6-00  
By: CHD

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

\* See Instruction 11, Revisions

Date: 6/6/00  
By: [Signature]

RECEIVED  
JUN 14 2000  
DIVISION OF OIL, GAS AND MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: Dennis Ingram Date 6/1/00 Time 10:15 am pm  
Test Conducted by: Ray Liddell  
Others Present: \_\_\_\_\_

Well: Monument Fed 14-122-9-11e Field: Monument Butte  
Well Location: SW/SW Sec 12-T95-R 11e E Duchesne Co, Utah API No: 43-013-31411

Time	Casing Pressure	
0 min	<u>1135</u>	psig
5	<u>1135</u>	psig
10	<u>1132</u>	psig
15	<u>1130</u>	psig
20	<u>1128</u>	psig
25	<u>1128</u>	psig
30 min	<u>1125</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

RECORDED  
INDEXED  
DIVISION OF  
OIL, GAS AND MINING

Tubing pressure: 2050 psig Injecting @ 23.49 BPD

Result: Pass Fail

Signature of Witness: Dennis Ingram  
Signature of Person Conducting Test: Ray Liddell



## INJECTION WELL - PRESSURE TEST

Well Name: <u>MON. FEDERAL 14-12 J</u>	API Number: <u>43-013-31411</u>		
Qtr/Qtr: <u>SW/SW</u>	Section: <u>12</u>	Township: <u>9S</u>	Range: <u>16E</u>
Company Name: <u>IMAND PRODUCTION COMPANY</u>			
Lease: State _____	Fee _____	Federal <u>U-035521A</u>	Indian _____
Inspector: <u>Renno J. Ingram</u>	Date: <u>06-01-00</u>		

## Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 2050 psiCasing/Tubing Annulus - Pressure: 1135 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1135 PSI</u>	<u>2050 PSI</u>
5	<u>1135</u>	<u>2050 "</u>
10	<u>1132</u>	<u>2050 "</u>
15	<u>1130</u>	<u>2050 "</u>
20	<u>1128</u>	<u>2050 "</u>
25	<u>1128</u>	<u>2050 "</u>
30	<u>1125</u>	<u>2050 "</u>

Results: Pass/Fail

## Conditions After Test:

Tubing Pressure: 2050 psiCasing/Tubing Annulus Pressure: 1125 psi

COMMENTS: TESTED FOR 5 YEAR Rule. Injecting @ 2349 BPD  
Barton Recorder Shows a 10 PSI Drop But Casing  
Gauge Did NOT

10:15 AM To 10:45 AM

Roy Lieble  
 Operator/Representative



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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>
<u>city Denver state Co zip 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>
<u>city Denver state Co zip 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. Stewart* Approval Date: 9-20-04  
 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:		<b>9/1/2004</b>
<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

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

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

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

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

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

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

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

**DATA ENTRY:**

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

**FEDERAL WELL(S) BOND VERIFICATION:**

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

**INDIAN WELL(S) BOND VERIFICATION:**

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

**FEE & STATE WELL(S) BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injection well		5. Lease Serial No. UTU035521A
2. Name of Operator Newfield Production Company		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. JONAH UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 0660 FSL 0660 FWL SW/SW Section 12 T9S R16E		8. Well Name and No. MON FED 14-12J
		9. API Well No. 4301331411
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	5 Year MIT
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 4/19/05 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 4/21/05. On 4/21/05 the csg was pressured up to 1225 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 2180 psig during the test. There was not a State representative available to witness the test. API# 43-013-31411.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 05-10-05  
By: *[Signature]*

5-12-05  
LHD

RECEIVED  
MAY 06 2005

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Kathy Chapman	Office Manager
Signature <i>Kathy Chapman</i>	Date 05/04/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 4/21/2005 Time 2:00 am  pm

Test Conducted by: J.D. Harrocks

Others Present: \_\_\_\_\_

Well: Monument Federal 14-12J-9-16

Field: Jonah unit

Well Location: SW/SW sec 12-T 916S-R16E

API No:

Time	Casing Pressure	
0 min	<u>1225</u>	psig
5	<u>1225</u>	psig
10	<u>1225</u>	psig
15	<u>1225</u>	psig
20	<u>1225</u>	psig
25	<u>1225</u>	psig
30 min	<u>1225</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2180 psig

Result:  Pass  Fail

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

Signature of Person Conducting Test: J.D. Harrocks



DAILY WORKOVER REPORT

WELL NAME: Monument Fed 14-12J-9-16

Report Date: 5/2/05

Day: 01

Operation: 5 Year MIT

Rig: \_\_\_\_\_

WELL STATUS

Surf Csg: \_\_\_\_\_ @ \_\_\_\_\_ Prod Csg: \_\_\_\_\_ @ \_\_\_\_\_ WT: \_\_\_\_\_ Csg PBTD: \_\_\_\_\_  
Tbg: \_\_\_\_\_ Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 21-Apr-05

SITP: 0 SICP: 0

On 4/19/05 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well (Monument Federal 14-12J-9-16). Permission was given at that time to perform the test on 4/21/05. On 4/21/05 the csg was pressured up to 1225 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 2180 psig during the test. There was not a State representative available to witness the test. API# 43-013-31411

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: \_\_\_\_\_ Starting oil rec to date: 0  
Fluid lost/recovered today: \_\_\_\_\_ Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: \_\_\_\_\_ Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

TUBING DETAIL

ROD DETAIL

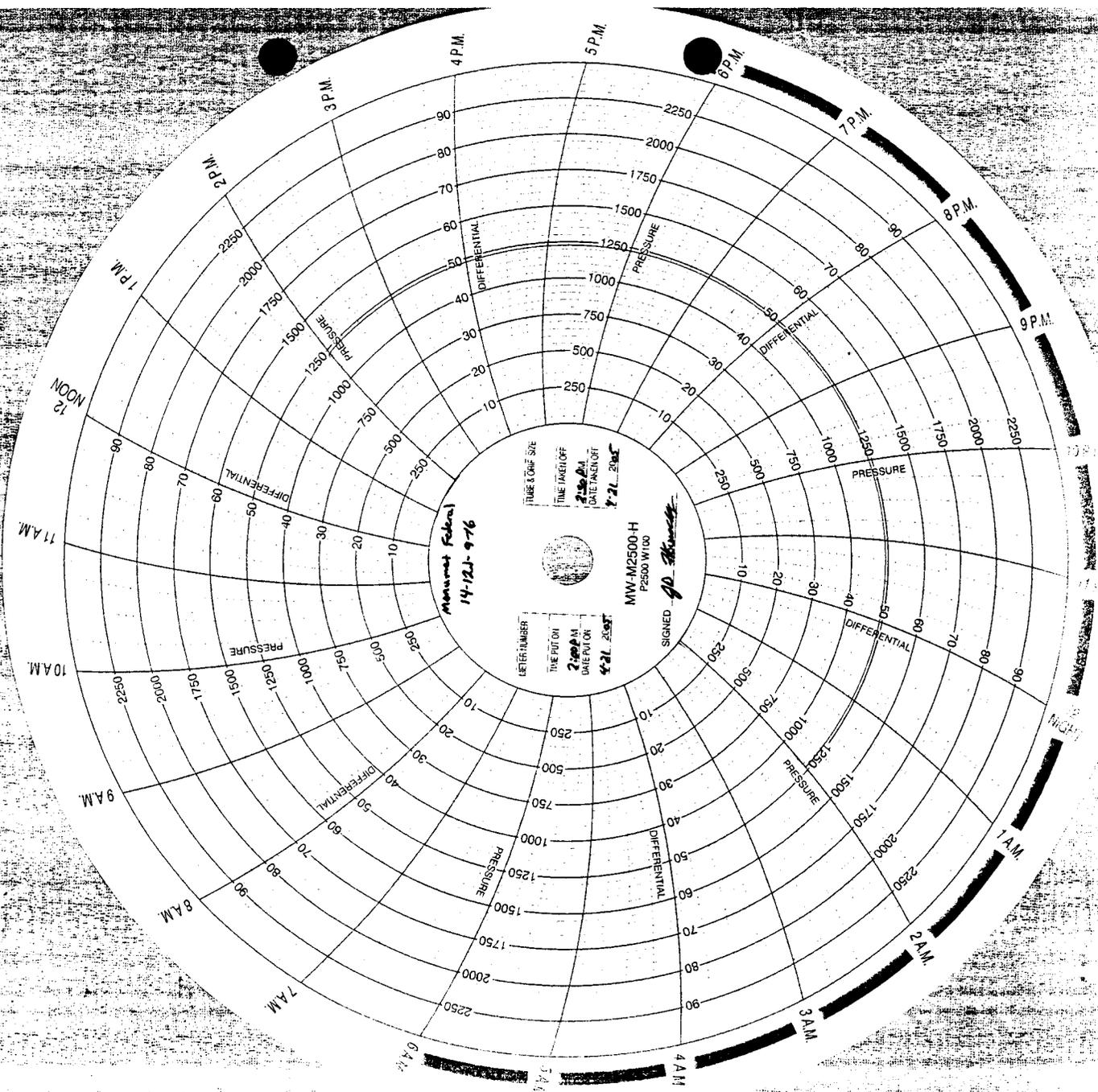
COSTS

_____	_____	NPC Supervision	\$300
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

DAILY COST: \$300

TOTAL WELL COST: \$300

Workover Supervisor: John Hyder



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-035521-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

8. WELL NAME and NUMBER:  
MON FED 14-12J

9. API NUMBER:  
4301331411

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

**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.

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 660 FSL 660 FWL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 12, T9S, R16E 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>04/08/2010</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: - 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 04/07/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 04/07/2010. On 04/08/2010 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1800 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31411

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

Date: 4-19-10  
By: [Signature]

COPY SENT TO OPERATOR

Date: 5.4.2010  
Initials: KS

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE [Signature] DATE 04/12/2010

(This space for State use only)

**RECEIVED**  
**APR 15 2010**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 4/8/10 Time 10:00 am pm  
Test Conducted by: Cole Harris  
Others Present: James Bird

Well: <u>Monument Federal 14-12J-9-16</u>	Field: <u>Monument Butte, Duchesne UT</u>
Well Location: <u>SW/34 Sec. 15, T9S, R16E</u>	API No: <u>43-013-31411</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1480</u>	psig
5	<u>1480</u>	psig
10	<u>1480</u>	psig
15	<u>1490</u>	psig
20	<u>1490</u>	psig
25	<u>1480</u>	psig
30 min	<u>1480</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1800 psig

Result: Pass Fail

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

Signature of Person Conducting Test: Cole Harris

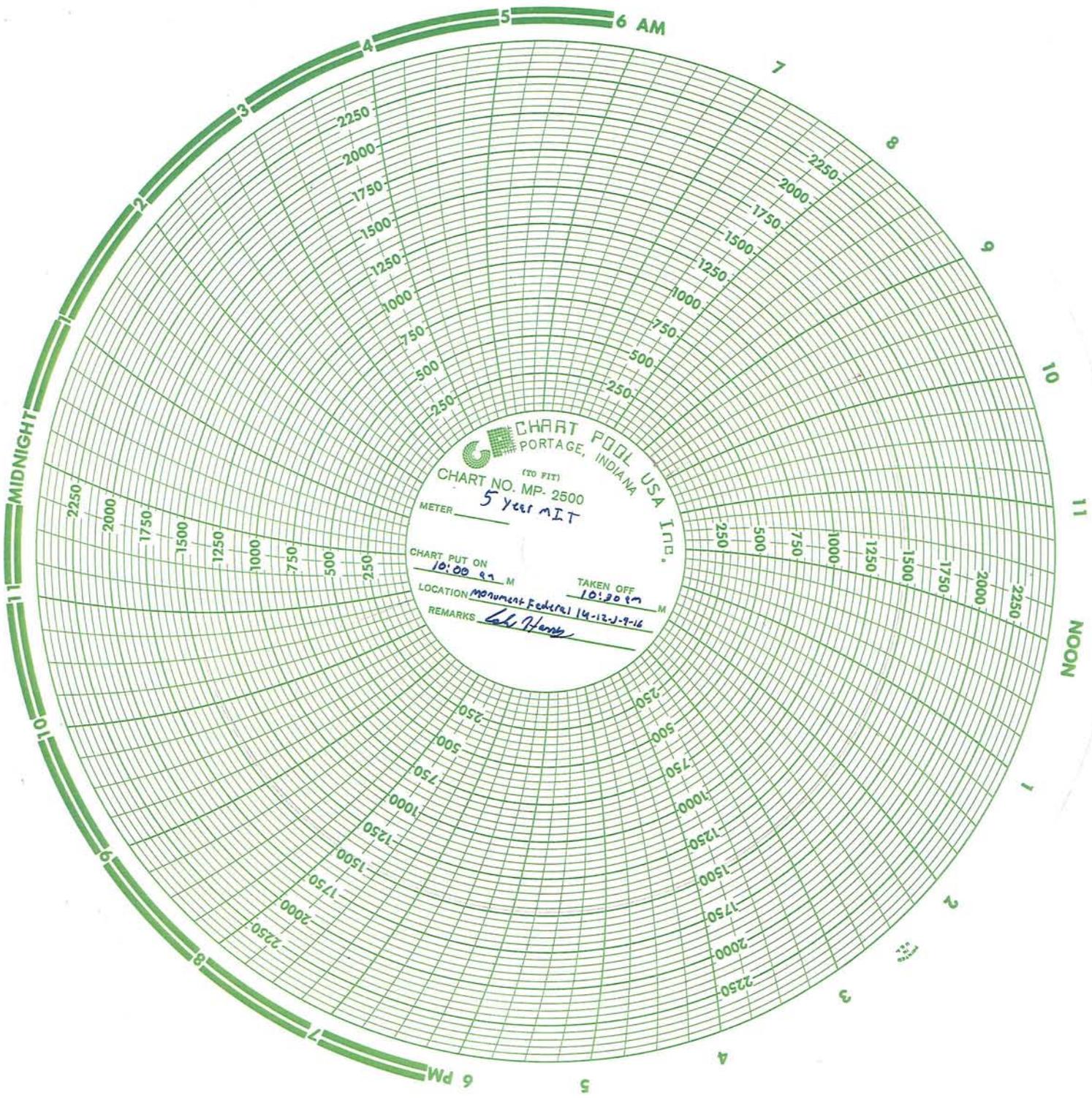


CHART POOL USA LTD.  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500  
METER 5 year MIT

CHART PUT ON 10:00 am M  
TAKEN OFF 10:30 am M  
LOCATION Monument Federal 14-12-1-16  
REMARKS Lab Harris

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Water Injection Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-035521A
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> MON FED 14-12J
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 12 Township: 09.0S Range: 16.0E Meridian: S	<b>9. API NUMBER:</b> 43013314110000
	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

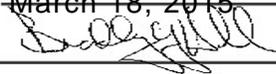
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/12/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text" value="5 YR MIT"/>

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

On 03/11/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 03/12/2015 the casing was pressured up to 1218 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1437 psig during the test. There was a State representative available to witness the test - Mark Jones.

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

Date: March 18, 2015

By: 

<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> 3/16/2015	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Mark L. Jones Date 3/12/15 Time 9:00  am  pm

Test Conducted by: Johnny Daniels

Others Present: \_\_\_\_\_

Well: <u>Balcon Mon. Fed. 14-12-9-10</u>	Field: <u>Monument Butte</u>
Well Location: <u>SW/SW Sec. 12, T9S, R10E</u> <u>Duchesne County</u>	API No: <u>43-013-31411</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1206</u>	psig
5	<u>1213</u>	psig
10	<u>1215</u>	psig
15	<u>1216</u>	psig
20	<u>1216</u>	psig
25	<u>1217</u>	psig
30 min	<u>1218</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

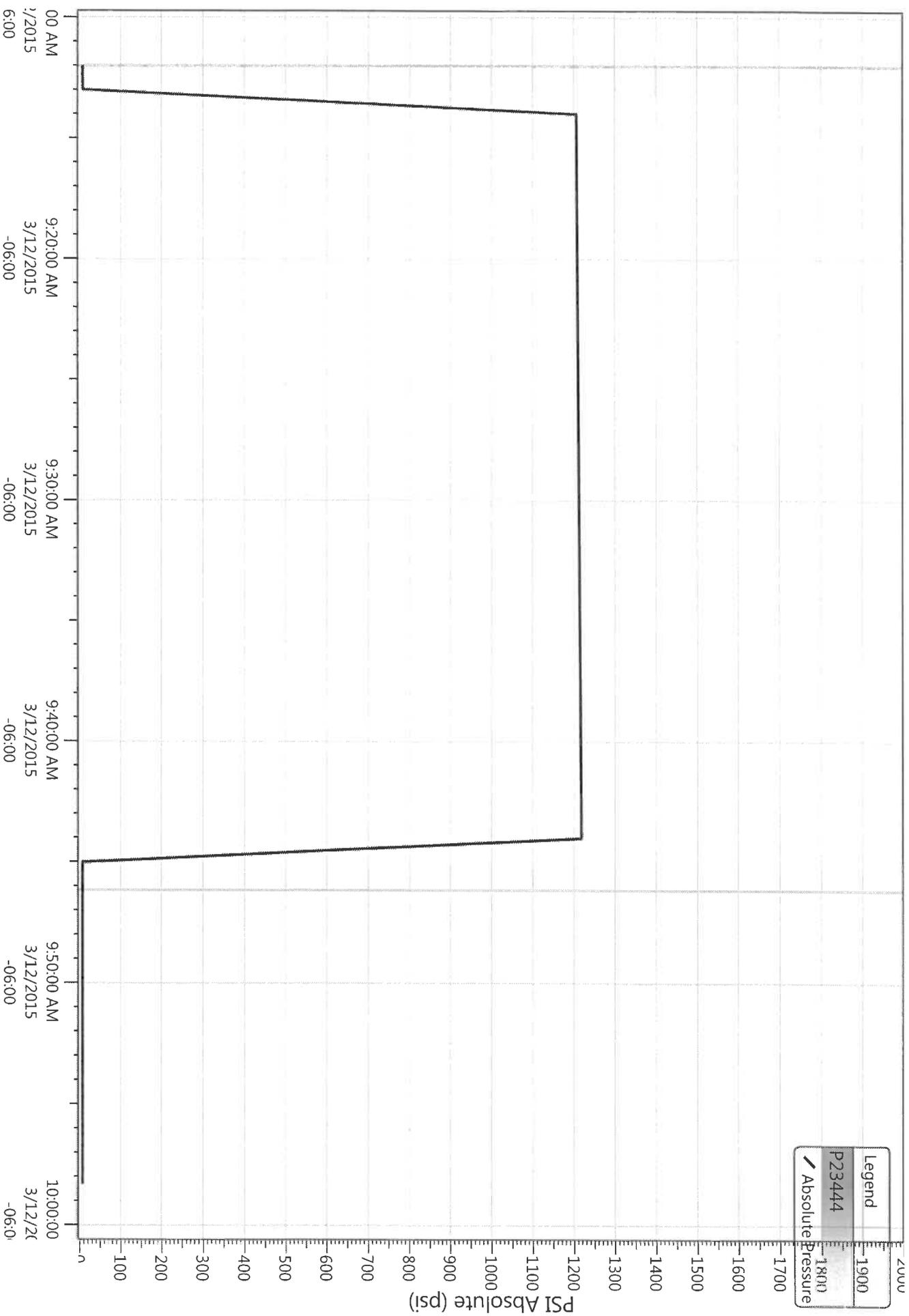
Tubing pressure: 1437 psig

Result: Pass Fail

Signature of Witness: Mark L. Jones (UDDGM)

Signature of Person Conducting Test: Johnny Daniels

Balconron monument Federal 14 12]-  
3/12/2015 9:11:45 AM



# Monument Fed. 14-12J-9-16

Spud Date: 11/03/93  
 Put on Production: 12/18/93  
 Put on Injection: 10/28/94  
 GL: 5487' KB: 5497'

Initial Production: 70 BOPD,  
 NM MCFD, 20 BWPD

Injection Wellbore  
 Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (271.17')  
 DEPTH LANDED: 279' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

## PRODUCTION CASING

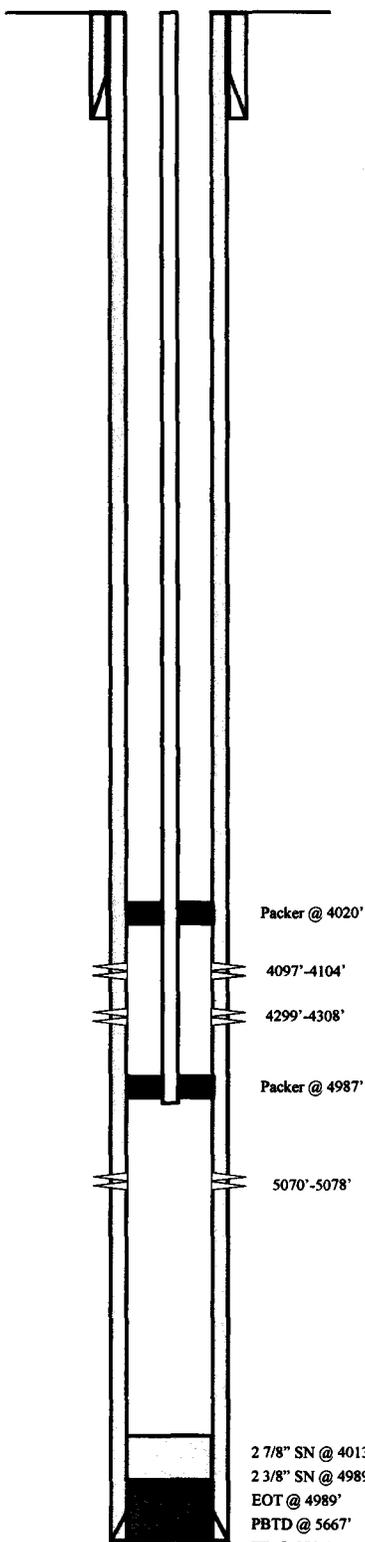
CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5718.17')  
 DEPTH LANDED: 5727.17'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 220 sxs Lead cement & 260 sxs 50/50 POZ.  
 CEMENT TOP AT: ? per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4002.65')  
 SEATING NIPPLE: 2-7/8" (1.12')  
 SN LANDED AT: 4013.77' KB  
 2 7/8" x 2 3/8" CROSSOVER: 4014.52' KB  
 PACKER: 4020.72' KB  
 SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.5#  
 NO. OF JOINTS: 31 jts (960.38')  
 PACKER: 4987.90' KB  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4989.00' KB  
 TOTAL STRING LENGTH: EOT @ 4989.00'

## FRAC JOB

12/06/93	5070'-5078'	<b>Frac zone as follows:</b> 25,446# 20/40 sand in 286 bbls 2% KCl. Treated @ avg press of 2341 psi w/avg rate of 17.4 BPM. ISIP 3578 psi. Calc. flush: 5070 gal. Actual flush: 5030 gal.
12/09/93	4097'-4308'	<b>Frac zone as follows:</b> 41,300# 20/40 sand in 457 bbls 2% KCl. Treated @ avg press of 2527 psi w/avg rate of 19 BPM. ISIP 1606 psi. Calc. flush: 4097 gal. Actual flush: 4050 gal.
04-08-10		<b>5YR MIT</b>



## PERFORATION RECORD

12/06/93	5070'-5078'	2 SPF	16 holes
12/08/93	4299'-4308'		06 holes
12/08/93	4097'-4104'		05 holes

### NEWFIELD

Monument Fed. #14-12j-9-16  
 660' FSL & 660' FWL  
 SWSW Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31411; Lease #U-035521-A