UTAH OIL AND GAS CONSERVATION COMMISSION

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

11-9-93 mud + CBL
Confidential Status Expired 1-9-95

DATE FILED	SEPTEMBER 1, 1993
LAND: FEE & PATENTED	STATE LEASE NO. ____ PUBLIC LEASE NO. U-096550 INDIAN
DRILLING APPROVED:	SEPTEMBER 7, 1993
SPUDDED IN:	10-31-93
COMPLETED:	12-9-93 POW PUT TO PRODUCING: 12-9-93
INITIAL PRODUCTION:	20 BOPD; 15 MCF; 10 BWPD
GRAVITY A.P.I.	43
GOR:	5
PRODUCING ZONES:	5029-5244 (GRRV)
TOTAL DEPTH:	5800'
WELL ELEVATION:	5543 GR
DATE ABANDONED:	
FIELD:	MONUMENT BUTTE/GREEN RIVER
UNIT:	JONAH UNIT
COUNTY:	DUCHESNE
WELL NO.	BALCRON MONUMENT FEDERAL #12-12J API NO. 43-013-31410
LOCATION	1980' FNL FT. FROM (N) (S) LINE, 660' FWL FT. FROM (E) (W) LINE. SW NW 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 [X]

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SEP 01 1993
DIVISION OF
OIL, GAS & MINING

August 30, 1993

-- 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

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 0 1 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.

~~Confidential~~
Confidential

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 1 1993

FORM 3

CONFIDENTIAL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.: Federal # U-096550

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.: #12-12J

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

11. QQ, Sec., T., R., M., or Blk. and Survey or Area: Sec. 12, T9S, R16E

12. County or Parrish: Duchesne

13. State: UTAH

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: Oil Well [X] 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 NW Section 12, T9S, R16E 1980' FNL, 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

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: ~~5,900'~~ 5,800'

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): 5,542.8' 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.

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DIVISION OF
OIL, GAS & MINING

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

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

Signed: Bobbie Schuman (Bobbie Schuman) Title: Coordinator of Environmental and Regulatory Affairs Date: August 30, 1993

(This space for Federal or State office use)

API NO. 43-013-31410 Approval Date: APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

Approved by: Title:

Conditions of approval, if any:

DATE: 9/7/93
BY: R. J. Matthews
Spacing: 649-2-3

*See Instructions On Reverse Side

(3/89)

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-096550

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.: #12-12J

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

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

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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 NW Section 12, T9S, R16E 1980' FNL, 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

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

16. NO. OF ACRES IN LEASE:

17. NO. OF ACRES ASSIGNED TO THIS WELL:

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

19. PROPOSED DEPTH: ~~6,000'~~ 5,800'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5,542.8' 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

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

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

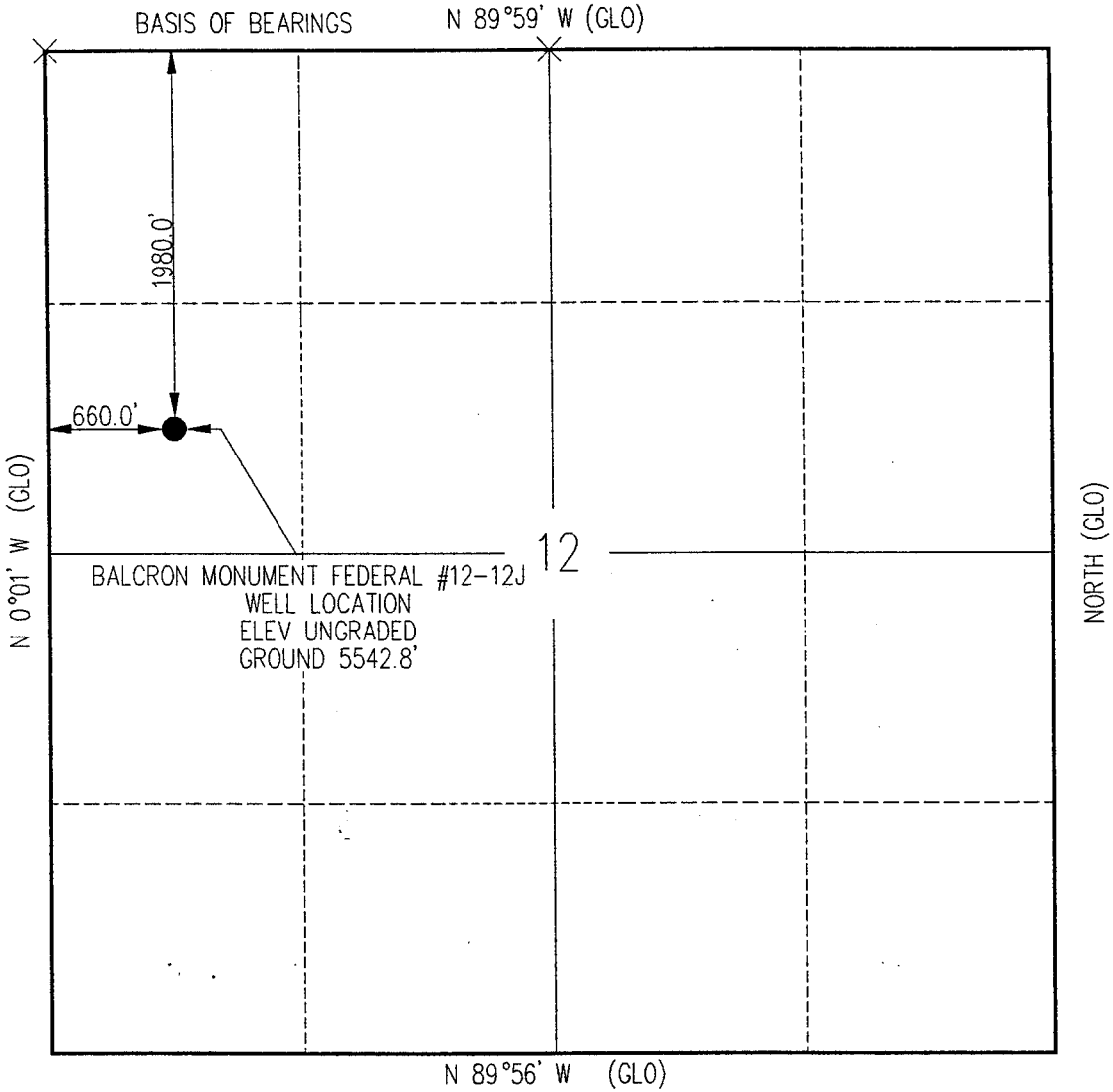
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

EXHIBIT "F"

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



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

EQUITABLE RESOURCES ENERGY CO.

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

N

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

REGISTERED LAND SURVEYOR NO. 3154 DALE STEWART STATE OF UTAH

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

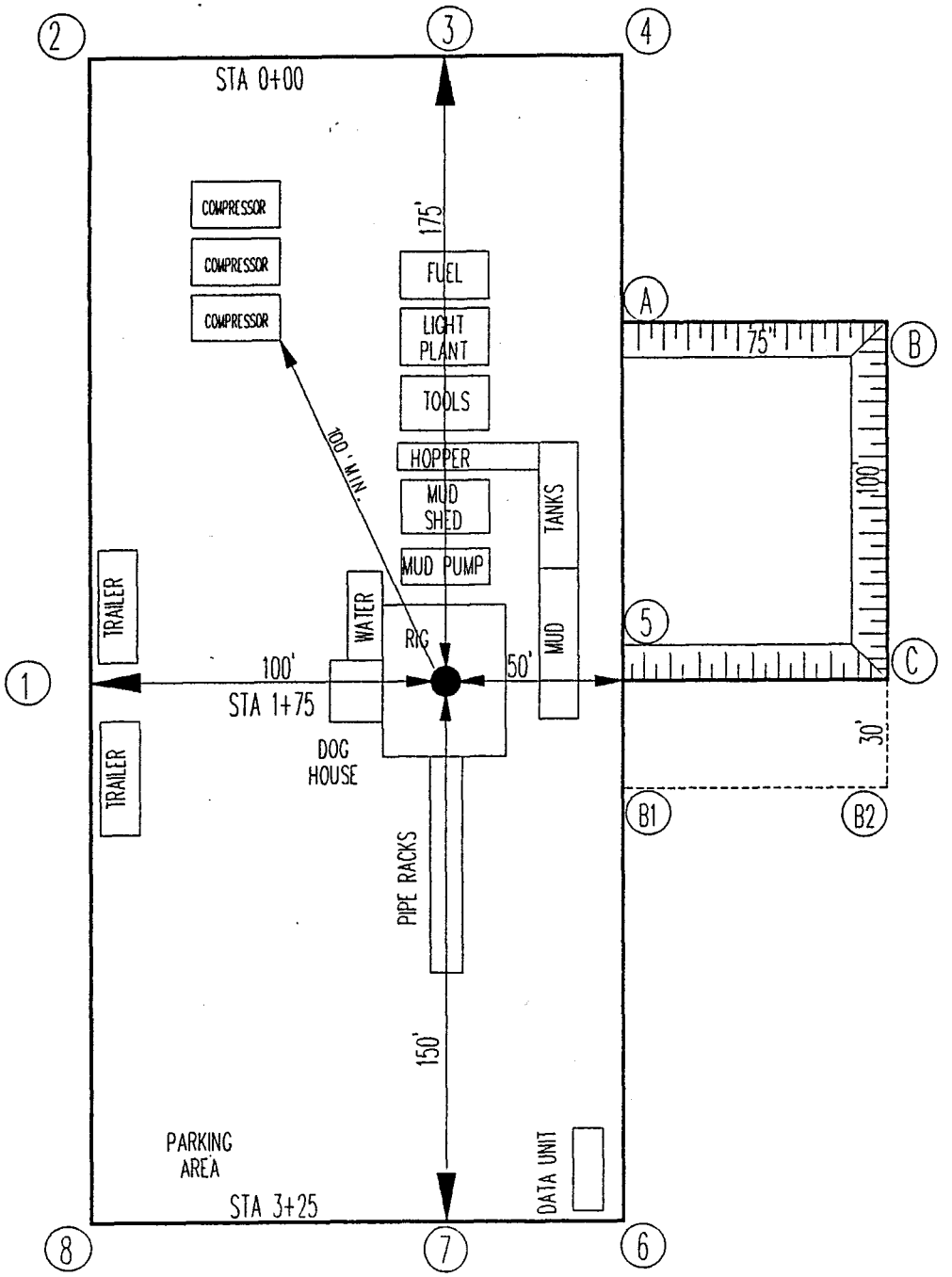
TRI-STATE LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

SEP 1 1993

EXHIBIT "G"

EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #12-12J
WELLSITE LAYOUT

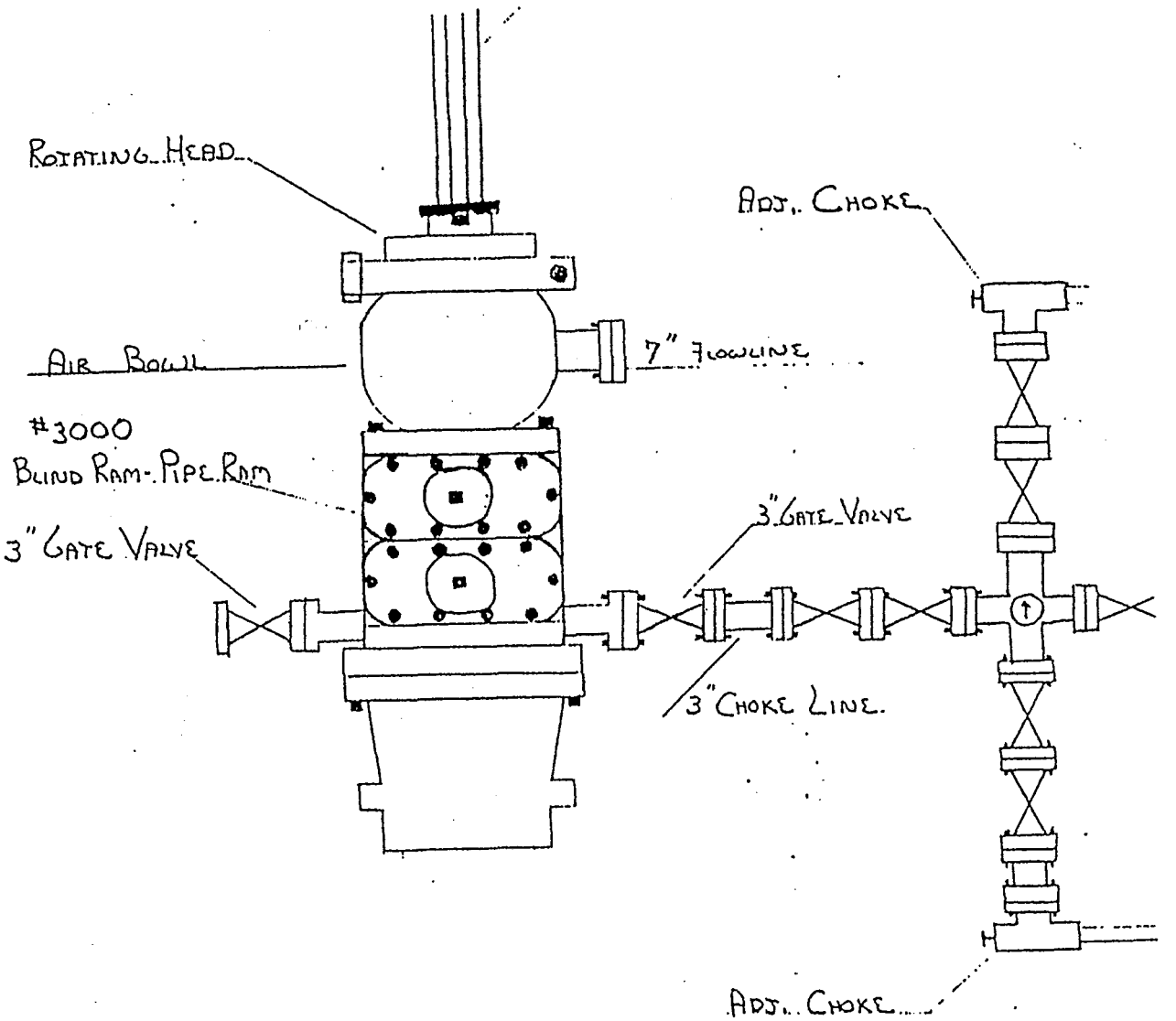


TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

1993

EXHIBIT H

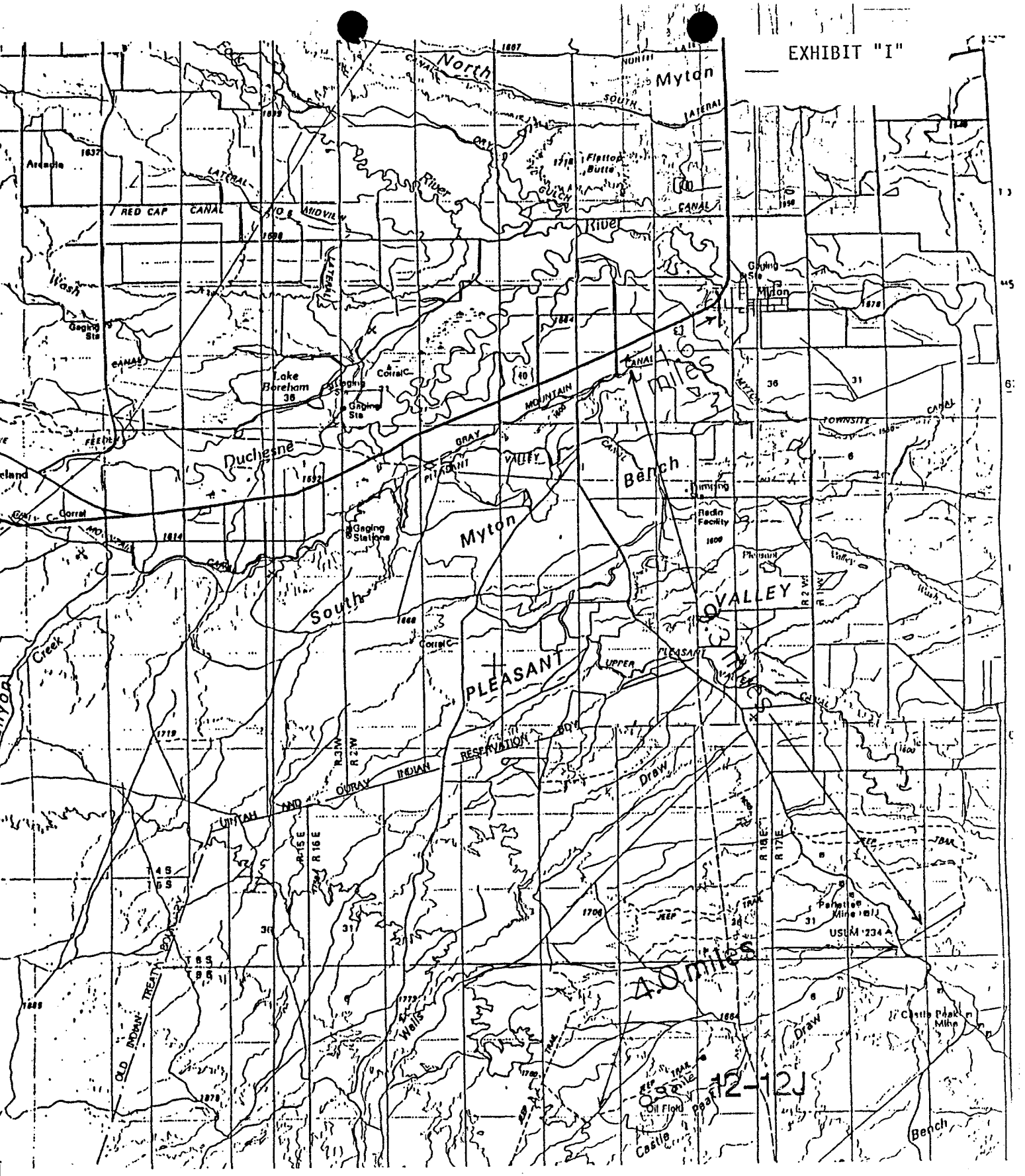
UNION DRILLING RIG #17



#3000 STACK

1993

EXHIBIT "I"



NORTH

SEP 1 1993

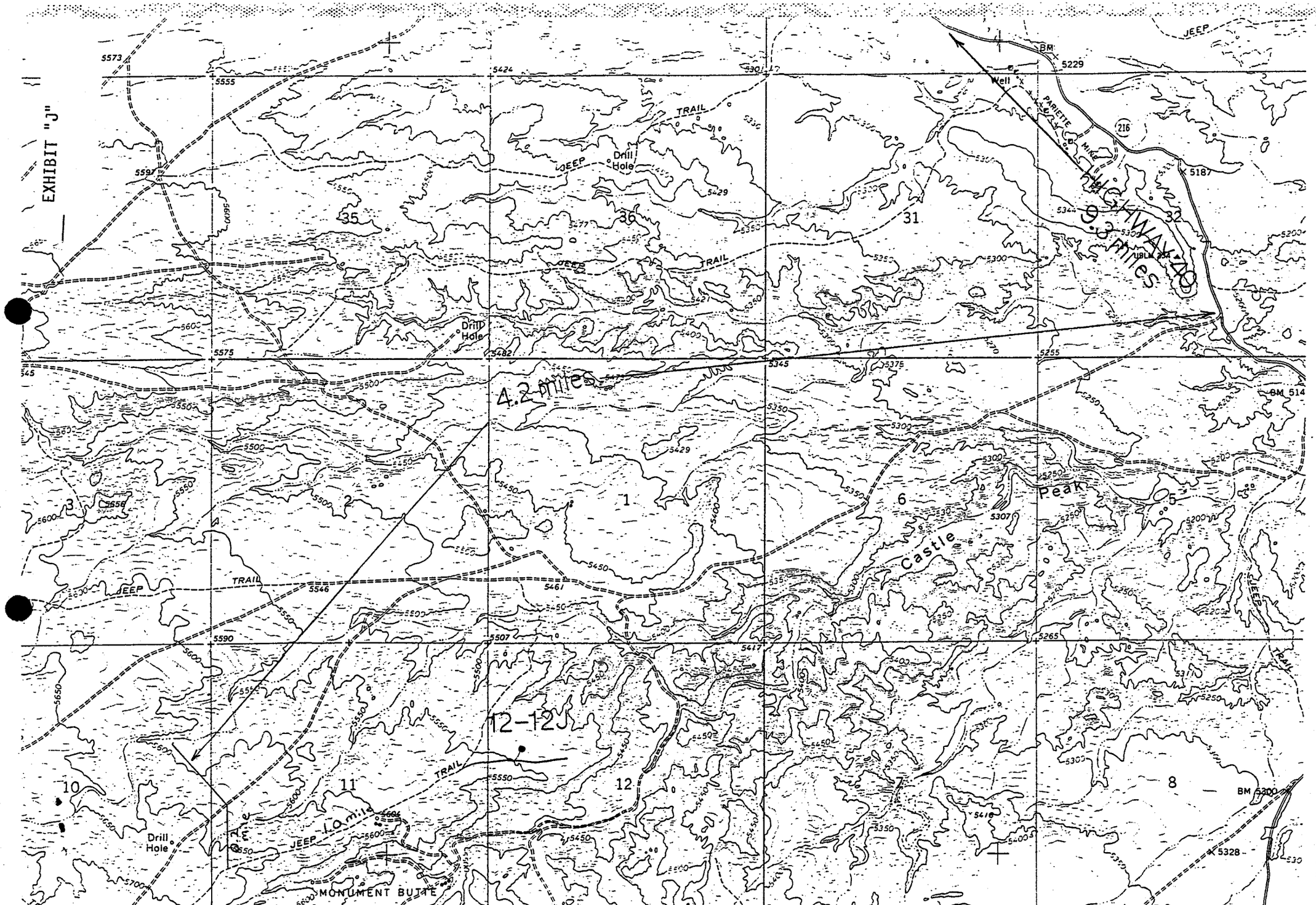
EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #12-12J

MAP "A"

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

EXHIBIT "J"



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

EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #12-12J

MAP "B"

NORTH

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #12-12J
SW NW 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.

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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.

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EXHIBIT "B"

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON FEDERAL #12-12J
SW NW 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. 150' & 200' North and 200' & 250' West.

B. The Federal #12-12J is located 13 miles Southwest of Myton Utah in the SW1/4 NW1/4 Section 12, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 12-12J, 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 4.0 miles to road intersection; turn left and proceed 0.2 miles to road intersection. Turn left and continue 0.9 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.

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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

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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

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

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

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

C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.

D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.

G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

A. Water to be used for the drilling of these wells will be

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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 will 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.

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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:

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A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles.

B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.

C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.

D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind between corner #4 and corner "A". Access will be from the West near corner #7.

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.

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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

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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 stipulated by the B.L.M.

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

SEP 1 1993

BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River,which is the major drainage for this area, and approximately 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.

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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, rapters, 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.

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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
Date

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

SEP 1 1993

Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name	BALCRON MONUMENT FEDERAL #12-12-J	Exploratory		Control Well	C & O #4
Location	SWNW SEC 12-T9S-R16E 1980' FNL' 660' FWL	Development	X	Operator	CAMPBELL EXPL
County	DUCHESNE	Field	JONAH UNIT	KB	5462
State	UTAH	Section	SWNW 12	Section	NESW 12
Total Depth	5800	Township	9S	Township	9S
GL (Ung)	5542.82 EST. KB 5552	Range	16E	Range	16E

Formation Tops	Prognosis		Sample Top		Control Well	High/Low		
Formation	Depth	Datum	Depth	Datum	Datum	Prog	Cntl	Deviation
UINTA	SURFACE							
GREEN RIVER	1580	3972			3996			
HORSEBENCH SS	2252	3300			3324			
2ND GARDEN GULCH	3902	1650			1674			
Y-5 SAND	4440	1112			1136			
YELLOW MARKER	4532	1020			1044			
DOUGLAS CREEK	4692	860			884			
R-2 SAND	4770	782			806			
R-5 SAND	4862	690			714			
2ND DOUGLAS CREEK	4932	620			644			
G-1 SAND	5025	527			551			
GREEN MARKER	5080	472			496			
G-4 SAND	5222	330			354			
CARBONATE MARKER	5552	SEA LEVEL			NDE			
TD	5800							

Samples
50' FROM 1500' TO 4000'
10' FROM 4000' TO TD

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

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

Logs
DLL FROM SURF CSG TO TD
LDT/CNL FROM 3700' 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	wk. 248-2778	hm.
	2nd Name: KEVEN REINSCHMIDT	Phone # "	wk. 248-7026	hm.
Prepared By: KKR	8/19/93	Phone #	wk.	hm.

SEP 1 1993

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 (psi)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension 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 guideline, 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)

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Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

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

STRING TYPE	INTERVAL FROM	INTERVAL TO	CASING SIZE	CASING WEIGHT	CASING GRADE
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.

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DMM/8/27/93

United States Department of the Interior

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, 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)

SEP 1 1993

BON[illegible]NO. 5547188

m 3104-8
y 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

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

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

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 the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for e 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 atutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any ssee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the me land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, d 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

ineral 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 her oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

SEP 1 1993

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

WHEREAS the principal is authorized to drill for, mine, extract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

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

SAFECO

SURETY RIDER

EXHIBIT E PAGE 3 OF

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 (PRINCIPAL), as Principal,

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

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

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

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

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

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

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

EQUITABLE RESOURCES ENERGY COMPANY
PRINCIPAL

By: _____
TITLE

SAFECO INSURANCE COMPANY OF AMERICA
SURETY

By: R. George Voinchet
ATTORNEY-IN-FACT

SEP 1 1993

SAFECO

POWER OF ATTORNEY

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

EXHIBIT "E" Page 4 of 4

No. 3798

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. VEHAR; 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

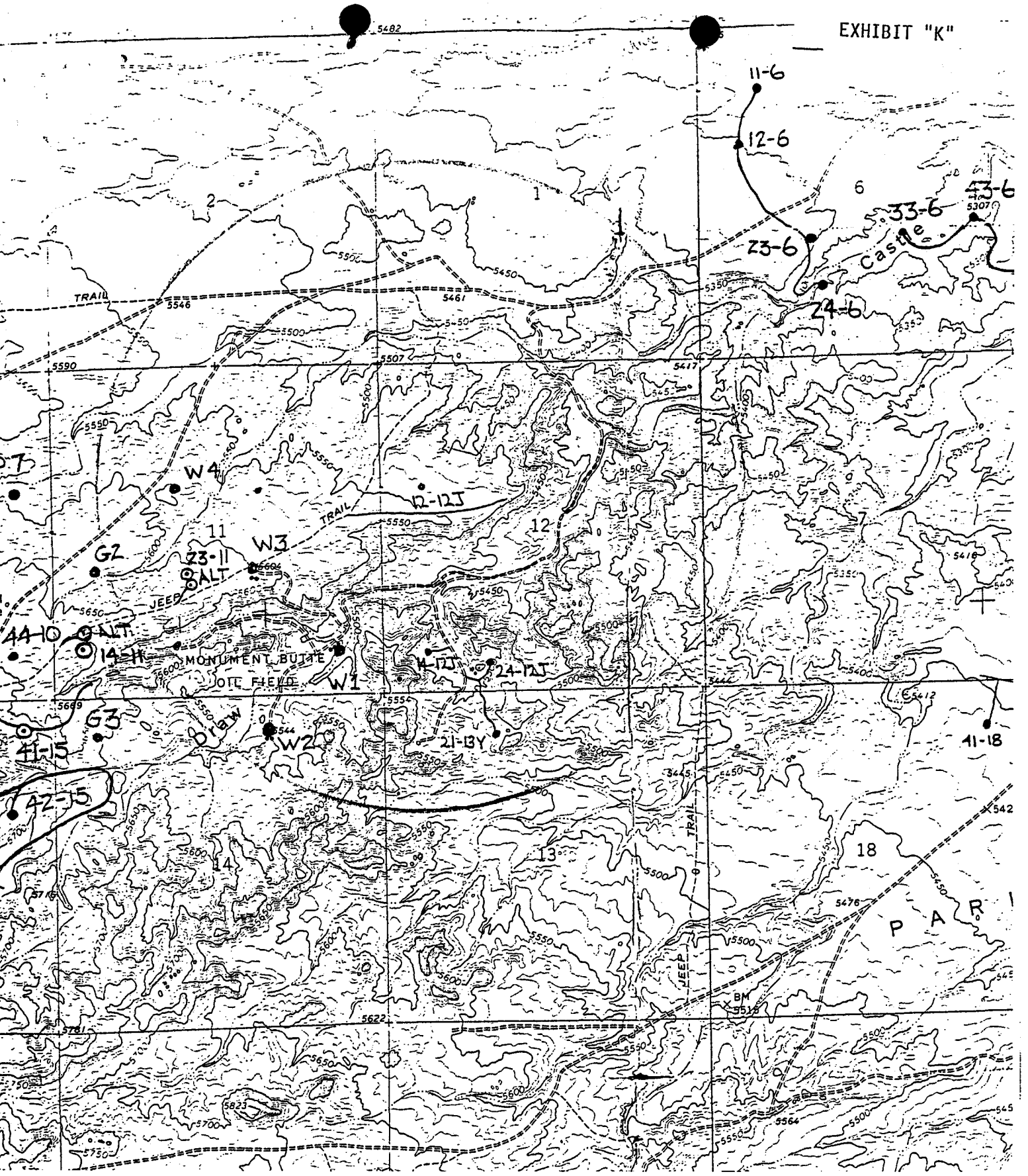
this 10th day of April, 19 89.

SEP 1 1993

S-974 R10 3/86

PRINTED IN U.S.A.

EXHIBIT "K"



NORTH

SEP 1 1993

EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #12-12J

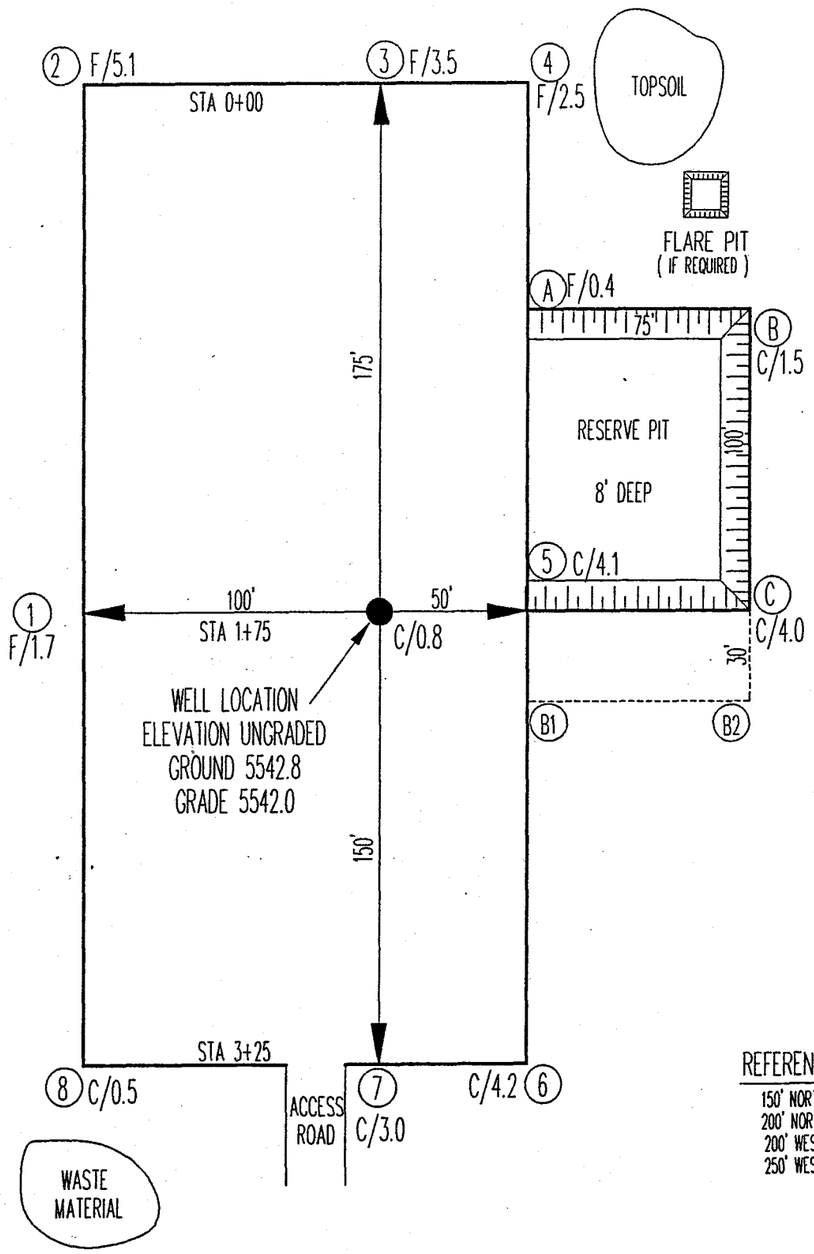
MAP "C"

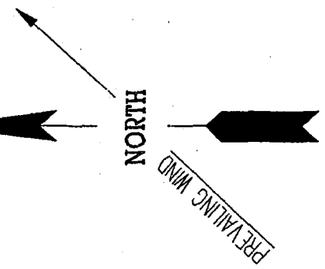
TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

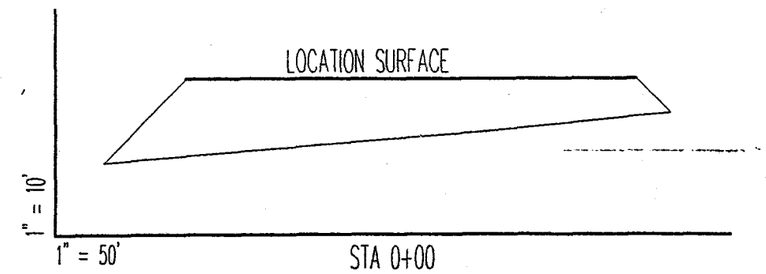
EXHIBIT "L"

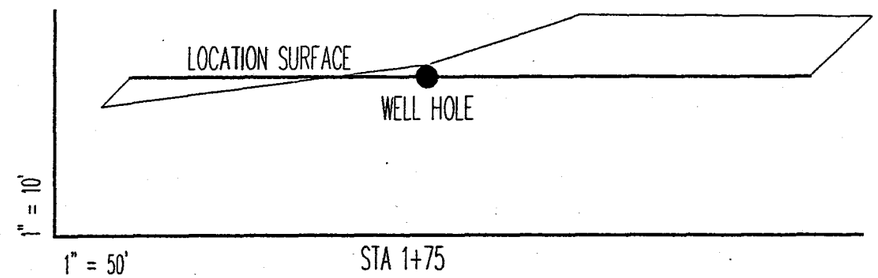
EQUITABLE RESOURCES ENERGY CO.

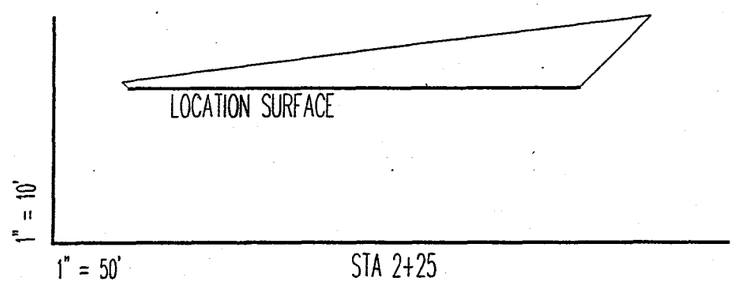
BALCRON MONUMENT FEDERAL #12-12J











REFERENCE POINTS

150' NORTH 5538.4'
200' NORTH 5537.2'
200' WEST 5545.3'
250' WEST 5545.8'

APPROXIMATE YARDAGE

CUT = 2000 Cu Yds
FILL = 1950 Cu Yds
PIT = 2222 Cu Yds

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

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 09/01/93

OPERATOR: EQUITABLE RESOURCES OPERATOR ACCT NO: N- 9840
WELL NAME: BALCRON MONUMENT FED. 12-12J

API NO. ASSIGNED: 43 - 013 - 31410 CONFIDENTIAL

LEASE TYPE: FED LEASE NO: U-096550
LOCATION: SWNW 12 - T09S - R16E DUCHESNE COUNTY
FIELD: MONUMENT BUTTE 105 FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond
(Number FED SURETY INC.)
N Potash (Y/N)
N Oil shale (Y/N)
___ Water permit
(Number _____)
N 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 SUNDRY PRIOR TO SPUD

CONFIDENTIAL ~~PERIOD~~ EXPIRED ON ~~1-9-95~~

STIPULATIONS:

cc: Duchesne County Assessor
Bureau of Land Management, Vernal
Tim Thompson, Field Inspection Supervisor

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 03 1993
DIVISION OF
OIL, GAS & MINING

September 2, 1993

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

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'

43-013-31410

CONFIDENTIAL

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'

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

ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

August 27, 1993

RECEIVED
SEP 2 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

RECEIVED
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

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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MAP 1: Cultural Resource Inventory of
Proposed Balcron Well Unit 24-4Y
in the Monument Buttes Locality of Duchesne County, Utah . . 2

MAP 2: Cultural Resource Inventory of
Proposed Balcron Well Units 12-12J
14-12J and 24-12J, Monument Buttes Locality 3

MAP 3: Cultural Resource Inventory of
Proposed Balcron Well Units 42-1,
31-7 and 21-12, Monument Buttes Locality 4

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.

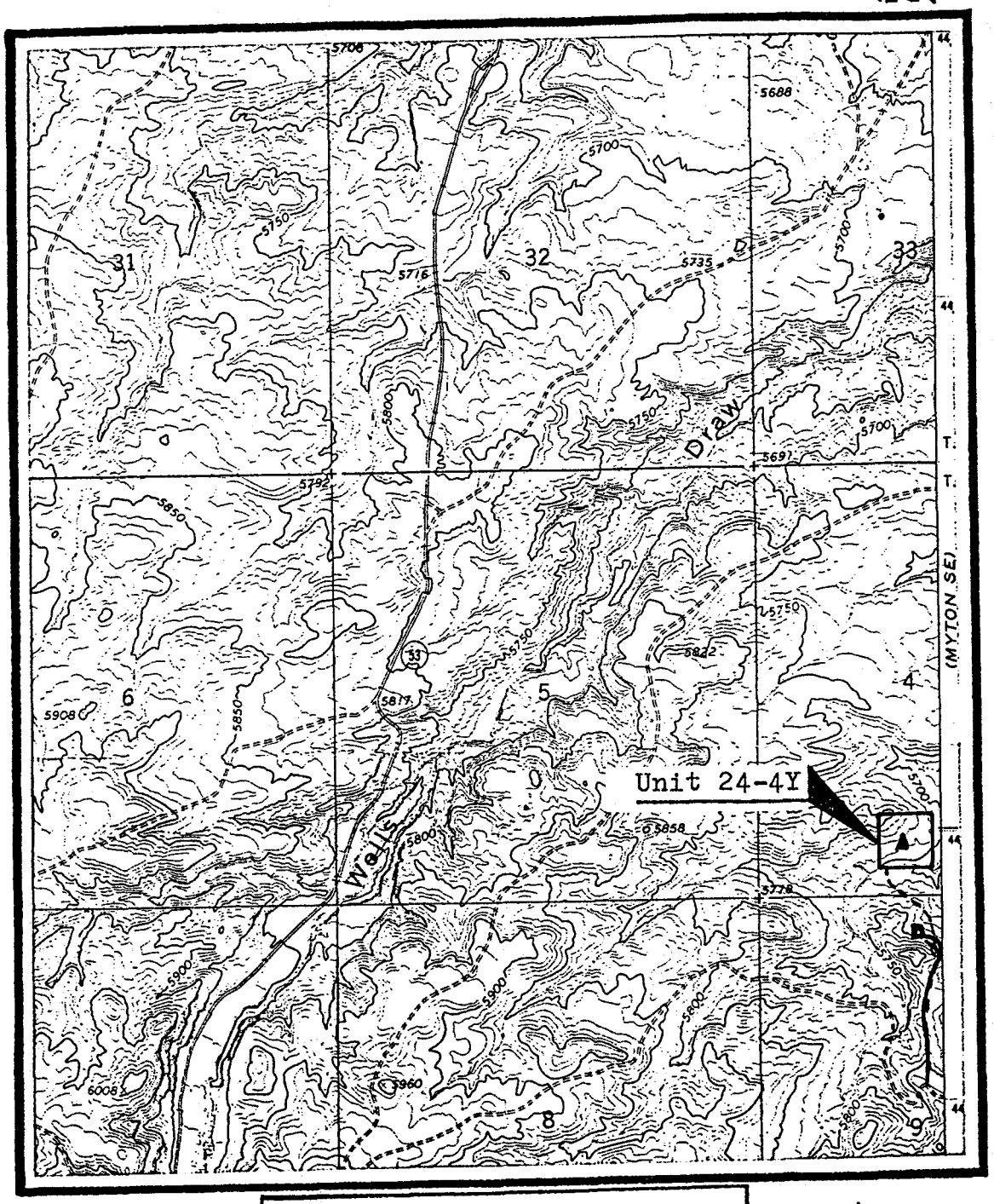
Project Location

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.

AERC



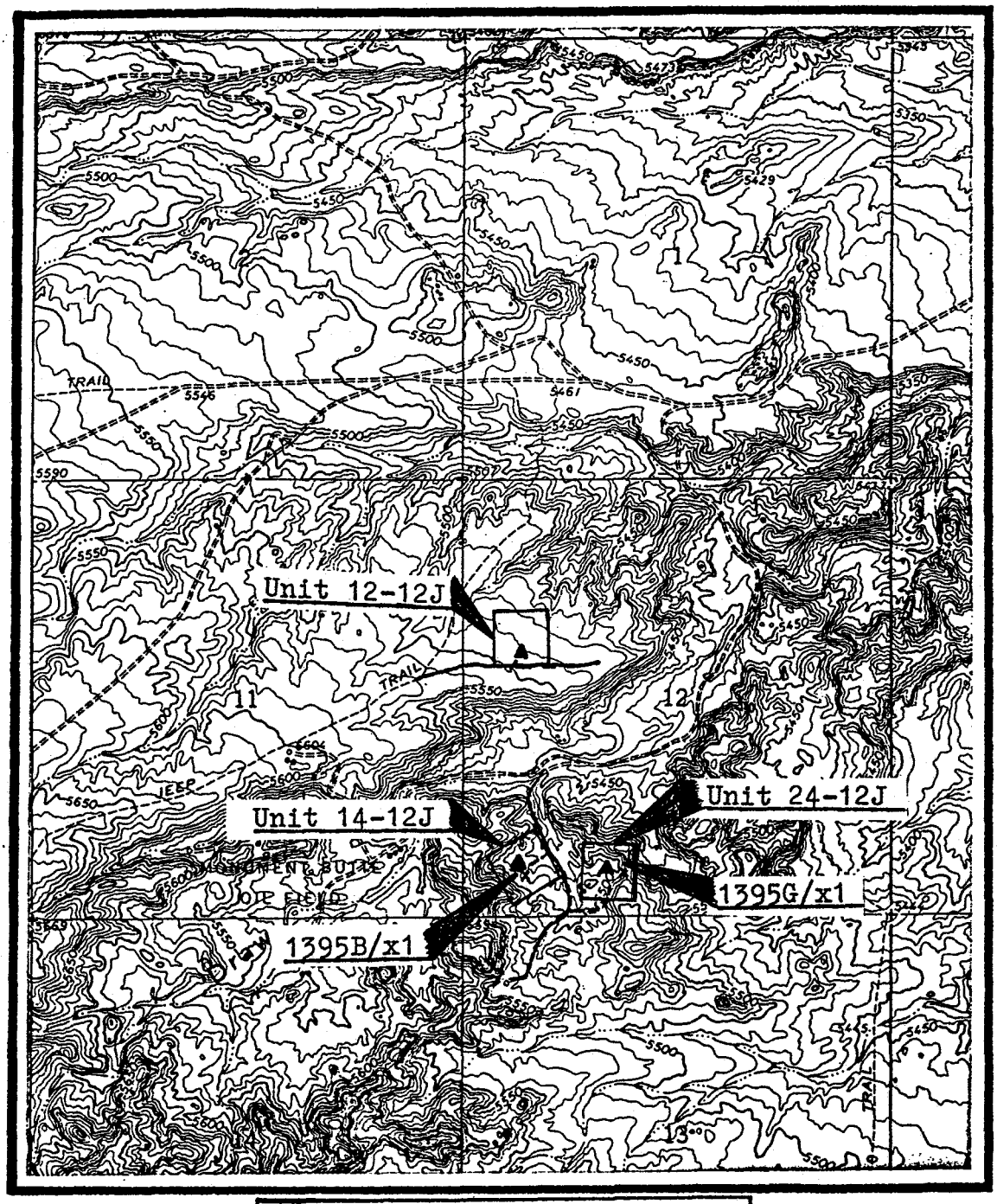
T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SW
Utah

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

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

N

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



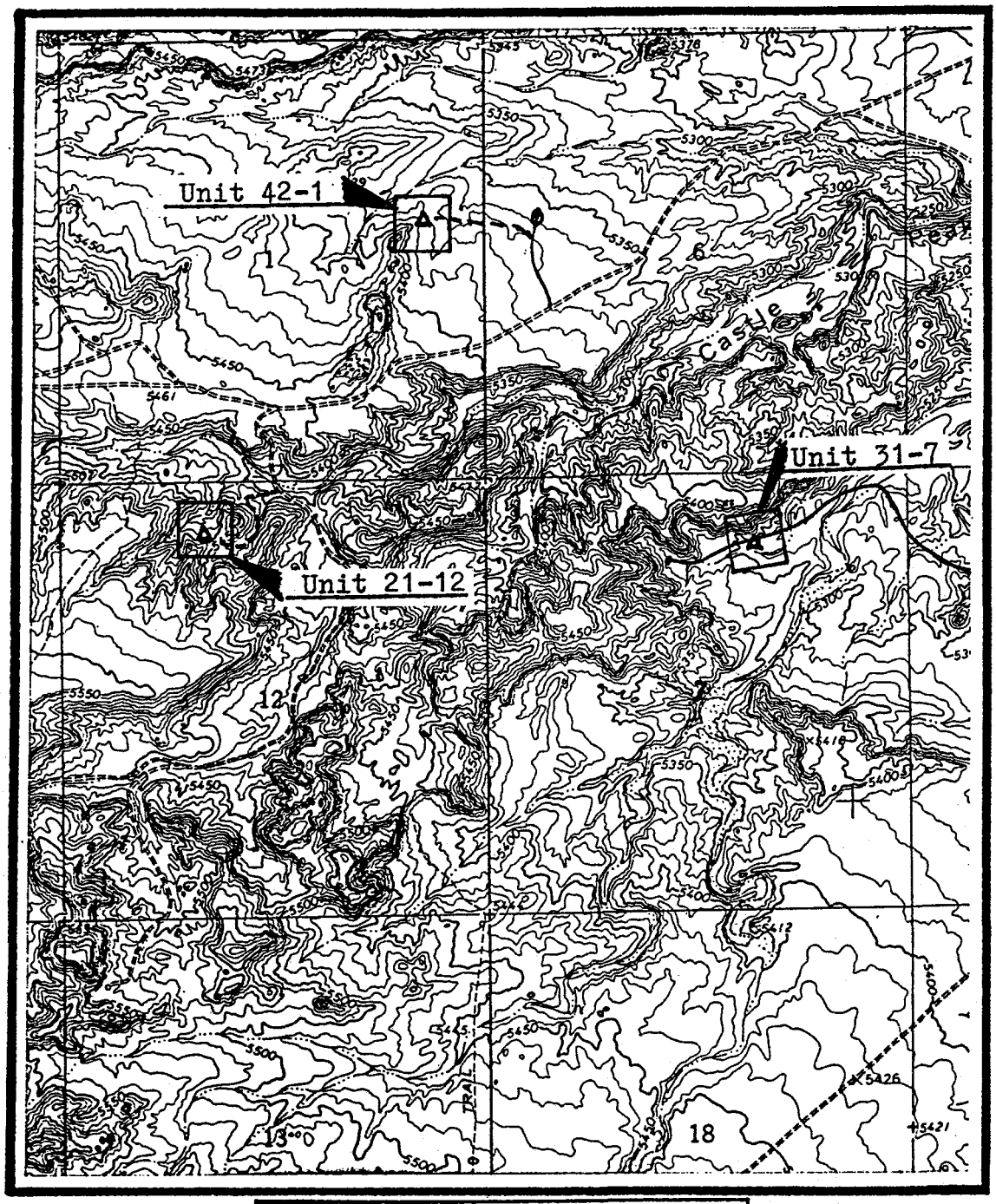
T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SE
Utah

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

N

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

N

Project: BLCR-93-4
Series: Uinta Basin
Date: 8/30/93

Scale: 1:24,000

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.

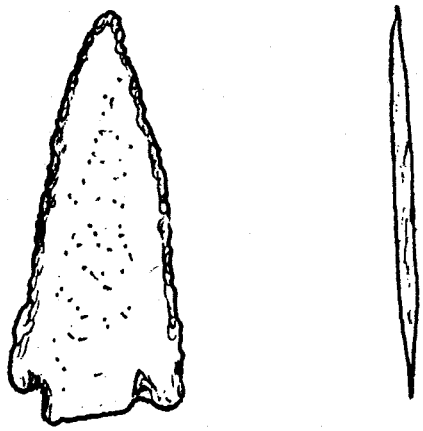
No previously recorded sites are located within the proposed development zones.

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

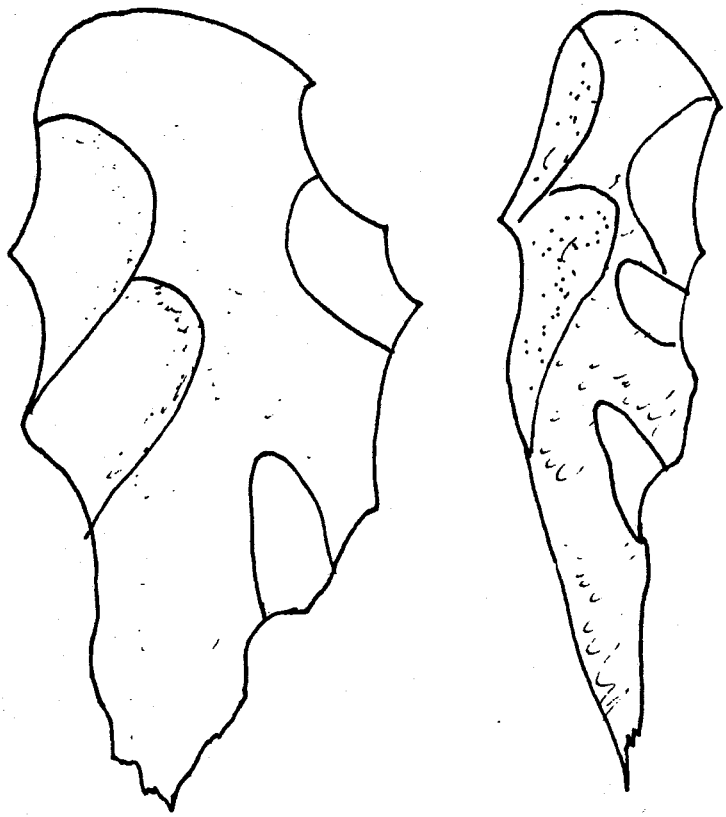
A number of isolated artifacts were observed or collected during the survey. A single corner notched projectile point (1395B/x1) was recovered by BLM archaeologist Blaine Phillips from near the well center stake of unit 14-12J during the initial reconnaissance of the well location. No other artifacts 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.

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 #12-12J Well, 1980' FNL, 660' FWL, SW NW, 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.

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 43-013-31410.

Sincerely,

R.J. Firth
Associate Director, Oil and Gas

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

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

Authorization No .U.9.3.A.F.4.4.6.b. .

Report Acceptable Yes __ No __

Mitigation Acceptable Yes __ No __

Comments:

Summary Report of
Inspection for Cultural Resources

S E V E N W E L L L O C A T I O N S I N T H E

M O N U M E N T B U T T E S L O C A L I T Y

1. Report Title . . . . . .

2. Development Company Balcron Oil Company (BLCR-93-4)

3. Report Date . . . 0 8 2 7 1 9 9 3 . . . . . 4. Antiquities Permit No. UT-92-54937

5. Responsible Institution . . . . . A E R C B L C R 9 3 - 4 . . . . County Duchesne

6. Fieldwork Location: TWN 9 S . . . . . RNG 1 7 E . . . . . Section 0 7 . . . |. . . |. . . |. . . |

7. Resource Area .S M. TWN 9 S . . . . . RNG 1 6 E . . . . . Section 0 1 0 4 1 2 . . . |. . . |. . . |. . . |

---

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 acress the ten acre study areas associated with each well pad and by walking paiored 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 7 9 . 8 6 . . . . . .

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)

EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

RECEIVED
SEP 29 1993
DIVISION OF
OIL, GAS & MINING

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

September 27, 1993

-- VIA FEDERAL EXPRESS --

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

CONFIDENTIAL

Gentlemen:

RE: Paleontology Reports

Enclosed are Paleontology Reports for the following wellsites and access roads:

Balcron Monument Federal #12-12J	43-013-31410	Sec 12 T9S R16E
Balcron Monument Federal #14-12J	43-013-31411	Sec 12 T9S R16E
Balcron Monument Federal #14-15	43-013-31381	Sec 15 T9S R16E
Balcron Monument Federal #21-12J	43-013-31406	Sec 12 T9S R16E
Balcron Monument Federal #24-12J	43-013-31409	Sec 12 T9S R16E
Balcron Monument Federal #31-7J	43-013-31405	Sec 7 T9S R17E
Balcron Monument Federal #42-1J	43-013-31404	Sec 1 T9S R16E
Balcron Federal #24-4Y	43-013-31412	Sec 4 T9S R16E

Also enclosed are the Monitoring Reports submitted by the paleontologist for the following wellsites:

Balcron Federal #21-9Y	43-013-31396	Sec 9 T9S R16E
Balcron Monument Federal #13-5	43-047-32261	Sec 5 T8S R25E

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

BALCRON OIL

Balcron Monument Federal #12-12J

SW NW Section 12, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

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

SEPTEMBER 12, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #12-12J

Description of Geology and Topography-

This well location is on the bench approximately 1/4 mile north of Castle Peak Draw, 10 miles south and1/2 miles west of Myton, Utah. The area slopes gently to the northeast with draining into a side canyon which runs a mile east-northeast to Castle Pe Peak Draw. The access road enters the wellpad location from the west with about 200 feet of new road construction.

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

Rocks in the immediate area of the proposed wellpad are composed of interbedded sandy limestone, limy sandstone, shale, and sandstone. Some chert is associated with this material also. Probably represents shallow lacustrine (lake) and fluvial (stream) deposits.

Paleontological material found -

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

Some of the pieces of dark brown chert found on the surface with limestone fragments appear to have ostracods (fresh water crustaceans) in them. This is a small invertebrate shelled animals common in some layers of the Uinta Formation is this area. Because ostracods are small and so common in these rocks, construction of wellpads and access road poses no threat to that paleontological resource.

Recommendations-

No other recommendations are made for this location.

Helen H. Hamblin Date September 12, 1993

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-096550

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.: #12-12J

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

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

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 NW Section 12, T9S, R16E 1980' FNL, 660' FWL
At proposed prod. zone: 43-013-31410

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. unit line, if any):

16. NO. OF ACRES IN LEASE:

17. NO. OF ACRES ASSIGNED TO THIS WELL:

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

19. PROPOSED DEPTH: ~~6,000'~~ 5,800'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5,542.8' 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		

CONFIDENTIAL

RECEIVED
AUG 31 1993

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

OCT 8 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 (Bobbie Schuman) TITLE Coordinator of Environmental and Regulatory Affairs DATE August 30, 1993

(This space for Federal or State office use)

PERMIT NO. 43-013-31410 APPROVAL DATE

APPROVED BY Jerry Kenczka TITLE Acting ASSISTANT DISTRICT MANAGER MINERALS DATE OCT 5 1993

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

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.

WELL LOCATION INFORMATION

Company/Operator: Equitable Resources Energy Company

API Number 43-013-31410

Well Name & Number: 12-12J

Lease Number: U-096550

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

Surface Ownership: Federal

Date NOS Received

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

Company Equitable Resources Energy Company Well No. Balcron Federal 12-12J

Location SWNW Section 12, T9S, R16E Lease No. U - 096550

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 ± 1,407 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 ± 1,207 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 Petroleum Engineer	(801) 781-1190
Ed Forsman Petroleum Engineer	(801) 789-7077
BLM FAX Machine	(801) 789-3634

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

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

Additional Surface Stipulations

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 between September 15 and when the ground freezes, unless otherwise approved by the A.O.

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

1. If emergency use occurs, the emergency pit shall be emptied and the liquids disposed of in accordance with applicable State and/or Federal regulations within 48 hours following its use, unless such time is extended by the authorized officer.

2. As much as practicable, the emergency pit shall be located on level ground, and away from drainage patterns and unstable ground.

3. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for the drilling 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 paleontological resources. If historic, archaeological, or paleontological resources are uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

Balcron Oil
DAILY OPERATING REPORT

DATE: 10/12/93

****JONAH UNIT PARTNERS' 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
PTD: 5,800' Green River Oil - Dev.

10-9-93 Well spud w/a dry-hole spudder (Leon Ross) on 10-9-93 @ 10 a.m.

BALCRON MONUMENT FEDERAL #14-5J
Operator: EREC/Balcron
BOD WI: 79.78%
Location: SW SW Section 5, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

10-12-93 TD: 5,700' (200') Day 9
Formation: Wasatch Tongue
MW 8.4 VIS 26 pH 9.2
Present Operation: Logging
Drill, rig service, & survey. Trip for hole in drill pipe & cracked drill collar. Trip back in w/bit #2. Drill to TD @ 12:30 midnight. TOH to log, logging w/Schlumberger.
DC: $6,772 CC: $113,343

BALCRON MONUMENT FEDERAL #32-15J
Operator: Balcron/EREC
BOD WI: 100%
Location: SW NE Section 15, T9S, R16E
Duchesne County, Utah
Prospect: Monument Butte
PTD: 5610' Green River Oil - Dev.

---TIGHT HOLE---

10-12-93 TD: 3,300' (1,107') Day 3
Formation: Green River
MW air & foam
Present Operation: Drilling
Drill, survey, & rig service.
DC: $15,185 CC: $78,000

BALCRON MONUMENT FEDERAL #41-15J
Operator: EREC/Balcron
BOD WI: 79.78%
Location: NE NE Section 15, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

10-11-93 Completion
Dress up location. Set rig anchors. Run Bond log on well.
DC: $5,445

TATE OF UTAH
IVISION OF OIL, GAS AND MINING

NTITY ACTION FORM - FORM 6

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

OPERATOR ACCT. NO. N9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	11535	43-013-31410	Balcron Monument Federal #12-12J	SW NW	12	9S	16E	Duchesne	10-9-93	10-9-93

ELL 1 COMMENTS:

Spud of new well

2 COMMENTS:

ELL 3 COMMENTS:

ELL 4 COMMENTS:

ELL 5 COMMENTS:

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OCT 14 1993
DIVISION OF
OIL, GAS & MINING

CTION 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)

DATE: October 12, 1993

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

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

Phone No. (406) 259-7860

3/89)

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 12, 1993

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

RECEIVED
OCT 14 1993
DIVISION OF
OIL, GAS & MINING

Gentlemen:

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

and

Balcron Monument Federal #41-18
NE NE Section 18, T9S, R17E
Duchesne County, Utah

Enclosed are the Report of Spud 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

cc: State of Utah, Division of Oil, Gas, & Mining -
Also enclosed is the Entity Action Forms.
Dawn Schindler
Mary Lou Dixon - Uintah County Health Dept (via fax)

Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.: U-096550
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 #12-12J
9. API Well No.: 43-013-31410
10. Field and Pool, or Exploratory Area: Monument Butte/Green River
11. County or Parish, State: Duchesne County, UTAH

1. Type of Well: [X] 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 NW Section 12, T9S, R16E

1980' FNL, 660' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Report of Spud	[ ] Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

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

RECEIVED
OCT 14 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 12, 1993

(This space for Federal or State office use)

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

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

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 12-12J

API NO. 43-013-31410

Section 12 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 10/31/93

Time

How ROTARY

Drilling will commence

Reported by DLI-DOGM

Telephone #

Date 10/29/93 SIGNED JLT

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/2/93

****JONAH UNIT PARTNERS' 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
PTD: 5,800' Green River Oil - Dev.

11-2-93 TD: 3,205' (1,179') Day 3
Formation: Green River
MW 8.3 VIS 26
Present Operation: Drilling
Drill, survey, clean on rig, & work on winterizing.
DC: $16,147 CC: $67,665

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---

11-1-93 Completion
MIRU Cannon Well Service Rig #1. TIh w/4-3/4" bit, 5-1/2" csg scraper, 183 jts 2-7/8" tbg. Tag PBTD @ 5625' KB, circ hole w/123 bbl KCL wtr. TOOH w/tbg, scraper & bit. RU Cutter Wireline to run CBL & perf 5216'-20' 2 SPF. Cmt top at 2490' KB. RD Cutter Wireline. SWIFN.
DC: $25,536

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/3/93

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

BALCRON MONUMENT FEDERAL #12-12J

--- TIGHT HOLE ---

Operator: EREC/Balcron
BOD WI: 79.78%
Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte
PTD: 5,800' Green River Oil - Dev.

11-3-93 Td: 4,168' (963') Day 4
Formation: Yellow Zone
MW 8.4 VIS 26
Present Operation: Drilling
Drill, survey, clean & paint.
DC: $12,812 CC: $80,477

BALCRON MONUMENT FEDERAL #23-15

---TIGHT HOLE---

Operator: Balcron/EREC
BOD WI: 79.78%
Location: NE SW Section 15, T9S, R16E
Duchesne County, Utah
Prospect: Monument Butte

11-2-93 Completion
TIH w/1 jt 2-7/8" tbg, R-3 packer, SN & 167 jts tbg, set packer @ 5153' KB, EOT @ 5188'. RU Dowell to do KCL break down. **Refer to treatment report.** High pressure on break down, call for 500 gals 15% HCL. Start acid break down **refer to treatment report.** Left acid on formation, call to reperforate zone. SWIFN. Load to recover 51 BW.
DC: $4,556

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/4/93

****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

11-4-93 TD: 5,071' (903') Day 5
Formation: Green Zone
MW 8.3 VIS 26
Present Operation: Drilling
DC: $12,416 CC: $92,893

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---

11-3-93 Completion
CP - 850 psi. Pump for injection rate 2450 psi, 2.1 BPM 2% KCL. TOOH w/tbg & packer. RU Cutter Wireline to perf 5212'-22' 4 SPF. RD Cutter Wireline. Pump for injection rate 2200 psi @ 2.75 BPM, ISIP - 2000#. TIH w/1 jt 2-7/8" tbg, 5-1/2" packer, SN, & 2-7/8" tbg. Set packer @ 5153' KB. EOT @ 5188' KB. RU Dowell to do acid break down **refer to treatment report.** RU Dowell to frac down tbg. Total sand used 20,700# 16-30, screened out when 7# got to perfs. SWIFN.
DC: $31,396

[redacted]

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GEOLOGIC AND DRILLING REPORT

43-013-31410

BALCRON OIL
MONUMENT BUTTE FEDERAL NO. 12-12J
SWNW Section 12-T9S-R16E
DUCHESNE COUNTY, UTAH

BALCRON OIL
P.O. BOX 21017
Billings, Montana 59104

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Strip Log---------- Pocket

Prepared by:

M.K. Jones
P.O. Box 21194
Billings, MT 59104
(406) 652-4505

Well Summary

OPERATOR:	Balcron Oil
LEASE AND WELL NAME:	Monument Butte Federal No.12-12J
LOCATION:	1980' fn, 660' fw (SWNW) Section 12-T9S-R16E Duchesne County, Utah
ELEVATION:	5542 Ground, 5552 K.B.
SPUD DATE:	10:00 AM, October 9, 1993
COMPLETION DATE:	Ran 5 1/2" Production Casing November 6, 1993
CASING POINT, DATE:	November 5, 1993
TOTAL DEPTH:	5800' Driller Depth, 5814' Logger Depth
WELL STATUS:	Awaiting Completion as Oil Well
DRILLING CONTRACTOR:	Union Drilling, Inc.
RIG NO.:	17
HOLE SIZE:	Surface; 12 1/4" to 275' Main Hole; 7 7/8" to Total Depth
SURFACE CASING:	6 Jts 8 5/8", 24# J-55 @ 276.69 K.B.; w/150sx class "G" + 3% CaCl, + 1/4#/sk Celloseal
MUD PROGRAM:	Drill w/ air & mist to 5800; Load Hole w/Fresh Wtr, KCL & Polymer
LOGS:	Haliburton Logging Services - DLL-MSFL, Spectral Density, Dual spaced Neutron Log
CORES:	None
DRILL STEM TESTS:	None
SAMPLE QUALITY:	Good
SAMPLE DISPOSITION:	Utah Geological Sample Library
PRODUCTION CASING:	5 1/2", 15.5# @ Total Depth

DRILLING EQUIPMENT:
RIG: Draw Works Cabot-Franks Rocket
Mast Make Cabot Height 87'
Power Caterpillar 343 Diesel

BLOW OUT PREVENTER:
Make Schaeffer, Model 10" - 900
Type Hydraulic Dbl Ram
Drill Pipe Size 4 1/2" Thread XH 16.6#
Drill Collars: NO.18, Length 496'
Thread 4" H-90, ID 2 1/2", OD 6"

PUMP: NO. 1 Make GD, Model 200 FX,
Stroke Length 14"
Liner ID 5 1/2".
Power Twin 671 Detroit Diesels

Penetration Record

DAILY DEPTH AT 6:00 A.M.

Monument Butte Federal 12-12J

	PENETRATION		TIME DISTRIBUTION				
DATE	DEPTH	FOOTAGE	DRILLING	REPAIRS	OTHER	DAY WORK	REMARKS
10/09/93	-	-	-	-	-	-	Spud @ 10:00 AM
10/10/93	275	275	-	-	-	-	Run & Cmt 8 5/8" Csg
10/30/93	275	-	-	-	-	-	Move on Union #17
10/31/93	645	370	8	-	16	-	Move In; Rig Up
11/01/93	2026	1381	21 1/2	-	2 1/2	-	Drill w/Air & Mist
11/02/93	3205	1179	21 1/2	-	2 1/2	-	-
11/03/93	4168	963	21 1/4	-	2 3/4	-	-
11/04/93	5071	903	19	-	5	-	-
11/05/93	5800	729	16	-	8	5 1/2	Load Hole f/Logging
11/06/93	5800	-	-	-	24	24	Logging; Lay dwn DP Run 5 1/2" Casing Cmt 5 /12" Csg,Rig Dwn
11/07/93	5800	-	-	-	1	1	Rig Released 7:00 AM

TIME DISTRIBUTION SUMMARY

Rotating Hours---------- 117 1/4 Hours
Days on Location---------- 6 Days
Rig Repair---------- - Hour
Day Work---------- 30 1/2 Hours

Mud Check

Monument Butte Federal No. 12-12J

DATE	DEPTH	WT.	VIS.	PH	WL	CAKE	SALT	KCl %
10/31/93	Air and Mist	-	-	-	-	-	-	1850 CFM
11/01/93	Air and Mist	-	-	-	-	-	-	1850 CFM
11/02/93	Air and Mist	-	-	-	-	-	-	1850 CFM
11/03/93	Air and Mist	-	-	-	-	-	-	1850 CFM
11/04/93	Air and Mist	-	-	-	-	-	-	-
11/05/93	Load Hole w/KCl Water		-	-	-	-	-	-
	5800	8.0	26	-	-	-	10,500	1.6 %

Mud Additives

KCL---------- 125 sx

Detergent---------- 12 cans

Bit Record

Monument Butte Federal No. 12-12J

NO.	SIZE	MAKE	TYPE	JETS	OUT	FEET	HRS.	WEIGHT	RPM	SPM	PRESS	DEV
1	7 7/8"	HTC	ATJ-55A	Open	5800	5524	107 1/4	10-30	50	Air & Mist		2 1/2°

Deviation Record

DEPTH	ANGLE	DEPTH	ANGLE
289	3/4°	3240	1 1/2°
800	1°	3740	2 1/2°
1300	1°	4240	1 3/4°
1807	1°	4752	2 1/4°
2243	1 1/4°	5250	2 1/2°
2743	3°		

Show Report

Monument Butte Federal 12-12J

No.	Depth From-To	Drill Rate, Min/ft Before	During	After	Total Gas Before	Peak	After	Chromatograph C1	C2	C3	C4
1	3650-3750	1.0	1.0	1.0	5	5	5	9.0	1.0	-	-
C- 2	4206-4218	0.6	1.4	0.9	11	11	11	15.0	1.0	-	-
3	4636-4640	0.7	1.5	0.6	12	12	12	17.0	2.0	-	-
B- 4	5006-5012	1.3	0.6	0.9	17	160	65	65.0	9.0	13.0	2.0
5	4738-4745	1.0	0.7	1.5	14	14	14	13.0	2.0	-	-
A- 6	5205-5214	0.5	1.2	1.4	25	270	135	200	80	30	8.0
7	5536-5542	0.75	1.5	0.75	55	55	55	35	16.0	8.0	4.0
8	5562-5566	1.5	2.0	1.5	55	55	55	35	16.0	8.0	4.0
9	5664-5668	1.0	0.75	1.0	55	55	55	35	16.0	8.0	4.0
10	5734-5750	0.75	1.25	1.0	40	40	40	25	12.0	6.0	4.0

Remarks

1. SS - lt gy, brn, vfg, ang, pr por, brn oil stn, slow strmg ct, no fluor.
C-2. SS - brn, lt gy, vf-fg, sb ang-rnd, calc, fri, pr por, no fluor, instant strng strmg ct, hole making oil while driling.
3. Ls - brn, tn, mic, ostracodal, poor por, sli gld fluor, brn oil stn, quick strong strmg ct.
B-4. SS - lt gy, dk brn, calc, tite to pr por, no visible show, hole making tarry oil while drilling with mist.
5. SS - wh, lt gy, vfg, fri, slty, unconsol, dull yell fluor, milky ct.
A-6. SS - lt gy, tn, vf-fg, sb ang, calc, loose grns, brn oil stn, dull yell fluor, quick strng strmg ct.
7. Sltst - oil stn, no fluor, fast, strng, strmr ct (uphole contam?)
8. SS - lt gy, brn, vf-fg, pr-fr por, brn oil stn, no fluor, milky cut.
9. SS - wh, fg, fri, spty stn, & fluor, mod fst strmg ct.
10. SS - lt gy, vf-fg, fri, slty, brn o stn, spty fluor, slw strmg ct.

NOTE: *A,B,C,D DENOTES RELATIVE STRENGTH OF SHOW

Formation Data

Monument Butte Federal 12-12J

Sample Tops

ELEVATIONS	5542 GL	5552 K.B.		STRUCTURAL RELATIONSHIP
FORMATION	**DEPTH**	**ELEVATION**	**THICKNESS**	**HIGH/LOW**
TERTIARY				
Uintah	Surface	5542	1586	92' High
Green River Fm	1596	3956	656	26' Low
Horseshoe Bench	2252	3300	1653	22' Low
2nd Garden Gulch	3905	1647	204	27' Low
Yellow 1 Sandstone	4109	1443	73	33' Low
Yellow 3 Sandstone	4182	1370	260	26' Low
Yellow 5 Sandstone	4442	1110	97	26' Low
Yellow Marker	4539	1013	159	31' Low
Douglas Creek	4698	854	80	30' Low
Red 2 Sandstone	4778	774	99	39' Low
Red 5 Sandstone	4877	675	61	40' Low
2nd Douglas Creek	4938	614	88	30' Low
Green 1 Sandstone	5026	526	57	25' Low
Green Marker	5083	469	140	26' Low
Green 4 Sandstone	5223	329	329	26' Low
Wasatch Tongue	5552	Sea Level	262+	Not Reached in Comp Well

TOTAL DEPTH **5814'**

REFERENCE WELL : Campbell Exploration
Government C & O No. 4
(SE Diagonal 40 Acre Offset)

Sample Description

Balcron Oil
Monument Butte Federal No.12-12J
SWNW Section 12-T9S-R16E
Duchesne County, Utah

Drilling with air and mist; Samples caught from blooie line; 50 foot sample intervals; Good Samples.

1500 - 1550	Sandstone - light gray, fine grained, angular to sub-rounded, micaceous, clay-filled to siliceous, hard tight
1550 - 1600	Sandstone - as above; Shale - light gray, blocky, hard, silty; Marl - light brown, petroliferous, "Oil Shale".

LOG TOP, GREEN RIVER FM 1596' (+3956')

1600 - 1650	Shale and Marl - as above.
1650 - 1700	Marl - tan, brown, petroliferous, "Oil Shale".
1700 - 1750	No change.
1750 - 1800	No change.
1800 - 1850	Marl - buff, tan - brown, petroliferous, "Oil Shale"
1850 - 1900	Marl - tan, brown, as above.
1900 - 1950	Marl - buff, tan, brown.
1950 - 2000	No change.
2000 - 2050	No change.

2050 - 2250	No change.

LOG TOP, HORSESHOE BENCH 2252' (+3300')

2250 - 2300	As above; Trace of Shale - medium gray, blocky, hard, calcareous; Trace of Sandstone - white, very fine grained, silty, angular, calcareous.
2300 - 2350	Marl - as above; Trace of Sandstone - as above.
2350 - 2400	No change.
2400 - 2450	Marl - as above; Trace of Chert - milky white.
2450 - 2500	Marl - tan, brown, blocky, petroliferous.
2500 - 2550	Marl - as above; Trace of massive pyrite; Trace of Chert - milky white, pyritic.
2550 - 2700	Marl - tan, brown, blocky, petroliferous.
2700 - 2750	As above; Some Sandstone - light gray, very fine grained, silty, angular, calcareous, scattered yellow gold fluorescence, no cut.
2750 - 2800	Sandstone - buff, light gray, very fine to fine grained, silty, angular, calcareous, slightly shaley, some poor porosity, *no show*.
2800 - 2850	Marl - tan, brown, petroliferous; Some Sandstone - as above.
2850 - 2950	Marl - as above.
2950 - 3000	Sandstone - light gray, very fine grained, silty, angular, calcareous, clay-filled, tight, no show; Shale - medium gray, calcareous, hard, blocky, gritty; Limestone - tan, brown, micritic; Marl - as above.
3000 - 3050	Sandstone - as above; Shale - medium gray, calcareous, gritty, hard, blocky; Some Limestone.
3050 - 3100	Limestone - tan, brown, micritic, petroliferous; marl - tan, brown, petroliferous.
3100 - 3150	No change.

3150 - 3200	Shale - light gray, calcareous, silty, hard, blocky; Limestone - buff, tan, hard, silty; Siltstone - light gray, calcareous, hard, shaley; Trace of Sandstone - light gray, very fine grained, angular, silty, calcareous, hard, tight.
3200 - 3250	Sandstone - light gray, very fine grained, silty, angular, calcareous, *speckled dark brown oil stain, slow weak streamer cut*; Siltstone and Shale - as above; Some Limestone.
3250 - 3300	Marl - tan, brown, blocky, petroliferous; Limestone - buff, tan, brown, micritic, argillaceous; Shale - light to medium gray, silty, calcareous, hard, blocky.
3300 - 3350	No change.
3350 - 3450	Increasing amount of gray shale.
3450 - 3500	Limestone - tan, brown, fragmental to micritic, argillaceous; Some Marl and Shale - as before.
3500 - 3550	Sandstone - light gray, very fine grained, silty, angular, calcareous, tight, no show; Limestone - as above.
3550 - 3600	Shale - light gray, calcareous, hard, blocky, gritty to silty; Limestone - as before; Some Sandstone.
3600 - 3650	As above; Siltstone - light gray, shaley.
3650 - 3700	Sandstone - light gray, tan, very fine grained, silty, angular, friable, calcareous, tight, spotty brown asphaltic oil stain, no fluorescence, slow strong streaming cut; Shale and Limestone - as above.
3700 - 3750	Shale and Limestone - as above; Much Sandstone -as above.
3750 - 3800	Limestone - tan to brown, micritic; Shale - medium gray, calcareous, hard, blocky.
3800 - 3850	Shale - as above; Some Limestone - as above.
3850 - 3900	Siltstone - light gray, very sandy, calcareous, hard; Shale - as above; Some Limestone.

LOG TOP, SECOND GARDEN GULCH 3905' (+1647')

3900 - 3950	Limestone - tan, brown, micritic, hard; Shale - medium gray, hard, blocky, calcareous; Loose quartz grains, very fine to fine, angular.
3950 - 4000	Sandstone - light gray, very fine grained, silty, angular, calcareous, partly shaley, tight, no show, grades to sandy siltstone; Some Limestone - as before.

Begin 20 Foot Samples

4000 - 4020	As above; Shale - light gray, calcareous, blocky, hard, gritty to silty.
4020 - 4040	Limestone - tan, micritic; Shale - pale gray, pale green, hard, blocky.
4040 - 4060	Shale - as above, becoming silty; Limestone - as above.
4060 - 4080	Sandstone - light gray, very fine grained, very silty, angular, calcareous, tight, *no show*.
4080 - 4100	Sandstone - as above; Shale -medium gray, hard, blocky, silty.

LOG TOP, YELLOW 1 SANDSTONE 4109' (+1443')

4100 - 4120	No change.
4120 - 4140	Marl - brown, hard, petroliferous; Limestone - tan, brown, micritic.
4140 - 4160	As above; Shale - light gray, hard, blocky, calcareous.
4160 - 4180	Shale - as above; Some Limestone.

LOG TOP, YELLOW 3 SANDSTONE 4182' (+1370')

4180 - 4200	Sandstone - light gray, tan, very fine grained, very silty, angular, calcareous, tight to very poor porosity, *some fragments have dark brown oil stain, no fluorescence, quick strong streamer cut*.
4200 - 4220	Sandstone - tan, light gray, very fine to fine grained, silty, angular, calcareous, poor porosity to tight, *dark brown oil saturation, no fluorescence, instant strong streaming cut*.

4220 - 4240	Sandstone - as above; Shale - light gray, hard, blocky, calcareous, silty, ostracods.
4240 - 4260	No change.
4260 - 4280	Siltstone - light gray, calcareous; Shale - as above; Some Sandstone - as above.
4280 - 4300	Sandstone - light gray, very fine to fine grained, angular, friable, calcareous, tight, *scattered dark brown oil stain, no fluorescence, quick strong streaming cut*; Marl - brown, petroliferous.
4300 - 4320	Limestone - tan, brown, ostracodal; Sandstone - as above, *diminishing show*; Marl - as above.
4320 - 4340	Siltstone - light gray, calcareous, sandy, hard; Shale - medium gray, hard, calcareous, gritty, blocky; Some Sandstone - as above.
4340 - 4360	Sandstone - light gray, very fine grained, silty, angular, friable, tight, no show.
4360 - 4380	Sandstone - as above; Limestone - tan, brown, ostracodal.
4380 - 4400	As above; Shale - light gray, blocky, hard, calcareous; Marl - tan, brown, petroliferous.
4400 - 4420	No change.
4420 - 4440	Shale - medium gray, calcareous, hard; Marl - tan, brown, petroliferous; Shale - black, blocky, petroliferous.

LOG TOP, YELLOW 5 SANDSTONE 4442' (+1110')

4460 - 4480	Sandstone - white, light gray, very fine grained, silty, angular, calcareous, hard, tight, no show.
4480 - 4500	Sandstone - as above; Limestone - tan, brown, ostracodal.
4500 - 4520	Shale - light gray, calcareous, blocky, gritty to silty; Sandstone - as above; Marl - tan, brown, petroliferous.
4520 - 4540	Shale - as above; Some Sandstone - as above.

LOG TOP, YELLOW MARKER 4539' (+1013')

4540 - 4560	As above; Shale - black, blocky, petroliferous; Limestone - tan, fragmental.
4560 - 4580	Shale - light gray, hard, calcareous, blocky; Siltstone - light gray, calcareous, sandy; Some Shale - black, blocky.
4580 - 4600	Sandstone - light gray, very fine grained, silty, angular, friable, mostly loose grains; Shale - as before.
4600 - 4620	Shale - light gray, calcareous, hard, blocky.
4620 - 4640	As above; Limestone - tan, ostracodal.
4640 - 4660	As above; Limestone has spots of brown oil stain, faint golden fluorescence, slow streaming cut.
4660 - 4680	Shale - light gray, calcareous, blocky, hard; Siltstone - light gray, calcareous, sandy.
4680 - 4700	No change.

LOG TOP, DOUGLAS CREEK 4698' (+854')

4700 - 4720	No change.
4720 - 4740	Shale - as above; Marl - brown, petroliferous.
4740 - 4760	Sandstone - *mostly loose quartz grains, very fine to fine, silty, faint golden fluorescence, slow milky cut; slight light brown oil stain*; Shale - as above; Limestone - tan, brown, micritic.
4760 - 4780	Decrease in Sandstone.

LOG TOP, RED 2 SANDSTONE 4778' (+774)

4780 - 4800	As above, no show.
4800 - 4820	Shale - light gray, calcareous, hard, blocky, gritty; Siltstone - light gray, calcareous, sandy.

4820 - 4840	As above; Limestone - tan, brown, micritic, argillaceous.
4840 - 4860	Shale - light gray, calcareous, hard, blocky, gritty; Siltstone - as above.
4860 - 4880	Siltstone - light gray, calcareous, sandy, shaley.

LOG TOP, RED 5 SANDSTONE 4877' (+675')

4880 - 4900	As above, grading to Sandstone - light gray, very fine grained, silty, angular, calcareous, shaley in part, tight, *no show*.
4900 - 4920	No change.
4920 - 4940	No change.

LOG TOP, SECOND DOUGLAS CREEK 4938' (+614')

4940 - 4960	Siltstone - light gray, sandy, shaley, hard calcareous; Limestone - tan, brown, mircritic; Sample is covered with dark brown oil film and blotches. (contamination from uphole)
4960 - 4980	Limestone - as above; Siltstone - light gray; (Oil all over)
4980 - 5000	Siltstone and Limestone - as above.
5000 - 5020	Siltstone - light gray, sandy, calcareous, hard, tight; Shale - light gray, hard, blocky, calcareous. (Oil all over)

LOG TOP, GREEN 1 SANDSTONE 5026' (+526')

5020 - 5040	No change.
5040 - 5060	Sandstone - light gray, very fine grained, silty, angular, calcareous, hard, tight, *no show* (Oil contamination); Siltstone and Shale - and above.
5060 - 5080	Siltstone - as above; Some Sandstone and Shale - as above. (Film of brown oil all over)

LOG TOP, GREEN MARKER 5083' (+469')

5080 - 5100	Limestone - tan, brown, micritic, petroliferous; Siltstone and Shale - as above.

5100 - 5120	Siltstone - light gray, calcareous, slightly shaley, locally sandy, hard; Shale - medium gray, gritty to silty, hard, calcareous; Some Limestone - as above.
5120 - 5140	No change.
5140 - 5160	As above; Shale - dark gray, firm blocky, petroliferous.
5160 - 5180	Sandstone - light gray, very fine grained, sub-angular, silty, calcareous, hard, tight, *no show*; Shale - light gray, calcareous, hard, blocky, silty.
5180 - 5200	Shale - as above; Much Sandstone - as above.
5200 - 5220	As above; Sandstone - tan, very fine grained, angular to sub-rounded, very silty, poor porosity, brown oil saturation, *faint golden yellow fluorescence in dry sample, quick strong streaming cut*.

LOG TOP, GREEN 4 SANDSTONE 5223' (+329')

5220 - 5240	No change.
5240 - 5260	Sandstone - as above; *Show as above*.
5260 - 5280	Shale - light gray, calcareous, hard, blocky; Siltstone - light gray, calcareous, sandy.
5280 - 5300	No change.
5300 - 5320	Shale - black, hard, blocky, gritty, very petroliferous.
5320 - 5340	As above; Shale - light gray, calcareous, blocky, hard.
5340 - 5360	As above; Siltstone - light gray, calcareous, hard, sandy.
5360 - 5380	No change.
5380 - 5400	Shale - light gray, calcareous, hard, blocky; Shale - dark brown, blocky, petroliferous, pyritic; Limestone - tan, brown, micritic.
5400 - 5420	No change.
5420 - 5440	Shale - dark brownish gray, blocky, hard, petroliferous; Limestone - tan, brown, micritic, argillaceous; Claystone - light gray.

5440 - 5460	Shale - dark brown, black, blocky, petroliferous; Some Limestone - tan, brown, micritic.
5460 - 5480	No change.
5480 - 5500	Shale - dark brown, blocky, hard, petroliferous; Shale - medium gray, fine textured, hard, blocky to lumpy.
5500 - 5520	No change.
5520 - 5540	No change.

LOG TOP, WASATCH TONGUE 5552' (Sea Level)

5540 - 5560	Shale - black, blocky, petroliferous; Siltstone - light gray, sandy, shaley, hard, calcareous.
5560 - 5580	No change.
5580 - 5600	Shale - as above; Sandstone - white, very fine grained, angular, calcareous, silty, tight, *no show*.
5600 - 5620	Sandstone - as above, mostly loose grains, *no show*.
5620 - 5640	Siltstone - white, light gray, sandy, calcareous, partly shaley, hard; Shale - light gray, hard, calcareous, gritty.
5640 - 5660	Shale and Siltstone - as above; Some Sand grains as in 5600 - 5620.
5660 - 5680	Loose Sand grains and Shale - as above.
5680 - 5700	Shale - light gray, hard, blocky, gritty; Shale - black, gritty, blocky, petroliferous.
5700 - 5720	Shale - light gray, calcareous, fissile; Siltstone - light gray, sandy, calcareous.
5720 - 5740	Shale - as above; Loose quartz grains, very fine to fine, angular to sub-round, few amber grains, mostly clear.
5740 - 5760	No change.

5760 - 5780	Quartz grains - fine to silt-sized, rounded to angular; Some Shale - dark brown, petroliferous.
5780 - 5800	Shale - light gray, lumpy, gritty; Siltstone - light gray, very sandy.

Driller's Total Depth 5800'
Logger's Total Depth 5814'

November 5, 1993

M.K. Jones
Petroleum Geologist

GEOLOGIC WELL LOG

OPERATOR: BALCRON OIL
WELL: MONUMENT BUTTE FEDERAL No. 12-12J
COUNTY: DUCHESNE STATE: UTAH
SECTION: 12, TOWNSHIP 9S, RANGE 16E
QTR. SEC. SWNW, 1980, FNL , 660 FWL
KB 5552', GL 5542'
RIG: UNION #17
TOTAL DEPTH: 5800' STATUS: AWAITING COMP.
SPUD DATE: 10-9-93 COMP. DATE: UNKNOWN
PERFS: Unknown

GEOLOGIST: K. Jones

LITHOLOGIC SYMBOLS

Sandstone	Salt	Anhydrite
Conglomerate	Chert	Argillaceous
Siltstone	Coal	Calcareous
Shale	Igneous	Dolomitic
Marl	Volcanics	Fossiliferous
Limestone	Metamorphic	Glauconitic
Dolomite	Clay	Oolitic
Anhydrite		Plant Remains
		Pyrite
		Siliceous
		Stylolites
		Oil Shale

POROSITY & SHOW SYMBOLS

X	POOR	INTERPARTICLE POROSITY
XX	FAIR	
XXX	GOOD	
V	POOR	VUG POROSITY
VV	FAIR	
VVV	GOOD	
	POOR	OIL SHOWS
	FAIR	
	GOOD	
	POOR	GAS SHOWS
	FAIR	
	GOOD	

OPERATIONAL SYMBOLS

CORE

SIDEWALL CORE

DST

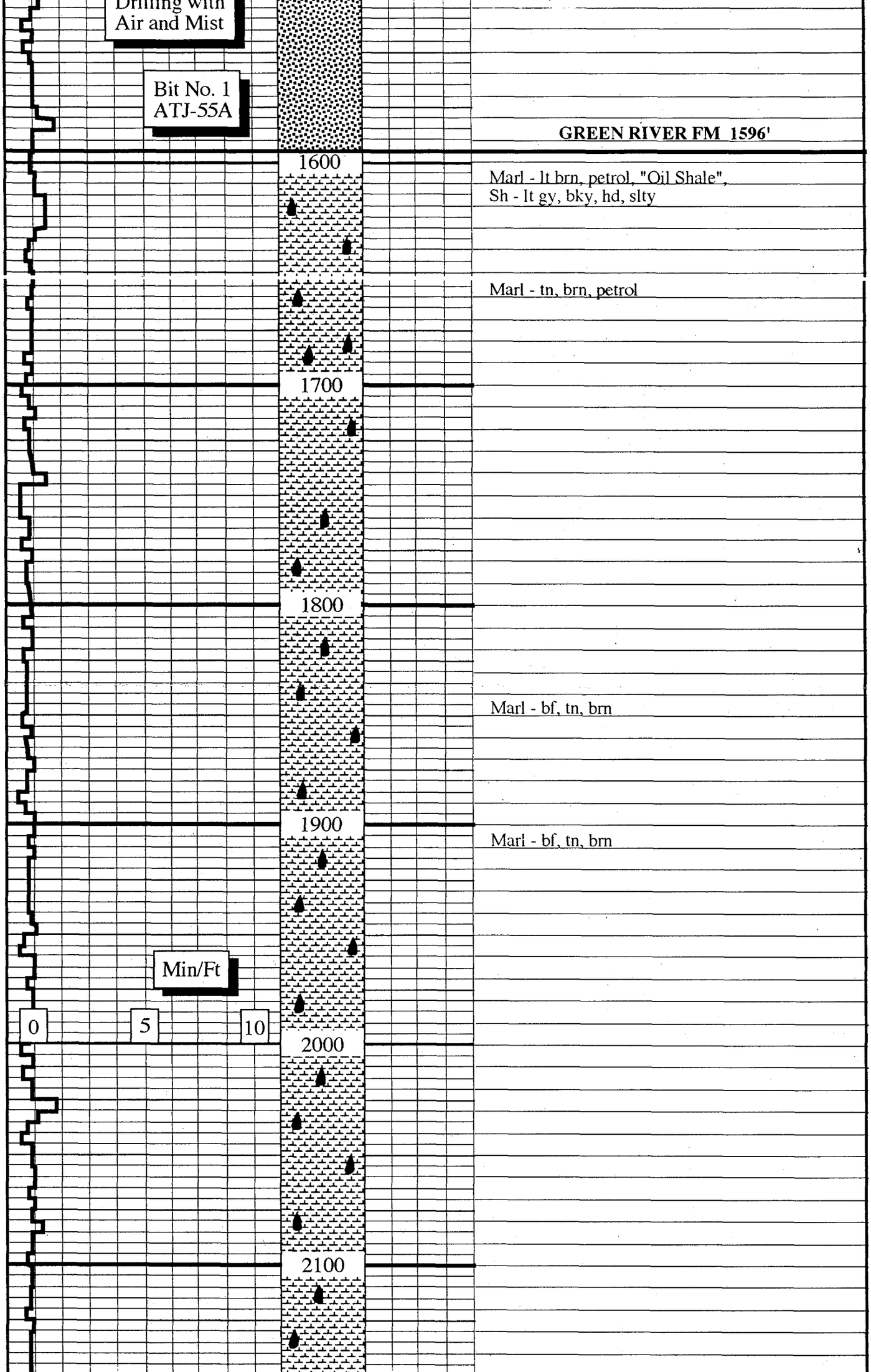
CASING SEAT

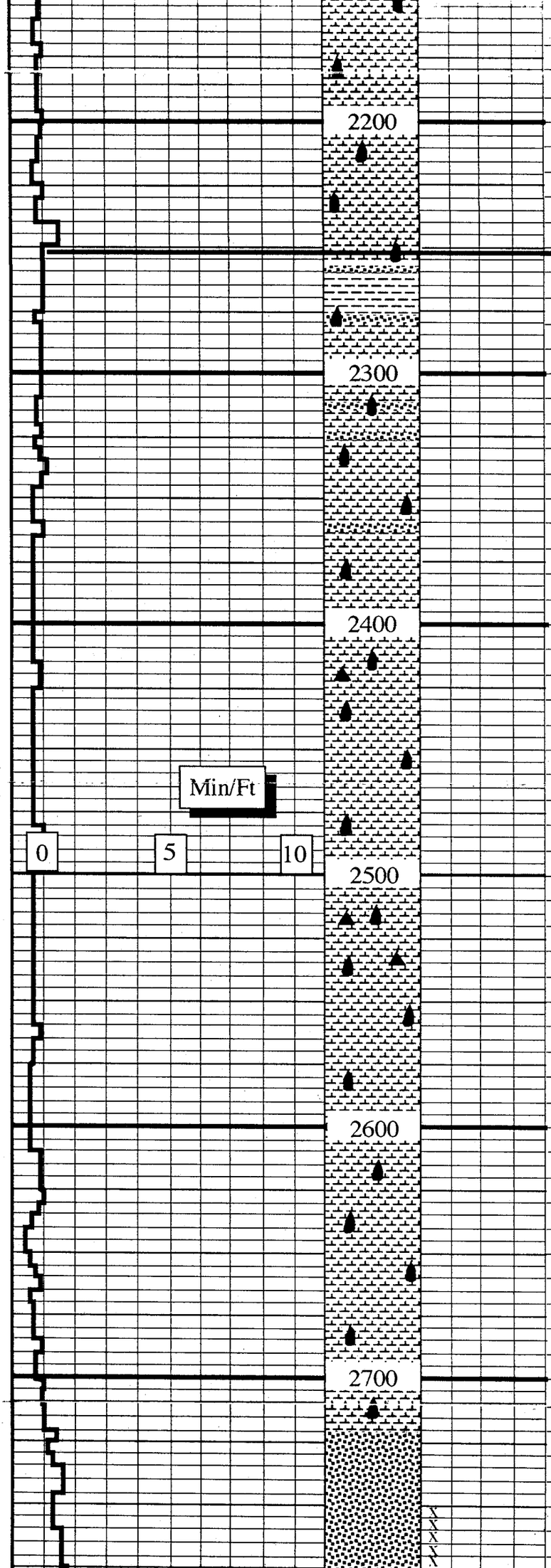
PERFORATIONS

SQUEEZED PERFS

GEOLOGIST: M.K. Jones FROM: 1500' TO: Total Depth

DRILL RATE Min/Ft ☒ Ft/Hr ☐	Poros	Shows	Core	Csg.	TEXT
0 5 10 1500					SS - lt gy, f g, ang-sb rnd, mic, cly-fld to silic,hd tite


Drilling with
Air and Mist
Bit No. 1
ATJ-55A
GREEN RIVER FM 1596'
1600
Marl - lt brn, petrol, "Oil Shale",
Sh - lt gy, bky, hd, slty
Marl - tn, brn, petrol
1700
1800
Marl - bf, tn, brn
1900
Marl - bf, tn, brn
Min/Ft
0
5
10
2000
2100



HORSESHOE BENCH 2252'

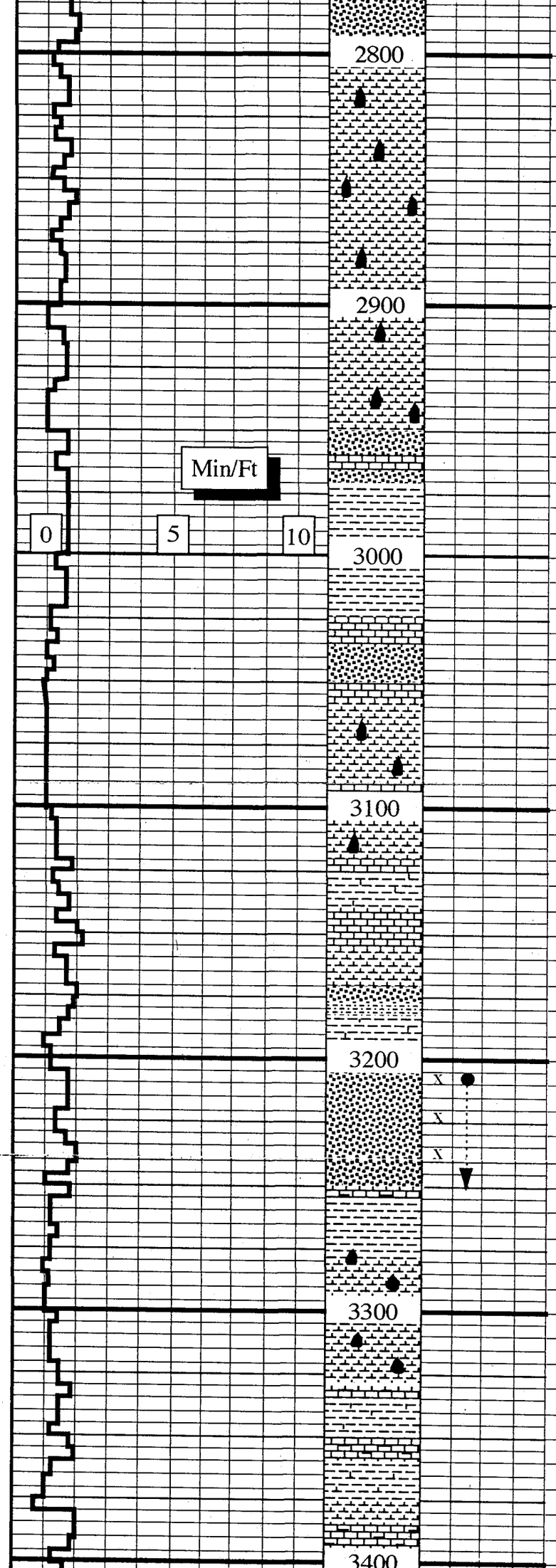
Tr Sh - md gy, blk, hd, calc
Tr SS - w, vfg, slty, ang, calc, tite

Tr Cht - mlky, wh

Tr Pyrite; Tr Cht

SS - lt gy, vfg, slty, ang, calc, tite,
sctd yell fluor, no ct, NS

SS - bf, lt gy, vf-fg, slty, ang, calc, sli shly
pr por, NS



Marl - tn, brn, petrol

SS - lt gy, vfg, slty, ang, calc, cly-fld, tite, NS;
Sh - md gy, calc, hd, blky, gry; Ls - tn, brn, mic

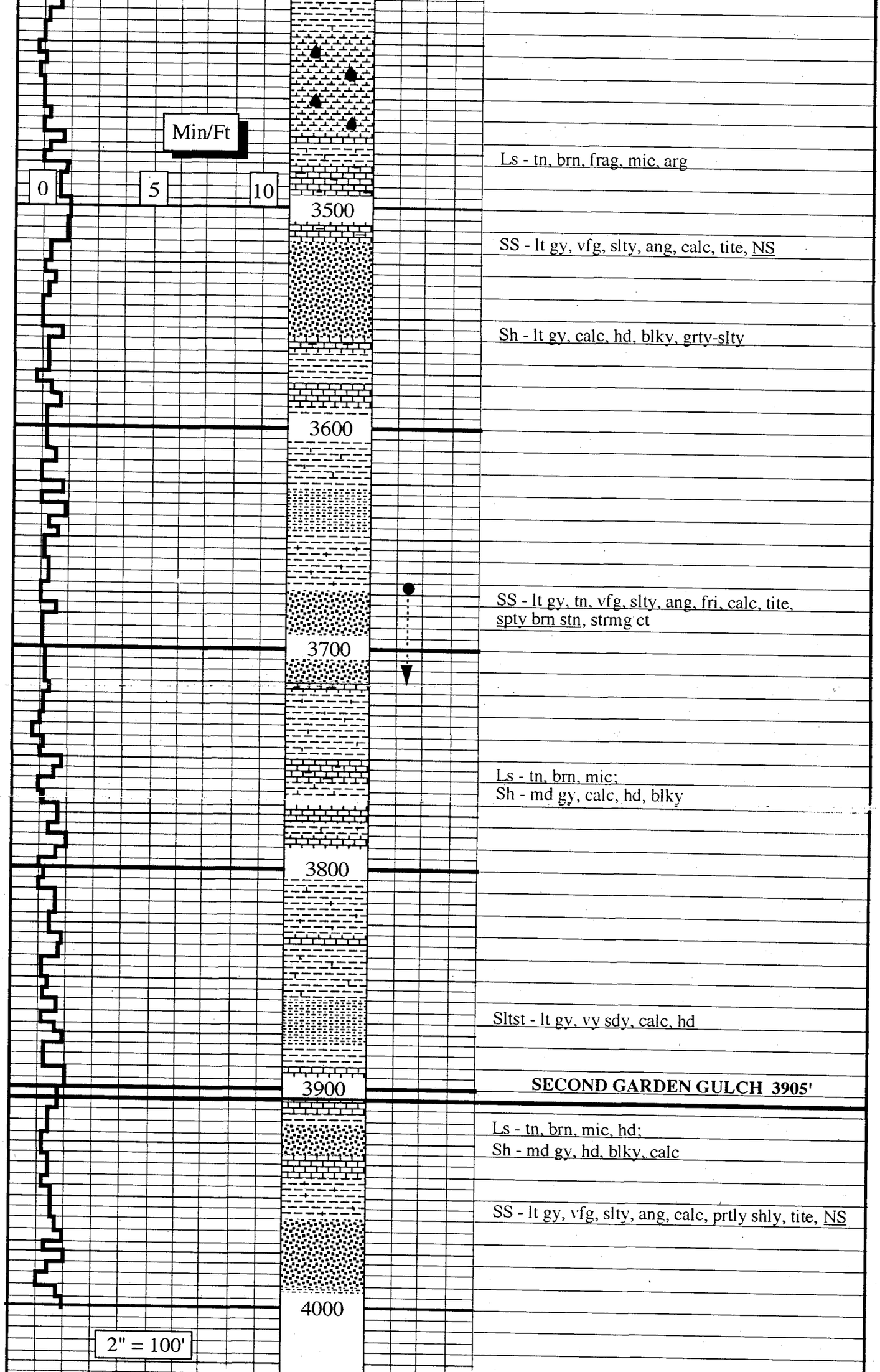
Ls - tn, brn, mic, petrol
Marl - tn, brn, petrol

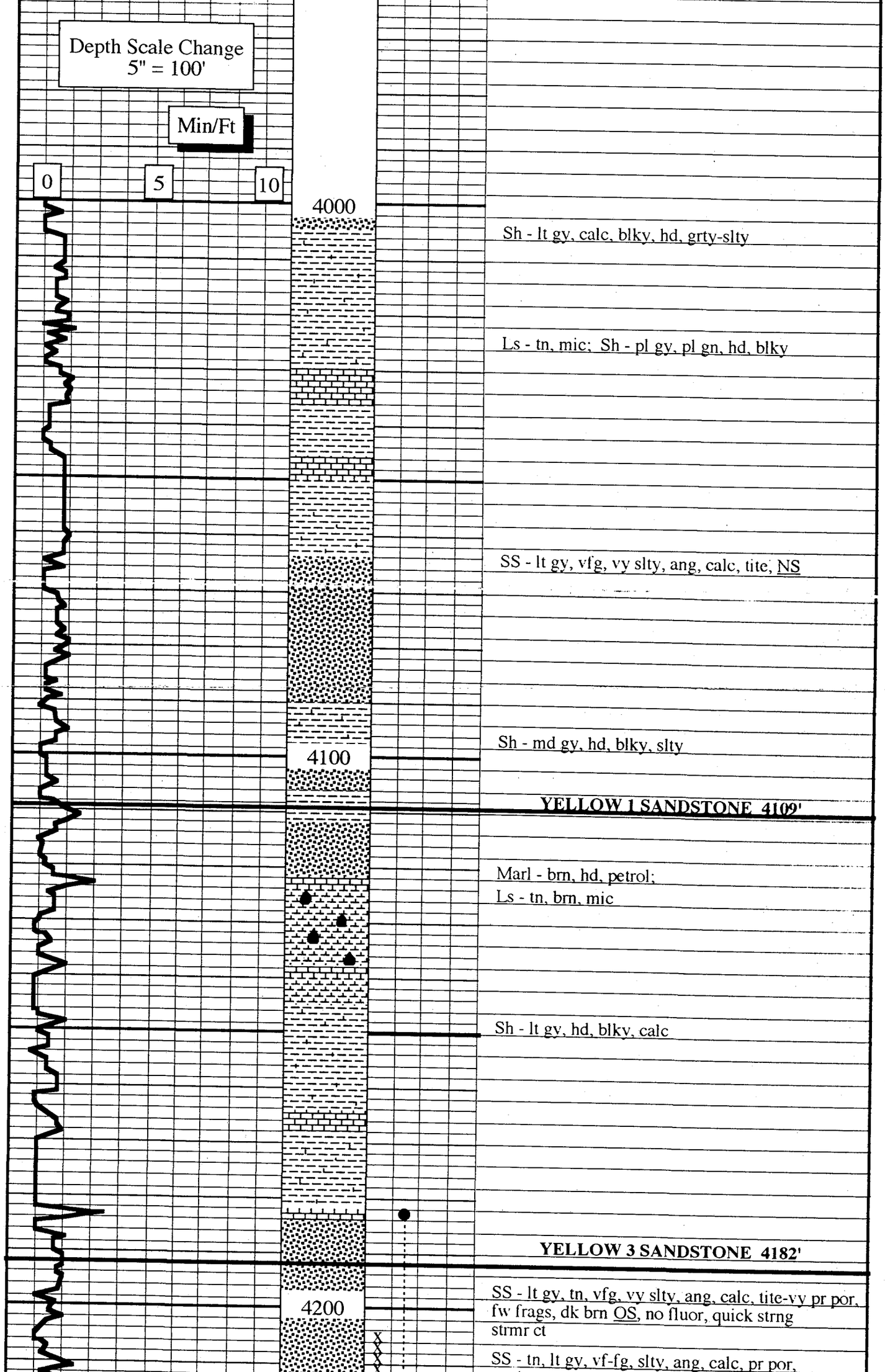
Sh - lt gy, calc, slty, hd, blky;
Ls - bf, tn, hd, slty;
Sltst - lt gy, calc, hd shly
SS - lt gy, vfg, ang, slty, calc, hd, tite

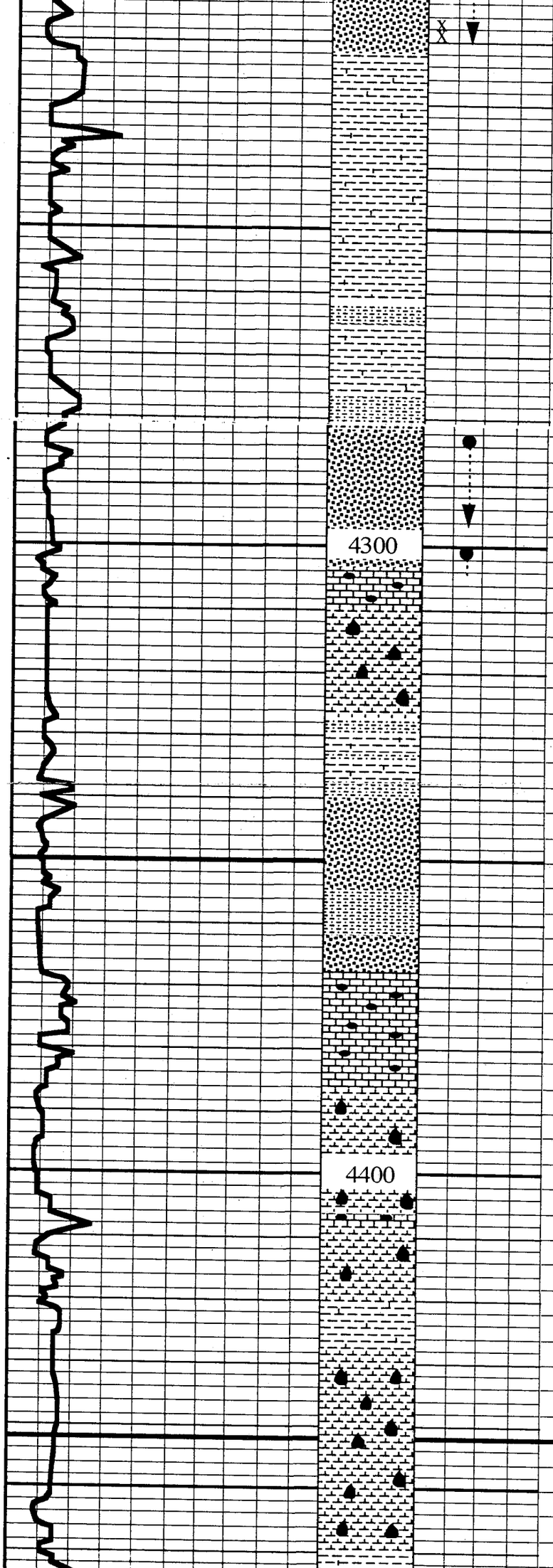
SS - lt gy, vfg, slty, ang, calc, tite, sptd dk brn OS,
slw wk strmr ct

Marl - tn, brn, blky, petrol;
Ls - bf, tn, brn, mic arg
Sh - lt-md gy, slty, calc, hd, blky

Incr gy sh


Min/Ft
0
5
10
3500
3600
3700
3800
3900
4000
2" = 100'
Ls - tn, brn, frag, mic, arg
SS - lt gy, vfg, slty, ang, calc, tite, NS
Sh - lt gy, calc, hd, blky, grty-slty
SS - lt gy, tn, vfg, slty, ang, fri, calc, tite,
spty brn stn, strmg ct
Ls - tn, brn, mic;
Sh - md gy, calc, hd, blky
Sltst - lt gy, vy sdy, calc, hd
SECOND GARDEN GULCH 3905'
Ls - tn, brn, mic, hd;
Sh - md gy, hd, blky, calc
SS - lt gy, vfg, slty, ang, calc, prtly shly, tite, NS


Depth Scale Change
5" = 100'
Min/Ft
0
5
10
4000
Sh - lt gy, calc, blky, hd, grty-slty
Ls - tn, mic; Sh - pl gy, pl gn, hd, blky
SS - lt gy, vfg, vy slty, ang, calc, tite, NS
Sh - md gy, hd, blky, slty
4100
YELLOW 1 SANDSTONE 4109'
Marl - brn, hd, petrol;
Ls - tn, brn, mic
Sh - lt gy, hd, blky, calc
YELLOW 3 SANDSTONE 4182'
SS - lt gy, tn, vfg, vy slty, ang, calc, tite-vy pr por, fw frags, dk brn OS, no fluor, quick strng strmr ct
4200
SS - tn, lt gy, vf-fg, slty, ang, calc, pr por,



Sh - lt gy, hd, blky, calc, slty, ostracods

Sltst - lt gy, calc

SS - lt gy, vf-fg, ang, fri, calc, tite, sctd dk brn OS, no fluor, quick strng strmr ct

Marl - brn, petrol

Ls - tn, brn, ostracodal

Sltst - lt gy, calc, sdy, hd; Sh - md gy, hd, calc, grty, blky

SS - lt gy, vfg, slty, ang, fri, tite, NS

Ls - tn, brn, ostracodal

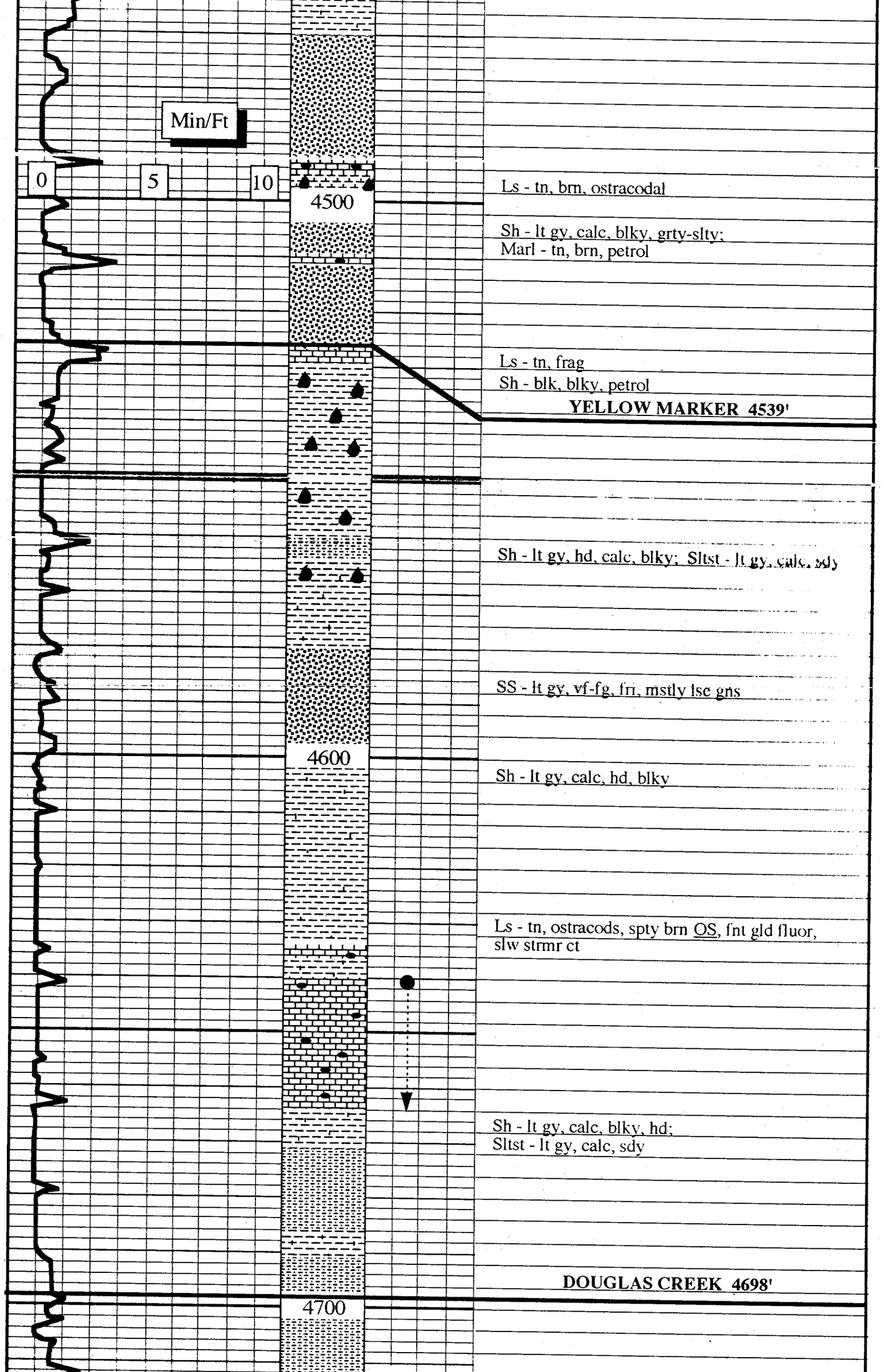
Sh - lt gy, blky, hd, calc; Marl - tn, brn, petrol

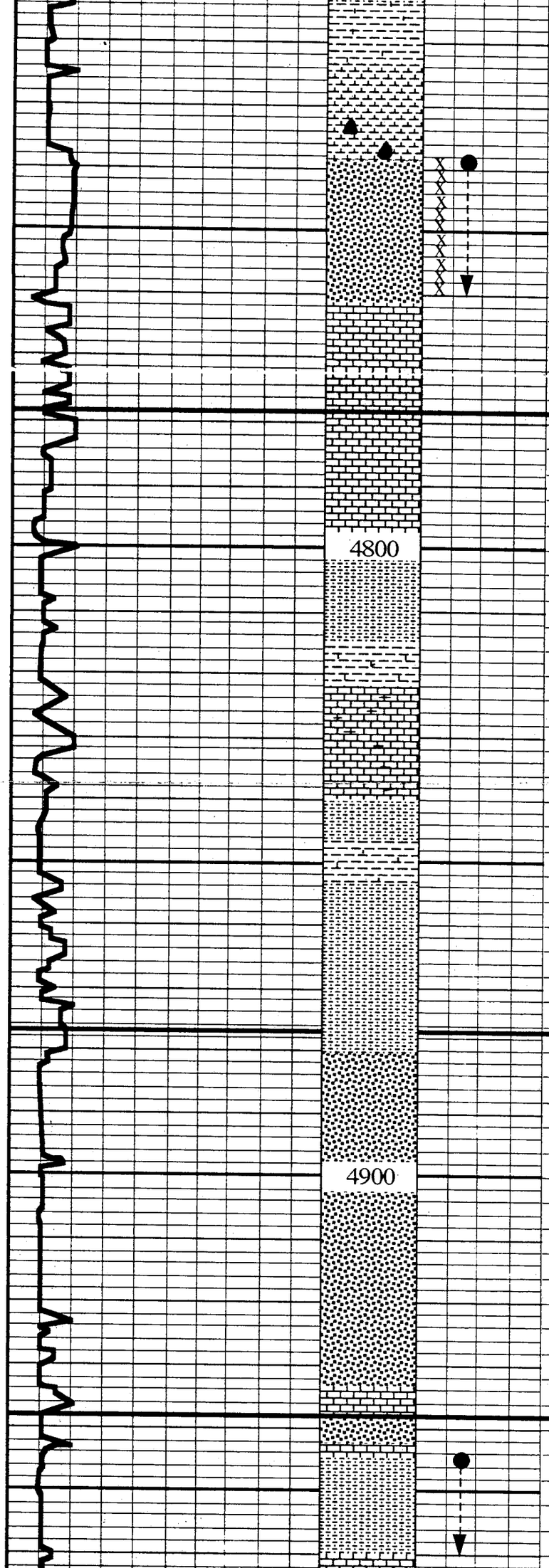
Sh - md gy, calc, hd; Marl - tn, brn, petrol

Sh - blk, blky, petrol

YELLOW 5 SANDSTONE 4442'

SS - whl, lt gy, vfg, slty, ang, calc, hd, tite, NS


Min/Ft
0
5
10
4500
Ls - tn, brn, ostracodal
Sh - lt gy, calc, blky, grty-slty;
Marl - tn, brn, petrol
Ls - tn, frag
Sh - blk, blky, petrol
YELLOW MARKER 4539'
Sh - lt gy, hd, calc, blky; Sltst - lt gy, calc, sdy
SS - lt gy, vf-fg, fri, mstly lsc gns
4600
Sh - lt gy, calc, hd, blky
Ls - tn, ostracods, spty brn OS, fnt gld fluor,
slw strmr ct
Sh - lt gy, calc, blky, hd;
Sltst - lt gy, calc, sdy
DOUGLAS CREEK 4698'
4700



Marl - brn, petrol

SS - mstly lse gns, vf-fg, slty, fnt gld fluor, milky ct, sli lt brn stn

Ls - tn, brn, mic

RED 2 SANDSTONE 4778'

Ls - tn, brn, mic, arg

Sh - lt gy, calc, hd, blky, grty;
Sltst - lt gy, calc, sdy

Sltst - lt gy, calc, sdy, shly

RED 5 SANDSTONE 4877'

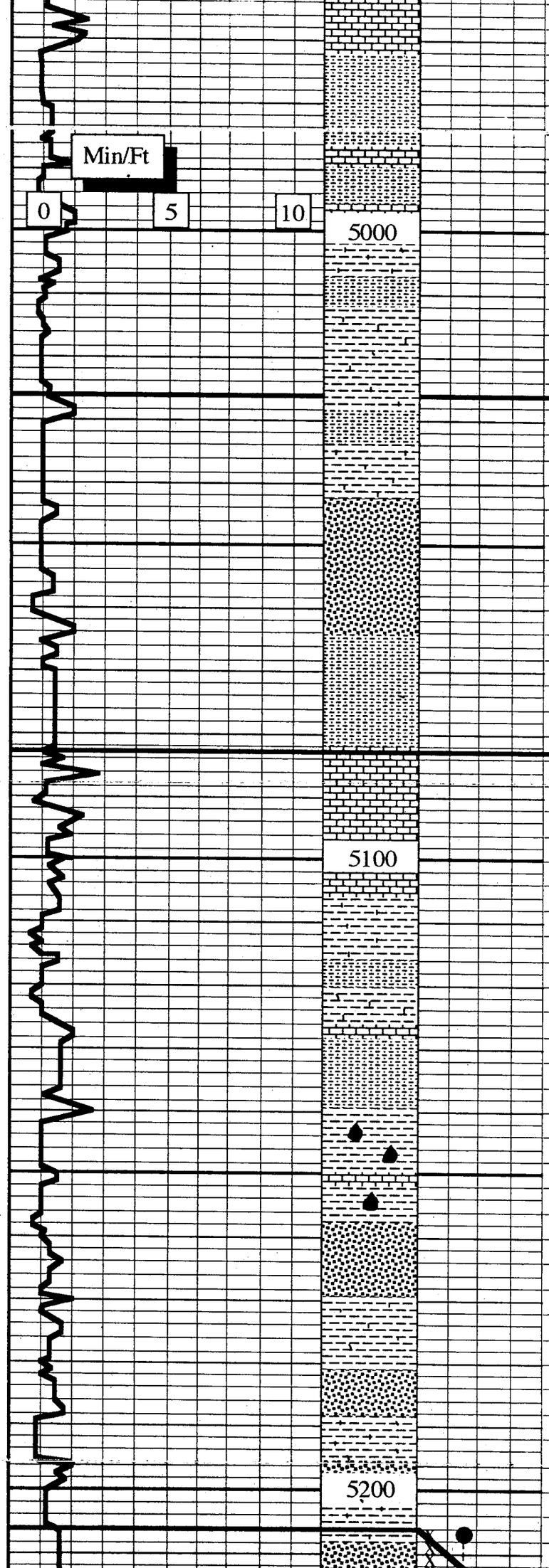
SS - lt gy, vf-fg, vy slty, ang, calc, shly in pt, tite, NS

Ls - tn, brn, mic

SECOND DOUGLAS CREEK 4938'

Sltst - lt gy, sdy, shly, hd, calc

Oil on pits, all over samples, NS in samples



Sltst - lt gy, sdy, calc, hd; Sh - lt gy, hd, blky

GREEN 1 SANDSTONE 5026'

SS - lt gy, vfg, slty, ang, calc, hd, tite, NS

GREEN MARKER 5083'

Ls - tn, brn, mic, petrol

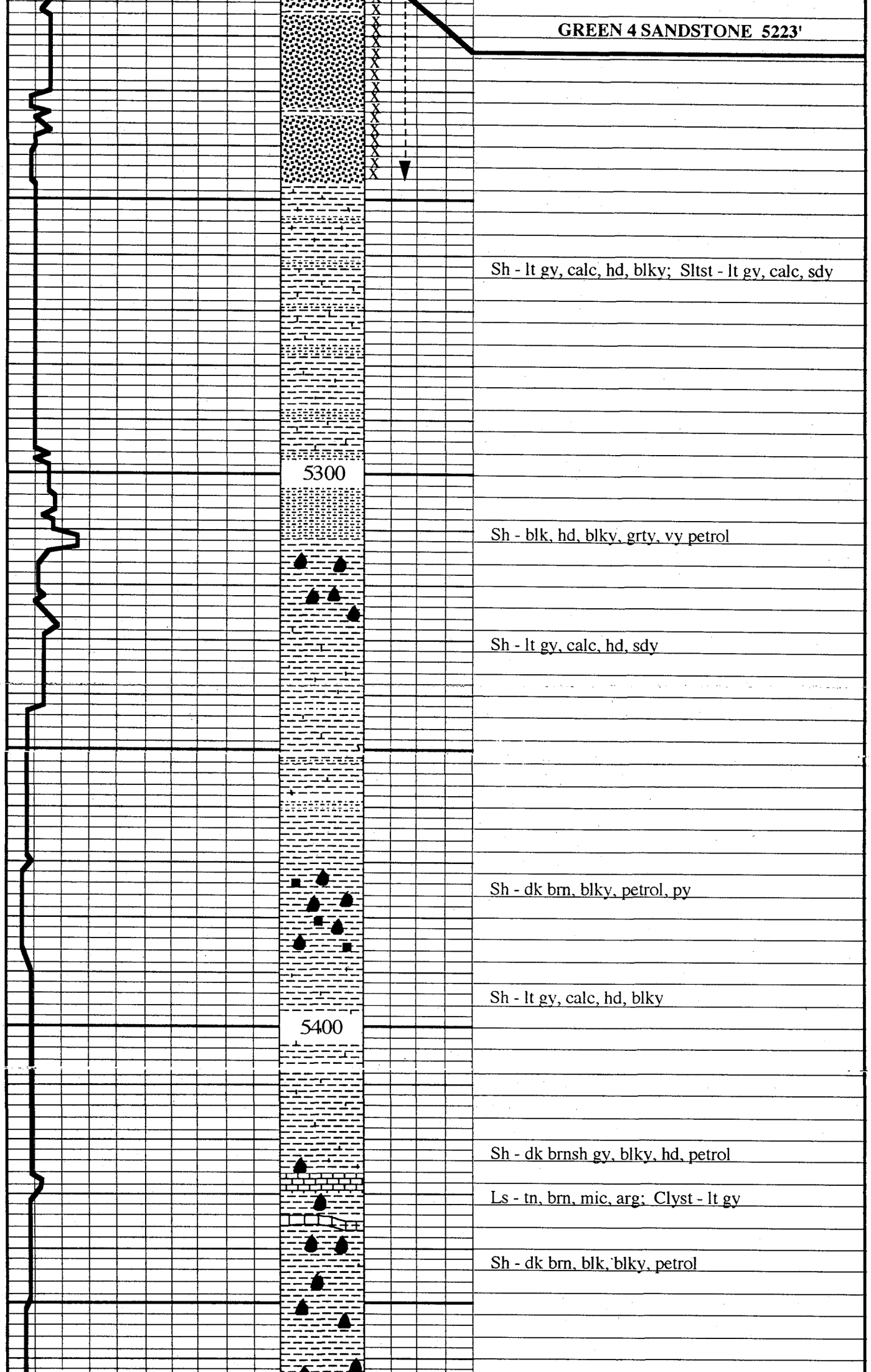
Sltst - lt gy, calc, sli shly, lcly sdy, hd;
Sh - md gy, grty-slty, hd, calc

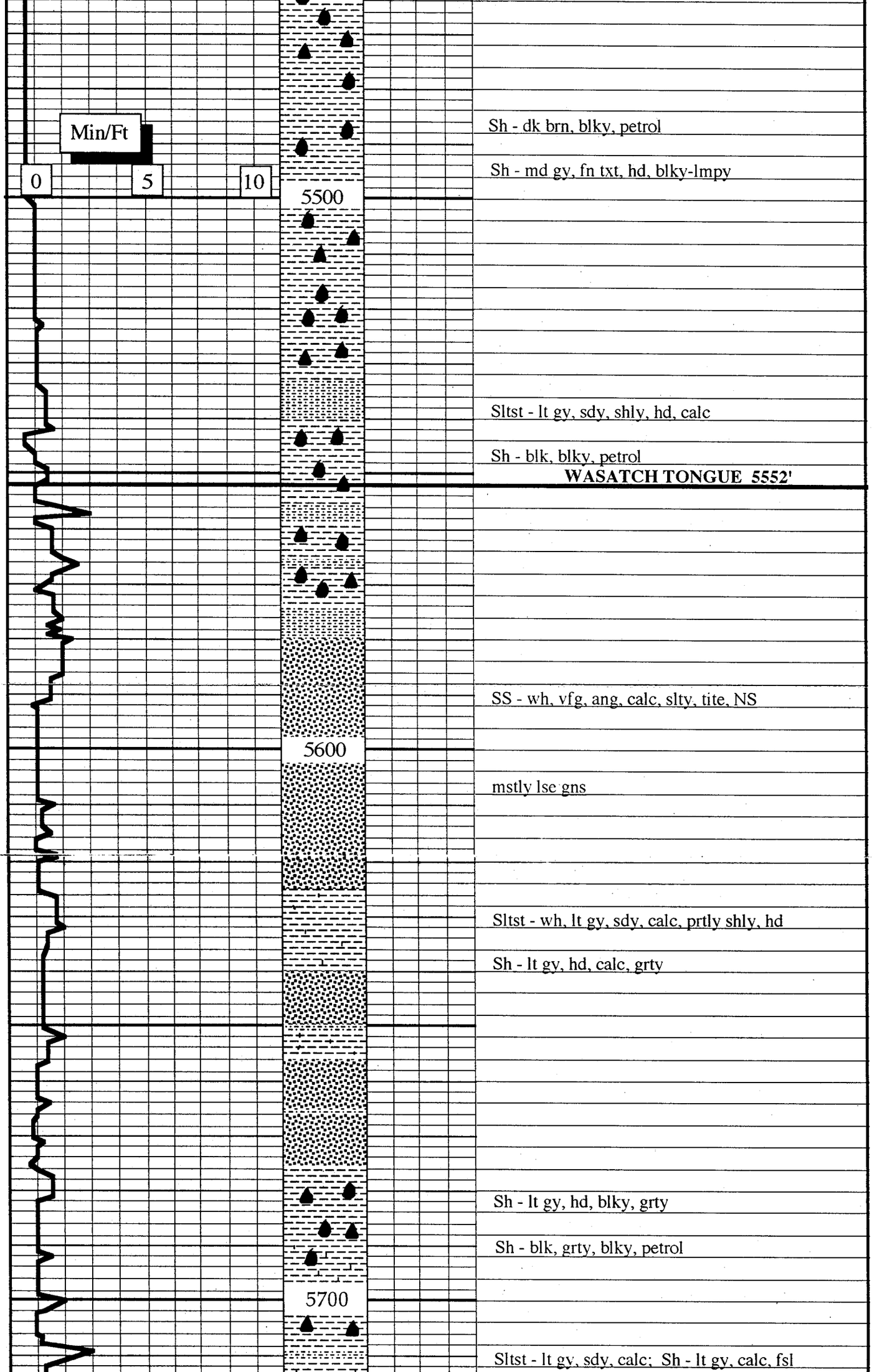
Sh - dk gy, frm, blky, petrol

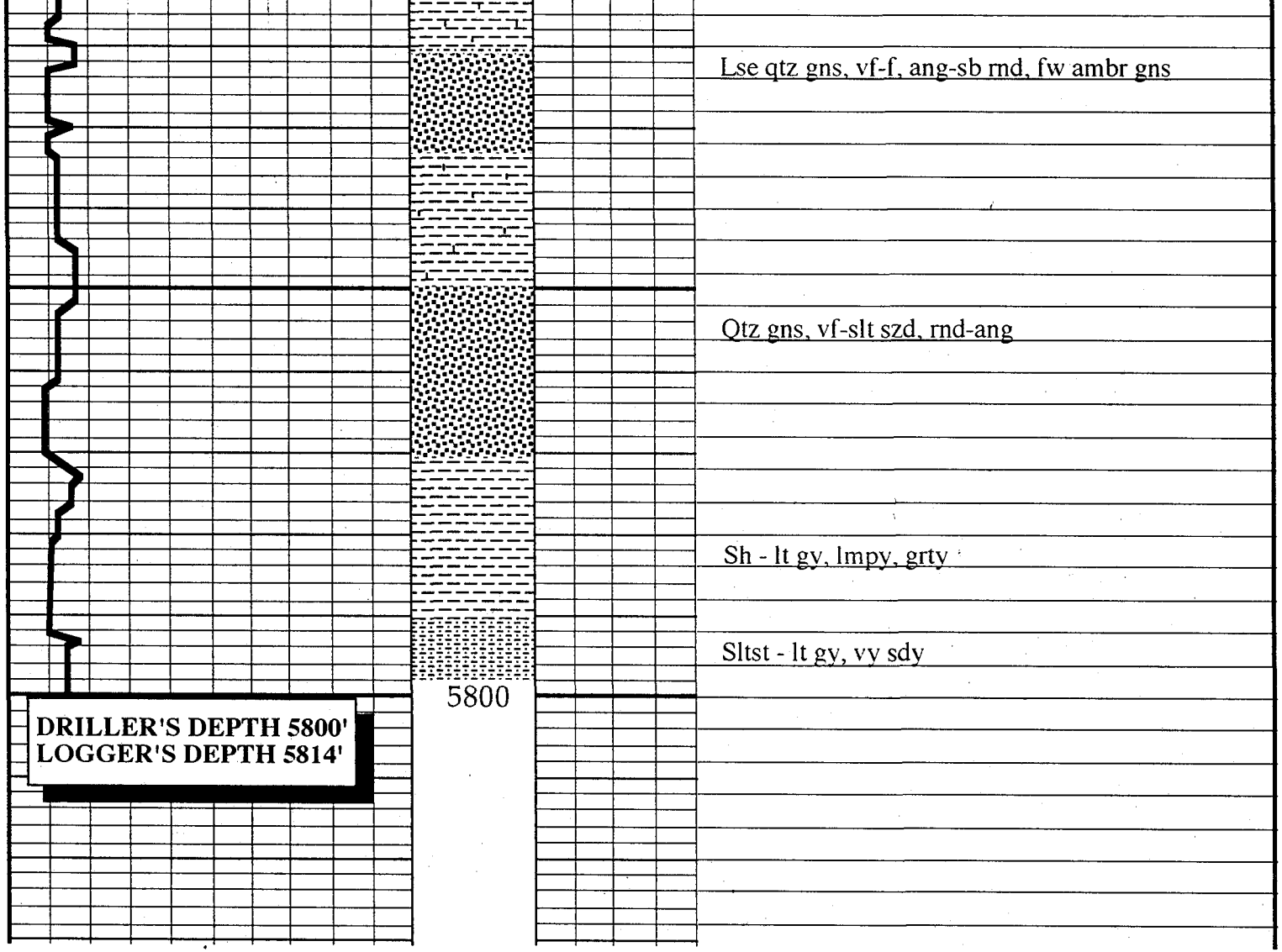
SS - lt gy, vfg, sb-ang, slty, calc, hd, tite, NS

Sh - lt gy, calc, hd, slty, blky

SS - tn, vfg, ang-sb rnd, vy slty, pr por, brn OS ,
fnt gld yel fluor, quick strng strmr ct


GREEN 4 SANDSTONE 5223'
Sh - lt gy, calc, hd, blky; Sltst - lt gy, calc, sdy
5300
Sh - blk, hd, blky, grty, vy petrol
Sh - lt gy, calc, hd, sdy
Sh - dk brn, blky, petrol, py
Sh - lt gy, calc, hd, blky
5400
Sh - dk brnsh gy, blky, hd, petrol
Ls - tn, brn, mic, arg; Clyst - lt gy
Sh - dk brn, blk, blky, petrol


Min/Ft
0
5
10
5500
5600
5700
Sh - dk brn, blky, petrol
Sh - md gy, fn txt, hd, blky-lmpy
Sltst - lt gy, sdy, shly, hd, calc
Sh - blk, blky, petrol
WASATCH TONGUE 5552'
SS - wh, vfg, ang, calc, slty, tite, NS
mstly lse gns
Sltst - wh, lt gy, sdy, calc, prtly shly, hd
Sh - lt gy, hd, calc, grty
Sh - lt gy, hd, blky, grty
Sh - blk, grty, blky, petrol
Sltst - lt gy, sdy, calc; Sh - lt gy, calc, fsl


Lse qtz gns, vf-f, ang-sb rnd, fw ambr gns
Qtz gns, vf-slt szd, rnd-ang
Sh - lt gy, lmpy, grty
Sltst - lt gy, vy sdy
5800
DRILLER'S DEPTH 5800'
LOGGER'S DEPTH 5814'

DAILY OPERATING REPORT

DATE: 11/8/93

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---

11-6-93 TD: 5,800' (0') Day 7
Formation: Green River
Present Operation: RDMO
Finish TOH, RU Halliburton logging & log well. TIH & LD drill pipe & collars. RU casers & run 5-1/2" csg. Circ, cmt by Halliburton. Set slips, ND BOP, & clean mud tanks. Csg as follows:

Guide Shoe	.60'
1 jt 5-1/2" shoe jt	43.19'
Float collar	1.10'
132 jts 5-1/2" 15.5#, K-55	5723.70'
Land jt	9.00'
Csg set @	5777.59'

PBTD - 5732', 20 centralizers.
Cmt by Halliburton w/220 sxs Hyfill & tail w/290 sxs 50-50 POZ. Plug down @ 1:30 a.m. 11-6-93. Rig released @ 5:30 a.m. 11-6-93.
Dc: $64,054 CC: $170,039

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
PTD: 5,850' Green River Oil - Dev.

---TIGHT HOLE---

10-11/18-93 Building location.

10-19-93 MIRU Leon Ross & start surface hole.

10-20-93 Leon Ross broke down.

10-21-93 Finish surface hole.
DC: $18,796 CC: $18,796

10-22-93 Ran surface csg & cmt by Dowell as follows:

Guide shoe	.65'
1 jt 8-5/8" 24# shoe jt	44.65'
Baffel plate	------
7 jts 8-5/8" 24#, J-55 csg	314.10'
Rubber top plug	359.40'
Csg set @	356' GL
Union Drilling KB (10')	366' KB, 3 centralizers.

Cmt w/180 sxs "G" w/2% CCl & 1/4#/sx celoflake. 5 bbls cmt back to pit. Plug down @ 1 p.m. on 10-22-93.
DC: $11,622 CC: $30,418

KTECH

WELL SITE GEOLOGY
WELL LOGGING
CONSULTING

Final Report

BALCRON OIL
BALCRON MONUMENT FEDERAL #12-12-J
(SW/NW) SECTION 12, T9S, R16E
DUCHESNE COUNTY, UTAH

2913 HERMOSA CT. • GRAND JUNCTION, COLORADO 81504 • (303) 241-9351

KTECH
GEOLOGY, MUD LOGGING
CONSULTING

November 11, 1993

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

Mr. VanDelinder:

Enclosed is the final log for your BALCRON MONUMENT FEDERAL #12-12J 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

John Kuykendall

2913 Hermosa Ct. · Grand Junction, Colorado 81504 · (303) 241-9351

DEVIATION SURVEYS

WELL NAME	BALCRON MONUMENT FEDERAL #12-12J	ELEVATION	5542' GL - 5552' KB
COMPANY	BALCRON OIL	SECTION	12, T9S, R16E
CONTRACTOR	UNION DRLG. INC. #17	LOCATION	DUCHESNE COUNTY, UTAH
SPUD DATE	10/30/93	TD DATE	11/5/93

DEPTH	DEV.	DEPTH	DEV.	DATE	DEPTH	FOOTAGE	DATE	DEPTH	FOOTAGE
1807'	1°			10/31/93	424'	1226'			
2243'	1¼°			11/1/93	1650'	1274'			
2743'	3°			11/2/93	2924'	983'			
3240'	1½°			11/3/93	3907'	907'			
3740'	2½°			11/4/93	4814'	982'			
4240'	1 3/4°			11/5/93	5796'	4'			
4752'	2¼°								

BIT RECORD

WELL NAME BALCRON MONUMENT FEDERAL #12-12J

ELEVATION 5542' GL - 5552' KB

COMPANY BALCRON OIL

SECTION 12, T9S, R16E

CONTRACTOR UNION DRLG. INC. #17

LOCATION DUCHESNE COUNTY, UTAH

SPUD DATE 10/30/93

TD DATE 11/5/93

BIT #	SIZE	MAKE	TYPE	DEPTH IN	DEPTH OUT	FOOTAGE	HOURS	FT/HR
NB #1	7 7/8"	HTC	ATJ-55A	276'	5800'	5524'	80.00	69.1

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 1 **FORMATION** GREEN RIVER

INTERVAL: FROM 3650' TO 3750'

DRILL RATE: ABV 4 - 7 MIN/FT THRU 4 - 7 MIN/FT BELOW 4 - 7 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	5	9	1				
DURING	5	9	1				
AFTER	5	9	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 40%

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 qtz,wh,hd,vfgr,ang,msrtd,p intergran por

SAMPLE QUALITY GOOD

REMARKS NO DRLG BREAK, NO GAS INCREASE, POOR POROSITY, GOOD OIL STN IN 40% OF SS, GOOD BLEEDING CUT IN 100% OF SS W/ OIL STN.

NOTIFIED M.K. JONES @ 07:00 **HRS. DATE** 11/3/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 2 **FORMATION** GREEN RIVER

INTERVAL: FROM 4206' TO 4218'

DRILL RATE: ABV .6 MIN/FT THRU 1.4 MIN/FT BELOW .9 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	11	15	1				
DURING	11	15	1				
AFTER	11	15	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 100%

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 m-dkbrn stn,clr & ltgy ip,sl glsy ip,vf-fgr,sbang-rnd,calc,fri

SAMPLE QUALITY GOOD

REMARKS NO FLO, FAST - MOD STRM CUT. NO ASSOCIATED GAS.

NOTIFIED M. K. JONES @ 17:00 **HRS. DATE** 11/3/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 3 **FORMATION** GREEN RIVER

INTERVAL: FROM 4636' TO 4640'

DRILL RATE: ABV .7 MIN/FT THRU 1.5 MIN/FT BELOW .6 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	12	17	2				
DURING	12	17	2				
AFTER	12	17	2				

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 20%

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 INTERCRYSTALLINE

LITHOLOGY LS lt-mcrm,brn,frm,micxln,abnt ostracod

SAMPLE QUALITY GOOD

REMARKS NO DRLG BREAK, REVERSE DRLG BREAK, NO GAS INCREASE, P FLO,G O STN,EXCELLENT CUT IN 100% OF O STN

NOTIFIED M.K. JONES @ 07:00 **HRS. DATE** 11/4/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 5 **FORMATION** GREEN RIVER

INTERVAL: FROM 4738' TO 4745'

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

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	14	13	2				
DURING	14	13	2				
AFTER	14	13	2				

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 50%

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 qtz,wh,ltgy,frm,mfri,vfgr,sbang,msrtd,vslty & uncon

SAMPLE QUALITY GOOD

REMARKS VDULL YEL FLO. SLOW MLKY CUT

NOTIFIED M. K. JONES @ 07:00 **HRS. DATE** 11/4/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 4 **FORMATION** GREEN RIVER

INTERVAL: FROM 5006' TO 5012'

DRILL RATE: ABV 1.3 MIN/FT THRU .6 MIN/FT BELOW .9 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	17	17	1				
DURING	160	65	9	13	2		
AFTER	65	22	9	6	2		

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: _____

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

POROSITY: POOR ☒ FAIR ☐ GOOD ☐ KIND INTERGRANULAR

LITHOLOGY SS lt-mgy,dkbrn,sl bent ip,tr pyr spcs,calc,plty-blky,frm

SAMPLE QUALITY GOOD

REMARKS GAS APPEARS TO BE FROM PRODUCED ZONE, NOT AS MUCH C1 & C2 AS EXPECTED. NO OIL FOUND IN SAND,BUT OIL FOUND IN SAMPLE BUCKET & FOLLOWING SAMPLES.

NOTIFIED M.K. JONES @ 07:15 **HRS. DATE** 11/4/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 6 **FORMATION** GREEN RIVER

INTERVAL: FROM 5205' **TO** 5214'

DRILL RATE: ABV .5 MIN/FT **THRU** 1.2 MIN/FT **BELOW** 1.4 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	25	12	5	4	2		
DURING	270	200	80	30	8		
AFTER	135	60	32	14	3		

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: DULL YEL **% IN SHOW LITHOLOGY** 50%

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,lt-mbrn stn,fgr,sbang-rnd,uncon

SAMPLE QUALITY GOOD

REMARKS 50% DULL YEL FLO, MOD STRM CUT

NOTIFIED M.K. JONES @ 10:00 **HRS. DATE** 11/4/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 7 **FORMATION** GREEN RIVER

INTERVAL: FROM 5536' TO 5542'

DRILL RATE: ABV .75 MIN/FT THRU 1½ MIN/FT BELOW .75 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	55	35	16	8	4		
DURING	55	35	16	8	4		
AFTER	55	35	16	8	4		

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 INTERGRANULAR

LITHOLOGY SLTST qtz,ltgy,sft,com mica,COM O STN, N FLO, G FAST STRM CUT

SAMPLE QUALITY GOOD

REMARKS N GAS INCREASE, SL DRLG RATE INCR (HARDER ROCK), N FLO, COM O STN, G CUT

NOTIFIED M.K. JONES @ 07:00 **HRS. DATE** 11/5/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 8 **FORMATION** GREEN RIVER

INTERVAL: FROM 5562' TO 5566'

DRILL RATE: ABV 1.5 MIN/FT THRU 2 MIN/FT BELOW 1.5 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	55	35	16	8	4		
DURING	55	35	16	8	4		
AFTER	55	35	16	8	4		

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 INTERGRANULAR

LITHOLOGY SS qtz,wh-ltgybrn,uncon-frm,vf-fgr,sbrnd,m-psrtd,m slty,p-f por,COM O STN, N FLO,G MKY CUT **SAMPLE QUALITY** GOOD

REMARKS N GAS INCREASE, N FLO, P-F POR,COM O STN, G MKY CUT,

NOTIFIED M.K. JONES @ 07:00 **HRS. DATE** 11/5/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 9 **FORMATION** GREEN RIVER

INTERVAL: FROM 5664' TO 5668'

DRILL RATE: ABV 1 MIN/FT THRU .75 MIN/FT BELOW 1 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	55	35	16	8	4		
DURING	55	35	16	8	4		
AFTER	55	35	16	8	4		

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 5%

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 INTERGRANULAR

LITHOLOGY SS qtz,wh,sft,vfri,fgr,sbang,m-wsrtd,occ mica,g por,OCC O STN, OCC YEL FLO, OCC FAIR MOD-FAST STRM CUT **SAMPLE QUALITY** GOOD

REMARKS N GAS INCR, 4' ZONE ?, G POR, OCC FLO, OCC O STN, OCC FAIR CUT

NOTIFIED M.K. JONES @ 07:00 **HRS. DATE** 11/5/93

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 #12-12J

LOCATION 1980' FNL, 660' FWL, (SW/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 10 **FORMATION** GREEN RIVER

INTERVAL: FROM 5734' **TO** 5750'

DRILL RATE: ABV .75 MIN/FT **THRU** 1½ MIN/FT **BELOW** 1 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	40	25	12	6	4		
DURING	40	25	12	6	4		
AFTER	40	25	12	6	4		

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: GN YEL % IN SHOW LITHOLOGY 10%

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 qtz,ltgy,sft,vfri,vfgr,occ fgr,sbrnd,m-psrtd,vslty,grdg to sltst ip,p-f por,COM O STN,
OCC GN YEL FLO, OCC FAIR MOD-FAST STRM CUT **SAMPLE QUALITY** GOOD

REMARKS N GAS INCREASE, POOR-FAIR POR, SLTY,COM O STN, OCC FLO, FAIR CUT

NOTIFIED M.K. JONES @ 07:00 **HRS. DATE** 11/5/93

ZONE DESCRIBED BY ZEKE CARTER

KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, CO 81504 ● (303) 241-9351

COMPANY BALCRON OIL	LOCATION 1980' FNL, 660' FWL, (SW/NW) SECTION 12, T9S, R16E		FROM / TO
WELL BALCRON MONUMENT FEDERAL #12-12J	COUNTY DUCHESNE	DEPTH LOGGED	1500' / 5800'
FIELD JONAH UNIT	STATE UTAH	DATE LOGGED	10/31/93 / 11/5/93
ELEVATION 5542' GL - 5552' KB	DRILLING FLUID AIR MIST, SURFACE - TD	ENGINEERS	JOHN KUYKENDALL ZEKE CARTER

SHALE · DOLOMITE · COAL
SANDSTONE · CHERT · ANHY-GYP
LIMESTONE · SALT · SILTSTONE

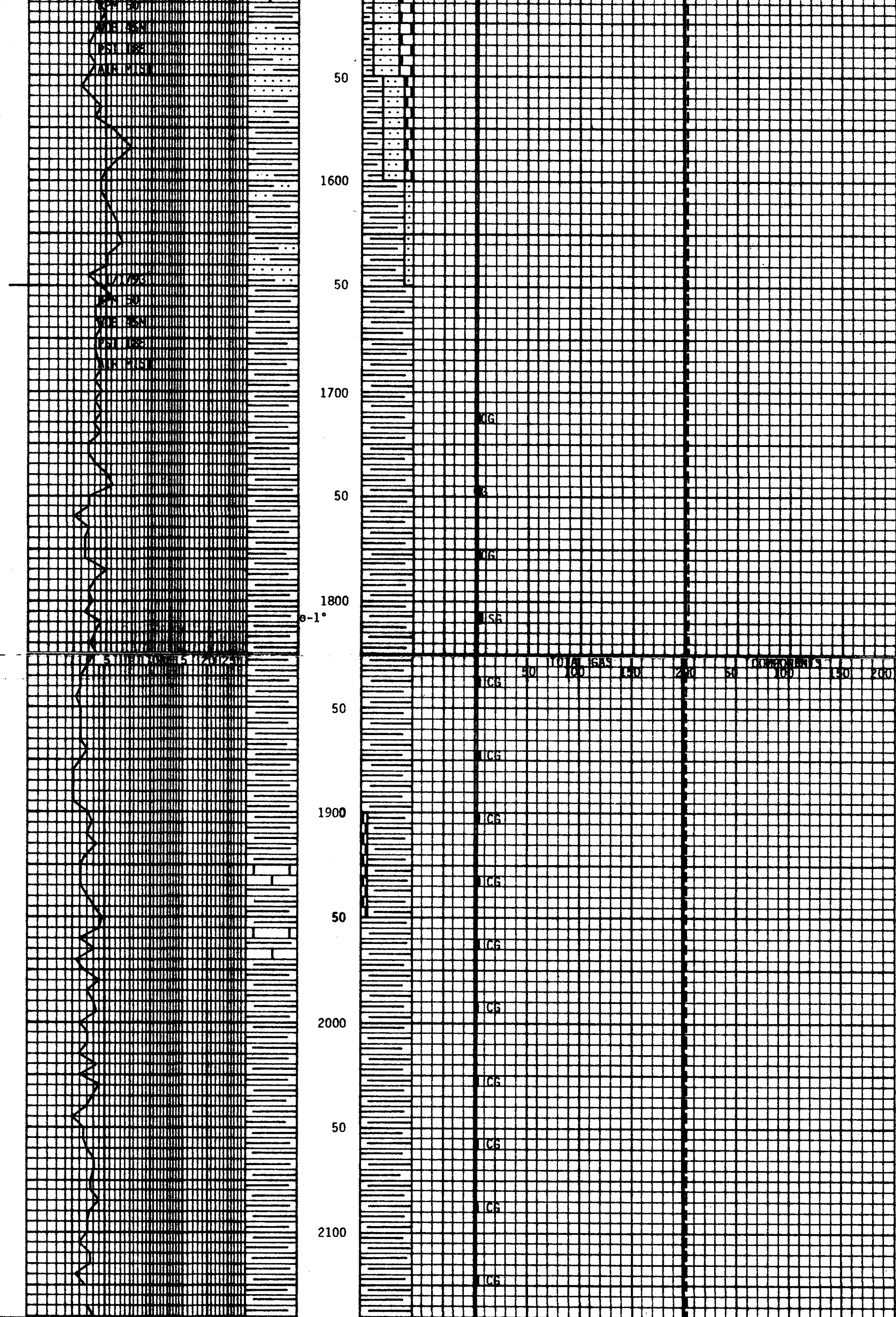
OIL SHOW: POOR · FAIR · GOOD

CORE NO.
DST NO.

O - DEVIATION
S - SHOW REPORT

NB - NEW BIT
RR - RERUN BIT
NR - NO RETURNS
CO - CIRCULATE OUT
NS - NO SAMPLE
TG - TRIP GAS
CG - CONNECTION GAS
DTG - DOWN TIME GAS
LAT - LAGGED AFTER TRIP

DRILLING RATE IN (MIN/FT □ MIN/2 FT □ MIN/5 FT ☒)	LITHOLOGY: INTERPRETIVE	DEPTH	PERCENTAGE	OIL SHOW P F G	POROSITY P F G	TOTAL GAS & CHROMATOGRAPH HYDROCARBONS IN UNITS (TOTAL GAS — METHANE - - - ETHANE — PROPANE - - - BUTANE -·-·- PENTANE ·····)	LITHOLOGY DESCRIPTION AND REMARKS (WT VIS WL PH CKE)
5 10 15 20 25						TOTAL GAS 50 100 150 200; COMPONENTS 50 100 150 200	LOGGING UNIT #1 ON LOCATION, RIGGED UP & LOGGING 10/31/93
10/31/93		1500					SS ark wh s&p in hd vf-fgr sbrnd



sbang,msrtd,vcalc,mica
SH mgy,mbrn,hd-frm,sb plty,n-vlmy
LS mbrn,hd,micxln,com varg

SS aa,vmica
SH m-ltgy,hd,sbblky,com mici mica sl slty

SH mgy,m-ltbrn,hd,sbblky,m-vcalc

SH m-ltbrn,mgy,hd,blky,com pyr, vcalc

SH lt-mrdbrn,ltbrn,glsy,pyr spcs lmy,plty-blky,hd,DULL YEL FLO, NO CUT

SH lt-mrdbrn,lt-mbrn,glsy ip, sl bent ip,pyr spcs,lmy,plty-blky,hd,DULL YEL FLO, NO CUT

SH m-dkrdbrn,ltbrn,ltgy,glsy, tr pyr spcs,lmy,blky,hd,DULL YEL FLO, NO CUT

SH lt-mrdbrn,mbrn,sl glsy,sm pyr spcs,lmy,blky,hd,YEL FLO, NO CUT

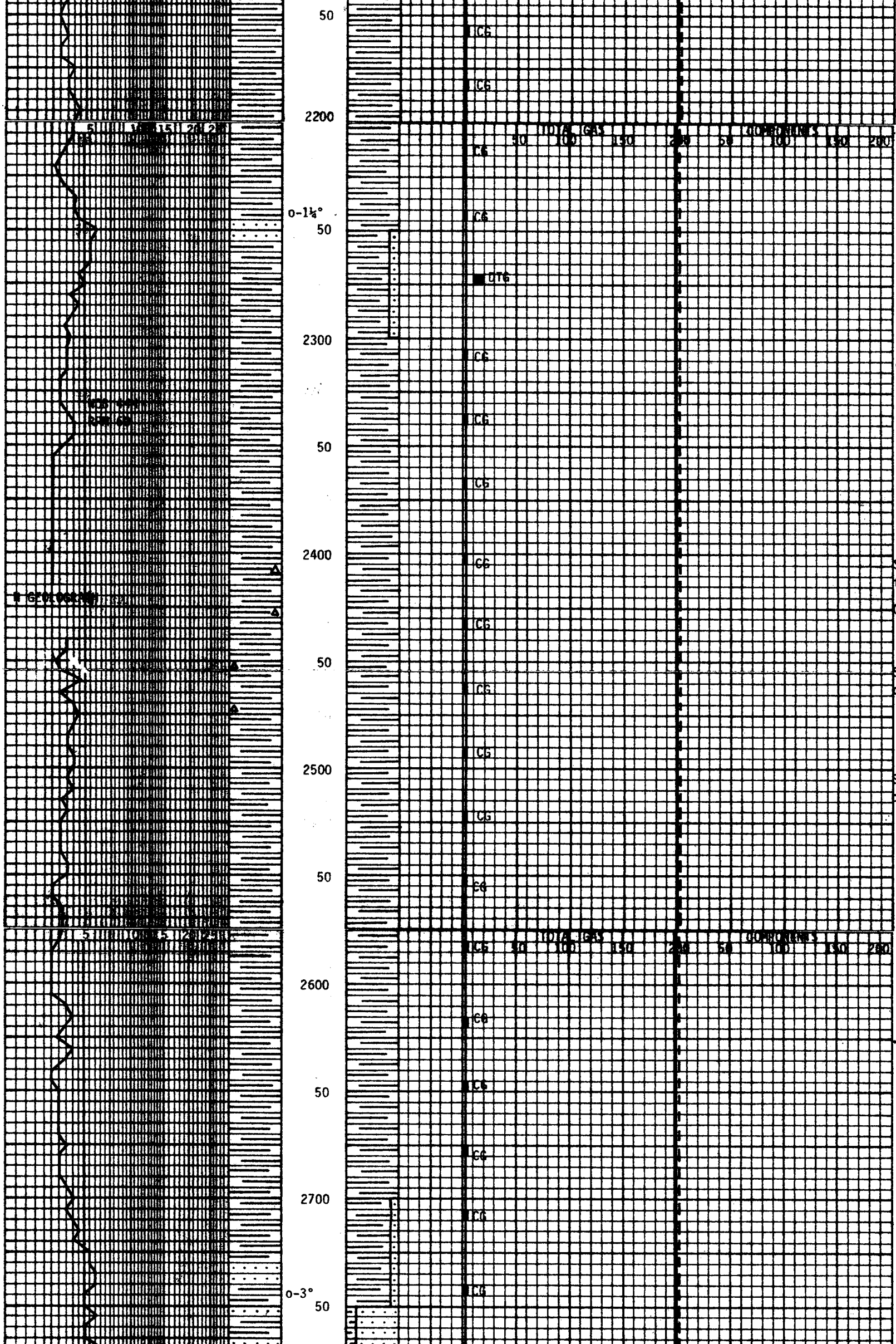
SH lt-mrdbrn,lt-mbrn,sl glsy ip bent ip,lmy,blky,hd,YEL FLO, NO CUT
LS lt-mbrn,glsy ip,dns,crypt-vfxln,blky,hd,tt

SH lt-mbrn,lt-mrdbrn,sl glsy, pyr spcs,lmy,blky,frm-hd,dns, VDULL YEL FLO, NO CUT

SH mbrn,m-dkrdbrn,glsy,pyr spcs lmy,blky,frm-hd,dns,grdg to mrlst,VDULL YEL FLO, NO CUT

SH lt-mrdbrn,ltbrn,glsy,pyr spcs micxln,plty-blky,frm-hd,grdg to mrlst,VDULL YEL FLO, NO CUT

SH lt-mrdbrn,lt-mbrn,glsy,pyr spcs,mic-vfxln,blky,frm-hd,grdg



to mrlst,DULL YEL FLO, FAST STRM CUT IP

SH lt-mredbrn,ltbrn,glsy,tr pyr specs,lmy,plty-blky,hd,grdg mrlst,V DUL YEL FLOR,N CUT

SS lt-m gy,sl s&p,glsy,vf-fgr sbang,calc,frm,tt

SH redbrn,brngy,bl,hd,sb plty, v calc,tr pyr

SH redbrn,brngy,hd-frm,blky,v calc

OCC CHT mlkywh,v hd

SH gybrn,redbrn,hd,blky,v calc, occ pyr, occ CHT aa

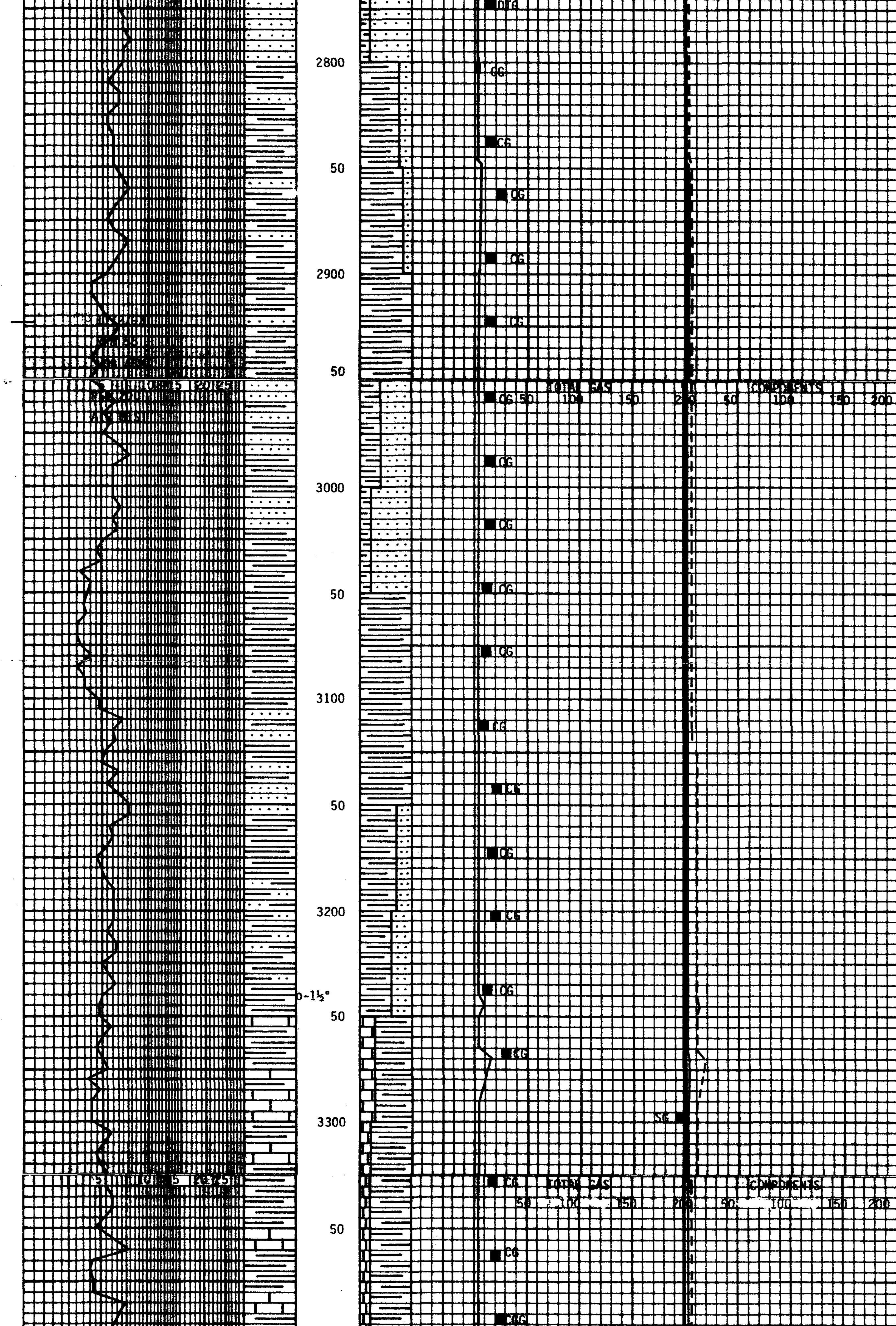
SH redbrn,gybrn,hd,blky,v calc occ pyr

SH redbrngy,hd,blky,com micmica v calc,occ pyr,tr carb lam

SH dkredbrn,ltbrn,wh,ltgy,hd, blkysb plty,v calc,rr pyr

SS qtz,wh,frm,v f gr,sb ang,m srtd,SCAT DUL WH FLOR,N CUT

SS qtz,wh,hd,sl fri,v f gr,sb ang,m srtd,abnt mica,v calc



SH m gy,m redbrn,lt brn,hd,brit plty,m calc,com pyr

SH lt gy,m-ltbrn,hd-frm,blky, m slty,com mica

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

SS ltgy,ltbrn,clr,s&p,glsy,vf-fgr,sbang-rnd,calc,fri-frm,sl tt

SH mbrn,dkblgrn,pyr spcs,slty ip,calc-sil,blky,frm-hd

SH lt-mbrn,lt-mrdbrn,glsy,tr pyr spcs,calc-lmy,plty-blky,frm-hd, grdg to mrlst,YEL FLO, MOD STRM CUT IP

SH lt-mbrn,m-dkrdbrn,ltcrm,glsy cryptxln ip,tr pyr spcs,calc, lmy ip,plty-blky,frm-hd,grdg to mrlst,VDULL YEL FLO IP, NO CUT

SS ltgy,clr,sl s&p,sl glsy,vf-fgr,sbang-rnd,calc,fri-frm,sl tt,TR DULL YEL FLO, NO CUT

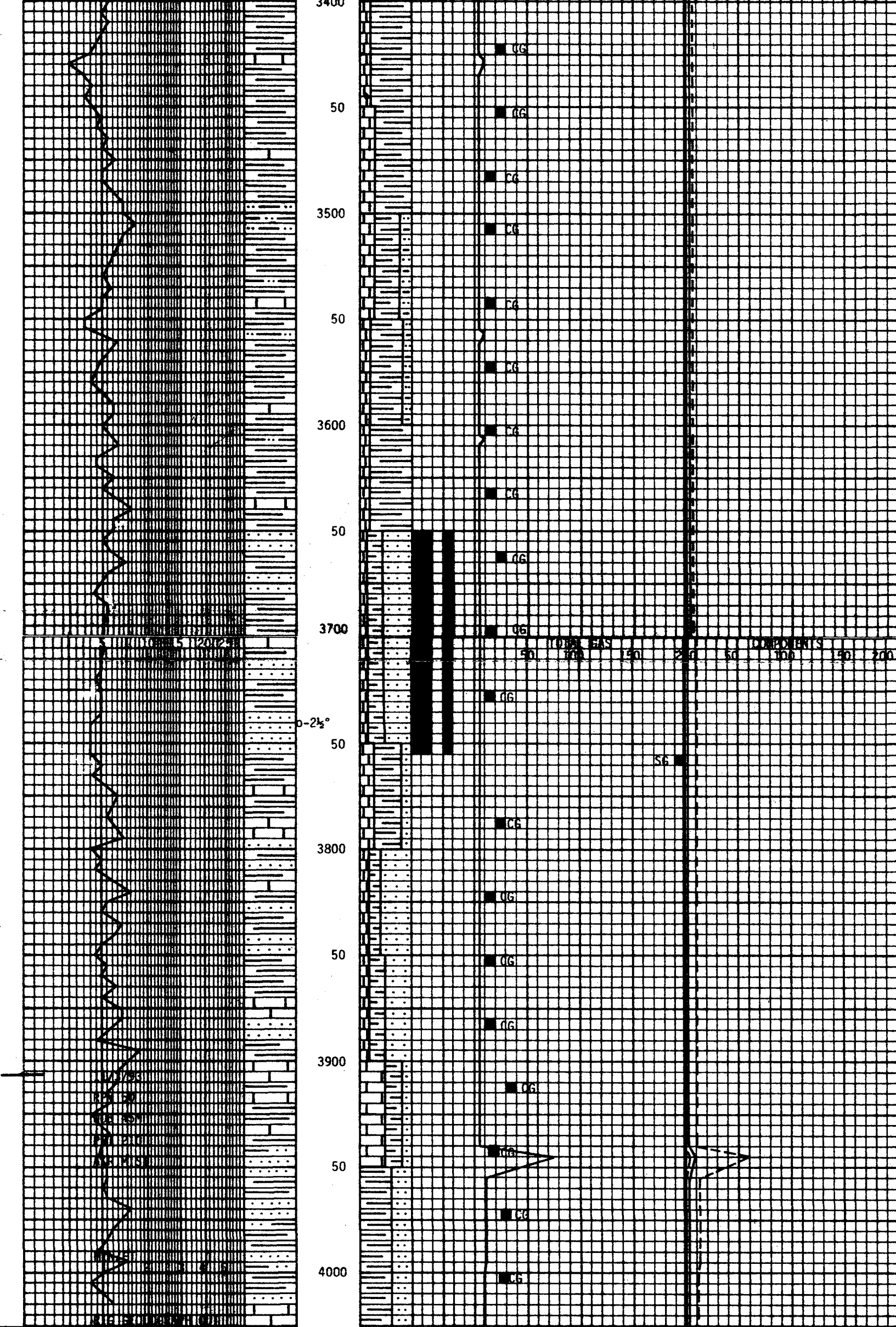
SS clr,ltgy,tr s&p,vf-fgr,sbang-rnd,calc,fri-frm

LS wh,mic-vfxln,sndy ip,plty-blky,sft-frm

SH m-dkbrn,m-dkrdbrn,glsy,crypt-xln,plty-blky,frm-hd,grdg to mrlst,DULL YEL FLO, NO CUT

SH lt-dk brn,m gy,glsy,crpxl,tr pyr spec,calc-lmy,plty-blky,frm-hd,V DUL YEL FLOR,SLOW STRM CUT IP

LS ltcrm,offwh,slslty,crp-vfxl, plty-blky,sft-frm,V DUL YEL FLOR IP,N CUT



SH m-lt gy,m-lt brn,ltblgy,frm, sb blky,sl-m calc
LS aa,RR BRI YEL FLOR,G STRM CUT

LS wh-ltcrmbrn,sft-frm,micgran, micrit,sl arg ip,COM DUL WH&ORNG FLOR,N CUT

SLTST qtz,wh,frm

SH dk-lt gy,m-lt brn,hd-frm,sb blky-sb plty

SS qtz,clr,hd,sl fri,v f gr,ang m srtd,occ pyr,ABNT O STN,N FLOR G BLEEDING CUT,p intgran por

SS qtz,clr,hd,sl fri,vfgr,ang, msrtd,occ pyr,ABNT O STN, N FLO, G BLEEDING CUT

SH m-ltgy,frm,sft,sb blky,micxln ip,m calc
LS m-ltcrm,brn,wh,frm-sft,n-sl arg,micxln,micrit ip,COM DULL WH, FLOR N CUT

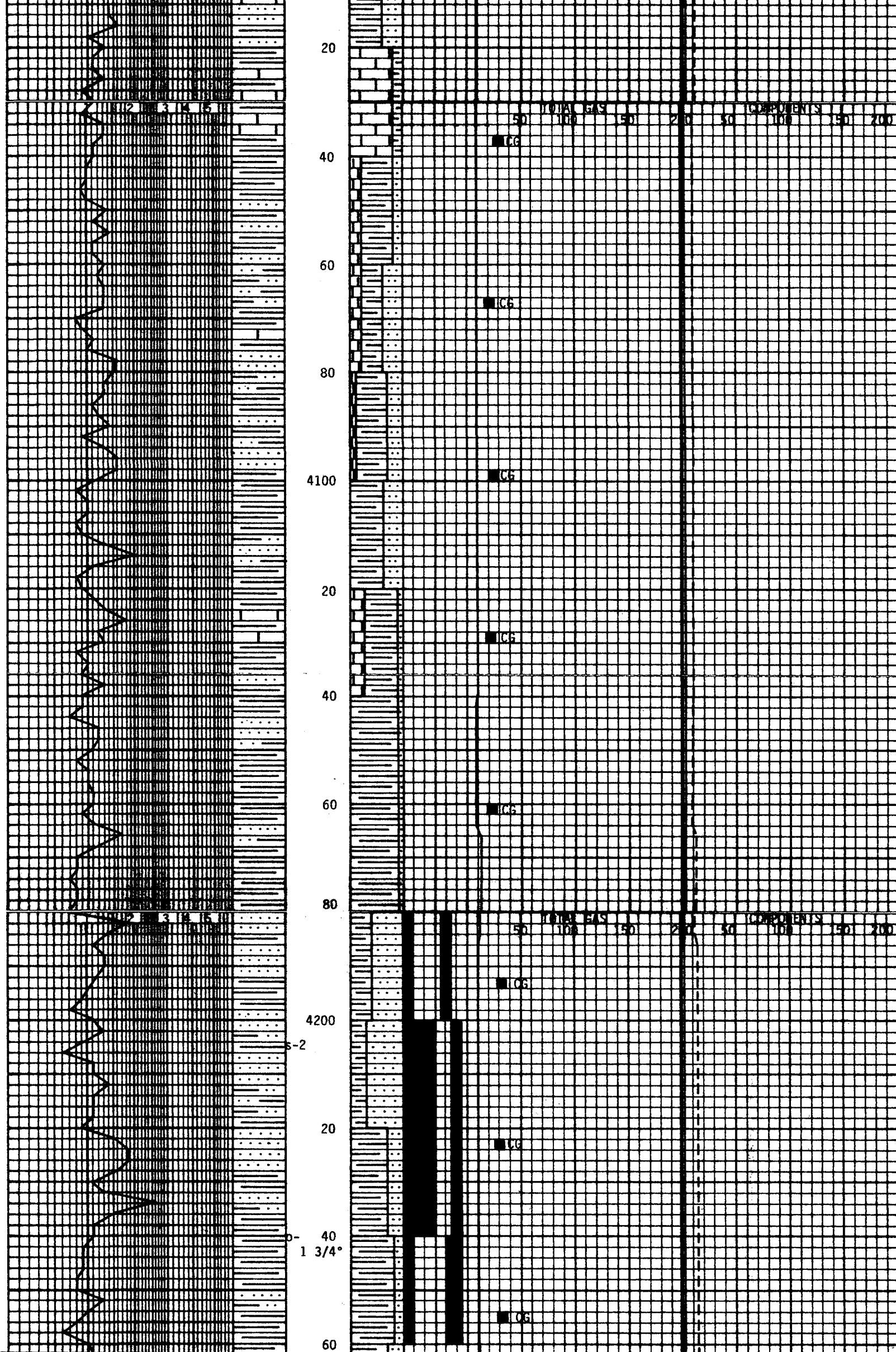
SS qtz,wh,frm,sl fri,vfgr,ang, msrtd,p por

SH m-ltblgy,m-ltgy,frm-sft,sb plty,slty ip,m calc
LS ltcrm,sl glsy,crypt-micxln, plty-blky,frm,DULL YEL FLO, NO CUT
SH lt-mblgrn,slty ip,glsy,calc-lmy,plty-blky,frm-hd

SS ltgy,clr,sl glsy,vfgr,sbang-rnd,calc,fri,

SH lt-mgrngy,sl slty,tr pyr,spcs calc,plty-blky,sft-frm

NOTE SCALE CHANGE FROM 2"=100' TO 5"=100'
SH ltgy,mbrn,sl bent,pyr spcs,



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

LS lt-mrdcrm,crypt-vfxln,sl glsy ip,splnty-blky,frm

SH ltbrn,ltgy,sl bent,tr pyr spcs,calc,splnty-blky,frm

LS lt-mrdcrm,crypt-micxln,plty-blky,frm,TR DULL YEL FLO, NO CUT

SS ltgy,clr,tr s&p,sl glsy,vf-fgr,sbang-rnd,calc,fri

SS ltgy,clr,tr s&p,sl glsy,vfgr sbang-rnd,calc,fri

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

SS ltgy,clr,tr s&p,vfgr,ang-sbrnd,calc,fri

LS lt-mrdcrm,crypt-micxln,plty-blky,frm,VDULL YEL FLO, NO CUT

SH m-dkbrn,mgy,sl bent,sl glsy, calc-lmy,plty-blky,frm

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

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

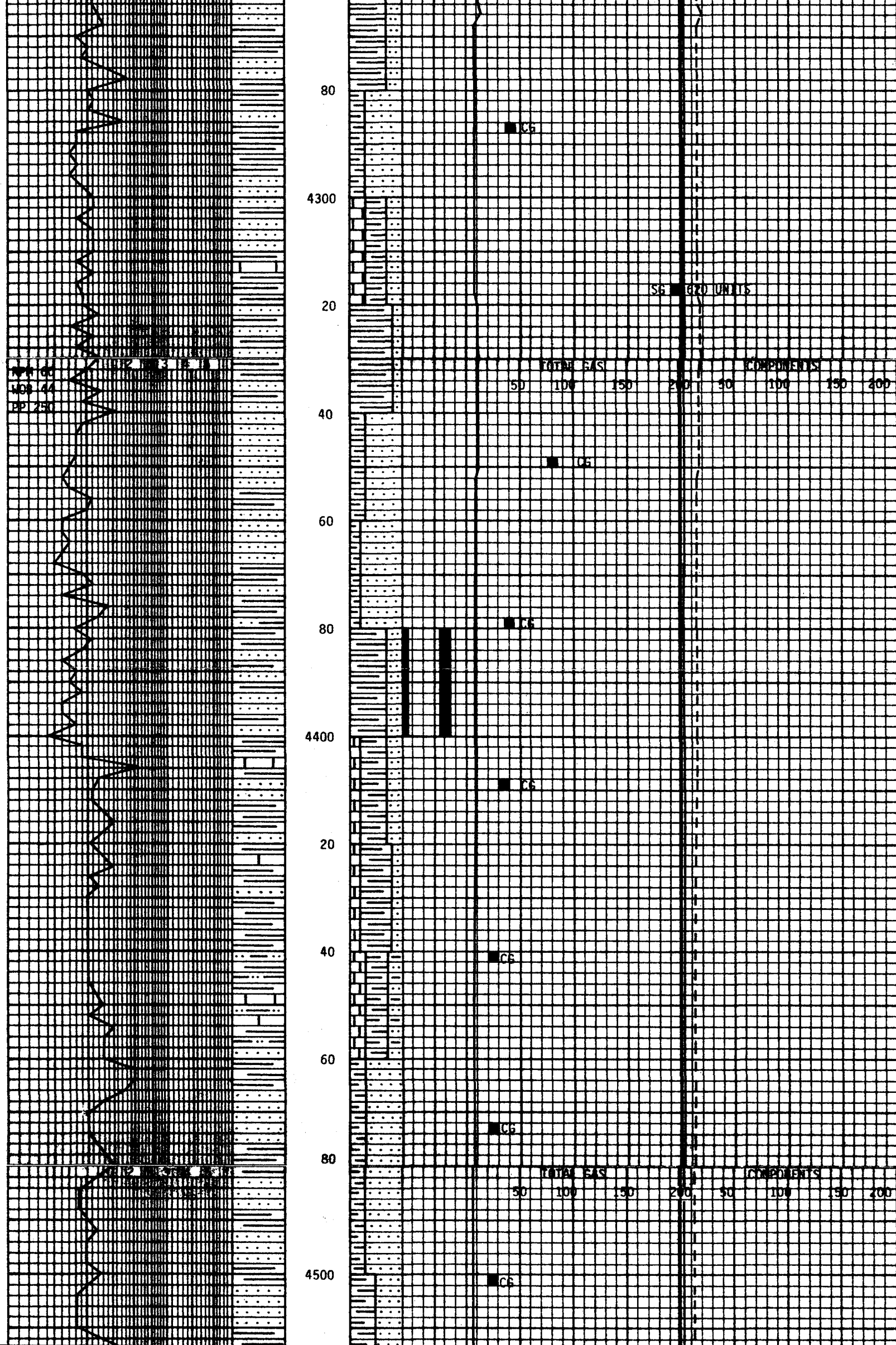
SS ltgy,clr,mbrn stn,sl glsy, vfgr,sbang-rnd,calc,fri,sl tt, NO FLO, MOD STRM CUT

SS m-dkbrn stn,clr & ltgy ip,sl glsy ip,vf-fgr,sbang-rnd,calc, fri,NO FLO, FAST-MOD STRM CUT

SS m-dkbrn stn,clr & ltgy ip, vf-fgr,sbang-rnd,calc,fri,NO FLO FAST - MOD STRM CUT

SH mgy,mgrngy,sl bent,tr pyr, calc,plty-blky,sft-frm

SS ltgy,clr,ltbrn stn ip,glsy, vf-fgr,sbang-rnd,calc,fri-frm, sl tt,NO FLO, FAST - MOD STRM CUT IP



SS ltgy,clr,glsy,tr s&p,vf-fgr, sbang-rnd,calc,fri,sl tt

SS clr,ltgy,f-cgr,sbang-rnd,calc fri & uncon

SH m-dkbrn,mgy,bent,sl slty,calc plty-blky,sft-frm

SS ltgy,clr,sl glsy,vf-fgr,sbang-rnd,calc,fri-frm,sl tt

LS lt-mrdcrm,glsy,crypt-micxln plty-blky,frm

SH lt-mgy,dkbrn ip,sl bent,tr pyr specs,calc,splnty-blky,sft-frm

SS clr,ltgy,vf-fgr,sbang-rd, uncons,sl calc,fri

SS clr,ltgy,vf-fgr,sbrd-rd,calc fri

SH mgy,m-dkbrn,sl bent,pyr specs calc,plty-blky,frm

SS ltgy,clr,ltbrn stn,glsy,f-mgr sbang-sbrd,calc,frm,tt,TR YEL FLOR,FR FAST STRM CUT

LS m-ltcrmbrn,frm,brit,micxl

SH m-ltgy,m-ltbrn,frm-sft,m calc

SS qtz,wh,frm,vfgr,sbrd,m srtd grdg SLTST

SLTST qtz,wh,frm,sl sdy-v f gr sb rd

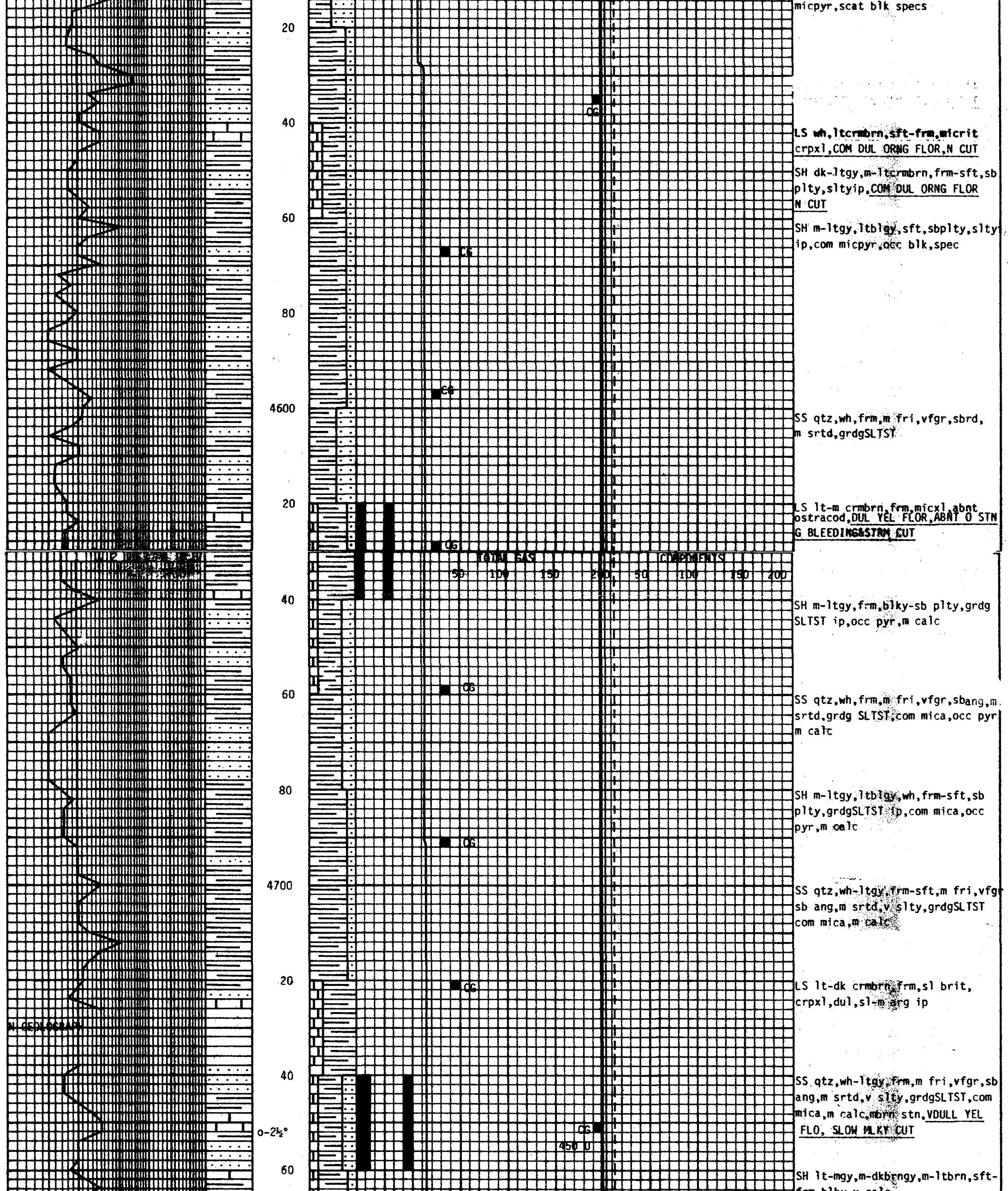
SS qtz,wh,frm,m fri,v f gr,sb rd,m srtd,v slty

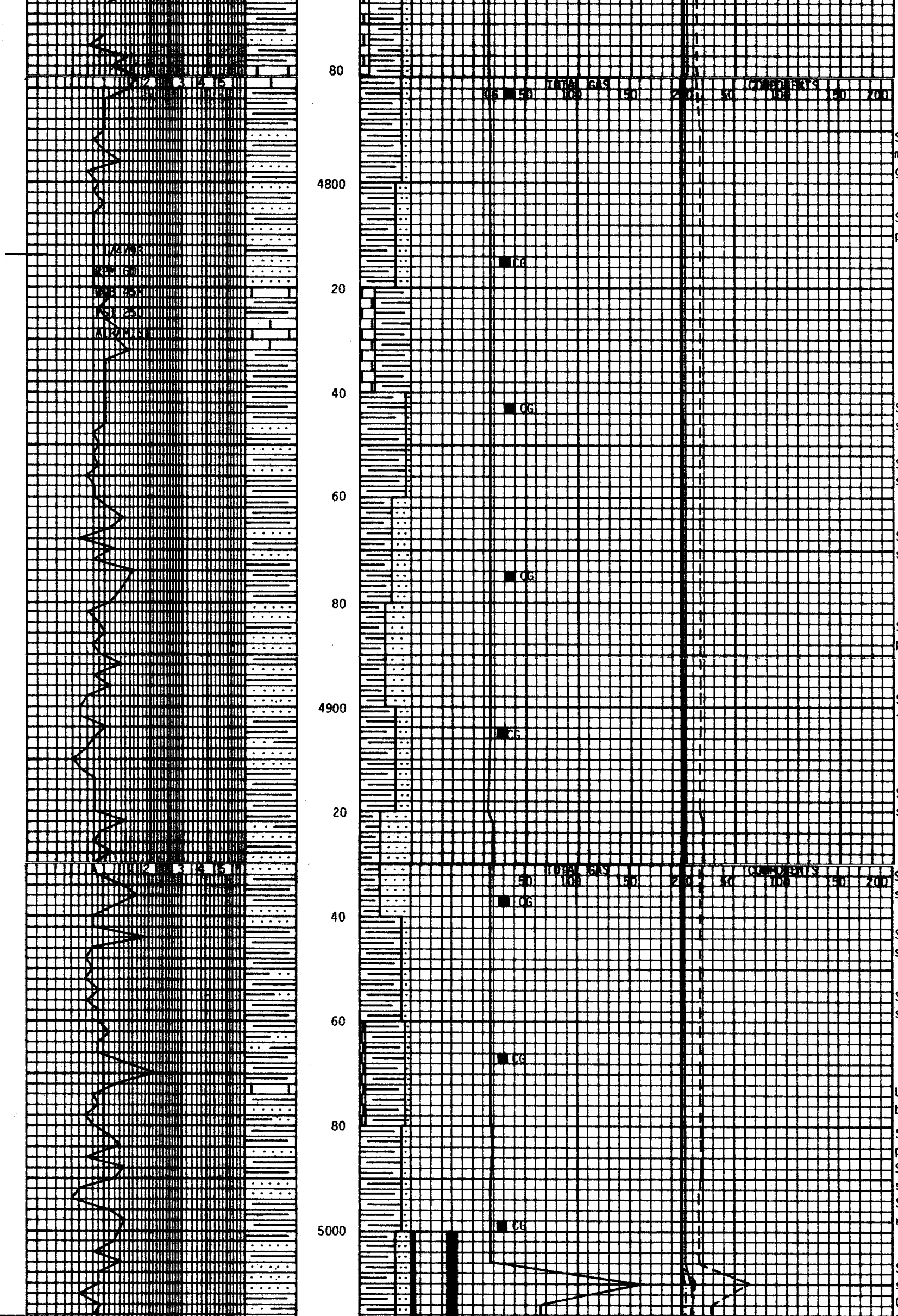
SH lt-mgy,m-dkredbrn,sft,sbplty m calc

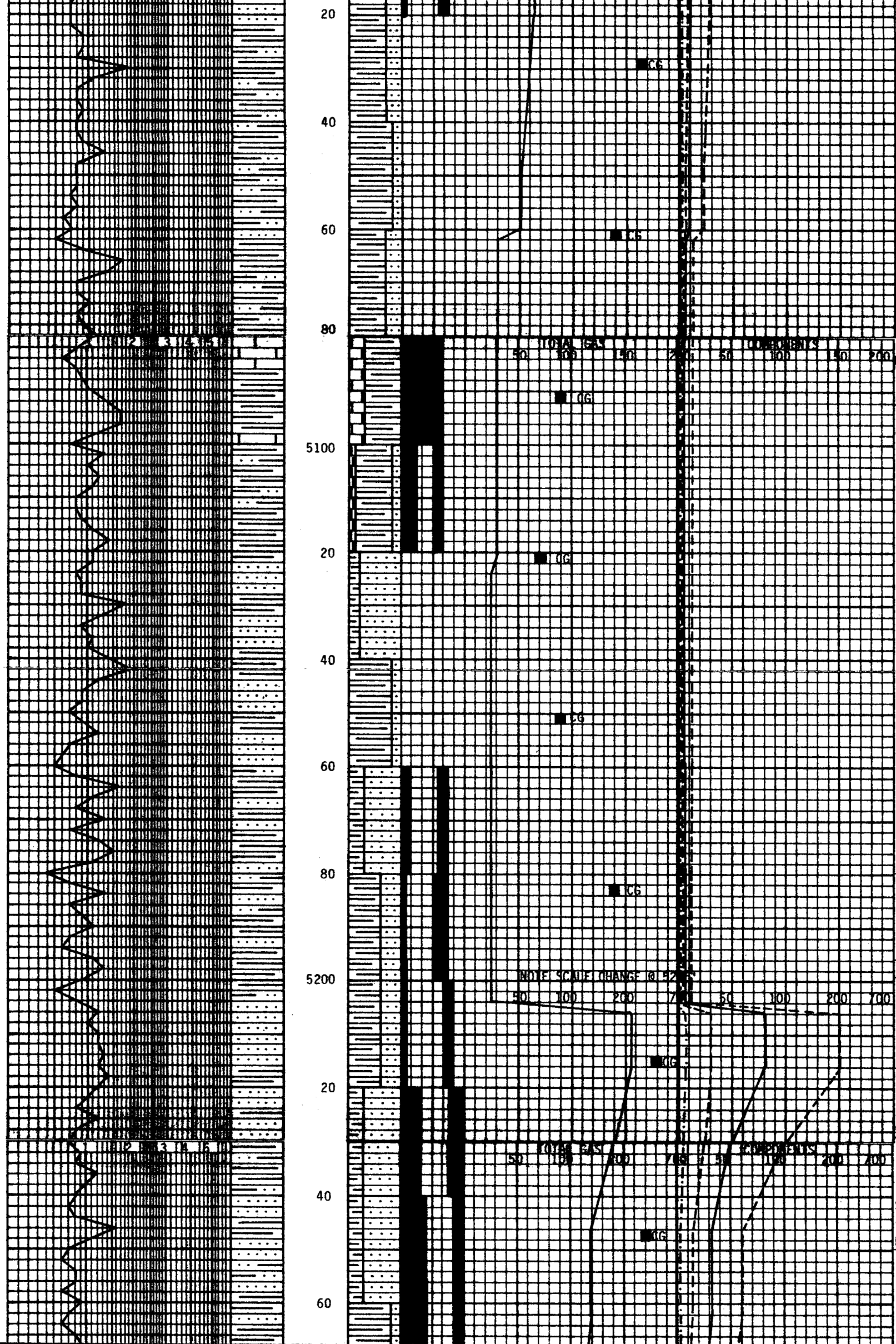
SH lt-mgy,m-dkredbrn,sft,sbplty grdgSLTST,COM DUL ORNG FLOR,N CUT,m calc

SS qtz,wh,frm,mfri,vfgr,sbrd,m srtd,grdgSLTST

SH mgy,sft,sbplty,sltyip,com


20
40
60
80
4600
20
40
60
80
4700
20
40
60
0-2½°
TOTAL GAS
COMPONENTS
50 100 150 200 50 100 150 200
CG
450 U
micpyr,scat blk specs
LS wh,ltcrmbrn,sft-frm,micrit crpxl,COM DUL ORNG FLOR,N CUT
SH dk-ltgy,m-ltcrmbrn,frm-sft,sb plty,sltyip,COM DUL ORNG FLOR N CUT
SH m-ltgy,ltblgy,sft,sbplty,slty ip,com micpyr,occ blk,spec
SS qtz,wh,frm,m fri,vfgr,sbrd, m srtd,grdgSLTST
LS lt-m crmbrn,frm,micxl,abnt ostracod,DUL YEL FLOR,ABNT O STN G BLEEDING&STRM CUT
SH m-ltgy,frm,blky-sb plty,grdg SLTST ip,occ pyr,m calc
SS qtz,wh,frm,m fri,vfgr,sbang,m srtd,grdg SLTST,com mica,occ pyr m calc
SH m-ltgy,ltblgy,wh,frm-sft,sb plty,grdgSLTST ip,com mica,occ pyr,m calc
SS qtz,wh-ltgy,frm-sft,m fri,vfgr sb ang,m srtd,v slty,grdgSLTST com mica,m calc
LS lt-dk crmbrn,frm,sl brit, crpxl,dul,sl-m arg ip
SS qtz,wh-ltgy,frm,m fri,vfgr,sb ang,m srtd,v slty,grdgSLTST,com mica,m calc,mbrn stn,VDULL YEL FLO, SLOW MLKY CUT
SH lt-mgy,m-dkbrngy,m-ltbrn,sft-


80
4800
20
40
60
80
4900
20
40
60
80
5000
TOTAL GAS
COMPONENTS
CG
SS qtz,wh-ltgy,frm,incr pyr,frm,
m fri,vfgr,sbang,msrtd,vslty,
grdg to sltst,com mica,m calc
SH m-ltgy,ltblgy,mbrn,frm,blky,
plty,grdg to sltst ip
SH mgy,mgrngy,sl bent,tr pyr,
spcs,calc,plty-blky,frm
SS lt-mgy,clr,sl s&p,vf-fgr,
sbang-sbrnd,calc,fri-frm,tt
SS ltgy,clr,sl glsy,vf- fgr,ang-
sbrnd,calc,fri-frm,tt
SH lt-mgy,mgrngy ip,sl bent,tr
pyr spcs,calc,plty-blky,frm
SS ltgy,clr,glsy,tr arg mtx,vf-
fgr,sbang-rnd,calc,frm,tt
SH mgy,mgrngy,sl bent,tr pyr
spcs,calc,plty-blky,frm-hd
SS ltgy,clr ip,tr s&p,glsy,vfgr
sbang-rnd,calc,fri-frm,tt
SH lt-mbrn,mgy,sl bent ip,tr pyr
spcs,calc,plty-blky,sft-frm
SS ltgy,clr,tr s&p,sl glsy,vfgr,
sbang-sbrnd,calc,fri-frm,tt
LS lt-mrdcrm,crypt-micxln,plty-
blky,frm-hd
SH m-dkbrn,lt-mgy,bent ip,tr
pyr spcs,calc,plty-blky,frm
SH lt-mgy,m-dkbrn,bent ip,tr pyr
spcs,calc,plty-blky,frm
SS ltgy,clr ip,glsy,vfgr,sbang-
rnd,calc,fri-frm,tt
SS lt-mgy,tr s&p,glsy,vf-fgr,
sbang-rnd,calc,frm,tt
OIL IN SAMPLE BUCKET



SH lt-mgy,dkbrn,sl bent ip,tr pyr spcs,calc,plty-blky,frm HOLE MAKING OIL

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

SS ltgy,clr,glsy,vfgr,sbang-rnd calc,frm,tt

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

SS ltgy,clr,vf-fgr,sbang-rnd, calc,fri-frm,sl tt

LS mrdcrm,crypt-micxln,plty-blky frm,grdg to mrlst,DULL YEL FLO, FAST STRM CUT

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

SS ltgy,clr,sl glsy,vfgr,sbang-sbrnd,calc,fri-frm,tt

SS lt-mgy,glsy,vf-fgr,sbang-sbrnd,calc,fri-frm,tt

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

SS ltgy,clr,ltbrn stn ip,glsy, tr s&p,vf-fgr,sbang-rnd,calc, fri,VDULL YEL FLO IP, POOR FAST STRM CUT

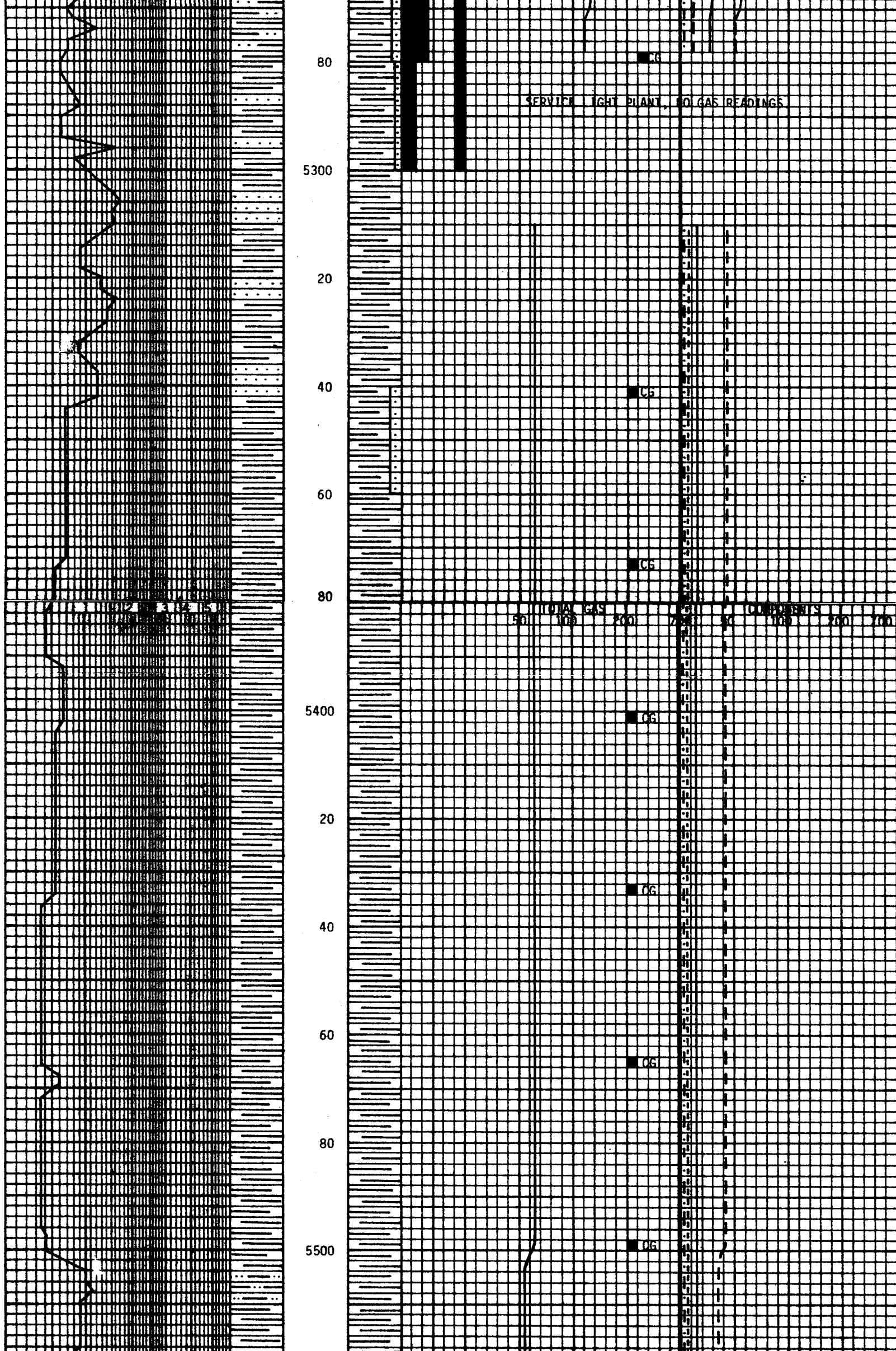
SS ltgy,clr,tr ltbrn stn,glsy, vf-fgr,sbang-rnd,calc,fri, VDULL YEL FLO IP, POOR MOD-FAST STRM CUT

SS ltgy,clr,vf-fgr,sbrnd-rnd, calc,fri,tt,VDULL YEL FLO IP, POOR FAST STRM CUT

SS ltgy,clr,lt-mbrn stn,fgr, sbang-rnd,uncon,DULL YEL FLO, MOD STRM CUT

SS lt-mbrn stn,clr,vf-fgr,sbrnd-rnd,calc,fri,DULL YEL FLO, FAST-MOD STRM CUT

SH mgy,mgrngy ip,sl bent,tr pyr spcs,calc,plty-blky,sft-frm



SS lt-mbrn stn,clr,vf-fgr,sbrnd-rnd,uncon,VDULL YEL FLO, FAIR FAST STRM CUT

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

SH dk-ltgy,frm,sft,plty-sb plty, mcalc

SH dk-ltgy,frm-sft,sb plty,com ltgy,slty zn,occ pyr

SS wh-ltgy,sft,mfri,vfgr,sbrnd, msrtd,grdg to sltst

SH lt-dkgy,frm-hd,plty,sl-mcalc, com ltgy,slty zn

SH lt-dkgy,m-ltcrm,m-ltbrn, ltblgy,frm-sft,sb plty,occ slty zn,m calc

SH dkgybrn,lt-dkgy,m-ltcrmbrn, com pyr,m calc,ABNT O STN, DULL GNYEL FLO, G FAST STRM CUT

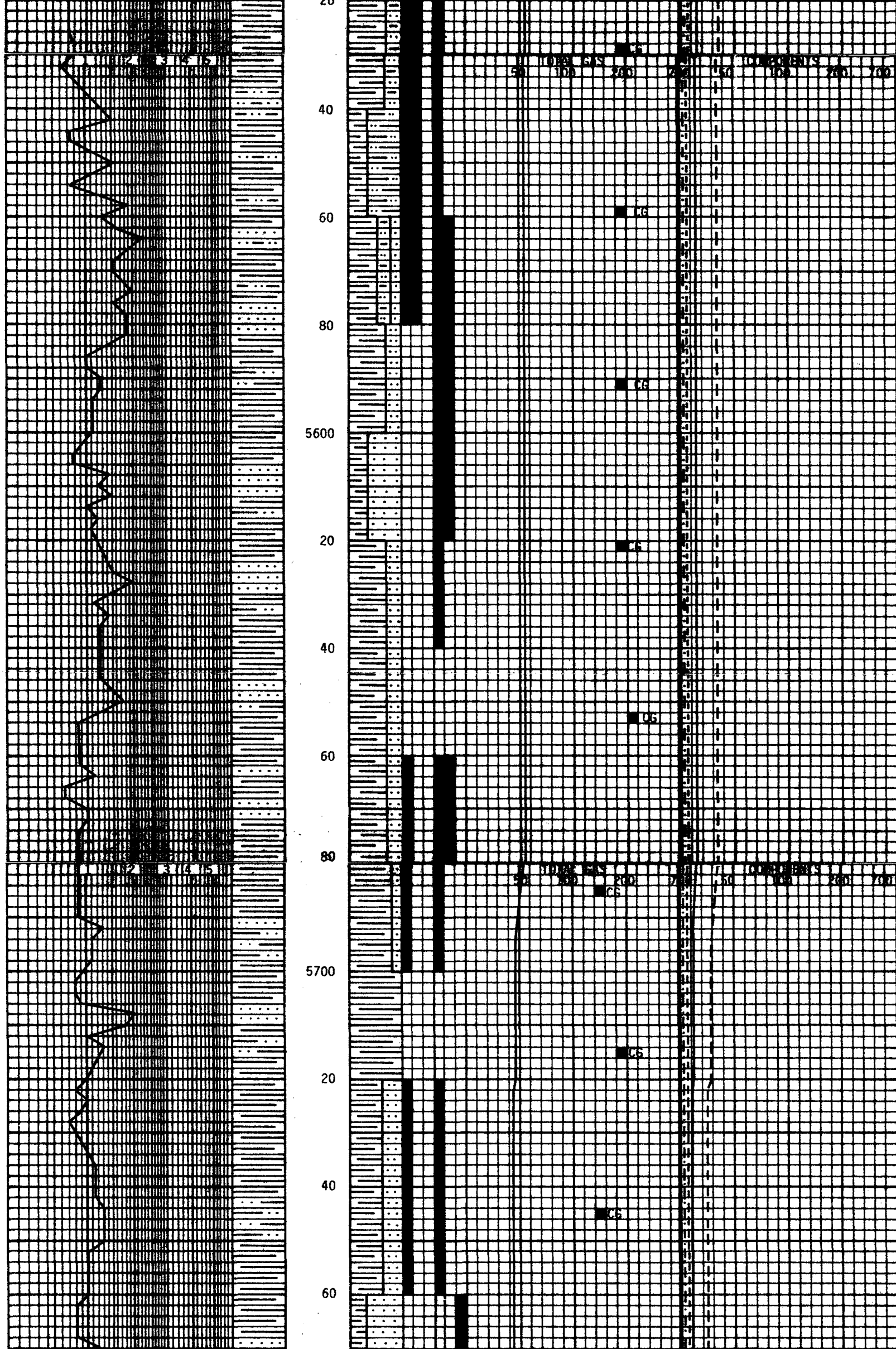
SH dkgybrn,m-ltcrmbrn,lt-dkgy, com pyr,m calc,ABNT O STN, DULL GNYEL FLO, G FAST STRM CUT

SH pred dkgy,m-ltgy,m-ltcrmbrn, frm,sb plty,com pyr mic lam, m calc

SH aa,OCC CALC BND W/ O STN, G FAST MKY CUT

SH dk-ltgy,frm,sb plty,com mic pyr,COM CALC BND W/ O STN, G FAST MKY CUT

SLTST qtz,ltgy,sft,com mica,COM O STN, N FLO, G FAST STRM CUT



SLTST qtz,ltgy,sft,com mica,COM O STN,N FLO,G FAST STRM CUT

SS qtz,wh-ltgybrn,uncon-frm,vf-fgr,sbrnd,psrtd,m slty,p-f por, COM O STN,N FLO,G MKY CUT

SH lt-dkgy,ltcrmbrn,frm,sb plty, abnt mic pyr spcs

SS qtz,wh,sft,vfri,vf-fgr,msrtd, sl slty,com mica,fair por,OCC O STN,N FLO,OCC G STRM CUT

SH lt-mgy,dkgybrn,sft,sb plty, sl slty,occ pyr
SS qtz,wh,sft,mfri,vfgr,sbrnd, msrtd,m slty,occ mica,grdg to sltst

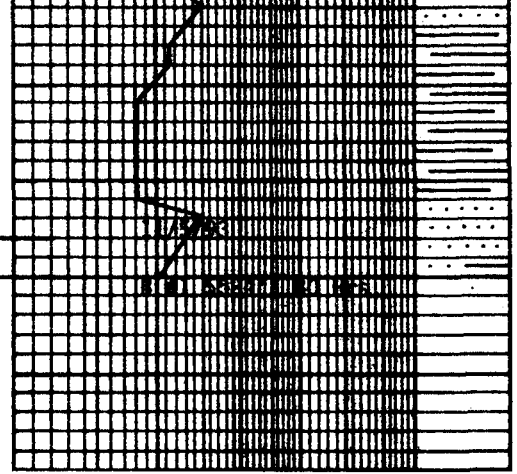
SS qtz,wh,sft,vfri,fgr,sbang,m-wsrtd,occ mica,g por,OCC O STN, OCC YEL FLO, OCC FAIR MOD-FAST STRM CUT

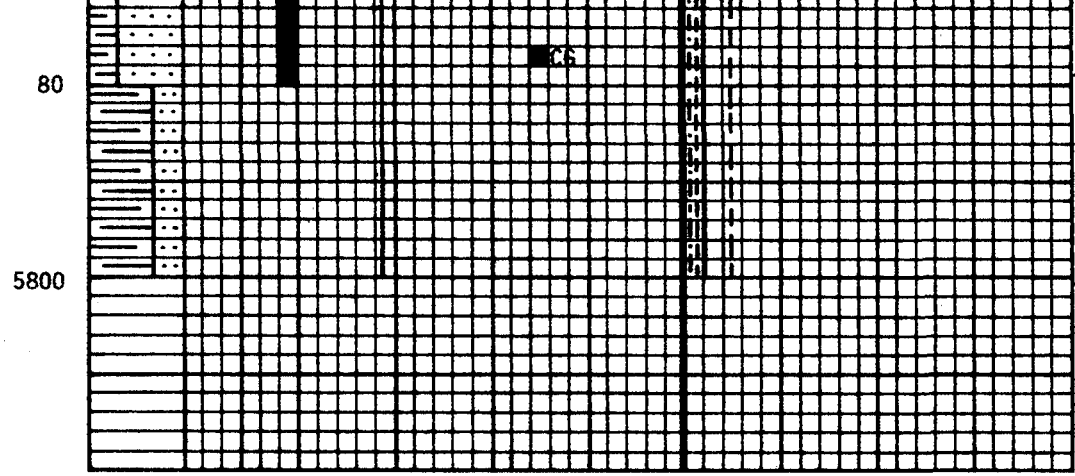
SH lt-dkgy,dkbrngy,frm,sb plty, m-vslty,occ pyr,COM O STN

SH lt-mgy,wh,occ dkgybrn,frm-sft sb plty-sb blky,sl-vslty,grdg to sltst ip,com pyr

SS qtz,ltgy,sft,vfri,vfgr,occ fgr,sbrnd,m-psrtd,vslty,grdg to sltst,p-f por,COM O STN, OCC GNYEL FLO, OCC FAIR MOD-FAST STRM CUT

SH lt-mgy,dkgybrn,com wh & blk spcs,sb plty,vslty,grdg to sltst com mic pyr spcs,com mica





sbang,wsrtd,g por,NSTN,ABNT GNYEL FLO, N CUT

SS qtz,wh,sft,vfgr,sbrnd,msrtd, vslty,grdg to sltst,p-f por,COM O STN,COM GNYEL FLO,N CUT

DRILLERS TD 5800'

LOGGING UNIT #1 RELEASED 11/5/93

RECEIVED
NOV 09 1993
DIVISION OF
OIL, GAS & MINING

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

CONFIDENTIAL

RECEIVED
NOV 1 2 1993
DIVISION OF
OIL, GAS & MINING

November 9, 1993

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

Gentlemen:

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

Enclosed is our sundry reporting a change in rig on the subject well.

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

Sincerely,

Molly Conrad

Molly M. Conrad
Operations Secretary

/mc

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

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

CONFIDENTIAL

5. Lease Designation and Serial No.
U-096550

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

7. If Unit or CA, Agreement Designation
Jonah Unit

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
Balcron Monument Federal #12-12J

2. Name of Operator
Equitable Resources Energy Company, Balcron Oil Division

9. API Well No.
43-013-31410

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW NW Section 12, T9S, R16E 1980' FNL, 660' FWL

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	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Change in rig.	[ ] 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.

RECEIVED
NOV 12 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 11-8-93
Bobbie Schuman

(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

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/13/93

****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---

11-13-93 Completion
MIRU. RU tanks & pump.
DC: $755

BALCRON MONUMENT FEDERAL #21-12J

Operator: EREC/Balcron
BOD WI: 79.78%
Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte
PTD: 5,800' Green River Oil - Dev.

---TIGHT HOLE---

10-10/21-93 Work on & finish location.

10-25-93 MIRU Leon Ross Air Drilling & spud @ 9:45 a.m. Drill 270' hole.

10-26-93 Run 6 jts 8-5/8" csg & cmt as follows:

Guide Shoe	.65'
1 jt 8-5/8" shoe jt	44.90'
Insert Float	-----
5 jts 8-5/8" J-55 24#	224.86'

Set @ 268' GL.
Cmt w/150 sxs Class "G" w/2% CCK & 1/4#/sx celoflake. 5 bbls cmt back to pit. Plug down @ 1 p.m. 10-26-93.
DC: $10,575 CC: $30,618

11-15-93 Present Operation: NU
RD, MI mud, RU. Did not break tower. Had to get blade to fix road & help winch trucks.
DC: $1,200 CC: $31,818

BALCRON MONUMENT FEDERAL #42-1J **Operator: EREC/Balcron**

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

TREATMENT REPORT

Date of Treatment: 11-15-93

Well Name Monument Fed. 12-12-J SEC. 12 TWN. 9 S RNG 16 E

Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5029-33

Treatment type: KCL BREAK DOWN Total Number of Holes: 4

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

TOTAL FLUID PUMPED: — gal. — % — Acid
gal. fluid

TOTAL SAND VOL.: lbs. / sand
lbs. / sand
lbs. / sand
lbs. / bauxite

Flushed well with gal. of
8 ball sealers were pumped. Was ball action seen?
Barrels of Load to Recover BLTR.
Avg. Treating Pressure = psi, max = 4000 psi, min = psi.
Avg. Treating Rate = bpm, max = bpm, min = bpm.
ISIP = 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 PSI AT BPM. BACK TO PSI AT BPM, SERGE BALL OFF PERFS. PUMP FOR RATE, BPM AT PSI, No Break. Communicate to Case, pump [illegible] valve & test tub, test packer. (Leaking)

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

TREATMENT REPOR

Date of Treatment : 11-15-9

Well Name Monument Fed. 12-12-J SEC. 12 TWN. 9 S RNG. 16

Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5029-33

Treatment type: KCL BREAK DOWN Total Number of Holes: 4

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

TOTAL FLUID PUMPED: — gal. — % — Acid
gal. fluid

TOTAL SAND VOL. : lbs. / sand
lbs. / sand
lbs. / sand
lbs. / bauxite

Flushed well with gal. of
8 ball sealers were pumped. Was ball action seen?
Barrels of Load to Recover BLTR.

Avg. Treating Pressure = psi, max = 4000 psi, min = p
Avg. Treating Rate = bpm, max = bpm, min = bpr
ISIP = psi, 5 min. = psi, 10 min. = psi, 15 min. = p
Well will be shut in for hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT PSI AT BPM. BACK TO PSI AT BPM, SERGE BALL OFF PERFS. PUMP FOR RATE, BPM AT PSI, No Break. Pomundcate To Pass, sums stop, valve & test tube, test packer. (Leaking)

Monument Butte Federal No. 12-12J

SHOW REPORT

	NO.	DEPTH From-To	DRILL RATE, Min/Ft Before	During	After	TOTAL GAS Units Before	Peak	After	CHROMATOGRAPH ~~ppm~~ % C_1	C_2	C_3	C_4
	1	3650-750	1.0	1.0	1.0	5	5	5	9.0	1.0	—	—
C.	2	4206-18	0.6	1.4	0.9	11	11	11	15.0	1.0	—	—
	3	4636-40	0.7	1.5	0.6	12	12	12	17.0	2.0	—	—
B.	4	5006-12	1.3	0.6	0.9	17	160	65	65.0	9.0	13.0	2.0
	5	4738-45	1.0	0.7	1.5	14	14	14	13.0	2.0	—	—
A.	6	5205-14	0.5	1.2	1.4	25	270	135	200	80	30	8
	7	5536-42	0.75	1.5	0.75	55	55	55	35	16	8	4
	8	5562-66	1.5	2.0	1.5	55	55	55	35	16	8	4
	9	5664-68	1.0	0.75	1.0	55	55	55	35	16	8	4
	10	5734-50	0.75	1.25	1.0	40	40	40	25	12	6	4
	11											
	12											

REMARKS

1. SS- lt gy, brn, vfg, ang, pr por, brn oil stn, slow strmg ct no fluor.

C. 2. SS- brn, lt gy, vf-fg, sb, ang-rnd, calc, frj, pr por, no fluor, instant strng, strmg ct. hole making oil while

3. Ls- brn, tn, mic, ostracodal, poor por, sli qld fluor, brn oil stn, quick strong strmg ct.

B 4. SS- lt gy, dk brn, calc, tite to pr por, no visible show, hole making tarry oil while drilling with mist.

5. SS- wh, lt gy, vfg, frj, slty, unconsol, dull yell fluor, milky c

A 6. SS- lt gy, tn, vf-fg, sb ang, calc, loose grns, brown oil stn, dull yell fluor, quick strng strmg ct.

7. slt- oil stn, no fluor, fast, strng strmg ct (uphole contam

8. SS- lt gy, brn, vf-fg, pr-fr por, brn oil stn, no fluor, milky cut.

9. SS- wh, fg, frj, sply stn & fluor, mod fast strmg ct

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/16/93

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

BALCRON MONUMENT FEDERAL #21-12J
Operator: EREC/Balcron
BOD WI: 79.78%
Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte
PTD: 5800' Green River Oil - Dev.

---TIGHT HOLE---

10-10/21-93 Work on & finish location.

10-25-93 MIRU Leon Ross Air Drilling & spud @ 9:45 a.m. Drill 270' hole.

10-26-93 Run 6 jts 8-5/8" csg & cmt as follows:

Guide Shoe	.65'
1 jt 8-5/8" shoe jt	44.90'
Insert Float	-----
5 jts 8-5/8" J-55 24#	224.86'

Set @ 268' GL.
Cmt w/150 sxs Class "G" w/2% CCK & 1/4#/sx celoflake. 5 bbls cmt back to pit. Plug down @ 1 p.m. 10-26-93.
DC: $10,575 CC: $30,618

11-15-93 Present Operation: NU
RD, MI mud, RU. Did not break tower. Had to get blade to fix road & help winch trucks.
DC: $1,200 CC: $31,818

11-16-93 TD: 1,001' (723') Day 1
Formation: Uintah
MW 8.3 VIS 26
Present Operation: Drilling
NU BOP. Test BOP & manifold to 2000# - OK. Test surface pipe to 1500# - OK. Cut drill line, drill cmt, survey, change air head rubber, drill, & survey.
DC: $10,538 CC: $42,356

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---

11-15-93 Completion
TIH w/4-3/4" bit, 5-1/2" scraper & 176 jts 2-7/8" tbg, EUE J-55 8rd 6.5#. Tag PBTD @ 5727' KB. CIrc well w/125 bbls of 2% KCL wtr. TOOH w/tbg & BHA. RU Schlumberger to perf 5024'-33' (4 holes), 5225'-29' (4 holes), & 5237'-44' (7 holes). RD Schlumberger. TIH w/RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 163 ts 2-7/8" tbg, set BP @ 5064' KB, set packer @ 4962' KB, EOT @ 5003' KB. RU Western to do KCL break down **refer to treatment report.** No break, packer started leaking. Run standing valve to test tbg to 4000 psi - OK. Fish standing valve. SWIFN.
DC: $27,604

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

TREATMENT REPORT

Date of Treatment: 11-16-93

Well Name Monument Fed. 12-12 J SEC. 12 TWN. 9 S RNG. 16 E

Field Monument Butte County Duchesne State Utah

Formation/Perforations: 5029-33 Green River

Treatment type: ACID BREAK DOWN Total Number of Holes: 8

Volume	Fluid	Conc.	Sand Characteristics Size	Volume
____ Gal.				
____ Gal.				
____ Gal.				
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid
____ gal. ____ fluid

TOTAL SAND VOL.: ____ lbs. / ____ sand
____ lbs. / ____ sand
____ lbs. / ____ sand
____ lbs. / ____ bauxite

Flushed well with ____ gal. of ____
16 ball sealers were pumped. Was ball action seen? Yes
Barrels of Load to Recover 103 BLTR.
Avg. Treating Pressure = 1900 psi, max = 2060 psi, min = 186 p
Avg. Treating Rate = 3.5 bpm, max = 4.0 bpm, min = 2.6 bpr
ISIP = 1300 psi, 5 min. = ____ psi, 10 min. = ____ psi, 15 min. = ____ p
Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT 1200 PSI AT 3 BPM, BACK TO 1600 PSI AT 3.9 BPM
PUMP 2 BALL PER BBL, SERGE BALLS OFF.
PUMP 1st RATE 6.5 BPM AT 2500 PSI

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

TREATMENT REPOR

Date of Treatment: 11-16-93

Well Name Monument Fed. 12-12-J SEC. 12 TWN. 9S RNG. 16

Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5225-29, 5237-44

Treatment type: HCL BREAK DOWN Total Number of Holes: 11

Volume	Fluid	Conc.	Sand Characteristics Size	Volume
____ Gal.				
____ Gal.				
____ Gal.				
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	
____ Gal.			/	

TOTAL FLUID PUMPED: ____ gal. ____ % ____ Acid
____ gal. ____ fluid

TOTAL SAND VOL.: ____ lbs. ____ / ____ sand
____ lbs. ____ / ____ sand
____ lbs. ____ / ____ sand
____ lbs. ____ / ____ bauxite

Flushed well with ____ gal. of ____
22 ball sealers were pumped. Was ball action seen? ____
Barrels of Load to Recover ____ BLTR.
Avg. Treating Pressure = ____ psi, max = 4150 psi, min = ____ p
Avg. Treating Rate = ____ bpm, max = ____ bpm, min = ____ bpm
ISIP = ____ psi, 5 min. = ____ psi, 10 min. = ____ psi, 15 min. = ____ ps
Well will be shut in for ____ hrs. before bringing back fluid.

REMARKS: INTIAL BREAKAT — PSI AT BPM, BACK TO — PSI AT — BP
NO BREAK

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

TREATMENT REPORT

Date of Treatment: 11-17-93

Well Name Monument Fed. 12-12 J SEC. 12 TWN. 9S RNG. 16E

Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5225-29, 5237-44

Treatment type: HCL Break Down Western Total Number of Holes: 11

Volume	Fluid	Conc.	Sand Characteristics Size	Volume
____ Gal.				
____ Gal.				
____ Gal.				
____ Gal.			/	#
____ Gal.			/	#
____ Gal.			/	#
____ Gal.			/	#
____ Gal.			/	#
____ Gal.			/	#
____ Gal.			/	#
____ Gal.			/	#

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid
____ gal. ____ fluid

TOTAL SAND VOL.: ____ lbs. ____ / ____ sand
____ lbs. ____ / ____ sand
____ lbs. ____ / ____ sand
____ lbs. ____ / ____ bauxite

Flushed well with ____ gal. of ____
22 ball sealers were pumped. Was ball action seen? HH HH Ball off
Barrels of Load to Recover 102 BLTR.
Avg. Treating Pressure = 1600 psi, max = 4250/5000 psi, min = 1380 psi.
Avg. Treating Rate = 4.3 bpm, max = 4.3 bpm, min = 4.3 bpm.
ISIP = 900 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 1600 PSI AT 2 BPM, BACK TO 1600 PSI, 4.3 BPM SPOT ACID ON PERFS. SET PKR. START BREAK DOWN, START BALLS 2 PER BBL, surge balls off, pump for rate 4.2 BPM 2500 PSI

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

TREATMENT REPOR

Date of Treatment: 11-17-93

Well Name Monument Fed. 12-12J SEC. 12 TWN. 9S RNG. 16
Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5229-33, 5237-44, 5025-

Treatment type: SAND FRAC
medium

Total Number of Holes: 19

Volume	Fluid	Conc.	psi	BPM	Sand Characteristics Size	Volume
Gal.						
Gal.						
5500 Gal.	2% KCL	0	2700	33.4		
850 Gal.	"	2#	2660	32.9	20/40	1700
850 Gal.	"	3#	2660	32.9	20/40	2550
1000 Gal.	"	4#	2700	29.7	20/40	4000
1000 Gal.	"	5#	2650	30.6	20/40	5000
1000 Gal.	"	6#	2500	30.5	20/40	6000
1000 Gal.	"	6#	2460	30.2	16/30	6000
2000 Gal.	"	7#	2060	29.8	16/30	14000
4956 Gal.	" FLUSH	0			/	

TOTAL FLUID PUMPED: — gal. — % Acid
gal. fluid

TOTAL SAND VOL.: 29250 lbs. 20/40 sand
20000 lbs. 16/30 sand
lbs. / sand
lbs. / bauxite

Flushed well with gal. of
— ball sealers were pumped. Was ball action seen? —
Barrels of Load to Recover 450 BLTR.
Avg. Treating Pressure = 2250 psi, max = 3000 psi, min = 2060
Avg. Treating Rate = 30.5 bpm, max = 33.5 bpm, min = 29.8 bp
ISIP = 2200 psi, 5 min. = 1870 psi, 10 min. = 1570 psi, 15 min. = 1530
Well will be shut in for 18 hrs. before bringing back fluid.

REMARKS:

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

TREATMENT REPOR

Date of Treatment : 11-17-93

Well Name Monument Fed. 12-12 J SEC. 12 TWN. 9S RNG. 16

Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5225-29, 5237-44

Treatment type: HCL Break Down Total Number of Holes: 11

Western

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

TOTAL FLUID PUMPED: 500 gal. 15 % HCL Acid
gal. fluid

TOTAL SAND VOL. : lbs. / sand
lbs. / sand
lbs. / sand
lbs. / bauxite

Flushed well with gal. of
22 ball sealers were pumped. Was ball action seen? Ball off
Barrels of Load to Recover 102 BLTR.
Avg. Treating Pressure = 1600 psi, max = 4250/5000 psi, min = 1380
Avg. Treating Rate = 4.3 bpm, max = 4.3 bpm, min = 4.3 bp
ISIP = 900 psi, 5 min. = psi, 10 min. = psi, 15 min. =
Well will be shut in for hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT 1600 PSI AT 2 BPM, BACK TO 1600 PSI, 4.3 BPM
SPOT ACID ON PERFS. SET PKR. START BREAK DOWN,
START BALLS 2 PER BBL, surge Balls off,
Burn for Rate 7.2 BPM 2500 PSI

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/18/93

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

BALCRON MONUMENT FEDERAL #21-12J

---TIGHT HOLE---

Operator: EREC/Balcron
BOD WI: 79.78%
Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte
PTD: 5800' Green River Oil - Dev.

11-18-93 TD: 3,600' (1,050') Day 3
Formation: Green River
MW 8.3 VIS 26
Present Operation: Drilling
Drill, survey, replace hammer handle & clean on rig.
DC: $14,743 CC: $77,225

BALCRON MONUMENT FEDERAL #12-12J

---TIGHT HOLE---

Operator: EREC/Balcron
BOD WI: 79.78%
Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte

11-17-93 Completion
CP - 10 psi, TP - 0. RU Western to acid break down on 5225'-5244'. Safety mtg, pressure test surface equipment to 5000 psi - OK. Spot acid on perf, pull up & set packer @ 5189', EOT @ 5220', start break down - no break. Reset packer @ 5157' EOT @ 5189', break down. **Refer to treatment report.** TOOH w/tbg & packer. RU Western to frac. Start frac **refer to treatment report.**
DC: $26,420

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---

11-19-93 Completion
CP - 10 psi, TP - 10 psi. TOOH w/tbg, packer & BP. RIH w/production string:

	Length	Depth KB
1 jt tbg 2-7/8" EUE J-55 8rd 6.5#	31.30	5309.88'
1 perf sub 2-7/8" x 3'	3.20	5278.58'
1 seat nipple	1.10	5275.38'
171 jt 2-7/8" EUE J-55 8rd 6.5#	5264.28	5274.28'
KB	10.00	

ND BOP, NU wellhead. TIH w/production rod string: 1 BHP 2-1/2" x 1-1/2" x 16' RWAX w/PA plunger (Trico), 209 3/4" x 25' plain rods, one 3/4" x 8' pony; one 3/4" x 4' pony; one 1-1/4" x 22' polish rod SM. Clamp rods off. Pressure test to 1000# - OK. SWI.
DC: $1,742

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---

11-19-93 Completion
MIRU Cannon Well Service Rig #2. RU csg tools to lower 5-1/2" csg. SDFN.
DC: $206

11-20-93 Completion
Pulled 120,000# on 5-1/2" csg, could not pull out of slips. Cut 5-1/2" csg & weld bell nipple on. NU flange, NU BOP. TIH w/5-1/2" csg scraper, bit & 185 jts 2-7/8" tbg. Tag PBTD @ 5764' KB. Circ hole clean w/130 bbls 2% KCL wtr. Pressure test csg & BOP to 1000 psi - OK. TOOh w/tbg scraper & bit. SWI.
DC: $16,603

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/10/93

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

BALCRON MONUMENT FEDERAL #12-12J
---TIGHT HOLE---

Operator: EREC/Balcron
BOD WI: 79.78%
Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte

12-9-93 Completion
Start unit pumping, 5 SPM, 86" stroke length. Beam pump, Bethleham 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
---TIGHT HOLE---

Operator: EREC/Balcron
BOD WI: 79.78%
Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte

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'	
	5636.34'	20 centralizers

Cmt by Western with 204 sxs Thrifty lite & 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, & clean mud tank.
DC: $48,035 CC: $168,393

BALCRON MONUMENT FEDERAL #14-12J
---TIGHT HOLE---

Operator: EREC/Balcron
BOD WI: 79.78%
Location: SW SW Section 12, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit/Monument Butte

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

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

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

December 10, 1993

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

Gentlemen:

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

Enclosed is our sundry reporting first production on the subject well.

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

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

CONFIDENTIAL

5. Lease Designation and Serial No.: U-096550
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 #12-12J
9. API Well No.: 43-013-31410
10. Field and Pool, or Exploratory Area: Monument Butte / Green River
11. County or Parish, State: Duchesne County, Utah

1. Type of Well: [X] 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 NW Section 12, T9S, R16E 1980' FNL, 660' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Report of first production	[ ] 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 12-9-93 at 12:30 p.m.

RECEIVED
DEC 13 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 12-10-93

(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

TELECOPIER TRANSMITTAL SHEET

Our telecopier number is: (406) 245-1361

DATE: December 17, 1993

TO: Lisha

COMPANY: State of Utah

FROM: Molly Conrad

Total Number of Pages 2 (Including this cover sheet)

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL BACK AS SOON AS POSSIBLE AT (406) 259-7860.

TELECOMMUNICATOR: Same

SPECIAL INSTRUCTIONS: Entity Action Form You requested Original will follow in mail. Thanks.

NOTE: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL, AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUALS OR ENTITY NAMED ABOVE WHO HAVE BEEN SPECIFICALLY AUTHORIZED TO RECEIVE IT. IF THE READER IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN ALL PAGES TO THE ADDRESS SHOWN ABOVE. THANK YOU.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

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 QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	11492	11492	43-013-31410	Balcron Monument Federal # 12-12J	SW NW	12	9S	16E	Duchesne	10-9-93	10-9-93

WELL 1 COMMENTS:

Spud of a new well, please add to Jonah Unit Entity. Entity added 12-21-93. Lee

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

OIL AND GAS
RJF
FRM
SLS
GLH
DTS
MICROFILM
FILE

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

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

(3/89)

Bobbie Schuman
Signature
Coordinator of Environmental and Regulatory Affairs
Title
12-17-93
Date
Phone No. (406) 259-7860

DEC 17 '93 11:25AM BALCRON OIL DIV 1 406 245 1361 P.2/2

UTAH DIVISION OF OIL, GAS AND MINING
EQUIPMENT INVENTORY

Operator: EQUITABLE RESOURCES COMPANY Lease: State: ____ Federal: Y
Indian: ____ Fee: ____

Well Name: BALCRON MON FED #12-12J API Number: 43-013-31410
Section: 12 Township: 09S Range: 16E County: DUCHESNE Field: MONUMENT BUTTE
Well Status: POW Well Type: Oil: ____ Gas: Y

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 Y Centrifugal

LIFT METHOD:
Y Pumpjack ____ Hydraulic ____ Submersible ____ Flowing

GAS EQUIPMENT:

N Gas Meters N Purchase Meter N Sales Meter

TANKS: NUMBER		SIZE
Y	Oil Storage Tank(s)	2-400 BARREL W/BURNERS BBLS
Y	Water Tank(s)	1-130 BARREL PIT TANK. BBLS
	Power Water Tank	BBLS
	Condensate Tank(s)	BBLS
Y	Propane Tank	

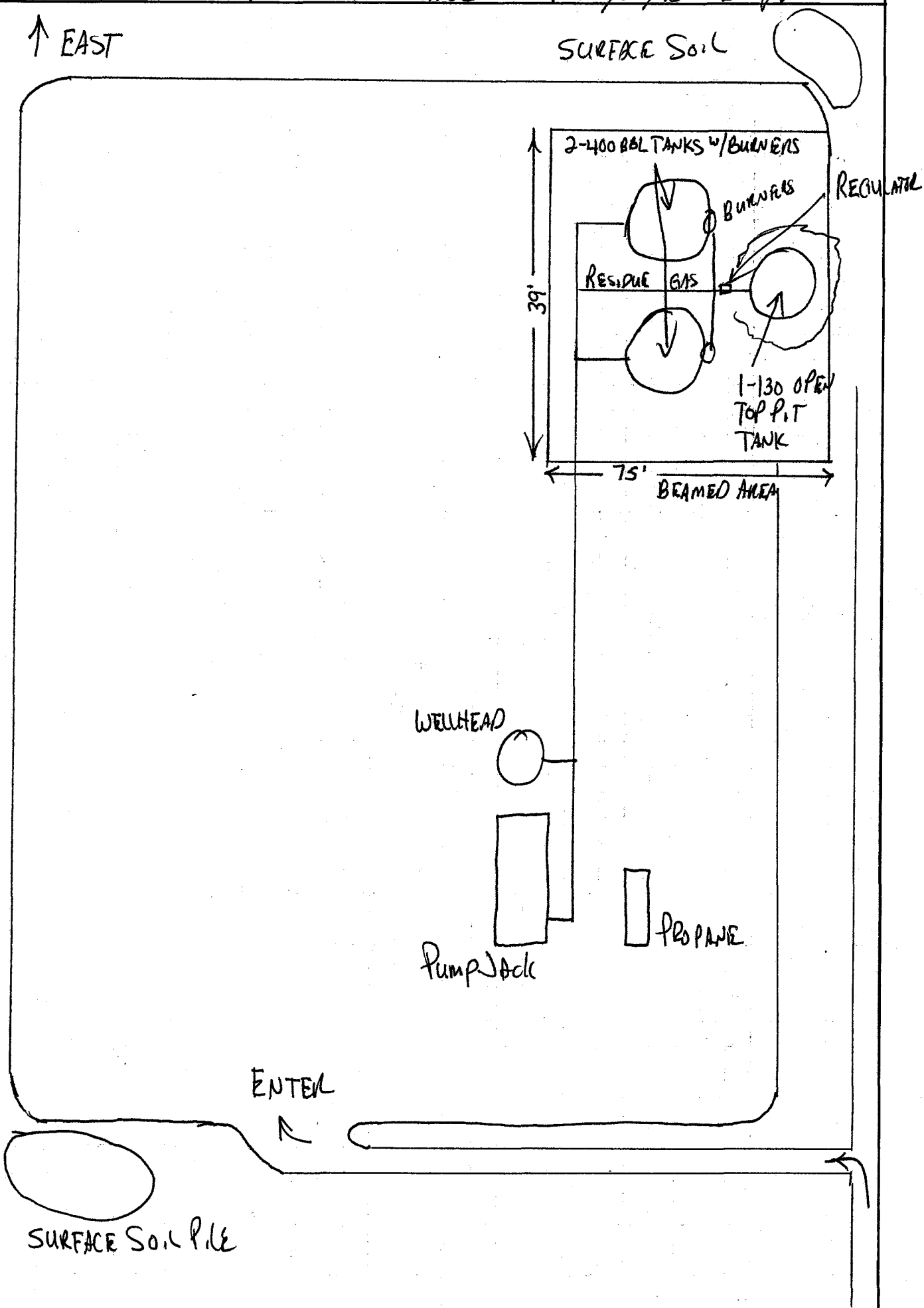
REMARKS: MOTOR & BURNERS FIRED BY WELLHEAD GAS WITH PROPANE BACKUP. GAS IS FLARING AT PIT WITH 80 PSI ON REGULATOR (NO SALES LINE TO DATE). CENTRIFUGAL PUMP USED FOR HEAT TRACE SYSTEM WITH GLYCOL.

Location central battery: Qtr/Qtr: ____ Section: ____ Township: ____
Range: ____

Inspector: DENNIS INGRAM Date: 12/21/93

EQUITABLE RESOURCES CO
BALCRON MON FED 12-12J
SEC 12 T9S R16E

43-013-31410
12/21/93



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company
Balcron Oil Division

OPERATOR ACCT. NO. N9890

ADDRESS P.O. Box 21017
Billings, MT 59104
(406) 2590-860

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	11492	11492	43-013-31410	Balcron Monument Federal # 12-12J	SW NW	12	9S	16E	Duchesne	10-9-93	10-9-93

WELL 1 COMMENTS: Entity added 12-28-93. Lee
Spud of a new well, please add to Jonah Unit Entity.

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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

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

(3/89)

RECEIVED
DEC 2 5 1993
DIVISION OF
OIL, GAS & MINING

Bobbie Schuman
Signature
Coordinator of Environmental and Regulatory Affairs
Title
12-17-93
Date

Phone No. (406) 259-7860

Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.: U-096550
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 #12-12J
9. API Well No.: 43-013-31410
10. Field and Pool, or Exploratory Area: Monument Federal/Green River
11. County or Parish, State: Duchesne County, Utah

1. Type of Well: [XX] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator: Equitable Resources Energy Company, BalcronOil 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 NW Section 12, T9S, R16E 1980' FNL, 660' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Site Security Diagram	[ ] Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Attached is the Site Security Diagram for this well.

JAN 10 1994
DIV. 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 1-7-94

(This space for Federal or State office use)

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

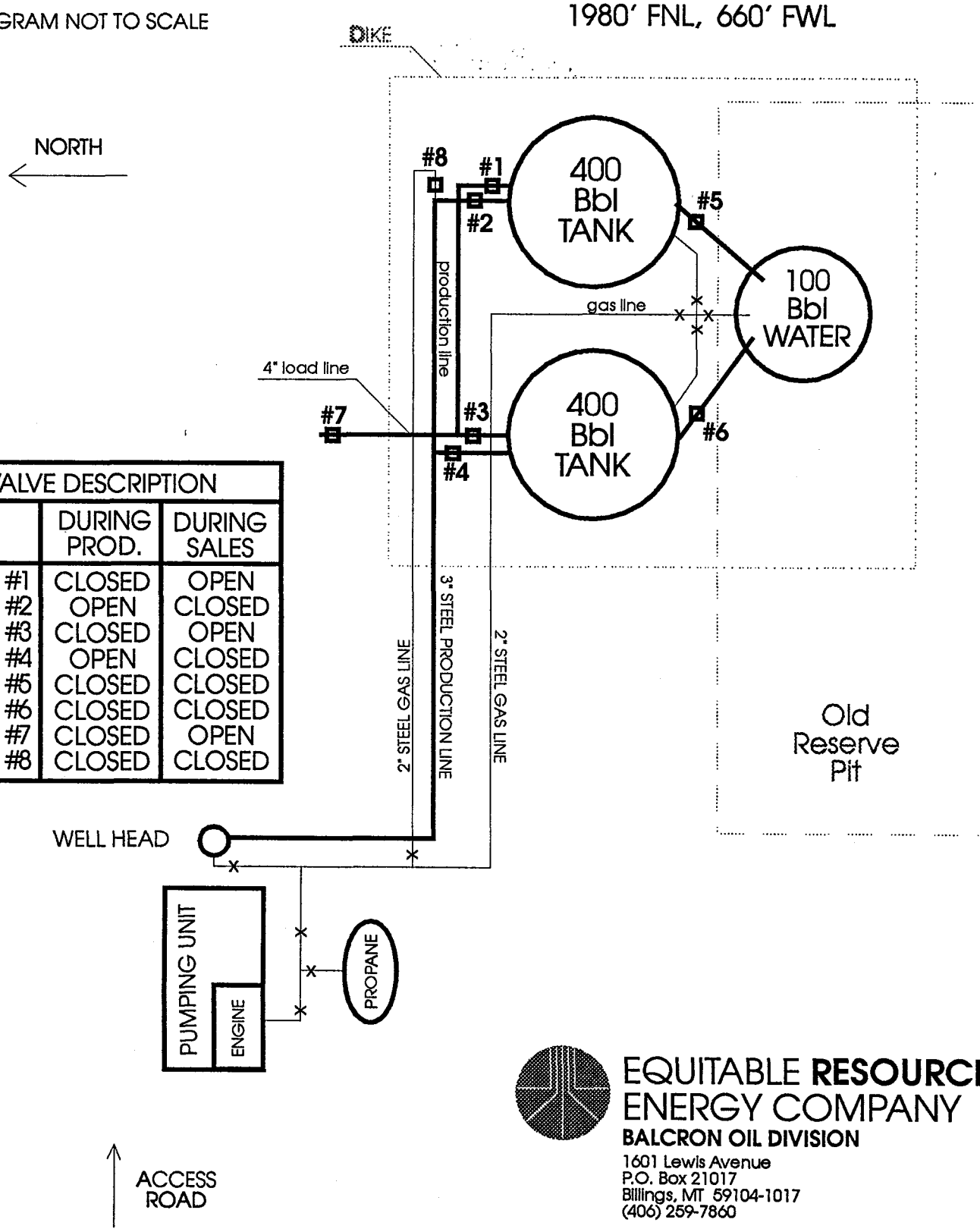
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Equitable Resources Energy Company
Balcron Monument Federal 12-12J
Production Facility Diagram

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

DIAGRAM NOT TO SCALE



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

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

Form 3160-5
June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: U-096550
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 #12-12J
9. API Well No.: 43-013-31410
10. Field and Pool, or Exploratory Area: Monument Butte/Green River
11. County or Parish, State: Duchesne County, Utah

1. Type of Well: [X] 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 NW Section 12, T9S, R16E 1980' FNL, 660' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Onshore Order #7	[ ] 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.

RECEIVED
JAN 10 1994
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 1-7-94

(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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
JAN 10 1994
DIVISION OF
OIL, GAS & MINING

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

1. Well name and number: Balcron Monument Federal #12-12J
   API number: 43-013-31410

2. Well location: QQ SW NW section 12 township 9S range 16E county Duchesne

3. Well operator: Equitable Resources Energy Company, Balcron Oil Division
   Address: P.O. Box 21017, Billings, MT 59104 phone: (406) 259-7860

4. Drilling contractor: Union Drilling
   Address: Drawer 40, Buckhannon, WV 26201 phone: (304) 472-4610

5. Water encountered (continue on reverse side if necessary)

Depth from	Depth to	Volume (flow rate or head)	Quality (fresh or salty)
		No measurable water reported during drilling operations.	

6. Formation tops: See Geologic Report ~~Submitted~~ 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
Title Coordinator of Environmental and ~~Regulatory Affairs~~
Signature Bobbie Schuman
Date 1-7-94

Comments:

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

CONFIDENTIAL

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

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

JAN 10 1994

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL, 660' FWL
At top prod. interval reported below
At total depth

DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: U-096550
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.: [redacted]
10. FIELD AND POOL, OR WILDCAT: Monument Butte/Green River
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SW NW Section 12, T9S, R16E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-013-31410	9-7-93	Duchesne	UTAH

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-9-93	11-6-93	12-9-93	5542.82' GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5800'	5732'	n/a	→	Sfc - TD	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5029'-5244' Green River

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL - SDL - DSN - GR MWD 12-21-93

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#	276.69' KB	12-1/4"	150 sxs "G" + additives	n/a
5-1/2"	15.5#	5777.59'	7-7/8"	220 sxs Hyfill and 290 sxs 50-50 POZ	n/a

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5309.88'	n/a

31. PERFORATION RECORD (Interval, size and number)
5029'-33' (4 holes)(2 SPF)
5225'-29' (4 holes)
5237'-44' (7 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5029'- 5033'	12 bbls 15% HCL
5225'-5244'	12 bbls 15% HCL
5029'-5244'	29,250# 20/40 sand and 20,000# 16/30 sand in 450 bbls 2% KCL water.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12-9-93	1-1/2" Insert Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-12-93	24	n/a	→	20	15	10	5

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	20	15	10	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 Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE 1-7-94

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No DST's run.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
See Geologic Report submitted separately.		

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

CONFIDENTIAL

FEB 25 1994

February 23, 1994

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

Gentlemen:

RE: Balcron Monument Federal #21-15J
Balcron Monument Federal #14-11J
Balcron Monument Federal #14-5J
Balcron Monument Federal #13-8
Balcron Monument Federal #14-8
Balcron Monument Federal #12-12J 43-013-31410
Balcron Monument Federal #23-5
Balcron Monument Federal #23-11J

Enclosed for your records is the complete package of daily operating reports on the subject 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

FEB 25 1994

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #12-12J
Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah
1980' FNL 660' FWL
PTD: 5,800' Formation: Green River
Prospect: JONAH UNIT, Monument Butte Field
Elevations: 5,542.82' GL
Contractor: Union Drilling #17 (10' KB)
Operator: Balcron/EREC
Spud: 10-9-93 @ 10 a.m. (Dry-Hole)
Casing: 8-5/8" 24# J-55 @ 276.69' KB
5-1/2" 15.5# K-55 @ 5777.59'
Tubing: 2-7/8" 6.5# J-55 @ 5309.88' KB

10-9-93 Well spud w/a dry-hole spudder (Leon Ross) on 10-9-93 @ 10 a.m.

10-7-93 Stubbs started building location.

10-8-93 Building location.

10-9-93 Digging pits on location, Leon Ross Air Drilling RU & spudded @ 10 a.m.. Drilling 12-1/4" hole to 275', TD @ 8 p.m.

10-10-93 Ran 6 jts 24#, J-55 Newport 8-5/8" csg 266.69', set @ 276.69 KB. Cmt w/150 sxs "G" w/additives. Run wood top plug.

10-31-93 TD: 645' (369') Day 1
Formation: Uintah
MW 8.3 VIS 26
Present Operation: Drilling
MIRU, NU. Test BOP & manifold to 2000# - OK. Test csg to 1500# - OK. Drill cmt & shoe & survey. Change air head rubber & drill. Change time back 2 hr - 25 hrs drilling.
DC: $11,881 CC: $33,303

11-1-93 TD: 2,026' (1,381') Day 2
Formation: Green River
MW 8.3 VIS 26
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: $18,215 CC: $51,518

11-2-93 TD: 3,205' (1,179') Day 3
Formation: Green River
MW 8.3 VIS 26
Present Operation: Drilling
Drill, survey, clean on rig, & work on winterizing.
DC: $16,147 CC: $67,665

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #12-12J **---TIGHT HOLE---**
Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

11-3-93 Td: 4,168' (963') Day 4
Formation: Yellow Zone
MW 8.4 VIS 26
Present Operation: Drilling
Drill, survey, clean & paint.
DC: $12,812 CC: $80,477

11-4-93 TD: 5,071' (903') Day 5
Formation: Green Zone
MW 8.3 VIS 26
Present Operation: Drilling
DC: $12,416 CC: $92,893

11-5-93 TD: 5,800' (729') Day 6
Formation: Green River
MW 8.3 VIS 26
Present Operation: Trip for logs.
Drill, survey, unload 2nd load of 5-1/2" csg. At TD blow hole clean, load & circ hole w/fluid, TOH for logs. TD @ 12:00 midnight.
DC: $13,092 CC: $105,985

11-6-93 TD: 5,800' (0') Day 7
Formation: Green River
Present Operation: RDMO
Finish TOH, RU Halliburton logging & log well. TIH & LD drill pipe & collars. RU casers & run 5-1/2" csg. Circ, cmt by Halliburton. Set slips, ND BOP, & clean mud tanks. Csg as follows:
Guide Shoe .60'
1 jt 5-1/2" shoe jt 43.19'
Float collar 1.10'
132 jts 5-1/2" 15.5#, K-55 5723.70'
5768.59

Land jt 9.00'
Csg set @ 5777.59'
PBTD - 5732', 20 centralizers.
Cmt by Halliburton w/220 sxs Hyfill & tail w/290 sxs 50-50 POZ.
Plug down @ 1:30 a.m. 11-6-93. Rig released @ 5:30 a.m. 11-6-93.
Dc: $64,054 CC: $170,039

11-13-93 Completion
MIRU. RU tanks & pump.
DC: $755

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #12-12J **---TIGHT HOLE---**
Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

11-15-93 Completion
TIH w/4-3/4" bit, 5-1/2" scraper & 176 jts 2-7/8" tbg, EUE J-55 8rd 6.5#. Tag PBTD @ 5727' KB. CIrc well w/125 bbls of 2% KCL wtr. TOOH w/tbg & BHA. RU Schlumberger to perf 5024'-33' (4 holes), 5225'-29' (4 holes), & 5237'-44' (7 holes). RD Schlumberger. TIH w/RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 163 ts 2-7/8" tbg, set BP @ 5064' KB, set packer @ 4962' KB, EOT @ 5003' KB. RU Western to do KCL break down **refer to treatment report.** No break, packer started leaking. Run standing valve to test tbg to 4000 psi - OK. Fish standing valve. SWIFN.
DC: $27,604

11-16-93 Completion
CP - 0, TP - 0. TOOH w/tbg, packer & retrieving tool. RU Cutters to perf 5029'-33' (2 SPF). RD Cutters. TIH w/retrieving tool, HD packer, SN & 161 jts 2-7/8" tbg. Set packer @ 4984' KB, EOT @ 5003'. RU Western to do HCL break down on perfs 4029-33'. Spot 500 gals 15% HCL @ EOT, set packer **refer to treatment report.** Pressure test surface euqipment to 5000 psi - OK. Could not pump into perfs at 4000 psi, lower EOT to reset BP @ 5260' & set packer @ 5189' & EOT @ 5220'. Start break down - no break. Release packer set end of tbg @ 5241'. SWIFN.
DC: $8,919

11-17-93 Completion
CP - 10 psi, TP - 0. RU Western to acid break down on 5225'-5244'. Safety mtg, pressure test surface equipment to 5000 psi - OK. Spot acid on perf, pull up & set packer @ 5189', EOT @ 5220', start break down - no break. Reset packer @ 5157' EOT @ 5189', break down. **Refer to treatment report.** TOOH w/tbg & packer. RU Western to frac. Start frac **refer to treatment report.**
DC: $26,420

11-19-93 Completion
7:00 AM Casing - 0 psi, tubing - 0 psi. Flow back, BW. TIH w/1 jt. 2-7/8" tbg, retrieving head, 5-1/2" pkr, SN, & 161 jts 2-7/8" tbg. Tag sand at 5019', circ down to 5250'. Set pkr @ 4989'. Made 12 swab runs. Recovered 72 BW, trace oil. Release pkr, circ sand out to 5260'. Retrieve BP. POOH w/20 jts tbg. (No sand). SWIFN.
DC: $10,031

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #12-12J **---TIGHT HOLE---**
Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

11-19-93 Completion
CP - 10 psi, TP - 10 psi. TOOH w/tbg, packer & BP. RIH w/production string:

	Length	Depth KB
1 jt tbg 2-7/8" EUE J-55 8rd 6.5#	31.30	5309.88'
1 perf sub 2-7/8" x 3'	3.20	5278.58'
1 seat nipple	1.10	5275.38'
171 jt 2-7/8" EUE J-55 8rd 6.5#	5264.28	5274.28'
KB	10.00	

ND BOP, NU wellhead. TIH w/production rod string: 1 BHP 2-1/2" x 1-1/2" x 16' RWAX w/PA plunger (Trico), 209 3/4" x 25' plain rods, one 3/4" x 8' pony; one 3/4" x 4' pony; one 1-1/4" x 22' polish rod SM. Clamp rods off. Pressure test to 1000# - OK. SWI.
DC: $1,742

12-9-93 Completion
Start unit pumping, 5 SPM, 86" stroke length. Beam pump, Bethleham C-320-212-86 unit, S/N 30617E-31 3665. Engine - Ajax model E-42 S/N 68203.
DC: $33,790

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
AUG - 3 1994
DIV. OF OIL, GAS & MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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

Well name and number: Balcron Monument Federal #12-12J

Field or Unit name: Monument Butte Field/Jonah Unit Lease no. U-096550

Well location: QQ SW NW section 12 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . Yes [X] No []

Will the proposed well be used for: Enhanced Recovery? . . Yes [X] No []
Disposal? . . . . . Yes [] No [X]
Storage? . . . . . Yes [] No [X]

Is this application for a new well to be drilled? . . . . . Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? . . . . . Yes [] No [X]
Date of test: _____
API number: 43-013- 31410

Proposed injection interval: from 5,029' to 5,244'

Proposed maximum injection: rate 600 BWPD pressure 2000 psig

Proposed injection zone contains [X] oil, [] gas, and/or [] fresh water within ¼ 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 Bobbie Schuman Signature Bobbie 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:

(3/89)

INJECTION PERMIT TRACKING RECORD

Company: Equitable **Well:** 12-12S

Location: Sec. 12 **Twn:** 9S **Rng:** 16E **QtQt:** SWNW

County: Duch **Field:** M.B **Unit:** Jonah

API No.: 43-013-31410

Date Received: 8/3/99

Cause Number:

Notice Date:

Conversion Approval:

Permit Issued:

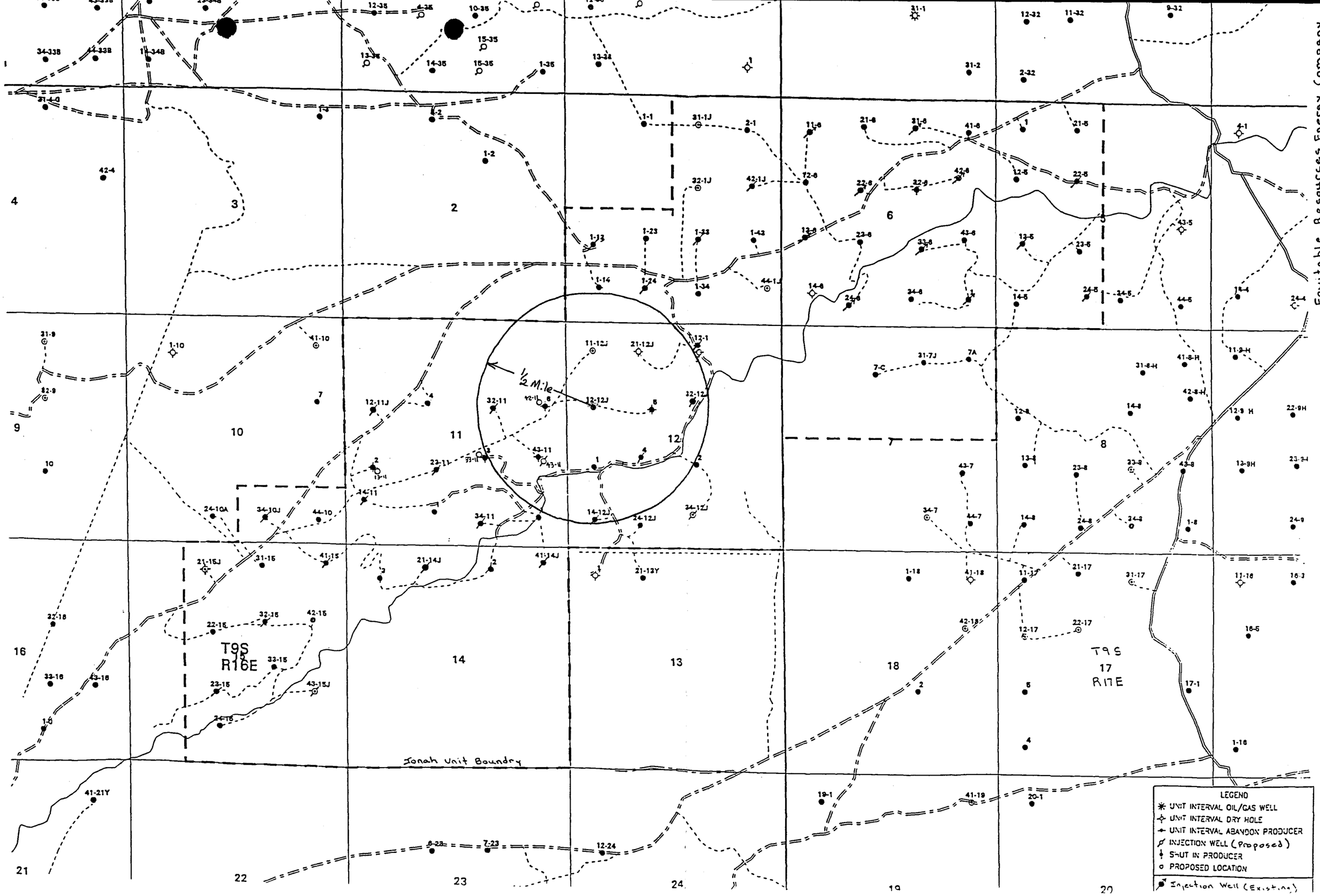
Commencement:

Drilled: Y

Code: E

Hearing Date:

Wells In AOR:


Equitable Resources Energy Company
Balcron Oil Division
Jonah Unit
Project Area
3-17-94
12-12J
Figure-1h
1/2-Mile Radius Review Area - BMF * 12-12J
1/2 Mile
T9S
R16E
T9S
R17E
Jonah Unit Boundry
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)

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,

Lisa D. Clement

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

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Sincerely,

Lisa D. Clement

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168

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

Lisa D. Clement
Administrative Secretary
September 1, 1994

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

---ooOoo---

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, S.L.M., DUCHESNE COUNTY, UTAH, TO CLASS II INJECTION WELLS	:	NOTICE OF AGENCY ACTION CAUSE NO. UIC-152

---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

WUI101

143 SOUTH MAIN ST
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune (NAC) DESERET NEWS

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CALL (801) 237-2822

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE 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 CIRCURATION IN UTAH, AND PUBLISHED CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

SEP 12 1994

94

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, S.L.M., DUCHESNE COUNTY, UTAH, TO CLASS II INJECTION WELLS.

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

98710280

ACCOUNT NAME	TELEPHONE
& MINING	801-538-5340

SCHEDULE	AD NUMBER
	98710280

CAPTION	MISC. CHARGES
NOTICE OF AGENCY ACTIONCAUSE NO. UIC-152BEFOR	.00

	TIMES	RATE	AD CHARGE
2 COLUMN	1	1.64	160.72
ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE	160.72

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SLC, UT 84180

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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 ± 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 abandonded 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 annulas 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	09-30-94
Reviewers	Date

Form 3160-5
(June 1990)

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

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

1. Type of Well: [x] 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

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[x] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[x] Conversion to Injection
	[ ] Other _____	[ ] 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

Bobbie Schuman

(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

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

BALCRON MONUMENT FEDERAL #12-12J
Jonah Unit/Monument Butte Field
Lease No. U-096550
SW NW Section 12, T9S, R16E
Duchesne County, Utah

BALCRON OIL
7-5-94/ks

15

Proposed Injection Well Completion Diagram

Elev.GR @ 5542'
Elev.KB @ 5552' KB (10' KB)

SURFACE CASING

8-5/8", 24#, J-55
Length @ 266.69'
Depth Landed @ 277' KB
Cemented w/150 sxs Class "G" w/2% CaCl, 1/4#/sx Celoflakes.
Cemented to surface.
Hole size @ 12-1/4".

PRODUCTION CASING

5-1/2", 15.5#, K-55
Length @ 5768.59'
Depth Landed @ 5777.59' KB.
Cemented w/220 sxs Hyfill and tailed w/290 sxs 50-50 POZ.
Cement top @ 4,185' from CBL.
Hole size 7-7/8".

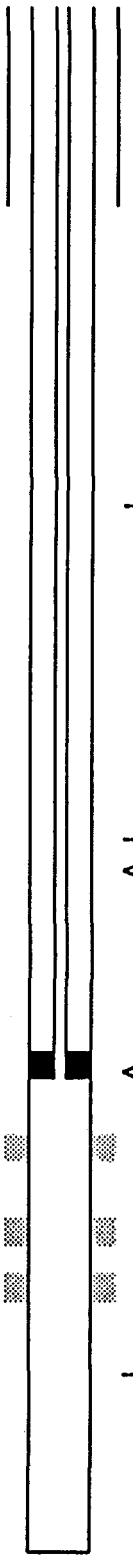
TUBING

2 7/8", 6.5#, J-55
SN @ 2-7/8" x 1.1'(2.25" ID)
SN Landed @ 4926' KB

Retrievable Csg Tension Packer
Model: Arrow Set-1
Landed @ 4930' KB

Proposed Injection Horizons

5029'- 5033'(4') 4 shots	GREEN 1
5225'- 5229'(4') 4 shots	GREEN 4
5237'- 5244'(7') 7 shots	GREEN 4



<--- 277' KB

--- Uintah Formation @ Surface to 1400' ---

--- Green River Formation @ 1400' to 4100' ---
<---- Top of Cement @ 4185' from CBL

<---- Retrievable Csg Tension Packer @ 4930' KB

PERFORATION RECORD

5029'- 5033'(4') 4 shots	GREEN 1
5225'- 5229'(4') 4 shots	GREEN 4
5237'- 5244'(7') 7 shots	GREEN 4

--- Douglas Creek Member @ 4100' to 5350' ---

PBTD @ 5732'KB
TD @ 5800'KB

--- Wasatch Formation Transition @ 5350' to 6000' ---
--- Wasatch Formation @ 6000' ---

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 ☒

SEP 13 1994

September 12, 1994

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

BALCRON MONUMENT Federal 12-12J
SEC 12 T9S R16E
43-013-31410

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

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

10/4/94
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)

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

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 17 1995

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

5. Lease Designation and Serial No.: U-096550

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

7. If Unit or CA, Agreement Designation: Jonah Unit

1. Type of Well: [ ] Oil Well [ ] Gas Well [X] Other WIW

8. Well Name and No.: Balcron Monument Federal #12-12J

2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division

9. API Well No.: 43-013-31410

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): SW NW Section 12, T9S, R16E
739' FNL, 648' FWL

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	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[X] Conversion to Injection
	[ ] Other _____	[ ] 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 Dobbie Schuman Title Regulatory and Environmental Specialist Date January 13, 1995

Dobbie Schuman

(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

Balcron Monument Federal #12-12J
Jonah Unit/Monument Butte Field
Lease No. U-096550
SW NW Section 12, T9S, R16E
Duchesne County, Utah

WELL HISTORY REPORT

Date	Work Description
	Conversion of well to water injection.
9-22-94	- MIRU Basin Well Service, TOOH w/rods,pump, & tbg, RDMO.
10-7-94	- MIRU Cannon Well Service, RIH w/bit & scrapper to TD.
10-8-94	- RIH w/ 2 7/8" injection tbg & Arrow Set-1 packer.
	- Pump 55 gals Champion Cortron #23-83 corrosion inhibitor mixed w/ 60 STBW down csg.
	- Set packer @ 4929' KB, NU wellhead, pressure test csg annulus to 1000 psig. no loss, RDMO.
10-18-94	Perform MIT, pressure csg annulus to 1000 psig for 15 min., no loss, tbg @ 800 psig, Utah OG&M wittness Dan Jarvis.
10-28-94	RU Alnigther Hot Oil Service, mix 5 gals Wsetern Claymaster & 10 gals 940 surfactant w/ 130 STB 2% KCl water, pump down tbg @ 180 deg.F., 0.5 STBPM @ 1800 psig, start water injection @ 125 STBPD.

Balcron Monument Federal #12-12J
SW NW Section 12, T9S, R16E
737' FNL & 648' FWL
Lease No. U-096550
Jonah Unit/Monument Butte Field
Duchesne County, Utah

BALCRON OIL
1-11-94 JZ

Injection Well Completion Diagram

UTAH CAUSE NO.: UIC-152

Elev.GR @ 5542'
Elev.KB @ 5552' KB (10' KB)

SURFACE CASING

8-5/8", 24#, J-55
Length @ 266.69'
Depth Landed @ 277' KB
Cemented w/150 sxs Class "G" w/2% CaCl, 1/4#/sx Celoflakes.
Cemented to surface.
Hole size @ 12-1/4".

<--- 277' KB

PRODUCTION CASING

5-1/2", 15.5#, K-55
Length @ 5768.59'
Depth Landed @ 5777.59' KB.
Cemented w/220 sxs Hyfill and tailed w/290 sxs 50-50 POZ.
Cement top @ 4,185' from CBL.
Hole size 7-7/8".

- Uintah Formation @ Surface to 1400'

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 159 jnts 2 7/8" tbg	4911.20	4921.20
2) 2 7/8" SN (2.25" ID)	1.10	4922.30
3) 2 7/8"x 2 3/8" X-Over	0.60	4922.90
4) 5.5" Arrow Set-1 Pkr	6.20	4929.10
End of Tubing		4929.10

- Green River Formation @ 1400' to 4100'

<-- Top of Cement @ 4185' from CBL

<--Arrow Set-1 Packer @ 4929' KB

Injection Packers Set 10-14-94 By Mtn States.
Arrow Set-1 Pkr 5 1/2"x 2 3/8"
2 7/8" SN ID @ 2.25".
Arrow Set-1 Pkr set w/ 16" Tension.
Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

25%
12%
63%

PERFORATION RECORD

5029'- 5033'(4') 4 shots	GREEN 1
5225'- 5229'(4') 4 shots	GREEN 4
5237'- 5244'(7') 7 shots	GREEN 4

Injection Horizons

5029'- 5033'(4')	GREEN 1
5225'- 5229'(4')	GREEN 4
5237'- 5244'(7')	GREEN 4

- Douglas Creek Member @ 4100' to 5350'

Tracer Survey ran 12-19-94.

PBTD @ 5732'KB
TD @ 5800'KB
- Wasatch Formation Transition @ 5350' to 6000'
- Wasatch Formation @ 6000'

BALCRON OIL

WELL REPORT

WELL NAME: Balcron Monument Federal #12-12J
FIELD: Jonah Unit/Monument Butte Field
FEDERAL LEASE NO.: U-096550
LOCATION: SW NW Section 12, T9S, R16E
737' FNL & 648' FWL
COUNTY/STATE: Duchesne County, Utah
WORKING INTEREST: 0.805079506
PRODUCING FORMATION: Green River
COMPLETION DATE: 12-9-93
INITIAL PRODUCTION: 20 STBOPD,15 MSCFPD,10 STBWPD
LAST PRODUCTION: 5 STBOPD, 30 MCFPD, 0 STBWPD
PRESENT PROD STATUS: Water Injection Well
Started Water injection 10-28-94.
CONVERSION TO INJ.: 10-8-94
INJECTION RATE: 125 STBWPD
ELEVATIONS - GROUND: 5542'
TOTAL DEPTH: 5800'

DATE: 1-11-94 JZ

API NO.: 43-013-31410
UTAH CAUSE NO.: UIC-152

NET REVENUE INT.: 0.73831617 Oil
0.66359285 Gas
SPUD DATE: 10-9-93
OIL GRAVITY: 34 API
BHT: 149 Deg F

LAST MIT DATE: 10-18-94
1000 psig for 15 min., no loss.

KB: 5552' KB (10' KB)
PLUG BACK TD: 5732' KB

SURFACE CASING

STRING: #1
SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24 #
LENGTH: 6 jts @ 266.69'
HOLE SIZE: 12-1/4"
DEPTH LANDED: 277' KB
CEMENT DATA: 150 sxs Class G w/2%CaCl
& 1/4#/sx Celoflakes w/
cement returns to surface.

PRODUCTION CASING

STRING: #1
SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5 lbs
LENGTH: 5768.59'
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5777.59' KB
CEMENT DATA: 220 sxs Hyfill tailed w/
290 sxs 50-50 POZ
CEMENT TOP AT: 4185' KB from CBL

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 159 jnts 2 7/8" tbg	4911.20	4921.20
2) 2 7/8" SN (2.25" ID)	1.10	4922.30
3) 2 7/8"x 2 3/8" X-Over	0.60	4922.90
4) 5.5" Arrow Set-1 Pkr	6.20	4929.10
End of Tubing		4929.10

Injection Packers Set 10-14-94 By Mtn States.
Arrow Set-1 Pkr 5 1/2"x 2 3/8"
2 7/8" SN ID @ 2.25".
Arrow Set-1 Pkr set w/ 16" Tension.
Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

Injection Horizons

5029'- 5033'(4')	GREEN 1
5225'- 5229'(4')	GREEN 4
5237'- 5244'(7')	GREEN 4

LOGS: Dual Laterolog Microspherically Focused Log; Spectral Density Dual Spaced Neutron Log; Mud Log; Cement Bond/Gamma Ray & Casing Collar Log

PERFORATION RECORD

5029'- 5033'(4') 4 shots	GREEN 1
5225'- 5229'(4') 4 shots	GREEN 4
5237'- 5244'(7') 7 shots	GREEN 4

ACID JOB

5029'- 5033' KB 5225'- 5229' KB 5237'- 5244' KB	Total treatment over all zones of 500 gals 15% HCl

FRAC JOB

5029'- 5033' KB 5225'- 5229' KB 5237'- 5244' KB	W/Western, limited entry frac w/29,250# 20/40 mesh sand & 20,000# 16/30 mesh s 18,156 gallons gelled 2% KCl water. ATP 2250 psi, max 3000 psi. ATR 30.5 BPM, m 33.5 BPM. ISIP 2200 psi, 5-1670, 10-1570, 15-1530.

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: 10/18/94	Well Owner/Operator: BAkron	
Disposal Well: _____	Enhanced Recovery Well: X	Other: _____
API No.: 43-013-31410	Well Name/Number: 12-12J	
Section: 12	Township: 9S	Range: 16E

Initial Conditions:

Tubing - Rate: SI Pressure: 800 psi

Casing/Tubing Annulus - Pressure: 1000 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1000	800
5	1000	"
10	1000	"
15	1000	"
20		
25		
30		

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 800 psi

Casing/Tubing Annulus Pressure: _____ psi

REMARKS: Passed MIT. Well is ready for injection

Operator Representative

DOGM Witness

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 ☑

RECEIVED
MAR 20 1995
DIV OF OIL, GAS & MINING

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

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

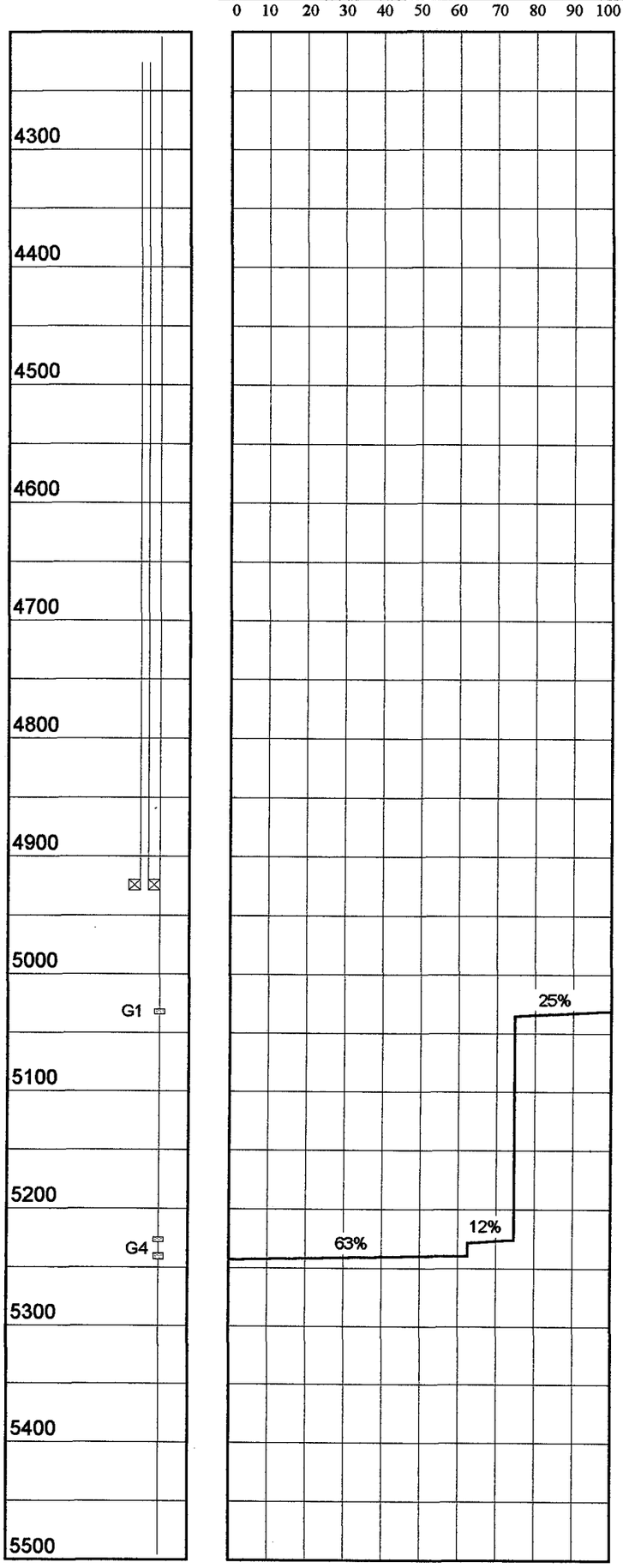
Attachments

EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION

INJECTION PROFILE

MONUMENT FEDERAL 12-12J

Date: 12/19/94	Desired Rate: 125 B/D
Surface Temp: 46 F	Metered Rate: 131 B/D
BHT: 152 F	Measured Rate: 101 B/D
PBTD: 5737	Tbg Pressure: 1500 PSI
TD: 5674	Csg Pressure: 0 PSI



43-013-[illegible]

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

RECEIVED
APR 4 1996
DIV. OF OIL, GAS & MIN

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

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

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

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 ☒

RECEIVED
APR - 8 1996
DIV OF OIL, GAS & MINING

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

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number: See attached listing

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

7. Unit Agreement Name: See attached listing

8. Well Name and Number: See attached listing

9. API Well Number: See attached listing

10. Field and Pool, or Wildcat: See attached listing

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number: 1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing
County: See attached list
QQ, Sec.,T.,R.,M.:
State: UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- ☐ 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.

1996

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

(This space for State use only)

(4\94)

(See Instructions on Reverse Side)

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	~~16E~~ 17E	5	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	43-013-31003	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
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
EQUITABLE RE	43-013-31410	12-12J	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	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
EQUITABLE RE	43-013-30666	44-7	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31382	13-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31427	33-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30675	24-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30643	44-8-17B	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31580	13-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30616	11-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30518	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30516	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31467	42-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRAKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N

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	11422
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	11426
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	11438
MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A	11431
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		

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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:
1. LEC 7-SJ
2. DTS 8-FILE
3. VLD (GIL)
4. RJF
5. LEC
6. FILM

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

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

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

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

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

Name	API	Entity	Sec	Twp	Rng	Lease Type
SEE ATTACHED	013-31410					

OPERATOR CHANGE DOCUMENTATION

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)

N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.

* 4. **(For Indian and Federal Wells ONLY)** The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above~~. (4-10-96)

Lec 6. Cardex file has been updated for each well listed above. (4-11-96)

Lec 7. Well file labels have been updated for each well listed above. (4-11-96)

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)

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.

– OVER –

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Lec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

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

Lec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

___ 2. A copy of this form has been placed in the new and former operators' bond files.

N/A 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

4/22/96

DTS 2. Copies of documents have been sent to State Lands for changes involving **State leases**.
Sent to Ed Bonner — Trust Lands

FILMING

VDR 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

9/6/96 Blm/BIA "Formal approval not necessary".

WE71/34-35

FORM 9

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 [X] GAS [ ] OTHER:

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2. Name of Operator: Inland Production Company

3. Address and Telephone Number: 475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec.,T.,R.,M.:

County:

State:

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

NOTICE OF INTENT (Submit in Duplicate)

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

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

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

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.

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

(This space for State use only)

4\94)

(See Instructions on Reverse Side)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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RECEIVED
OCT 13 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached **JONAH (GREEN RIVER) UNIT

Field or Unit name: See Attached API no. See Attached

Well location: QQ _____ section ___ township ____ range ____ 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

RECEIVED
OCT 20 1997
DIV. OF OIL, G...

(3/89)

EQUITABLE RESOURCES
ENERGY COMPANY
WESTERN REGION
(406) 259-7860 Telephone
(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad

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

RECEIVED
JAN 14 1998
DIV OF OIL, GAS

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	4301315111100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	4301315178000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301315177900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301315178900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	4301315179200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	4301330702005S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	4301330703005S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	4301330646005S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	4301330701005S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	4301330735005S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	4301330736005S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	4301330734005S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	4301331362005S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301331492005S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	4301330889005S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	4301331417005S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	4301331410005S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	4301330611005S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301330582005S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301331493005S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	4301315790005S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	4301331370005S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301330918005S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301331374005S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	4301331411005S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	4301331385005S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301315112005S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	4301315793005S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	4301330603005S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
~~UTU72086A~~	~~4301331406005X1~~	~~21-12J~~	~~NENW~~	~~12~~	~~9S~~	~~16E~~	~~ABD~~	~~UTU096550~~	~~EQUITABLE RESOURCES ENERG~~
UTU72086A	4301331421005S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
~~UTU72086A~~	~~4301331422005X1~~	~~21-15J~~	~~NENW~~	~~15~~	~~9S~~	~~16E~~	~~ABD~~	~~UTU017985~~	~~EQUITABLE RESOURCES ENERG~~
UTU72086A	4301330612005S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301330584005S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301315796005S2	22-12J	SENW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	4301330634005S1	22-15	SENW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	4301331384005S1	22-5	SENW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301330919005S1	22-6	SENW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301331369005S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	4301331373005S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	4301331383005S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301330558005S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301331409005S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	4301330631005S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	4301331375005S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	4301331363005S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	4301315791005S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	4301330613005S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

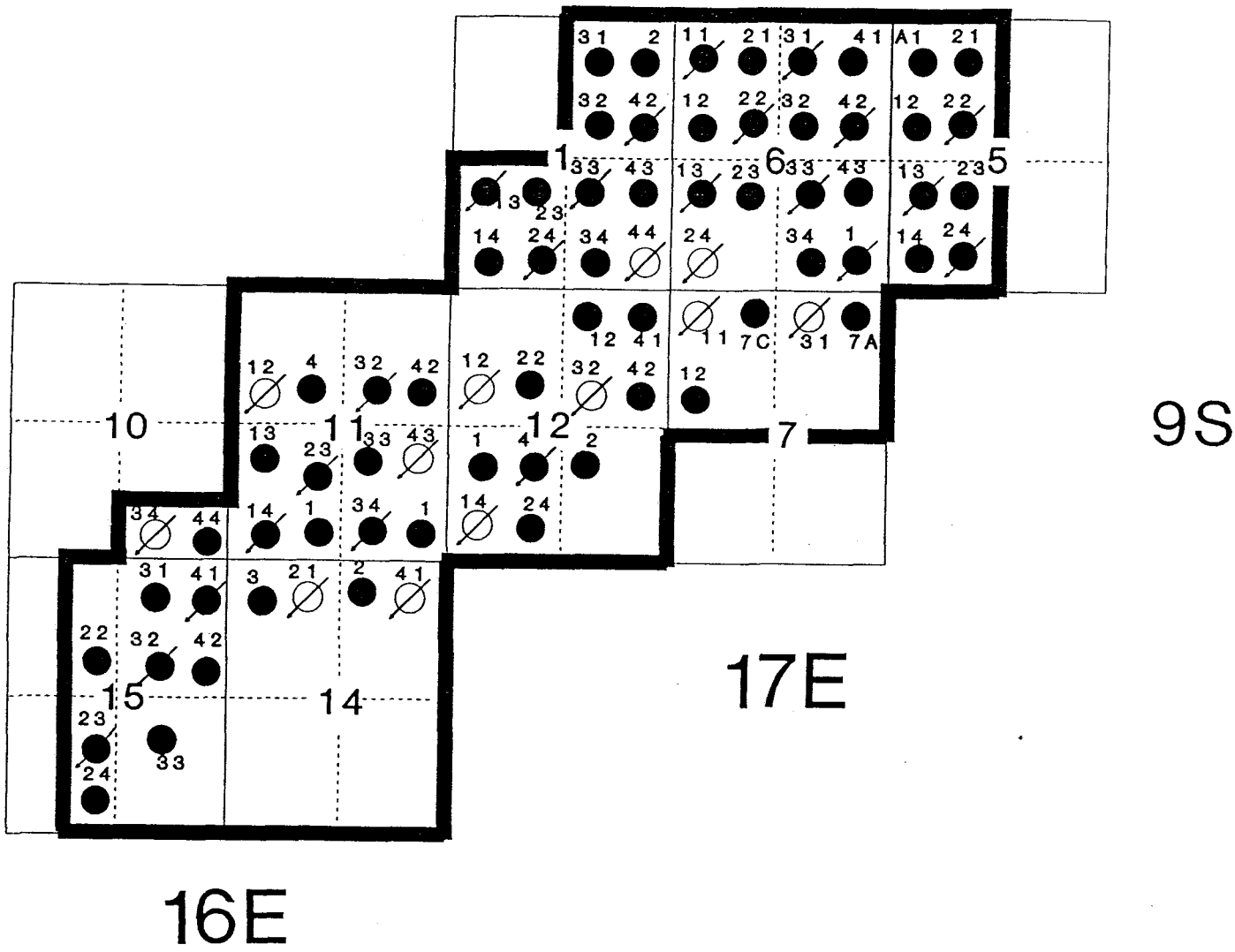
WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	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%

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC	6-LEC
2-GLH	7-KAS
3-DTS/TS	8-SJ
4-VLD	9-FILE
5-JRB	

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

XXX Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

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

TO: (new operator) INLAND PRODUCTION COMPANY
(address) PO BOX 1446
ROOSEVELT UT 84066
Phone: (801)722-5103
Account no. N5160

FROM: (old operator) EQUITABLE RESOURCES ENERGY
(address) PO BOX 577
LAUREL MT 59044
C/O CRAZY MTN O&G SVS
Phone: (406)628-4164
Account no. N9890.

WELL(S) attach additional page if needed: *JONAH (GREEN RIVER) UNIT

Name:	API:	Entity:	S	T	R	Lease:
SEE ATTACHED	43-013-31410					

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/QuatroPro 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.

dons\wpdocs\forms\operchng

- OVER -

OPERATOR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Yes 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
Entity 11492 "Jonah (GR) Unit".

N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

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

___ 2. A **copy of this form** has been placed in the new and former operator's bond files.

___ 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

N/A/Yes 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

✓ 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 Bhm/SL Aprv. eff. 1-13-98.

DOGM Form 5
May 5, 1987

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

5. LEASE DESIGNATION AND SERIAL NO.
U-096550

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

(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
N/A

OIL WELL [X] GAS WELL [ ] OTHER [ ]

7. UNIT AGREEMENT NAME
JONAH

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

8. FARM OR LEASE NAME
MONUMENT FEDERAL 12-12J

3. ADDRESS OF OPERATOR
Route 3, Box 3630, Myton Utah 84052
(435-646-3721)

9. WELL NO.
MONUMENT FEDERAL 12-12J

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
SW/NW 1980 FNL 0660 FWL

10 FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW/NW Section 12, T09S R16E

14 API NUMBER	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12 COUNTY OR PARISH	13 STATE
43-013-31410	**5543 GR**	**DUCHESNE**	**UT**

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]		[ ]	(OTHER) **Perform 5 year MIT**			[ ]
(OTHER)			[ ]	(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.)*

The MIT was conducted on the subject well to satisfy the five year MIT. On 6-7-00 the casing was pressured up to 1125 psi and charted for thirty minutes with no leak off. Mr. Dennis Ingram with the DOGM was in attendance and approved the test.

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

18 *I hereby certify that the foregoing is true and correct*
SIGNED Rodhi Bird TITLE Production Foreman DATE 6/7/00
Rod Bird

(This space for Federal or State office use)
APPROVED BY_____ TITLE_____ DATE_____
CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

RECEIVED
JUN 09 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** 6/7/00 **Time** 1:30 am pm
Test Conducted by: Reddie Bird
Others Present:

Well: Monument Fed 12-12S-9-16 **Field:** Monument Butte
Well Location: SW/NW Sec.12, T9S, R16E **API No:** 43-013-31410

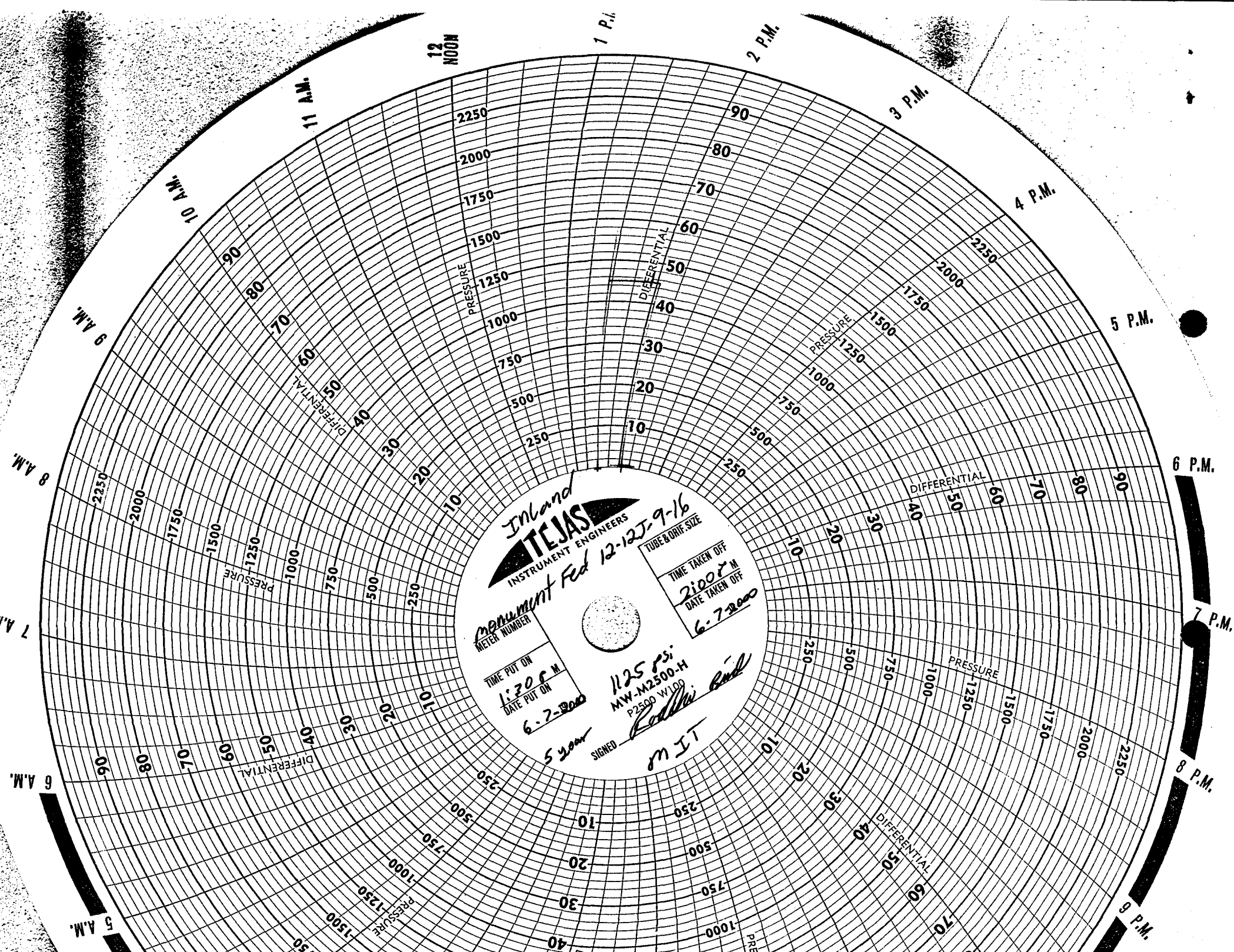
Time	Casing Pressure	
0 min	1125	psig
5	1125	psig
10	1125	psig
15	1125	psig
20	1125	psig
25	1125	psig
30 min	1125	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 2200 psig

RECEIVED
JUN 09 2000
DIVISION OF
OIL, GAS AND MINING

Result: Pass Fail

Signature of Witness: Dennis Ingram
Signature of Person Conducting Test: Reddie Bird


Inland
TEJAS
INSTRUMENT ENGINEERS
Monument Fed 12-12J-9-16
METER NUMBER
TIME PUT ON
1:30 P M
DATE PUT ON
6-7-2000
TUBE & ORIF. SIZE
TIME TAKEN OFF
2:00 P M
DATE TAKEN OFF
6-7-2000
1125 psi
MW-M2500-H
P2500 W100
5 year
SIGNED
MIT
12 NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.
PRESSURE
DIFFERENTIAL

DOGM Form 5
May 5, 1987

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

5. LEASE DESIGNATION AND SERIAL NO.
U-096550

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

(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
N/A

OIL WELL [X] GAS WELL [ ] OTHER [ ]

7. UNIT AGREEMENT NAME
JONAH

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

8. FARM OR LEASE NAME
MONUMENT FEDERAL 12-12J

3. ADDRESS OF OPERATOR
Route 3, Box 3630, Myton Utah 84052
(435-646-3721)

9. WELL NO.
MONUMENT FEDERAL 12-12J

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
SW/NW 1980 FNL 0660 FWL

10 FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW/NW Section 12, T09S R16E

14 API NUMBER	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12 COUNTY OR PARISH	13 STATE
43-013-31410	5543 GR	DUCHESNE	UT

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF [ ]	PULL OR ALTER CASING [ ]	WATER SHUT-OFF [ ]	REPAIRING WELL [ ]
FRACTURE TREAT [ ]	MULTIPLE COMPLETE [ ]	FRACTURE TREATMENT [ ]	ALTERING CASING [ ]
SHOOT OR ACIDIZE [ ]	ABANDON* [ ]	SHOOTING OR ACIDIZING [ ]	ABANDONMENT* [ ]
REPAIR WELL [ ]	[ ]	(OTHER) Perform 5 year MIT [ ]	
(OTHER)	[ ]	(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.)*

The MIT was conducted on the subject well to satisfy the five year MIT. On 6-7-00 the casing was pressured up to 995 psi and charted for thirty minutes with no leak off. Mr. Dennis Ingram with the DOGM was in attendance and approved the test.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

18 I hereby certify that the foregoing is true and correct
SIGNED Rodbi Bird TITLE Production Foreman DATE 6/7/00
Rod Bird

(This space for Federal or State office use)
APPROVED BY_____ TITLE_____ DATE_____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
JUN 09 2000
DIVISION OF OIL, GAS AND MINING

** See Instructions On Reverse Side*

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** 6/7/00 **Time** 10:15 (am) pm
Test Conducted by: Roy Liddell
Others Present:

Well: Wells Draw 14-33B-8-16 **Field:** Monument Butte
Well Location: SW/SW Sec. 33, T8S, R16E **API No:** 43-013-31410
Duchesne Co, UT

Time	Casing Pressure
0 min	995 psig
5	995 psig
10	995 psig
15	995 psig
20	995 psig
25	995 psig
30 min	995 psig
35	psig
40	psig
45	psig
50	psig
55	psig
60 min	psig

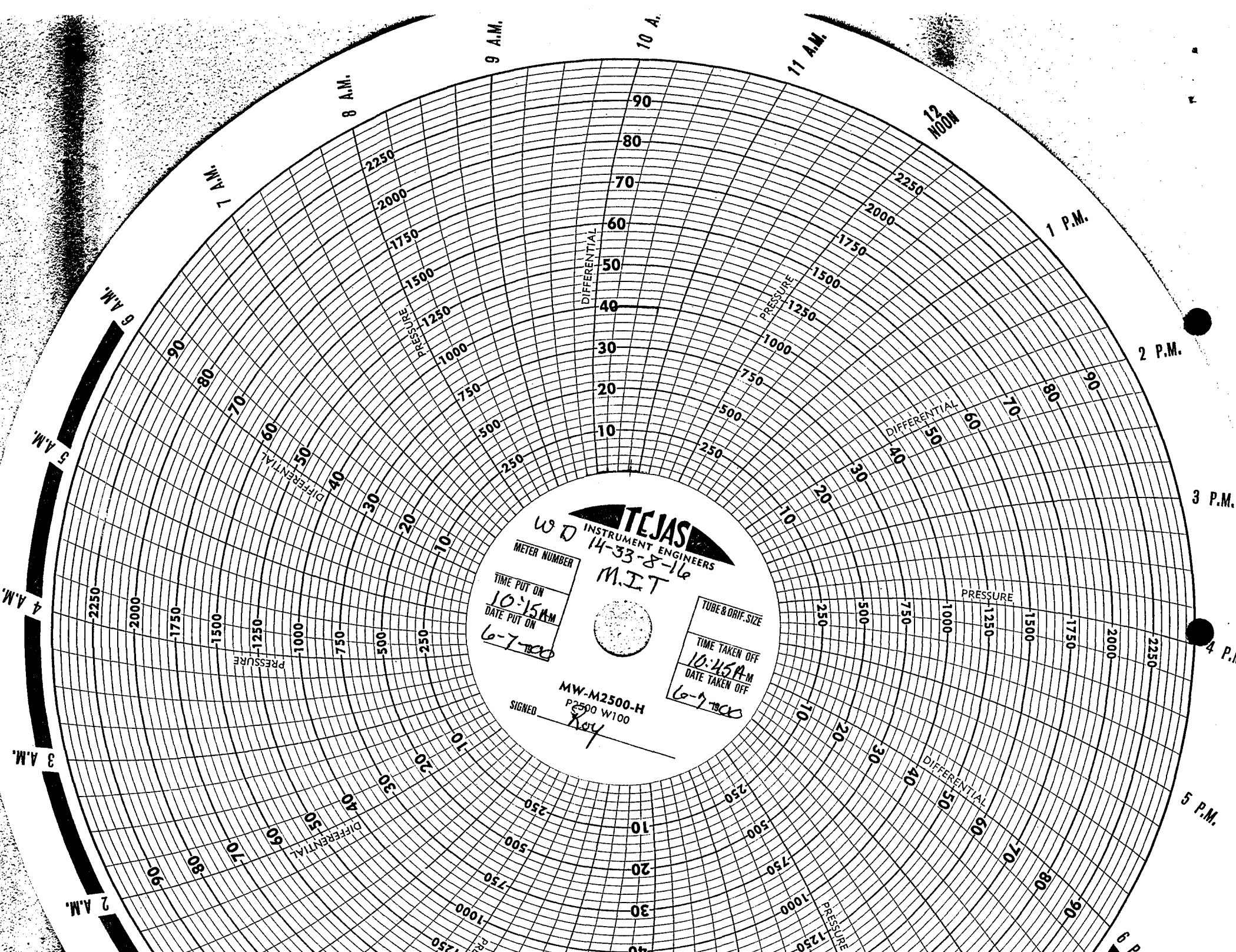
RECEIVED
JUN 09 2000
DIVISION OF
OIL, GAS AND MINING

Tubing pressure: 260 psig Injecting @ 98.56 BP

Result: (Pass) Fail

Signature of Witness: Dennis L Ingram

Signature of Person Conducting Test: Roy Liddell


TEJAS
INSTRUMENT ENGINEERS
WD 14-33-8-16
M.IT
METER NUMBER
TIME PUT ON
10:15 A.M.
DATE PUT ON
6-7-1900
TUBE & ORIF. SIZE
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10:45 A.M.
DATE TAKEN OFF
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MW-M2500-H
P2500 W100
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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

TAKE PRIDE IN AMERICA

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 L Coulthard

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

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

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment September 02, 2004

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

Secretary of State

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

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004

Corporations Section

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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065914

UTU-

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63098A
68528A
72086A
72613A
73520X
74477X
75023X
76189X
76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

INSPECTION FORM 6

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: Mon Federal #12-12J API Number: 43-013-31410

Qtr/Qtr: SW/NW Section: 12 Township: 9S Range: 16E

Company Name: Inland Production Company

Lease: State ____ Fee ____ Federal ✓ Indian ____

Inspector: [signature] Date: 06-07-00

Initial Conditions:

Tubing - Rate: ____ Pressure: 2200 psi

Casing/Tubing Annulus - Pressure: 1125 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1125	2200 PSI
5	1125	2200
10	1125	2200
15	1125	2200
20	1125	2200
25	1125	2200
30	1125	2200

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 2200 psi

Casing/Tubing Annulus Pressure: 1125 psi

COMMENTS: Tested for 5 year rule. Injecting @ 6.34 BPP

tested @

[signature]
Operator Representative

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: Brian Harris
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone:
Comments:

Name: Brian Harris
Signature: Brian Harris
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: D. Hunt
Title: Petr. Services Manager
Approval Date: 9-20-04

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

(5/2000)

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

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — **Merger**

The operator of the well(s) listed below has changed, effective: **9/1/2004**

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

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

WELL(S)

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

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU096550
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: JONAH UNIT
8. WELL NAME and NUMBER: MON FED 12-12J
9. API NUMBER: 4301331410
10. FIELD AND POOL, OR WILDCAT: Monument Butte

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

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: 1980 FNL 0660 FWL COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/NW, 12, T9S, R16E STATE: Utah

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

TYPE OF ACTION SubDate

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
06/06/2005	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - 5 Year MIT
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

On 6-6-05 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 6-6-05. On 6-6-05 the csg was pressured up to 1580 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1980 psig during the test. There was not a State representative available to witness the test. API# 43-013-31410.

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 06-14-05
By: [signature]

COPY SENT TO OPERATOR
Date: 6-15-05
Initials: CHD

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager
SIGNATURE Kathy Chapman DATE 06/09/2005

(This space for State use only)

RECEIVED
JUN 10 2005
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Test

Inland Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ **Date** 6/6/05 **Time** 12:45 am pm

Test Conducted by: J.D. Horrocks

Others Present: _____

Well: Monument Federal 12-12J-9-16 **Field:** Jonah unit

Well Location: SW/NW Sec. 12 T9S R16E **API No:**

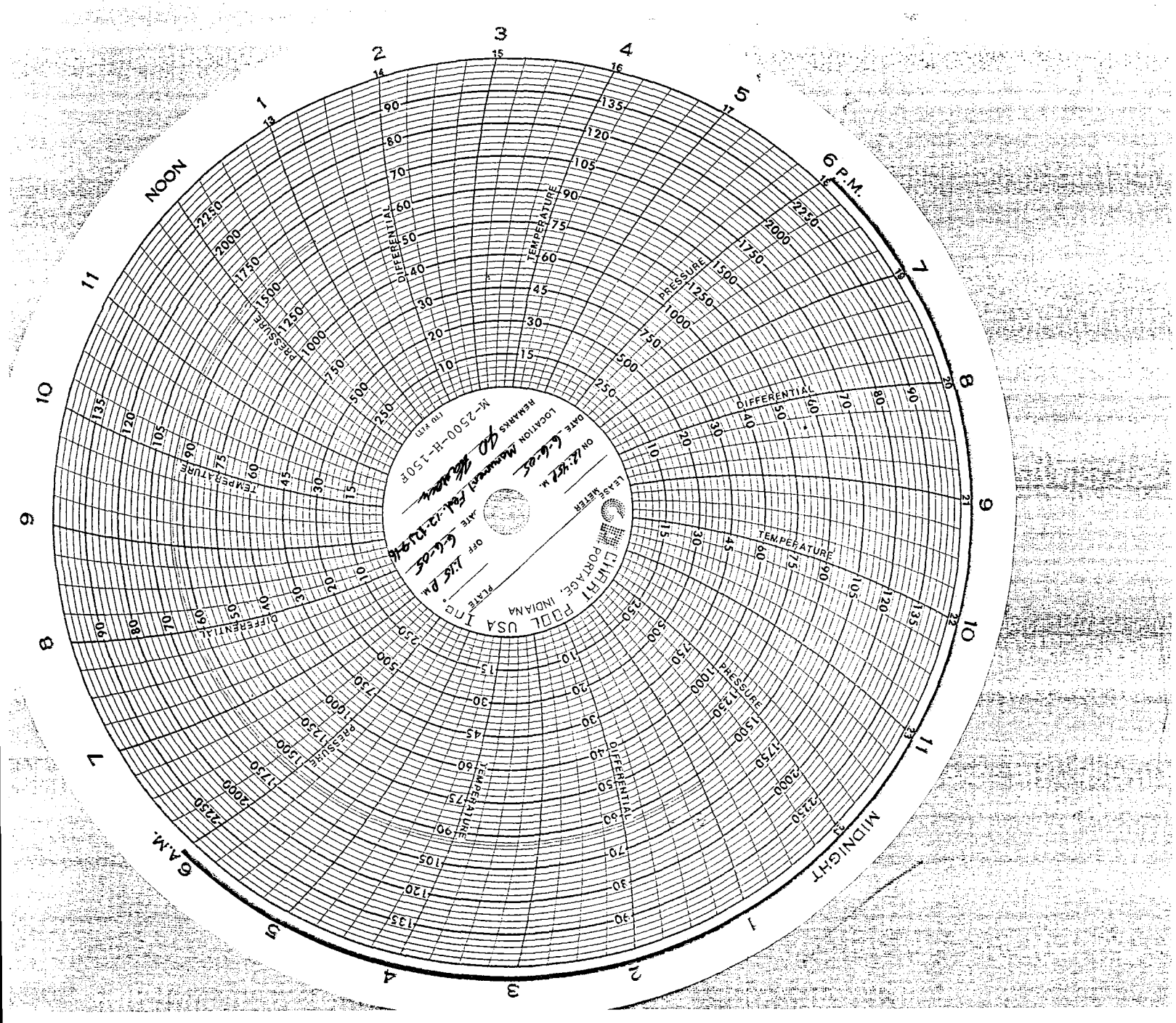
Time	Casing Pressure	
0 min	1580	psig
5	1580	psig
10	1580	psig
15	1580	psig
20	1580	psig
25	1580	psig
30 min	1580	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1980 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: JD Horrocks


NOON
6 P.M.
MIDNIGHT
6 A.M.
TEMPERATURE
PRESSURE
DIFFERENTIAL
CHART POOL USA INC.
PORTAGE, INDIANA
LEASE METER
ON 12:45 P.M.
DATE 6-6-05
LOCATION Monument Fed. 12-12-1946
REMARKS 40 Mcf
OFF 1:15 P.M.
DATE 6-6-05
PLATE
M-2500-H-150F
(TO FIT)

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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-096550

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: MON FED 12-12J

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301331410

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1980 FNL 660 FWL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 12, T9S, R16E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Five Year MIT
04/29/2010	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

On 04/26/2010 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 04/26/2010. On 04/29/2010 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1904 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31410

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE Lucy Chavez-Naupoto DATE 05/03/2010

(This space for State use only)

RECEIVED
MAY 05 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 / 29 / 10 **Time** 10:00 (am) pm

Test Conducted by: NewField Exploration

Others Present: _____

Well: Monument Federal 12-12J9-16	**Field:** Monument Butte
Well Location: SW/NW, Sec. 12, T9S, R16E	**API No:** 43-013-31410

Time	Casing Pressure	
0 min	1150	psig
5	1150	psig
10	1150	psig
15	1150	psig
20	1150	psig
25	1150	psig
30 min	1150	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

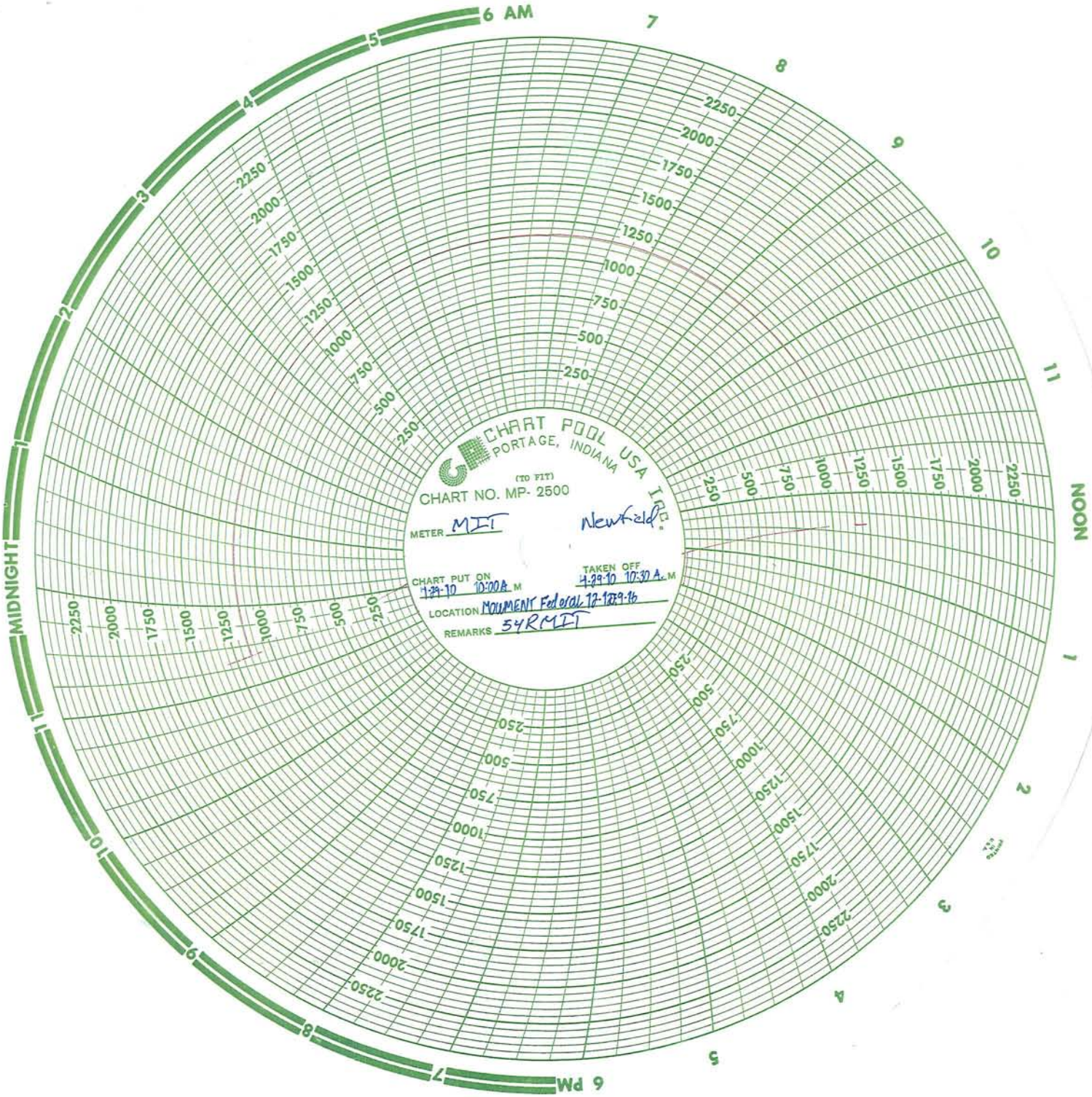
Tubing pressure: 1904 psig

Result: (Pass) **Fail**

Signature of Witness: _____

Signature of Person Conducting Test: [signature]

RECEIVED
MAY 05 2010
DIV. OF OIL, GAS & MINING


6 AM
7
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NOON
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MIDNIGHT
1
2
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4
5
CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER MIT
Newfield
CHART PUT ON 1-29-10 10:00 A M
TAKEN OFF 1-29-10 10:30 A. M
LOCATION MOUMENT Federal 12-12-9-16
REMARKS 54RMIT

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-096550

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: MON FED 12-12J

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013314100000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1980 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 12 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 3/26/2015
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT

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

On 03/23/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 03/26/2015 the casing was pressured up to 1263 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1512 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
FOR RECORD ONLY
March 30, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician

SIGNATURE	DATE
N/A	3/30/2015

RECEIVED: Mar. 30, 2015

Mechanical Integrity Test
Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Mark Jones **Date** 3 / 26 / 15 **Time** 11:40 am pm
Test Conducted by: Hal Richins
Others Present:

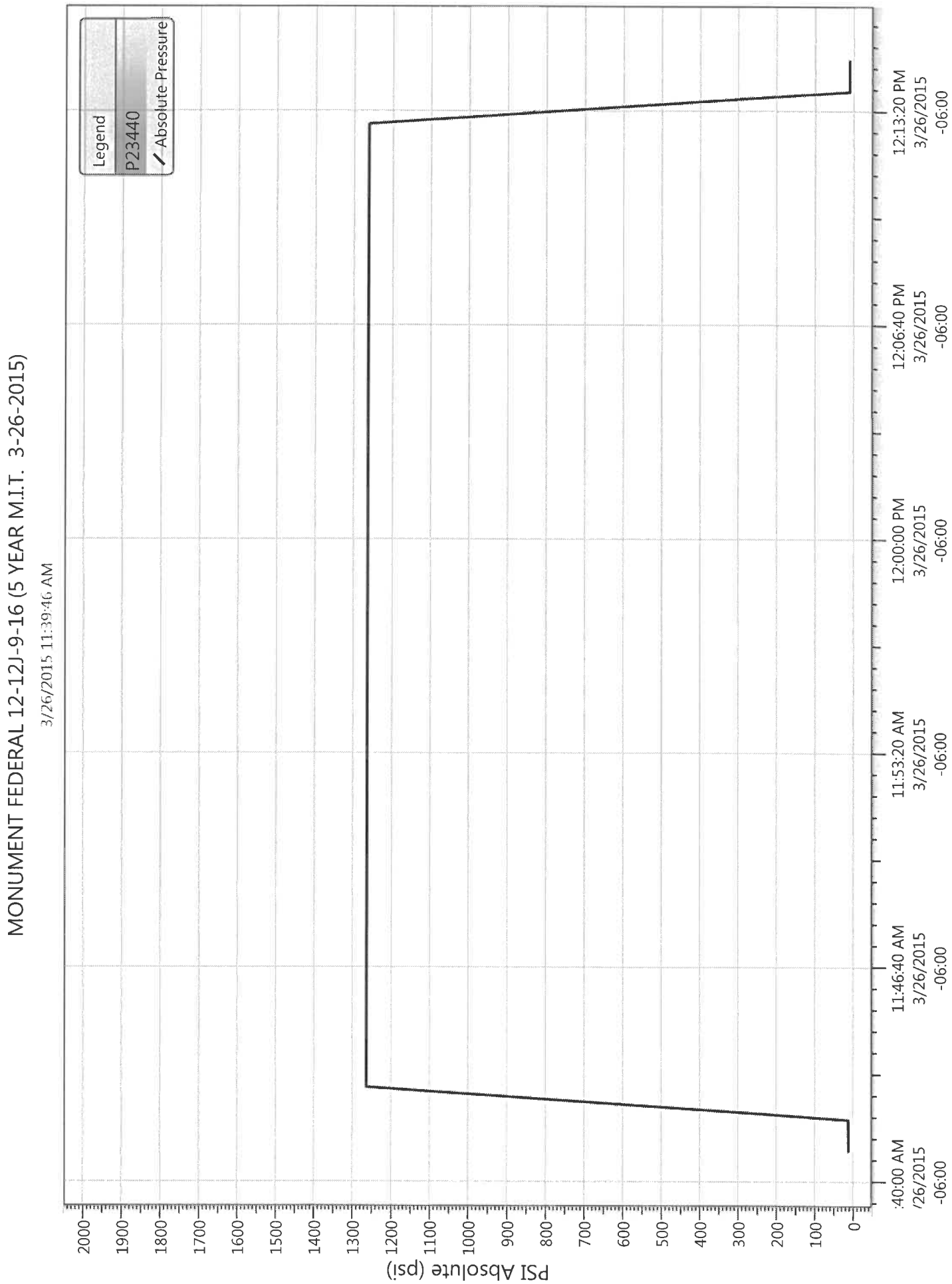
Well: Monument Federal 12-12J-9-16 **Field:** Monument
Well Location: SW/NW SEC. 12, T9S, R16E **API No:** 43-013-31410

Time	Casing Pressure	
0 min	1263.4	psig
5	1262.6	psig
10	1262.6	psig
15	1263.0	psig
20	1262.4	psig
25	1262.2	psig
30 min	1262.6	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1512 psig

Result: Pass Fail

Signature of Witness: Mark Jones UDOGM
Signature of Person Conducting Test: Hal Richins


MONUMENT FEDERAL 12-12J-9-16 (5 YEAR M.I.T. 3-26-2015)
3/26/2015 11:39:46 AM
Legend
P23440
Absolute Pressure
PSI Absolute (psi)
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
:40:00 AM
/26/2015
-06:00
11:46:40 AM
3/26/2015
-06:00
11:53:20 AM
3/26/2015
-06:00
12:00:00 PM
3/26/2015
-06:00
12:06:40 PM
3/26/2015
-06:00
12:13:20 PM
3/26/2015
-06:00

Monument Federal 12-12J-9-16

Spud Date: 10/09/93
Put on Production: 12/09/93
Put on Injection: 10/28/94

GL: 5542' KB: 5552'

Initial Production: 20 BOPD, 15 MCFD, 10 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 6 jts. (224.86')
DEPTH LANDED: 277' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

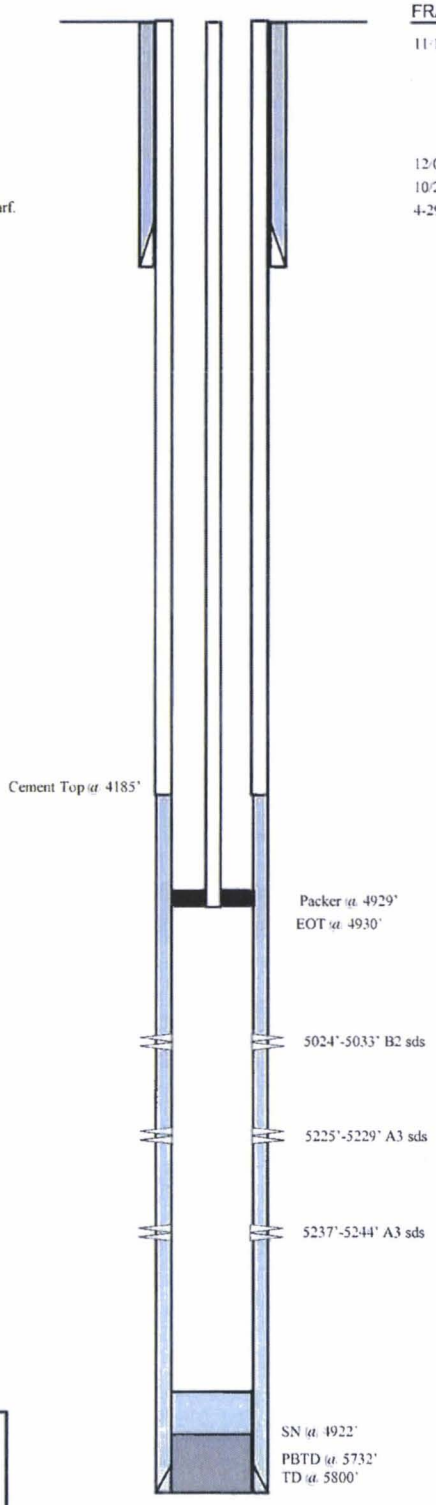
CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 132 jts. (5723.70')
DEPTH LANDED: 5777.59'
HOLE SIZE: 7-7/8"
CEMENT DATA: 220 sxs Hifill & 290 sxs 50/50 POZ.
CEMENT TOP AT: 4185' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 159 jts (4921.20')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4922.30' KB
2 7/8" x 2 3/8" cross over
PACKER: 4929.10' KB
TOTAL STRING LENGTH: EOT @ 4930'

FRAC JOB

11/17/93	5029'-5244'	**Frac zone as follows:** 29,250# 20/40 sand + 20,000# 16/30 sand in 432 bbls frac fluid. Treated @ avg press of 2250 psi w/avg rate of 30.5 BPM. ISIP 2200 psi. Calc. flush: 5025 gal. Actual flush: 4956 gal.
12/09/93		Put on Production
10/28/94		Put on Injection
4-29-10		5 yr MIT



PERFORATION RECORD

11/15/93	5024'-5033'	1 JSPF	4 holes
11/15/93	5225'-5229'	1 JSPF	4 holes
11/15/93	5237'-5244'	1 JSPF	7 holes

NEWFIELD

Monument Fed. 12-12J-9-16
1980' FNL & 660' FWL
SWNW Section 12-T9S-R16E
Duchesne Co, Utah
API #43-013-31410; Lease #U-096550

LCN 07-16-10