

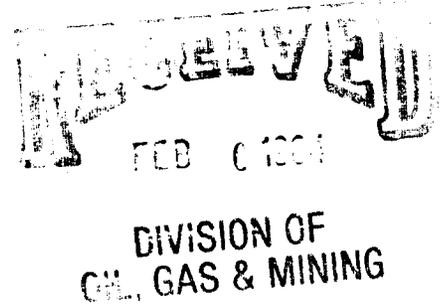
**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

January 31, 1984

Bureau of Land Management  
Utah State Office  
University Club Building  
136 East South Temple  
Salt Lake City, Utah 84111



Attn: Chief, Branch of Fluid Minerals

Re: Croquet Federal #1  
Lease No. U-38404  
Section 35-T6S-R21E  
Uintah County, Utah

Gentlemen:

Enclosed for your review and approval is an original plus four copies of the APD/MSUOP for the above-referenced well. TXO Production Corp. believes it would be appropriate to delay the on-site inspection until field conditions improve. The best time for the on-site would probably be after the cultural resource survey has been conducted.

If you have any questions, please contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.

R.K. (Ivan) Urnovitz  
Environmental Scientist

RKU/jy

Enclosures/as stated

✓cc: Utah State BLM Office



state

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 TXO Production Corp. Attn: Ivan Urnovitz

3. ADDRESS OF OPERATOR  
 1800 Lincoln Center Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1439' FNL, 1266' FEL, Section 35-T6S-R21E  
 At proposed prod. zone  
 Same as Above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 16 miles south of Vernal, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      1266'

16. NO. OF ACRES IN LEASE      635.15

17. NO. OF ACRES ASSIGNED TO THIS WELL      320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      3440'

19. PROPOSED DEPTH      3800' *Hint*

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)      4883' GR

22. APPROX. DATE WORK WILL START\*  
 April 2, 1984

5. LEASE DESIGNATION AND SERIAL NO.  
 U-38404 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 None

7. UNIT AGREEMENT NAME  
 None

8. FARM OR LEASE NAME  
 Croquet Federal

9. WELL NO.  
 No. 1

10. FIELD AND POOL, OR WELDCAT  
 ✓ Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR A.  
 Section 35-T6S-R21E

12. COUNTY OR PARISH      13. STATE  
 Uintah      Utah

*SE & NE 1/4*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT*
12-1/4"	8-5/8"	24# K-55	300'	150 sacks
7-7/8"	4-1/2"	10.5# K-55	4883' TD	200 sacks

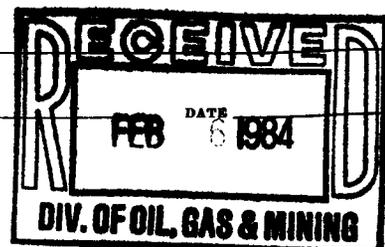
Please refer to attached 9-331C (3160-C) Addendum

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_

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 Ronald E. Dashner TITLE District Drilling Manager DATE January 31, 1984  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

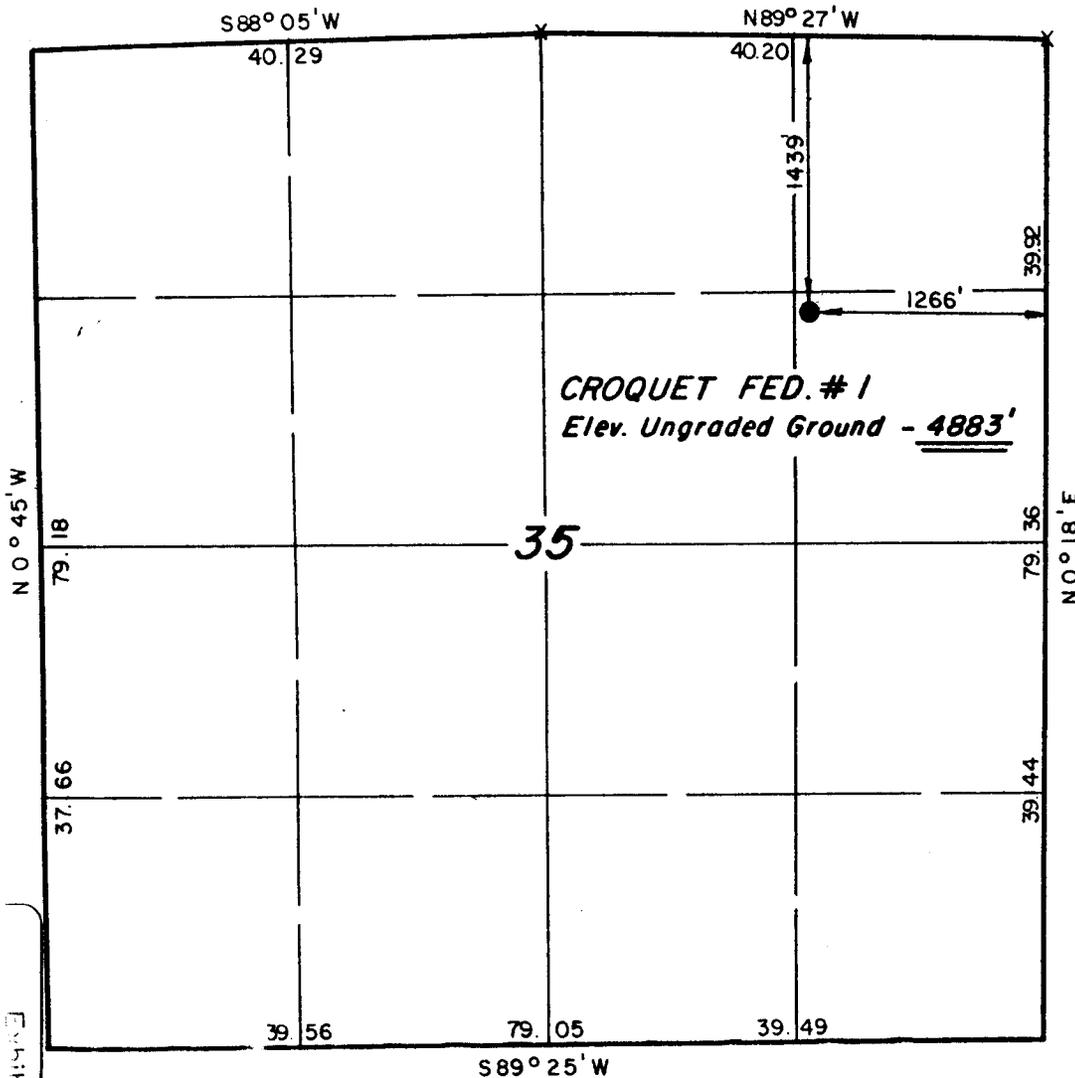


T6S , R21E , S.L.B.&M.

PROJECT

TXO PRODUCTION CORP.

Well location, *CROQUET FED. # 1*,  
located as shown in the SE1/4  
NE1/4 Section 35, T6S, R21E,  
S.L.B.&M. Uintah County, Utah.



CERTIFICATE

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

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	12/19/83
PARTY	DB JK RK RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	TXO PROD.

X = Section Corners Located

Exhibit 2  
Survey Plat

9-331 C (3160-C) ADDENDUM  
Croquet Federal #1  
Section 35-T6S-R21E  
Uintah County, Utah

1. SURFACE FORMATION: Uinta

2. ESTIMATED FORMATION TOPS:

Lower Uinta	3203'
Total Depth	3800'

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Gas Zone:	✓ Lower Uinta Formation	3203'
--------------------	-------------------------	-------

Expected Oil Zones:	None
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4. CASING PROGRAM AS PER FORM 9-331 C.

5. PRESSURE CONTROL EQUIPMENT:

A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1000 psi), will be installed. See Exhibit 1.

B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.

C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.

D. The equipment in A and B will be pressure-tested to 2000 psi before drilling surface pipe cement, and the blowout preventer will be tested for operations daily and during trips.

6. MUD PROGRAM:

0'-300'	Water
---------	-------

300'-TD	Mud at 8.6-9.0#/gal., vis. 30-35 sec. API.
---------	--

Use of LSND mud may begin before 300' depth is reached if dictated by hole conditions.

7. AUXILIARY EQUIPMENT:

A. A kelly cock will be used.

- B. A float valve will be run in the drill string above the bit.
- C. A sub with full opening valve will be kept on the derrick floor to stab into DP when kelly is not in use.

8. CORING, LOGGING, TESTING PROGRAM:

- A. No coring is anticipated.
- B. The logging program will consist of: DIL-GR from TD to surface pipe, FDC-CNL-GR-CAL from TD to surface pipe.
- C. DST's are planned for all zones of interest.

9. ABNORMAL CONDITIONS:

- A. No abnormal pressures or temperatures are expected.
- B. No hazardous gases such as H<sub>2</sub>S are expected.

10. ANTICIPATED STARTING DATES:

Start location construction	April 2, 1984
Spud date	April 7, 1984
Complete drilling	April 27, 1984
Completed	May 2, 1984

- 11. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the unlined drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

TXO PRODUCTION CORP.

MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: January 27, 1984

WELL NAME: Croquet Federal #1

LOCATION: 1439' FNL, 1266' FEL, Section 35-T6S-R21E, Uintah County, Utah

LEASE NO.: U-38404

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 1439' FNL and 1266' FEL in Section 35-T6S-R21E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Vernal, Utah proceed south on U.S. Hwy 40 to the junction of Utah 45; go south approx. 4.5 miles to a fork in the road. Take the right fork, a county road, and proceed in a southerly direction for about 2.5 miles. The road follows the Green River for almost .5 mile before going due west for a little over 1 mile. The county road then turns south and will fork after .6 of a mile. Take the right fork which heads northwest for about a quarter mile before going in a southerly direction. After 1.3 miles the road goes through a saddle next to the Green River. Continue southerly on the county road another 2.25 miles to a road coming in from the east. Follow this road for about .3 of a mile to a junction, then turn left and go northeasterly approximately .4 of a mile to the location access road and take a left. The total distance from Vernal to the location is about 19.8 miles.
- C. Access route to location color coded in red and labeled. Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: During wet periods some maintenance may be necessary to allow passage by drilling rigs and well servicing vehicles. Dry periods may necessitate watering the roads to control dust.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road, approximately 0.2 mile long, will be constructed in a north-south direction from the existing road to the pad. The proposed road will be 18-20 feet wide with a maximum disturbance width of 30 feet. The access road will follow

from the existing road to the pad. The proposed road will be 18-20 feet wide with a maximum disturbance width of 30 feet. The access road will follow a grade of 5% or less. The road will cross no drainages; no low water crossings will be constructed on the new access. There will be no cattleguards, gates or cutting of fences. Refer to Exhibit 4. All of the proposed access road will be on-lease.

3. LOCATION OF EXISTING WELLS

Exhibit is a one-mile radius locating and identifying the following:

- A. Water Wells-None
- B. Abandoned Wells-Snyder Bend, Sec. 26-T6S-R21E  
Snyder Bend #1, Sec. 35-T6S-R21E  
Chevron Federal #4, Sec. 35-T6S-R21E
- C. Temporarily Abandoned Wells - None
- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells - McLish Federal #1, Sec. 24-T6S-R21E  
McLish "A" State, Sec. 36-T6S-R21E
- G. Shut-in Wells-None
- H. Injection Wells-None
- I. Monitoring or Observation Wells for Other Reasons-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Exhibit 6 is a one-mile radius locating the following existing facilities owned by the lessee/operator:
  - 1. Tank Batteries-None
  - 2. Production Facilities-None
  - 3. Oil Gathering Lines-None
  - 4. Gas Gathering Lines-None
  - 5. Injection Lines-None
  - 6. Disposal Lines-None
- B. If new facilities are contemplated, in the event of production show:
  - 1. Proposed facilities and attendant lines in relation to the well pad. Refer to Exhibit 6.
  - 2. Dimensions of facilities: Refer to Exhibit 6.
  - 3. The production facilities will include a produced water pit, a production unit, and a meter. The pit will be located in cut, will contain all water production and be built in accordance with NTL-2B specifications. All connection work will be done by an oil field service company using standard oil field materials and practices.
  - 4. Protective devices and measures to protect livestock and wildlife: The water production pit will be fenced with barbed wire to protect livestock and wildlife.
- C. All plans for surface restoration are outlined under Item 10 of this plan.

5. LOCATION AND TYPE OF WATER SUPPLY

- ✓ A. TXO is investigating water sources in the area. As soon as a determination is made, the location of the source will be forwarded to supplement this portion of the MSUOP.
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler along existing roads.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is anticipated that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stripped to a depth of 6 inches and windrowed off the southwest end of the pad for later use during rehabilitation on the disturbed areas. Additional material, if needed, will be purchased from the dirt contractor.
- B. Identify if from Federal or Indian Land: The affected land is Federal and under the management of the Bureau of Land Management.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: Material other than that supplied by cuts on location should not be required to construct the pad and road. Approximately 16,950 cubic yards of material will be derived from cuts on location and approximately 1,950 cubic yards of fill are needed. Refer to Exhibit 7.
- D. Show any needed access roads crossing Federal or Indian Lands: The proposed access road falls within the federal lease boundary. Refer to Exhibit 4.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit. While drilling with air or gas, a dust arresting system will be installed on the blow line.
- C. Produced fracturing fluids will be directed to the reserve pit for evaporation.
- D. A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a trash bin and removed to a sanitary landfill upon completion.

- F. Protective Devices: The reserve pit will be fenced on three sides prior to drilling, and on the fourth side before the rig moves off location.
- G. Statement regarding proper cleanup when rig moves out: When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods: None planned.

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 7.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 7.
- C. Rig orientation, parking area: Refer to Exhibit 7.
- D. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 2 to 4 inch layer of bentonite will be used as a lining for the pit.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, leveling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes filled. The reserve pit will be allowed to dry and then will be backfilled. Disturbed areas of the pad not needed for production facilities will be graded to an appearance consistent with the natural contours. These areas will then be covered with topsoil, disked and reseeded with a seed mixture recommended by the BLM. If the well is not commercially productive, the entire pad will be reclaimed as described above.

In the event the well is not commercially productive, that portion of the access road requested by BLM to be rehabilitated will be covered with topsoil, disked and reseeded with a BLM-recommended seed mixture. Shrubby plants removed during road construction will be scattered randomly along the road to provide a natural appearance, control erosion and enhance seed production.

- B. Prior to rig release, pits will be fenced and so maintained until clean up can be properly done.
- C. If any oil is in the pit, it will be removed or overhead flagging will be installed.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located on a hillside with an approximate slope of 7%. Soil in the area is sandy -clay loam, and vegetative cover is sparse, about 15% or less. Plant species in the area include greasewood, big sagebrush, saltbush, cheat- grass, and various forbs. Fauna in the area include deer, antelope, and various birds and small mammals. No endangered species are known to occur in the area.
- B. Other surface-use activities and surface ownership of all involved lands: The primary use of the land is oil and gas production.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The Green River comes to within a mile of the proposed location, but there are no live streams in the immediate area. There are no occupied dwellings in the area. A cultural resource survey will be completed and the results forwarded to the Bookcliffs Resource Area Office of the BLM as soon as field conditions permit.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.

R.E. Dashner  
District Drilling Manager  
TXO Production Corp.  
1800 Lincoln Center Building  
1660 Lincoln Street  
Denver, Colorado 80264  
(303) 861-4246 - Business  
(303) 690-5658 - Residence

Comments regarding the content of this plan or arrangements for an on-site inspection should be directed to:

R.K. (Ivan) Urnovitz  
Environmental Scientist  
TXO Production Corp.  
1800 Lincoln Center Building  
1660 Lincoln Street  
Denver, Colorado 80264  
(303) 861-4246 - Business  
(303) 665-2365 - Residence

13. CERTIFICATES

The following statement is to be included in the plan and must be signed by

the the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and that the 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 TXO Production Corp. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: January 27, 1984

*RE Dashner*

\_\_\_\_\_  
R.E. Dashner

District Drilling Manager

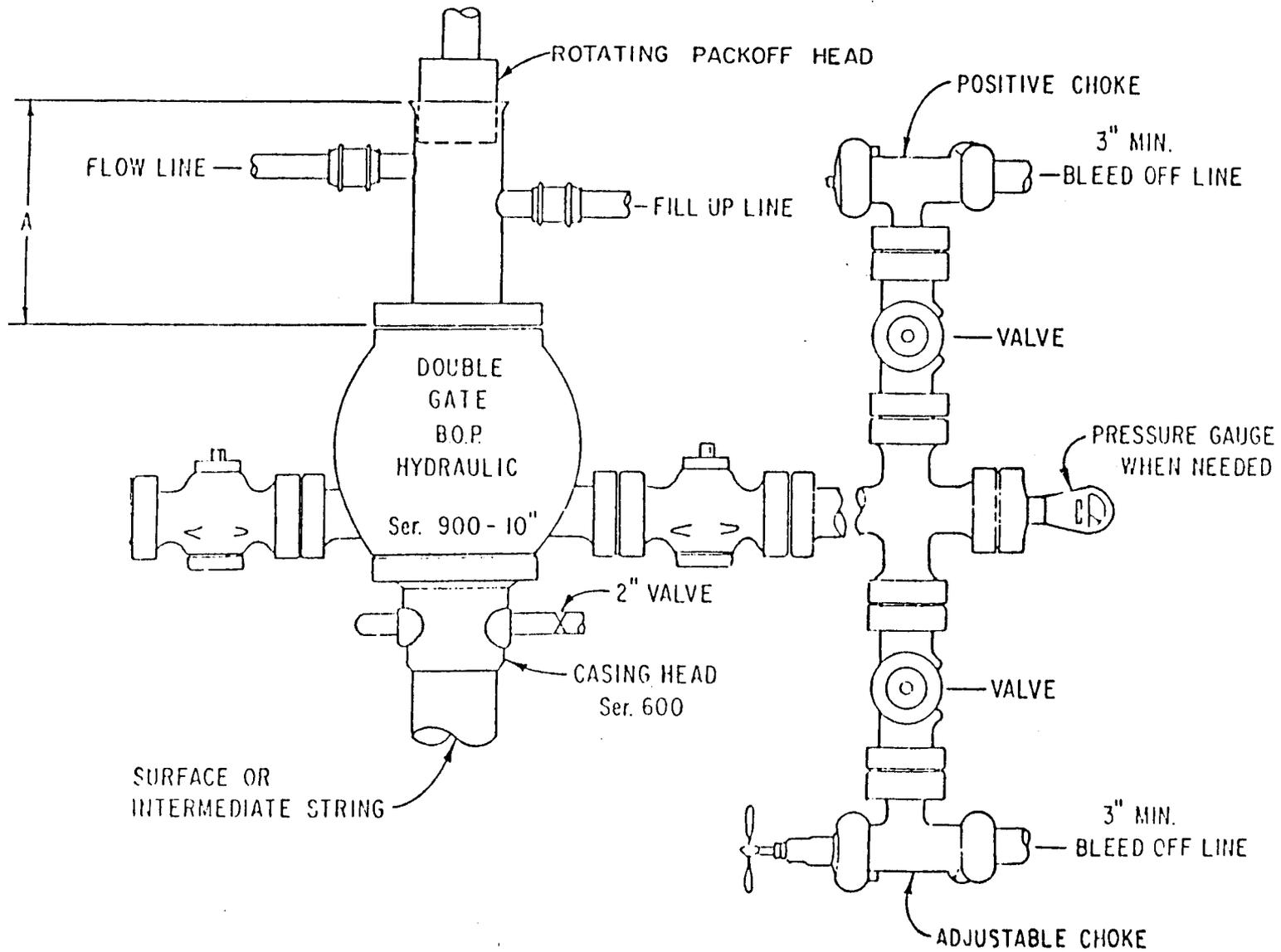
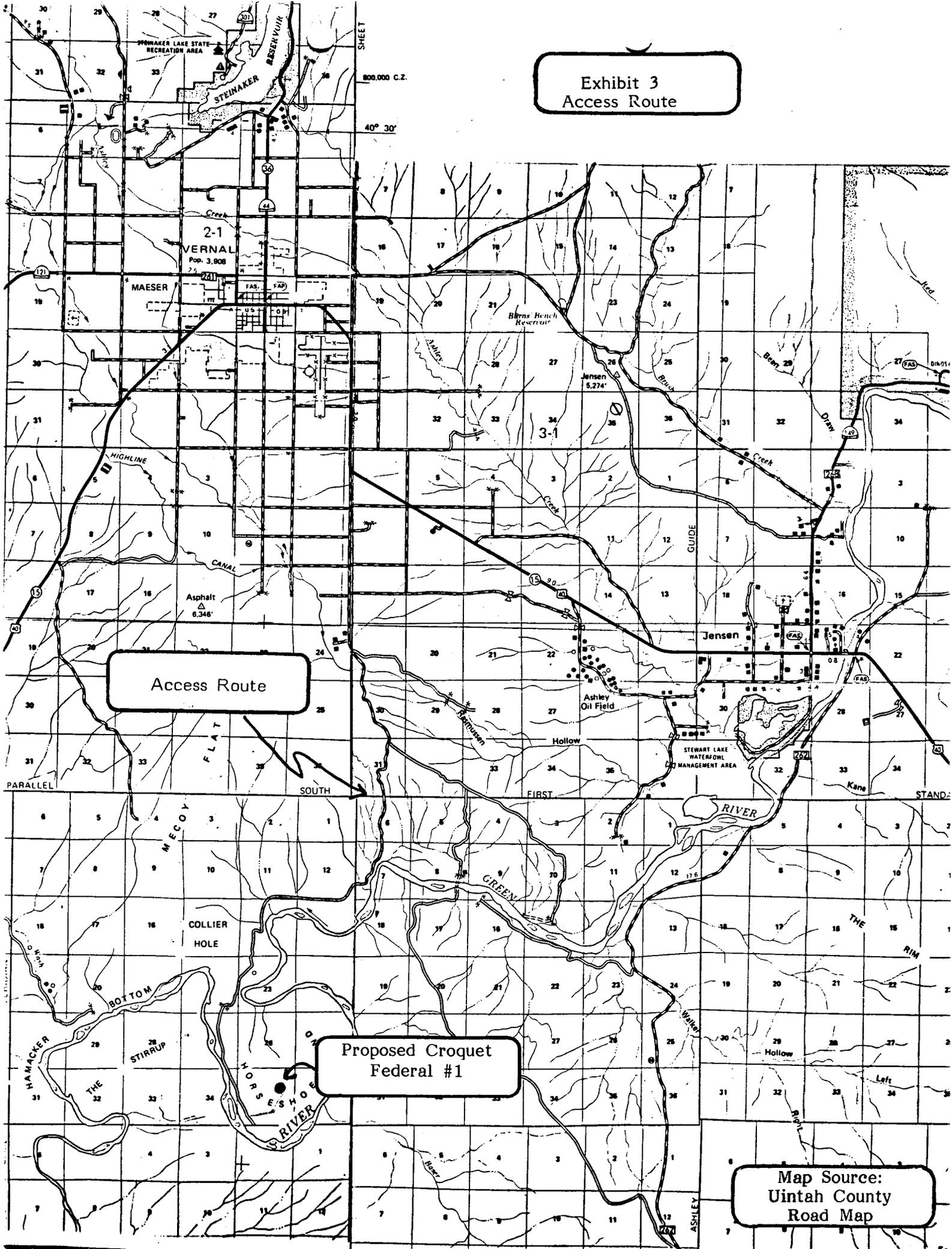


EXHIBIT I  
 BLOWOUT PREVENTER DIAGRAM

Exhibit 3  
Access Route



Access Route

Proposed Croquet  
Federal #1

Map Source:  
Uintah County  
Road Map



R 21 E

6

1

12

7

CARTER  
φ1 5022'DF  
9002'

18

LUFF  
2 Govt  
487'

LUFF  
1 Govt  
408'

GREEN RIVER

19

LUFF  
3 Lingo/boch  
390'

LUFF  
1 Fed  
3730'

24

ETON  
Fed  
4074'

CALIF  
φ1  
4885'GR  
8945'

LUFF  
2 Govt  
3820'

CHEVRON  
3 Fed  
3612'

McLISH  
1 McConkie  
3665'

McLISH  
Fed  
3876'

McL SH  
2 Fed  
3635'

25

McLISH  
1 Govt  
8102'

McLISH  
Govt  
3720'

CALIFORNIA  
3A-Fed  
7560'

CHEVRON  
4 Fed  
7415'

TXO  
Croquet Fed 1

McLISH  
2 State  
3711'

20'

CALIF OIL  
5 Fed  
7750'

LUFF  
2 Fed  
4050'

CALIF OIL  
2 Fed  
7379'

SNYDER  
1 Bend  
3520'

31

LUFF  
1 Fed  
3750'

1 Mile R.

CALIF OIL  
24 Fed  
7250'

LUFF  
2 McConkie  
3580'

McLISH  
1 Fed  
7470'

SHAMROCK  
3 Bend  
7131'

SHAMROCK  
2 Bend  
7402'

SHAMROCK  
4 Bend  
7066'

McLISH  
1 State  
7386'

PACIFIC  
13 Hole  
3692'

SHAMROCK  
2 Unit  
7190'

6

LOMAX  
15 Fed  
○

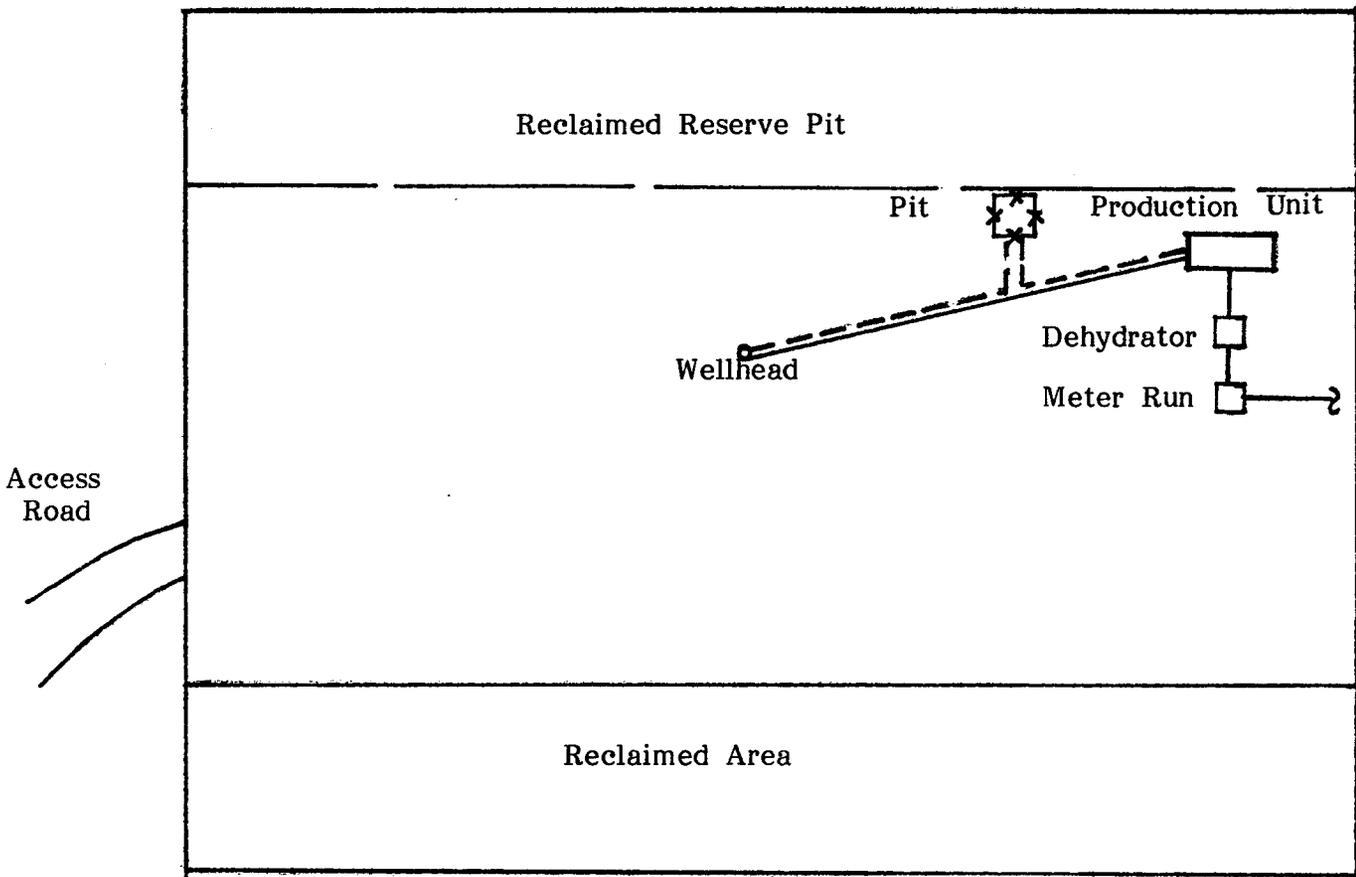
GULF  
4

**TXO**  
**TXO PRODUCTION CORP.**  
 DENVER DISTRICT

EXHIBIT 5

Croquet Federal #1  
 Section 35-T6S-R21E  
 Uintah County, Utah

Scale: 1"=4000'      Geologist:  
 C.I.:                      Date: 1/31/84



Scale 1"=50'

EXHIBIT 6  
 PRODUCTION FACILITIES  
 CROQUET FEDERAL #1

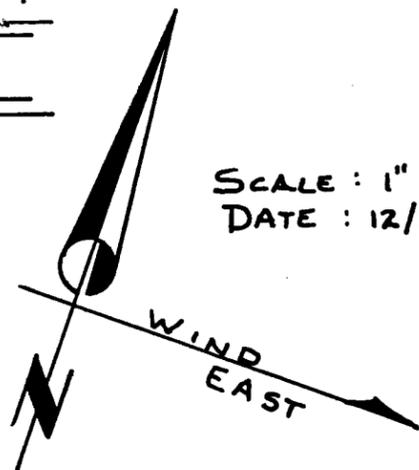
- 1) Pits will be 10' x 10' x 6' deep and will be surrounded by fence.
- 2) Sacrificial magnesium anodes will be used, if necessary, to control corrosion.
- 3) All pipelines will be coated and wrapped, then buried.
- 4) A surface mounted high/low safety shutdown system will be installed.
- 5) The separator will be an ASME coded vessel.

# TXO PRODUCTION COR.

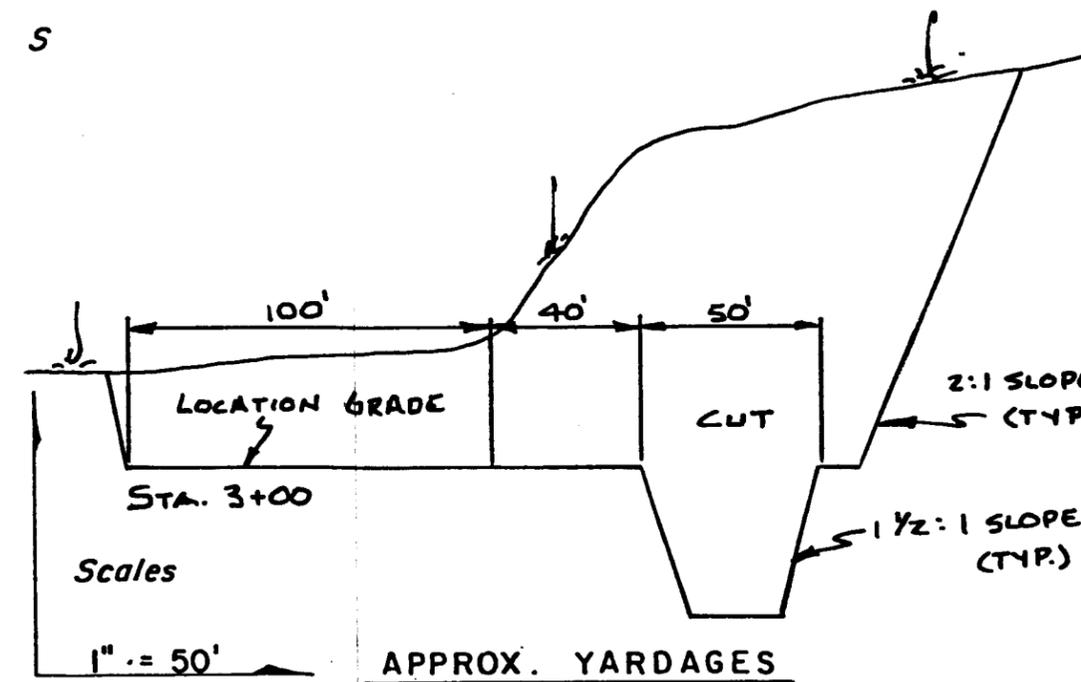
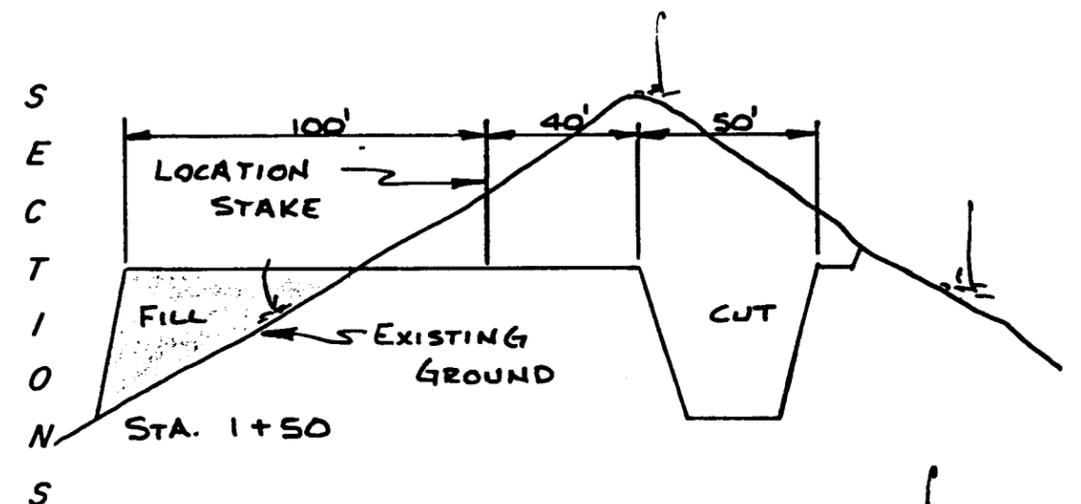
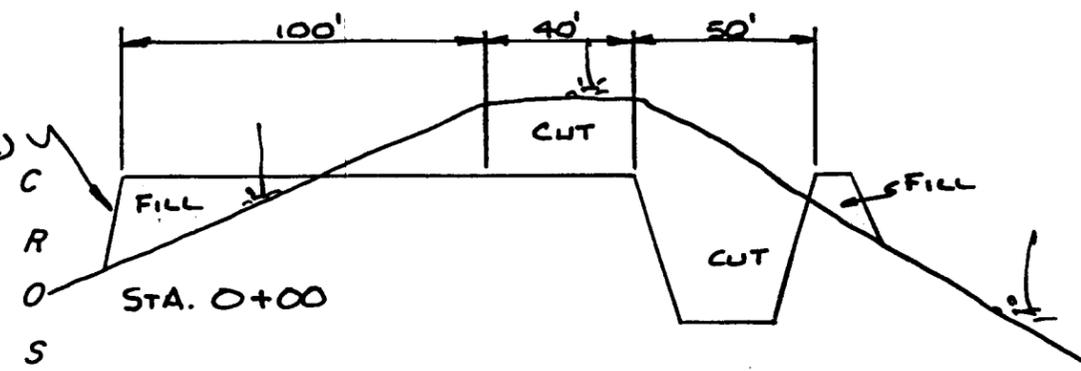
CROQUET FED. #1

LOCATION LAYOUT & CUT SHEET

SCALE: 1" = 50'  
DATE: 12/19/83



1:1 SLOPE (TYP.)



APPROX. YARDAGES

Cubic Yards Cut - 16,950

Cubic Yards Fill - 1,950

4877.26' (A)

4881.94' (B)

4898.29' (C)

4883.16' (4)  
C-4.2

4888.87' (5)  
C-9.9

4896.16' (6)  
C-17.2

4883.06' (3)  
C-4.1

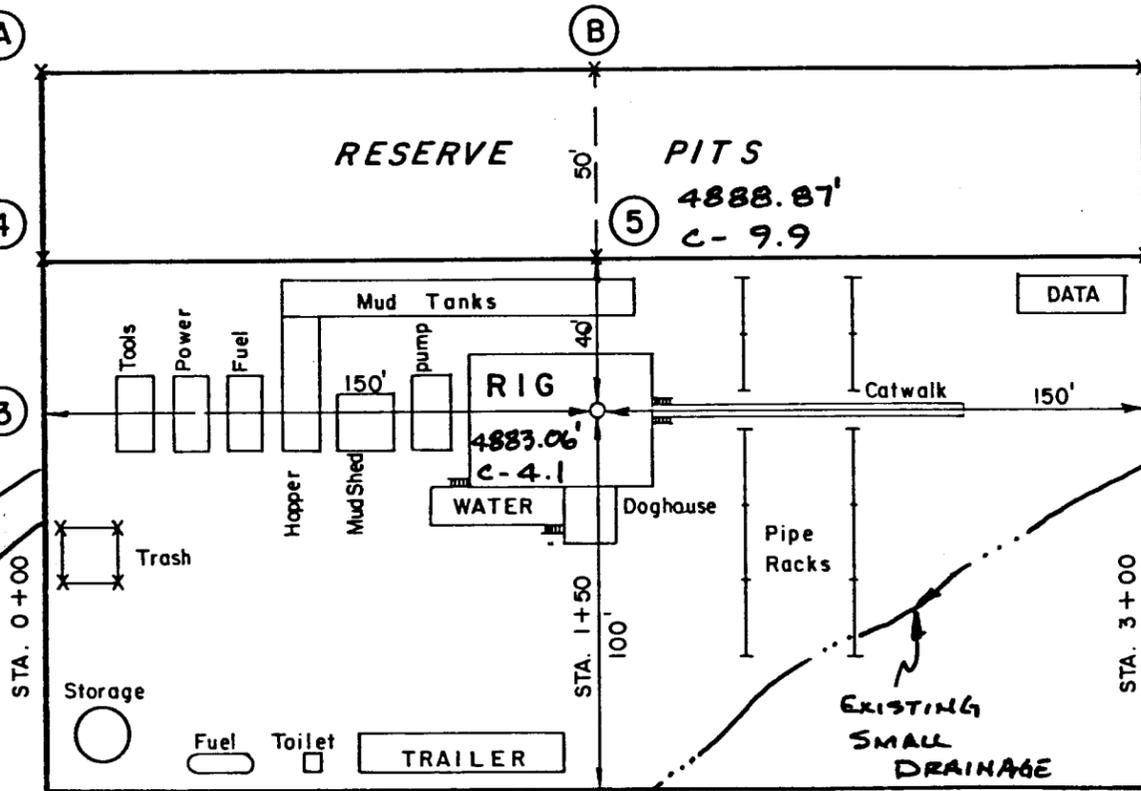
4885.26' (7)  
C-6.3

4874.36' (2)  
F-4.6

4871.96' (1)  
F-7.0

4884.16' (8)  
C-5.2

PROPOSED ACCESS ROAD

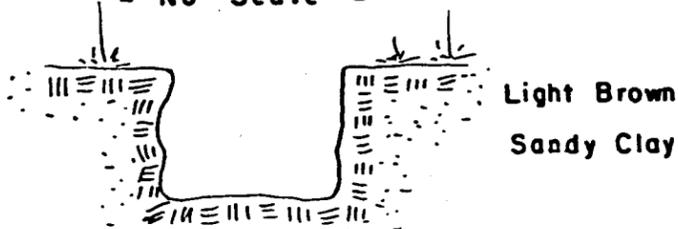


EXISTING SMALL DRAINAGE

PROPOSED RE-ROUTING OF DRAINAGE

SOILS LITHOLOGY

- No Scale -



OPERATOR TXO Production Corp DATE 2-6-84  
WELL NAME Croquet Federal #1  
SEC SENE 35 T 65 R 21E COUNTY United

43 047-31440  
API NUMBER

Fed.  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

No other wells in section.  
Water -

CHIEF PETROLEUM ENGINEER REVIEW:

2/7/84 320 Acre Appraisal  
into gas, only.

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

145-2 10/23/80  
CAUSE NO. & DATE

c-3-b

c-3-c

Water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 145-2

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

*NO* VERIFY LEGAL AND SUFFICIENT DRILLING WATER

February 7, 1984

TXO Production Corporation  
Attn: Ivan Urnovitz  
1800 Lincoln Center Bldg.  
Denver, Colorado 80264

RE: Well No. Croquet Federal #1  
SENE Sec. 35, T. 6S., R. 21E  
1439' PNL, 1266' FEL  
Uintah County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 145-2 dated October 23, 1980, subject to the following stipulation:

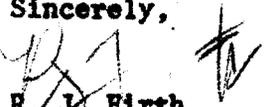
1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-6068 (Home).

The API number assigned to this well is 43-047-31440.

Sincerely,

  
R. J. Firth  
Chief Petroleum Engineer

RJF/as  
cc: Branch of Fluid Minerals  
Encl.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-53862	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
2. NAME OF OPERATOR TXO Production Corp. Attn: Ivan Urnovitz		7. UNIT AGREEMENT NAME ---	
3. ADDRESS OF OPERATOR 1800 Lincoln Center Building, Denver, CO. 80264		8. FARM OR LEASE NAME Croquet Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1439' FNL, 1266' FEL, Section 35-T6S-R21E At proposed prod. zone		9. WELL NO. #1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 16 miles south of Vernal, Utah		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1266'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 35-T6S-R21E	
16. NO. OF ACRES IN LEASE 635.15		12. COUNTY OR PARISH Uintah	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3440'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4883' GR		22. APPROX. DATE WORK WILL START* May 21, 1984	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# K-55	300'	150 sacks
7 7/8"	4 1/2"	10.5# K-55	3800'	200 sacks

Please refer to attached 9-331C (3160-C)  
Addendum

RECEIVED

MAY 16 1984

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. SIGNED Ronald E. Dashner TITLE District Drilling Manager DATE April 27, 1984  
Ronald E. Dashner

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 5/14/84  
CONDITIONS OF APPROVAL, IF ANY \_\_\_\_\_

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

State O, G & M  
UT-080-4-M-049

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company TXO Production Corp Well No. Croquet #1  
Location Sec. 35 T 6S R 21E Lease No. U-53862  
Onsite Inspection Date 4-26-84

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 Order No. 1, 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.

All fresh 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.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

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.

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 authorized officer (AO).

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 A0. If operations are to be suspended, prior approval of the A0 will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the A0 within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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 A0, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the A0 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 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

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 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 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.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

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 SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 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.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

## B. THIRTEEN POINT SURFACE USE PLAN

All travel will be confined to existing access road rights-of-way.

### 1. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Inter-agency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 1/2 times the storage capacity of the battery.

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

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the A0.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 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 A0 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 the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

### 2. Source of Construction Material

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

Construction material will be located on lease.

3. Methods of Handling Waste Disposal

The reserve pit will be lined on the northwest end only.

Burning will not be allowed. All trash must be contained and disposed of by a trash cage and hauled to an approved sanitary landfill.

Produced waste water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

4. Ancillary Facilities

Camp facilities will not be required.

5. Well Site Layout

The stockpiled topsoil will be stored on the southwest end of the location.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

6. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. Also, if broadcast, the amount of seed will be proportionately larger to total 14 pounds per acre.

The following seed mixture will be used:

Stipa comata	1 lb/acre
Agropyron cristatum	1 lb/acre
Poa secunda	1 lb/acre
Kochia prostrata	2 lbs/acre
Atriplex confertifolia	2 lbs/acre
Ceratoides lanata	2 lbs/acre
Total	<u>9 lbs/acre</u>

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

7. Other Information

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 3162.2.

"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 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

RECEIVED

TEMPORARY

Application No. 759924

MAY 14 1984

APPLICATION TO APPROPRIATE WATER  
STATE OF UTAH

45-5142

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

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

1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses

2. The name of the applicant is Martin Water Service

3. The Post Office address of the applicant is P. O. Box 566, Vernal, Utah 84078

4. The quantity of water to be appropriated \_\_\_\_\_ second-feet and/or 2.0 acre-feet

5. The water is to be used for Oil Well Drilling from May 10, 1984 to Nov. 31, 1984  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
(Minor Purpose) (Month) (Day) (Month) (Day)

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

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

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

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

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

8. The point of diversion from the source is in Uintah County, situated at a point\*  
North 200 ft. East 100 ft. from the SW Cor. Sec. 35, T6S, R21E, SLB&M  
(14 Miles So. of Vernal)

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

9. The diverting and carrying works will consist of Pumped into tank trucks and hauled to place of use

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

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ Total \_\_\_\_\_ Acres

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

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

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

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

16. If application is for stockwatering purposes, number and kind of stock watered \_\_\_\_\_

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

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

19. If application is for other uses, include general description of proposed uses Oil well Drilling & Completion of the Croquet Fed. # 1

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Sec. 26, T6S, R21E, SLB&M

21. The use of water as set forth in this application will consume 2.0 second-feet and/or acre-feet of water and None second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

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

Lined area for providing additional facts.

(Use page 4 if additional explanatory is needed.)

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

Signature of Applicant\* (Handwritten signature: Peter Hatch)

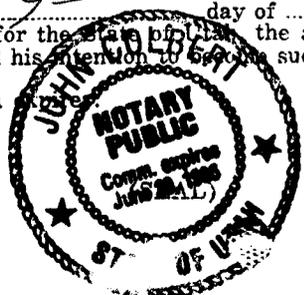
\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below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

DECLARATION OF CITIZENSHIP

STATE OF UTAH, } ss
County of... (Handwritten: Uintah)

On the 9th day of May, 1984, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission



Signature of Notary Public (Handwritten: John V. Colburn)
Notary Public





STATE OF UTAH  
NATURAL RESOURCES  
Water Rights

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dee C. Hansen, State Engineer

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

RECEIVED

May 25, 1984

MAY 30 1984

TXO

DIVISION OF OIL  
GAS & MINING

Martin Water Service  
P. O. Box 566  
Vernal, UT 84078

Dear Applicant:

RE: TEMPORARY APPLICATION  
NUMBER 45-5142 (T59924)

Enclosed is a copy of the above numbered approved Temporary Application. This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire November 30, 1984, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it is with the Area Engineer, Robert Guy. The telephone number is (801)789-3714.

Yours truly,

Dee C. Hansen, P. E.  
State Engineer

DCH:slm

Enclosure

TEMPORARY

**FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH**

Flow rate — c.f.s.	Cost	
0.0 to 0.1 .....	\$ 15.00	
over 0.1 to 0.5 .....	30.00	
over 0.5 to 1.0 .....	45.00	
over 1.0 to 15.0 .....	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00	foot per second.

Storage — acre-feet		
0 to 20 .....	22.50	
over 20 to 500 .....	45.00	
over 500 to 7500 .....	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00	500 acre feet.

(This section is not to be filled in by applicant)

**STATE ENGINEER'S ENDORSEMENTS**

1. 9:00  
5-9-84 Application received by mail in State Engineer's office by [Signature]  
over counter
2. Priority of Application brought down to, on account of .....
3. 5-15-84 Application fee, \$15.00, received by [Signature] Rec. No. 15689
4. Application microfilmed by ..... Roll No. ....
5. 5-15-84 Indexed by am Platted by .....
6. 5/10/84 Application examined by RFG
7. Application returned, ..... or corrected by office .....
8. Corrected Application resubmitted by mail to State Engineer's office.  
over counter
9. Application approved for advertisement by .....
10. Notice to water users prepared by .....
11. Publication began; was completed .....
- Notice published in .....
12. Proof slips checked by .....
13. Application protested by .....
14. Publisher paid by M.E.V. No. ....
15. Hearing held by .....
16. Field examination by .....
17. 5/10/84 Application designated for approval RFG  
rejection
18. 5/25/84 Application copied or photostated by slm proofread by .....
19. 5/25/84 Application approved  
~~rejected~~

**20. Conditions:**

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. **TEMPORARY APPROVAL -- EXPIRES May 9, 1985.**

[Signature]  
Dee C. Hansen, P.E., State Engineer

21. Time for making Proof of Appropriation extended to .....
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No. ...., issued

Application No. 759924

WATER RIGHTS DATA BASE  
ENTERED - DATE 5/27/84 BY [Signature]



STATE OF UTAH  
NATURAL RESOURCES  
Water Rights

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dee C. Hansen, State Engineer

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

May 25, 1984

**RECEIVED**

MAY 30 1984

TXO Production Corp.  
1800 Lincoln Center Bldg.  
Denver, CO 80264

**DIVISION OF OIL  
GAS & MINING**

Dear Applicant:

RE: TEMPORARY APPLICATION  
NUMBER 45-5141 (T59899)

Enclosed is a copy of the above numbered approved Temporary Application. This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire December 31, 1984, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it is with the Area Engineer, Robert Guy. The telephone number is (801)789-3714.

Yours truly,

Dee C. Hansen, P. E.  
State Engineer

DCH:slm

Enclosure

**TEMPORARY**

RECEIVED

Application No. T 59899

# TEMPORARY

STATE OF UTAH

45-5141

## WATER RIGHTS

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

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

- 1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses

2. The name of the applicant is TXO Production Corp.

3. The Post Office address of the applicant is 1800 Lincoln Center Bldg., Denver, CO 80264

4. The quantity of water to be appropriated \_\_\_\_\_ second-feet and/or 20.0 acre-feet

5. The water is to be used for Drilling Purposes from 5-10-84 to 12-31-84  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
(Minor Purpose) (Month) (Day) (Month) (Day)

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

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

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

which is tributary to Colorado River, tributary to \_\_\_\_\_

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

8. The point of diversion from the source is in Uintah County County, situated at a point\*  
400' -E-SL, -200' -EWL, -SW/4 -SW/4 -Section-35-T6S-R21E, -or- 800' -E-SL, -1500' -E-E, -  
Section-27-T6S-R21E. (Point of diversion used depends on river accessibility.)

1. N. 400' E. 200' from SW Cor. Sec. 35, T6S, R21E; 2. N. 800' W. 1500' SE Cor. Sec. 27, T6S, R21E, Si

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

9. The diverting and carrying works will consist of Water will be removed from the source by pump and hauled away by truck.

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

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ Total \_\_\_\_\_ Acres

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

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

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

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

16. If application is for stockwatering purposes, number and kind of stock watered \_\_\_\_\_

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

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

19. If application is for other uses, include general description of proposed uses For drilling a gas well, the Croquet Federal #1.

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. NE/4 Section 35-T6S-R21E.

21. The use of water as set forth in this application will consume 0.1 second-feet and/or acre-feet of water and \_\_\_\_\_ second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

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

12. The land at the point of diversion is Federal, managed by the BLM. TXO will obtain necessary permits for use of BLM roads.

(Use page 4 if additional explanatory is needed.)

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

*Charles K. Curlee*

Signature of Applicant\*  
Environmental Manager

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

DECLARATION OF CITIZENSHIP

STATE OF UTAH, }  
County of..... } ss

On the ..... day of ....., 19....., personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

Notary Public

**FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH**

Flow rate — c.f.s.	Cost	
0.0 to 0.1 .....	\$ 15.00	
over 0.1 to 0.5 .....	30.00	
over 0.5 to 1.0 .....	45.00	
over 1.0 to 15.0 .....	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00	foot per second.

Storage — acre-feet		
0 to 20 .....	22.50	
over 20 to 500 .....	45.00	
over 500 to 7500 .....	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00	500 acre feet.

(This section is not to be filled in by applicant)

*9:30 a.m.* **STATE ENGINEER'S ENDORSEMENTS**

1. *4/27/84* Application received by mail over counter in State Engineer's office by *L.P.*
2. .... Priority of Application brought down to, on account of .....
3. *5-8-84* Application fee, \$*15.00*, received by *J.H.* Rec. No. *05179*
4. .... Application microfilmed by ..... Roll No. ....
5. *5-8-84* Indexed by *am* ..... Platted by .....
6. *April 27, 1984* Application examined by *JWS* .....
7. .... Application returned, ..... or corrected by office .....
8. .... Corrected Application resubmitted by mail over counter to State Engineer's office.
9. .... Application approved for advertisement by .....
10. .... Notice to water users prepared by .....
11. .... Publication began; was completed .....
12. .... Notice published in .....
13. .... Proof slips checked by .....
14. .... Application protested by .....
15. .... Publisher paid by M.E.V. No. ....
16. .... Hearing held by .....
17. *April 27, 1984* Application designated for approval *JWS SB* rejection
18. *5/25/84* Application copied or photostated by *s.l.m.* proofread by .....
19. *5/25/84* Application approved ~~rejected~~
20. **Conditions:**

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. **TEMPORARY APPROVAL -- EXPIRES December 31, 1984.**

*Dee C. Hansen*  
Dee C. Hansen, P.E., State Engineer

21. .... Time for making Proof of Appropriation extended to .....
22. .... Proof of Appropriation submitted.
23. .... Certificate of Appropriation, No. ...., issued

**TEMPORARY**

Application No. *T 59899*

WATER RIGHTS DATA BASE  
 ENTERED - DATE *4/27/84* BY *SLM*  
 VERIFIED - DATE *5/1/84* BY *SLM*

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
TXO Production Corp.

3. ADDRESS OF OPERATOR  
1800 Lincoln Center Bldg., Denver, Co. 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1439' FNL & 1266' FEL  
AT TOP PROD. INTERVAL: Sec. 35, T6S-R21E  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>spudding</u>	<input type="checkbox"/>		<input checked="" type="checkbox"/>

5. LEASE  
U-53862

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Croquet Federal

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 35, T6S-R21E

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4883' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

In reference to the verbal report to Mary Shuin (BLM) and Claudia Jones (State of Utah) at 10 AM 5/25/84. The referenced well was spudded @ 1 AM 5/25/84.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Phillip A. Kriz TITLE Petroleum Engineer DATE 5/31/84

(This space for Federal or State office use)

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

# TXO

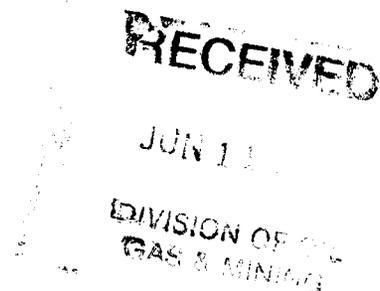
**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 6, 1984

DIVISION OF OIL, GAS, & MINING  
4241 State Office Building  
Salt Lake City, Utah 84114



RE: CROQUET FEDERAL #1  
Section 35, T6S-R21E  
Uintah County, Utah

Gentlemen:

TXO would appreciate exercising the option, from this point forth, to change the status of the above referenced well to a tight hole.

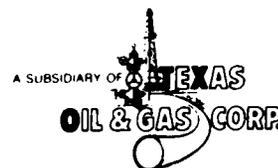
Thank you for your attention and handling of this request.

Sincerely,

TXO PRODUCTION CORP.

  
Phillip A. Kriz  
Petroleum Engineer

PAK/dek  
encls.





TICKET NO. 74061400  
 05-JUN-84  
 VERNAL

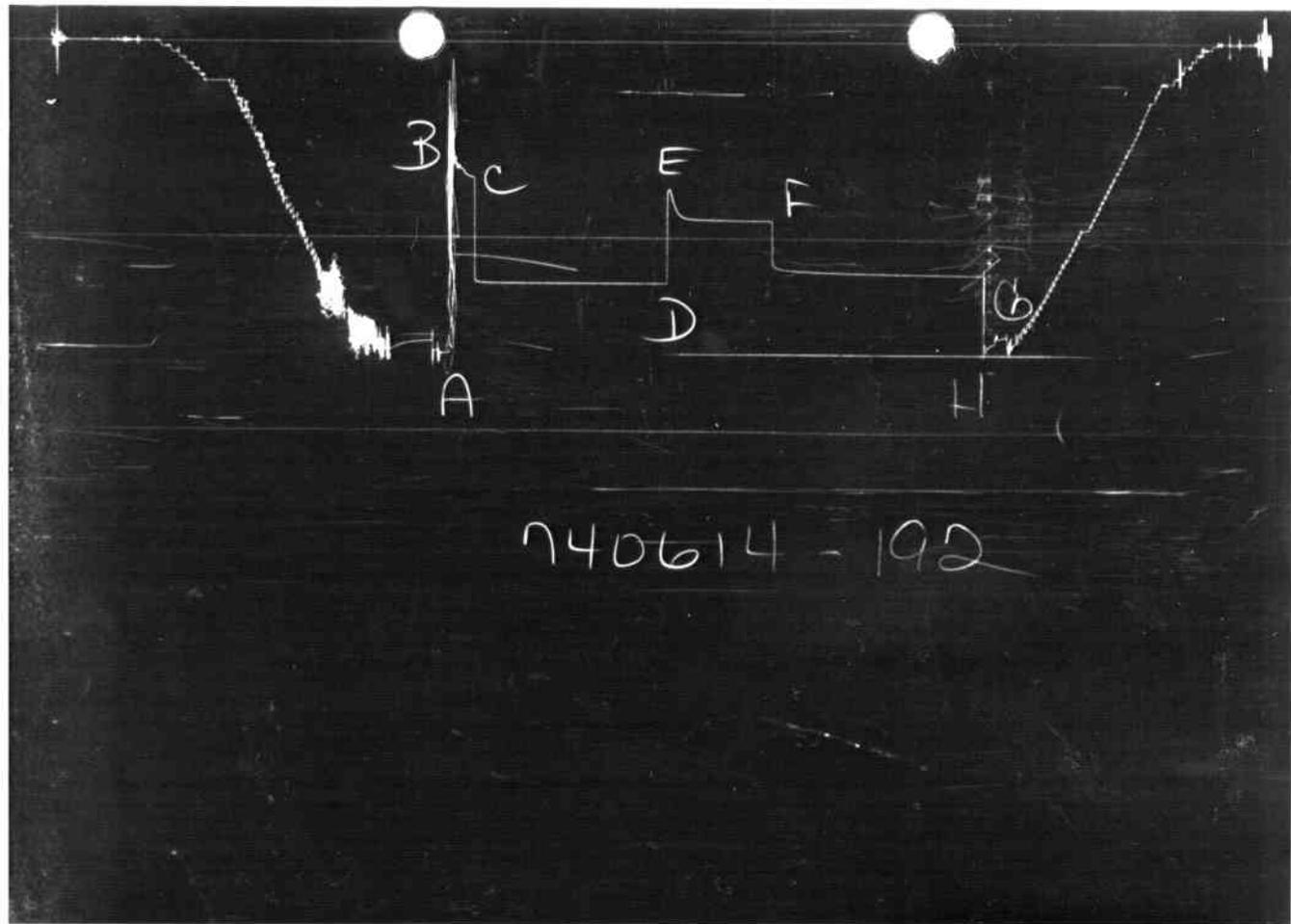
RECEIVED  
 JUN 11 1984  
 DIVISION OF OIL  
 GAS & MINING

FORMATION TESTING SERVICE REPORT

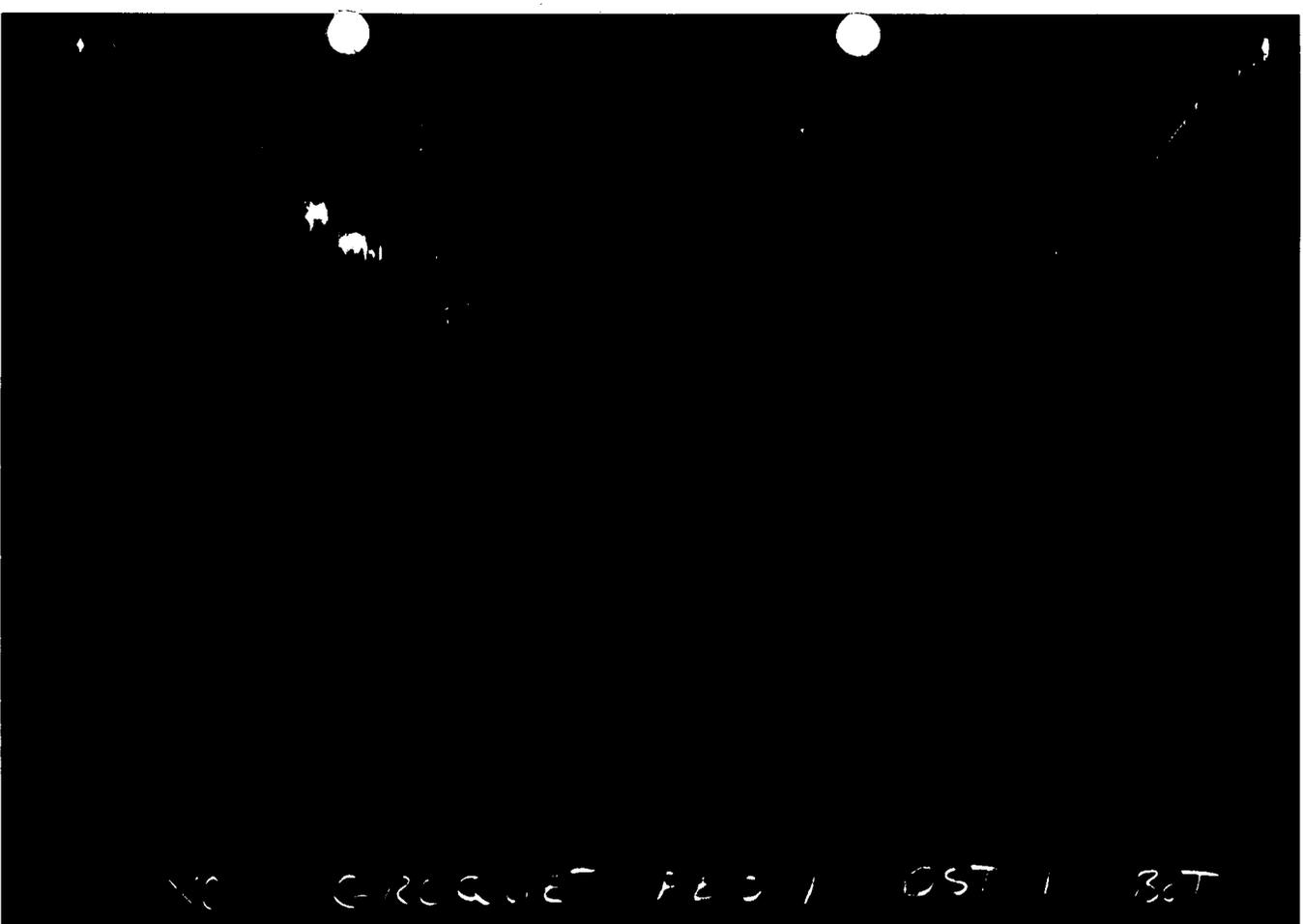
LEGAL LOCATION SEC. - TWP. - RANG.	35 - 6 SOUTH - 21 EAST	FIELD AREA	HORSESHOE BEND	COUNTY	UINTAH	STATE	UTAH	PW
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	TXO PRODUCTION CORPORATION LEASE OWNER/COMPANY NAME				
	1	1	3271.1 - 3306.1					

GAUGE NO: 192 DEPTH: 3250.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1618	1606.5			
B	INITIAL FIRST FLOW	406	541.3	15.0	14.2	F
C	FINAL FIRST FLOW	715	704.0			
C	INITIAL FIRST CLOSED-IN	715	704.0	111.0	110.5	C
D	FINAL FIRST CLOSED-IN	1253	1248.9			
E	INITIAL SECOND FLOW	755	761.0	60.0	60.1	F
F	FINAL SECOND FLOW	916	924.5			
F	INITIAL SECOND CLOSED-IN	916	924.5	120.0	121.2	C
G	FINAL SECOND CLOSED-IN	1199	1204.1			
H	FINAL HYDROSTATIC	1618	1557.4			



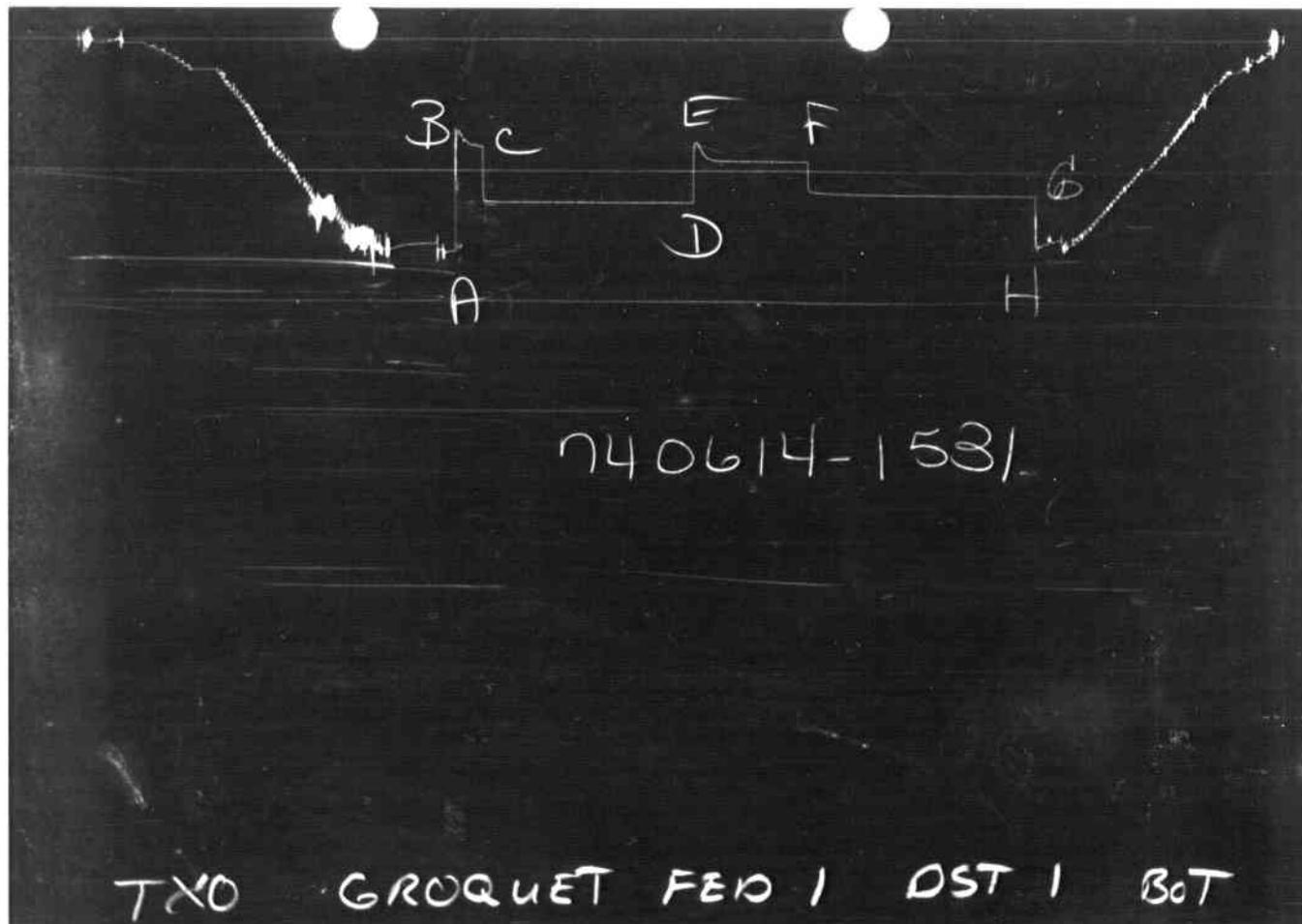
GAUGE NO: 192 DEPTH: 3250.0 BLANKED OFF: NO HOUR OF CLOCK: 12



NO G-ROCKET FEB 1 DST 1 BCT

GAUGE NO: 1531 DEPTH: 3303.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1615	1634.1			
B	INITIAL FIRST FLOW	690	691.7			
C	FINAL FIRST FLOW	811	831.6	15.0	14.2	F
C	INITIAL FIRST CLOSED-IN	811	831.6			
D	FINAL FIRST CLOSED-IN	1255	1264.9	111.0	110.5	C
E	INITIAL SECOND FLOW	771	798.4			
F	FINAL SECOND FLOW	933	948.3	60.0	60.1	F
F	INITIAL SECOND CLOSED-IN	933	948.3			
G	FINAL SECOND CLOSED-IN	1194	1217.2	120.0	121.2	C
H	FINAL HYDROSTATIC	1595	1583.2			



TXO GROQUET FEB 1 DST 1 BOT

## EQUIPMENT & HOLE DATA

FORMATION TESTED: UINTAH "B"  
 NET PAY (ft): 10.0  
 GROSS TESTED FOOTAGE: 35.0  
 ALL DEPTHS MEASURED FROM: KELLY BUSHING  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): 7.875  
 ELEVATION (ft): 4895  
 TOTAL DEPTH (ft): 3306.0  
 PACKER DEPTH(S) (ft): 3265, 3271  
 FINAL SURFACE CHOKE (in): 0.250  
 BOTTOM HOLE CHOKE (in): 0.750  
 MUD WEIGHT (lb/gal): 9.20  
 MUD VISCOSITY (sec): 39  
 ESTIMATED HOLE TEMP. (°F): \_\_\_\_\_  
 ACTUAL HOLE TEMP. (°F): 96 @ 3302.0 ft

TICKET NUMBER: 74061400  
 DATE: 5-31-84 TEST NO: 1  
 TYPE DST: OPEN HOLE  
 HALLIBURTON CAMP: VERNAL  
 TESTER: R. RIPPLE  
 WITNESS: GLENN HODGE  
 DRILLING CONTRACTOR: UECO 2

## FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>MUD PIT</u>	<u>0.310 @ 68 °F</u>	<u>12121 ppm</u>
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

## SAMPLER DATA

Pstg AT SURFACE: 950  
 cu.ft. OF GAS: 6.29  
 cc OF OIL: 0  
 cc OF WATER: 0  
 cc OF MUD: 0  
 TOTAL LIQUID cc: 0

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API): \_\_\_\_\_ @ \_\_\_\_\_ °F  
 GAS/OIL RATIO (cu.ft. per bbl): \_\_\_\_\_  
 GAS GRAVITY: \_\_\_\_\_

## CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

### RECOVERED:

30 FEET OF DRILLING MUD

MEASURED FROM TESTER VALVE

### REMARKS:



TICKET NO: 74061400  
 CLOCK NO: 3806 HOUR: 12



GAUGE NO: 192  
 DEPTH: 3250.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	541.3			
2	2.0	571.3	30.0		
3	4.0	603.4	32.0		
4	6.0	637.8	34.5		
5	8.0	667.2	29.4		
6	10.0	687.9	20.8		
7	12.0	697.9	9.9		
C 8	14.2	704.0	6.2		
FIRST CLOSED-IN					
C 1	0.0	704.0			
2	1.0	1238.9	534.9	0.9	1.191
3	2.0	1242.3	538.3	1.7	0.914
4	3.0	1243.5	539.5	2.5	0.754
5	4.0	1244.5	540.4	3.1	0.658
6	5.0	1245.5	541.5	3.7	0.583
7	6.0	1245.9	541.9	4.2	0.528
8	7.0	1246.9	542.9	4.7	0.482
9	8.0	1247.2	543.1	5.1	0.442
10	9.0	1247.8	543.8	5.5	0.412
11	10.0	1247.8	543.8	5.9	0.384
12	12.0	1247.8	543.8	6.5	0.339
13	14.0	1248.2	544.2	7.0	0.305
14	16.0	1248.2	544.2	7.5	0.277
15	18.0	1248.2	544.2	7.9	0.252
16	20.0	1248.2	544.2	8.3	0.233
17	22.0	1248.2	544.2	8.6	0.216
18	24.0	1248.2	544.2	8.9	0.202
19	26.0	1248.2	544.2	9.2	0.189
20	28.0	1248.2	544.2	9.4	0.178
21	30.0	1248.2	544.2	9.6	0.168
22	35.0	1248.6	544.6	10.1	0.148
23	40.0	1248.6	544.6	10.5	0.132
24	45.0	1248.6	544.6	10.8	0.119
25	50.0	1248.6	544.6	11.1	0.109
26	55.0	1248.6	544.6	11.3	0.100
27	60.0	1248.6	544.6	11.5	0.092
28	70.0	1248.6	544.6	11.8	0.080
29	80.0	1248.6	544.6	12.1	0.071
30	90.0	1248.6	544.6	12.3	0.064
31	100.0	1248.6	544.6	12.4	0.058
D 32	110.5	1248.9	544.9	12.6	0.053
SECOND FLOW					
E 1	0.0	761.0			
2	4.0	839.1	78.2		
3	8.0	898.7	59.5		
4	12.0	913.0	14.3		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
5	16.0	916.4	3.4		
6	20.0	918.6	2.3		
7	24.0	919.3	0.7		
8	28.0	920.1	0.8		
9	32.0	920.2	0.1		
10	36.0	920.8	0.5		
11	40.0	921.8	1.1		
12	44.0	922.5	0.7		
13	48.0	923.1	0.5		
14	52.0	923.5	0.4		
15	56.0	924.0	0.5		
F 16	60.1	924.5	0.5		
SECOND CLOSED-IN					
F 1	0.0	924.5			
2	1.0	1155.1	230.6	1.0	1.874
3	2.0	1162.7	238.2	1.9	1.582
4	3.0	1167.4	242.9	2.8	1.417
5	4.0	1170.0	245.5	3.8	1.289
6	5.0	1172.2	247.6	4.7	1.201
7	6.0	1173.6	249.1	5.5	1.128
8	7.0	1175.3	250.7	6.4	1.067
9	8.0	1176.4	251.8	7.2	1.015
10	9.0	1177.6	253.0	8.1	0.965
11	10.0	1178.1	253.6	8.8	0.926
12	12.0	1179.7	255.2	10.3	0.857
13	14.0	1181.2	256.7	11.7	0.801
14	16.0	1182.2	257.6	13.2	0.752
15	18.0	1183.2	258.7	14.5	0.710
16	20.0	1184.2	259.7	15.8	0.674
17	22.0	1185.1	260.6	17.0	0.642
18	24.0	1186.2	261.7	18.1	0.612
19	26.0	1187.4	262.9	19.3	0.586
20	28.0	1188.4	263.8	20.3	0.563
21	30.0	1188.8	264.3	21.4	0.542
22	35.0	1190.4	265.9	23.8	0.494
23	40.0	1191.8	267.2	26.0	0.456
24	45.0	1193.1	268.6	28.0	0.423
25	50.0	1193.8	269.3	29.9	0.396
26	55.0	1195.0	270.5	31.6	0.371
27	60.0	1195.8	271.3	33.2	0.350
28	70.0	1197.7	273.2	36.1	0.314
29	80.0	1198.6	274.1	38.5	0.285
30	90.0	1199.9	275.3	40.7	0.261
31	100.0	1201.5	277.0	42.6	0.241
32	110.0	1202.7	278.2	44.4	0.224
G 33	121.2	1204.1	279.5	46.1	0.208

REMARKS:

TICKET NO: 74061400  
 CLOCK NO: 7127 HOUR: 12



GAUGE NO: 1531  
 DEPTH: 3303.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	691.7			
2	2.0	721.5	29.8		
3	4.0	777.1	55.6		
4	6.0	798.2	21.1		
5	8.0	817.6	19.5		
6	10.0	818.5	0.8		
7	12.0	826.8	8.3		
C 8	14.2	831.6	4.9		
FIRST CLOSED-IN					
C 1	0.0	831.6			
2	1.0	1250.5	418.9	0.9	1.185
3	2.0	1253.9	422.3	1.8	0.904
4	3.0	1255.9	424.3	2.5	0.762
5	4.0	1257.3	425.7	3.2	0.654
6	5.0	1258.1	426.5	3.7	0.586
7	6.0	1259.3	427.7	4.2	0.526
8	7.0	1259.5	427.9	4.7	0.482
9	8.0	1259.7	428.1	5.1	0.443
10	9.0	1260.1	428.5	5.5	0.411
11	10.0	1260.1	428.5	5.9	0.385
12	12.0	1260.1	428.5	6.5	0.339
13	14.0	1260.1	428.5	7.1	0.304
14	16.0	1260.1	428.5	7.5	0.276
15	18.0	1260.1	428.5	7.9	0.253
16	20.0	1260.7	429.1	8.3	0.233
17	22.0	1260.7	429.1	8.6	0.216
18	24.0	1260.7	429.1	8.9	0.202
19	26.0	1260.7	429.1	9.2	0.189
20	28.0	1260.7	429.1	9.4	0.178
21	30.0	1260.7	429.1	9.6	0.169
22	35.0	1260.7	429.1	10.1	0.148
23	40.0	1260.7	429.1	10.5	0.132
24	45.0	1262.1	430.5	10.8	0.119
25	50.0	1262.1	430.5	11.1	0.109
26	55.0	1262.1	430.5	11.3	0.100
27	60.0	1262.9	431.3	11.5	0.092
28	70.0	1262.9	431.3	11.8	0.080
29	80.0	1262.9	431.3	12.1	0.071
30	90.0	1263.5	431.9	12.3	0.064
31	100.0	1263.5	431.9	12.4	0.058
D 32	110.5	1264.9	433.3	12.6	0.053
SECOND FLOW					
E 1	0.0	798.4			
2	4.0	856.4	58.0		
3	8.0	923.1	66.7		
4	12.0	936.7	13.6		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
5	16.0	940.2	3.4		
6	20.0	942.6	2.4		
7	24.0	943.8	1.2		
8	28.0	944.6	0.8		
9	32.0	944.6	0.0		
10	36.0	944.6	0.0		
11	40.0	945.8	1.2		
12	44.0	945.8	0.0		
13	48.0	946.5	0.6		
14	52.0	947.3	0.8		
15	56.0	947.3	0.0		
F 16	60.1	948.3	1.0		
SECOND CLOSED-IN					
F 1	0.0	948.3			
2	1.0	1172.7	224.5	1.0	1.879
3	2.0	1179.6	231.3	2.0	1.577
4	3.0	1182.6	234.3	2.9	1.415
5	4.0	1184.8	236.5	3.8	1.295
6	5.0	1186.8	238.5	4.7	1.202
7	6.0	1188.0	239.7	5.6	1.124
8	7.0	1189.0	240.7	6.4	1.063
9	8.0	1190.0	241.7	7.2	1.013
10	9.0	1191.4	243.1	8.0	0.969
11	10.0	1192.4	244.1	8.8	0.926
12	12.0	1193.2	244.9	10.3	0.858
13	14.0	1195.6	247.3	11.7	0.801
14	16.0	1196.4	248.1	13.2	0.752
15	18.0	1198.2	249.9	14.5	0.710
16	20.0	1199.0	250.7	15.8	0.673
17	22.0	1199.0	250.7	17.0	0.641
18	24.0	1199.0	250.7	18.2	0.612
19	26.0	1201.2	252.9	19.3	0.586
20	28.0	1202.4	254.1	20.4	0.562
21	30.0	1203.4	255.1	21.4	0.542
22	35.0	1203.4	255.1	23.8	0.495
23	40.0	1205.4	257.1	26.0	0.456
24	45.0	1206.6	258.3	28.0	0.424
25	50.0	1207.4	259.1	29.9	0.395
26	55.0	1208.8	260.5	31.6	0.371
27	60.0	1208.8	260.5	33.2	0.350
28	70.0	1209.6	261.3	36.1	0.314
29	80.0	1211.8	263.5	38.5	0.285
30	90.0	1213.2	265.0	40.7	0.262
31	100.0	1213.2	265.0	42.6	0.241
32	110.0	1214.4	266.2	44.4	0.224
G 33	121.2	1217.2	269.0	46.1	0.208

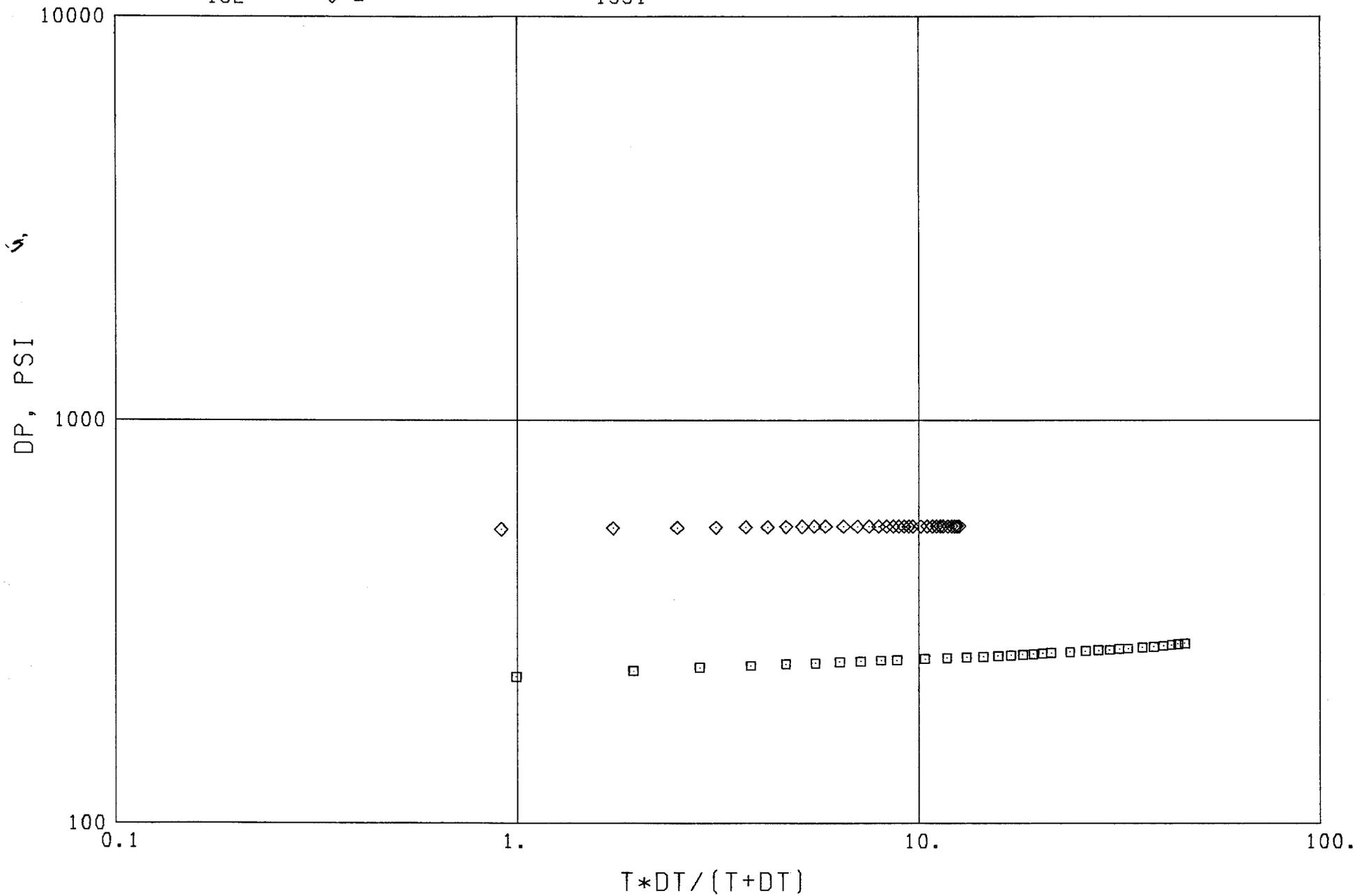
REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	2771.0	
3		DRILL COLLARS.....	6.250	2.250	402.9	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	3174.0
3		DRILL COLLARS.....	6.250	2.250	61.5	
5		CROSSOVER.....	5.750	2.250	1.0	
12		DUAL CIP VALVE.....	5.000	0.750	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	3248.0
80		AP RUNNING CASE.....	5.000	3.060	4.1	3250.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	3265.0
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	3271.0
20		FLUSH JOINT ANCHOR.....	5.000	2.370	29.0	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1	3303.0
TOTAL DEPTH					3306.0	

EQUIPMENT DATA

GAUGE NO CIP 1 2  
192     ◇   □

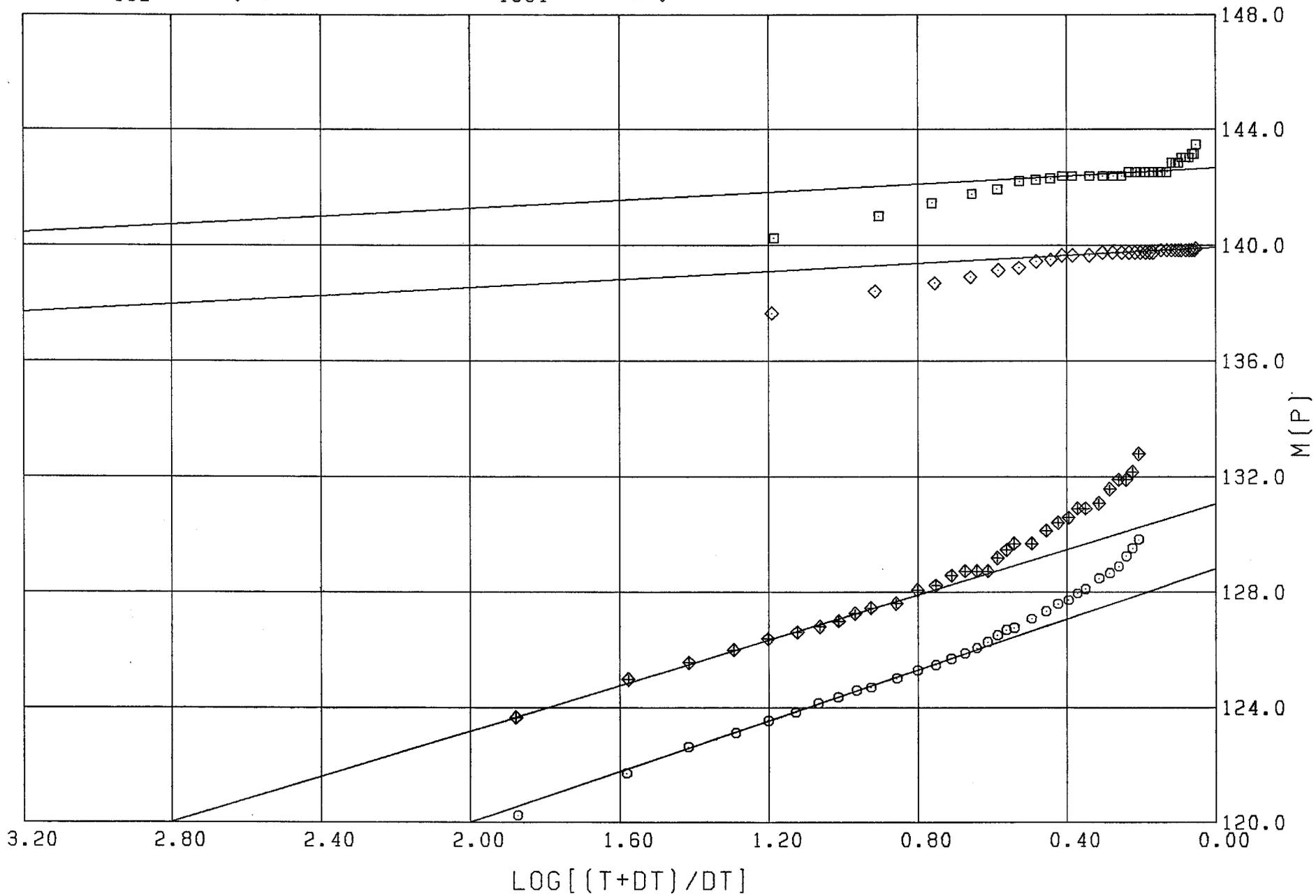
GAUGE NO CIP 1 2  
1531



TICKET NO 74061400

GAUGE NO CIP 1 2  
192     ◇ ○

GAUGE NO CIP 1 2  
1531     □ ◇



SUMMARY  
OF  
RESERVOIR PARAMETERS  
USING HORNER METHOD

GAS GRAVITY 0.600 TEMPERATURE 96.0 °F  
 NET PAY 10.0 ft POROSITY 10.0 %  
 RADIUS OF WELL BORE 0.328 ft VISCOSITY 0.013 cp  
 GAS DEVIATION FACTOR 0.863 GAS PROPERTIES AT 1209.5 Pstg  
 SYSTEM COMPRESSIBILITY 0.00105910 vol/vol/psi

GAUGE NUMBER	192	192	1531	1531			
GAUGE DEPTH	3250.0	3250.0	3303.0	3303.0			
FLOW AND CIP PERIOD	1	2	1	2			UNITS
FINAL FLOW PRESSURE	704.0	924.5	831.6	948.3			Pstg
TOTAL FLOW TIME	14.2	74.3	14.2	74.3			min
CALC. STATIC PRESSURE P*	1249.1	1199.5	1261.4	1209.5			Pstg
EXTRAPOLATED PRESSURE $m(P^*)$	139.9	128.8	142.7	131.1			$\frac{m\text{psi}^2}{\text{cp}}$
ONE CYCLE PRESSURE $m(P_{10})$	139.2	124.4	142.0	127.1			$\frac{m\text{psi}^2}{\text{cp}}$
PRODUCTION RATE Q		4634.0		4634.0			MCFD
FLOW CAPACITY kh		957.668		1069.19			md-ft
PERMEABILITY k		95.7668		106.919			md
SKIN FACTOR S		6.7		7.8			
DAMAGE RATIO DR		2.04		2.19			
INDICATED RATE MAX AOF <sub>1</sub>		11761.2		12351.0			MCFD
INDICATED RATE MIN AOF <sub>2</sub>		7382.5		7565.3			MCFD
THEORETICAL RATE DR×AOF <sub>1</sub>		23965.6		26999.2			MCFD
THEORETICAL RATE DR×AOF <sub>2</sub>		15043.2		16537.8			MCFD
RADIUS OF INVESTIGATION $r_l$		293.8		310.4			ft

## REMARKS:

THE PLOTS INDICATE THE PRESENCE OF A PERMEABILITY ANOMALLY WITHIN THE RADIUS OF INVESTIGATION.

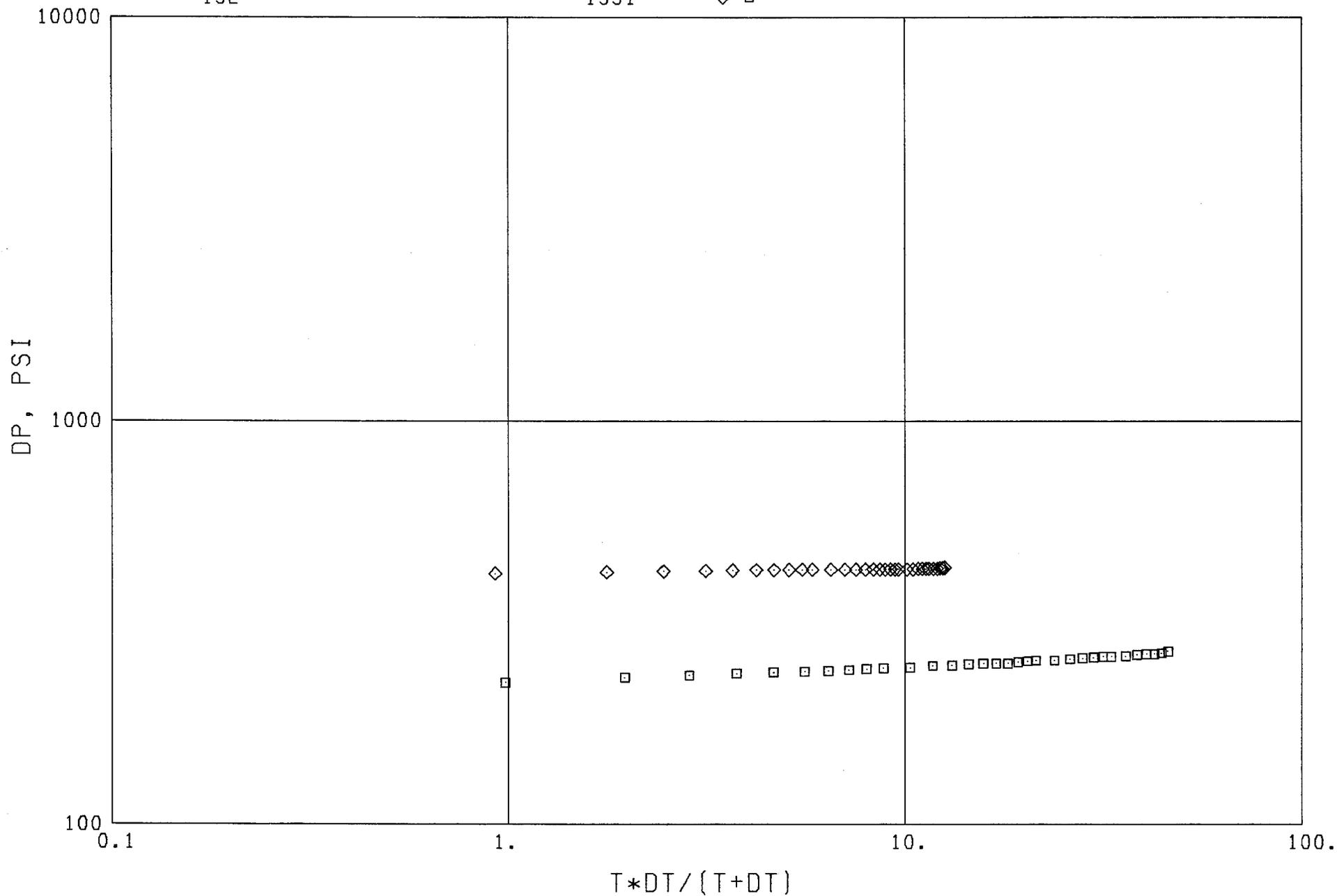
## NOTICE:

THESE CALCULATIONS ARE BASED UPON INFORMATION FURNISHED BY YOU AND TAKEN FROM DRILL STEM PRESSURE CHARTS, AND ARE FURNISHED TO YOU FOR YOUR INFORMATION. IN FURNISHING SUCH CALCULATIONS AND EVALUATIONS BASED THEREON, HALLIBURTON IS MERELY EXPRESSING ITS OPINION. YOU AGREE THAT HALLIBURTON MAKES NO WARRANTY EXPRESS OR IMPLIED AS TO THE ACCURACY OF SUCH CALCULATIONS OR OPINIONS, AND THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE, IN CONNECTION WITH SUCH OPINIONS.

TICKET NO 74061400

GAUGE NO CIP 1 2  
192

GAUGE NO CIP 1 2  
1531  $\diamond$   $\square$



# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 14, 1984

RECEIVED

JUN 19 1984

DIVISION OF OIL  
GAS & MINING

DIVISION OF OIL, GAS, & MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

Attn: Mr. Cleon B. Feight  
Director

RE: CROQUET FEDERAL #1  
Section 35, T6S-R21E  
Grand County, Utah

# TIGHT HOLE

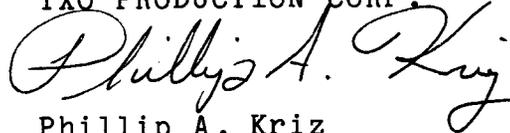
Gentlemen:

Enclosed find two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log" and a copy of the well history for the above referenced well.

If there are any further requirements concerning this well, please contact me at this office.

Sincerely,

TXO PRODUCTION CORP.



Phillip A. Kriz  
Petroleum Engineer

PAK/dek  
encls.

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE  
(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5

8

RECEIVED JUN 19 1984

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR **DIVISION OF OIL GAS & MINING**

3. ADDRESS OF OPERATOR **TXO PRODUCTION CORP.**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **1439' FNL & 1266' FEL, Sec. 35-6S-21E SE NE**

At top prod. interval reported below \_\_\_\_\_

At total depth \_\_\_\_\_

**RIGHT HOLE**

14. PERMIT NO. **43-047-31440** DATE ISSUED **2-7-84**

5. LEASE DESIGNATION AND SERIAL NO. **U-53862**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME **Croquet Federal**

9. WELL NO. **#1**

10. FIELD AND POOL, OR WILDCAT **Horseshoe Bend**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA **Section 35, T6S-R21E**

12. COUNTY OR PARISH **Uintah** 13. STATE **Utah**

15. DATE SPUDDED **5/25/84** 16. DATE T.D. REACHED **6/4/84** 17. DATE COMPL. (Ready to prod.) **6/13/84** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **4883' GR** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **3739'** 21. PLUG, BACK T.D., MD & TVD **3700'** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **All** CABLE TOOLS **none**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* **3271-3459' - Uintah 'B'** 25. WAS DIRECTIONAL SURVEY MADE \_\_\_\_\_

26. TYPE ELECTRIC AND OTHER LOGS RUN **DLL/GR, FDC/CNL/GR/CAL** 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#	346'	12-1/4"	210 sxs C1 'H'	
4-1/2"	10.5#		7-7/8"	365 sxs 50/50 poz, 210 sxs C1 'H'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	3268' KB	

31. PERFORATION RECORD (Interval, size and number)

3271-3273'	1 JSPF, .28"
3288-3294'	1 JSP2F, .28"
3338-3348'	1 JSP2F, .28"
3437-3441'	1 JSPF, .36"
3455-3459'	1 JSPF, .36"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3338-3348'	500 gal 7-1/2% HCL mud acid
3437-3441'	800 gal 7-1/2% HCL mud acid
3455-3459'	

33. PRODUCTION

DATE FIRST PRODUCTION **6/8/84** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **flowing** WELL STATUS (Producing or shut-in) **SI, WOPL**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/12/84	5	44/64"	→	0	928	Tr	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
350#	650#	→	0	4456	Tr	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Vented** TEST WITNESSED BY **Wes Sutton**

35. LIST OF ATTACHMENTS **Well History**

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

SIGNED Phillip A. Kriz TITLE Petroleum Engineer DATE 6/13/84

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s) and bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.												
37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES															
38. GEOLOGIC MARKERS															
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">NAME</th> <th style="width: 20%;">MEAS. DEPTH</th> <th style="width: 20%;">TAPE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Unint. "B"</td> <td>surf</td> <td></td> </tr> <tr> <td>Unint. "B"</td> <td>3203'</td> <td>(+1690')</td> </tr> <tr> <td>Green River</td> <td>3678'</td> <td>(+1215')</td> </tr> </tbody> </table>	NAME	MEAS. DEPTH	TAPE VERT. DEPTH	Unint. "B"	surf		Unint. "B"	3203'	(+1690')	Green River	3678'	(+1215')
NAME	MEAS. DEPTH	TAPE VERT. DEPTH													
Unint. "B"	surf														
Unint. "B"	3203'	(+1690')													
Green River	3678'	(+1215')													

WELL NAME: Croquet Federal #1  
AREA: Horseshoe  
LOCATION: Section 35, T6S-R21E  
COUNTY: Uintah  
STATE: Utah  
FOOTAGE: 1439' FNL & 1226' FEL

PTD: 3800'  
ELEVATIONS: 4895' KB, 4883' GL  
CONTRACTOR: Veco #2  
AFE NUMBER: 841677  
LSE NUMBER: 73624  
TXO WI: 75%

\*\*\*\*\*

RECEIVED

APCOT FINADEL JOINT VENTURE  
American Petrofina, Inc.  
P. O. Box 2159  
Dallas, Texas 75221  
Attn: James H. Henderson

Just Mail

JUN 19 1984

DIVISION OF OIL  
GAS & MINING

\*\*\*\*\*

- 05/25/84 96' (96'), drlg. MIRU Veco Rig #2. Drld RH & MH. Spudded @ 1:00 A.M. on 5/25/84. Drld to 96'. DW: 14,020. CW: 14,020. DD 1.
- 05/26/84 350' (254'), NU. Upper Uintah. 8.8, 38. Drld to 350'. TD 12-1/4" hole. TOOH. RIH w/ csg shoe (.72'), 8 jts 8-5/8", 24#, K-55, ST&C. Shoe @ 346'. Cmtd w/ 210 sxs Cl "H" w/ 2% CaCl<sub>2</sub> & 1/4#/sx celloflake. Dspl w/ 19.5 BW. PD @ 9:45 PM. BP w/ 1000#. Plug held. Full returns. WOC. NU & test BOP to 1000#. 1° @ 350'. DW: 6200. CW: 20,220. DD 2.
- 05/27/84 1165' (815'), drlg. Upper Uintah. Fin NU. TIH w/ DC. Lost btm DC. Got fish. Drld out FC & shoe. Drld to 1165'. DW: 13,770. CW: 33,990. DD 3.
- 05/28/84 2047' (882'), drlg. Upper Uintah. Drld to 2047'. 3/4° @ 1400', 1° @ 1923'. DW: 15,310. CW: 49,300. DD 4.
- 05/29/84 2564' (517'), drlg. Upper Uintah. 8.8, 28. Drld to 2564'. 3/4° @ 2417'. DW: 9450. CW: 58,750. DD 5.
- 05/30/84 3006' (442'), drlg. Upper Uintah. 8.9, 32. Drld to 3006'. 1/2° @ 2945'. DW: 8445. CW: 67,195. DD 6.
- 05/31/84 3308' (302'), TIH w/ DST tool. Upper Uintah. 9.2, 42, 10, 10.5. Drld to 3308'. Drlg brk 3276-3282', 6-2-3 MPF. Gas show 20 units. 2nd drlg brk 3290-3300', 4-1-4 MPF. Gas show 120 units. Circ. TOOH. PU DST tool & TIH. Hit small bridge @ 2651'. DW: 9700. CW: 76,895. DD 7.
- 06/01/84 3440' (132'), drlg. Uinta "B". 9.3, 38, 10, 11. TIH w/ DST tool. Run DST #1. DST #1 from 3270-3308', Upper Uinta. IFP, TO w/ weak blow. Gas to surf in 1 min. Installed 1" orifice plate. Had 205# for a rate of 4.3 MMCFD. FFP, TO w/ 740# on 1/2" orifice for a rate of 4.634 MMCFD. Stabilized. Rec 30' DM & 3240' of gas in pipe. IHHP 1618#, IFP (15 min) 406/715#, ISIP (120 min) 1253#, FFP (60 min) 755/916#, FSIP (120 min) 1199#, FHHP 1618#, BHT 96°F. BHSC @ 950#, 6.29 cu ft gas, tr of mud. TOOH w/ DST tool. TIH w/ bit #3, no tight hole during trip. 10' fill on btm. Drld to 3440'. 2° @ 3437'. DW: 6030. CW: 86,215. DD 8.
- 06/02/84 3708' (268'), drlg. Green River. Drld to 3708'. DW: 6856. CW: 93,071. DD 9.
- 06/03/84 3739' (31'), running csg. Green River. 9.4, 41, 10, 11. Drld to 3739'. TD 7-7/8" hole @ 8:30 AM 6/2/84. Circ & cond hole. Made 10 stnd short trip. No tight hole, 6' fill. Dropped survey. TOOH. RU GO WL. Ran FDC/CNL/GR/CAL & DIL/GR logs. Trouble w/ logging tools sticking on RIH. RD GO WL. TIH to 3634'. Out of gauge hole. Ream to 3739'. Circ & cond hole. TOOH. LD drill string. RU csg equip. Start running 4-1/2", 10.5#, K-55, ST&C csg. 2-3/4° @ 3739'. DW: 13,595. CW: 106,666. DD 10.
- 06/04/84 3739' (0'), RD. Green River. 9.4, 41, 10, 11. Finished RIH w/ 4-1/2" csg. Shoe @ (.72') @ 3739'. Ran 93 jts 4-1/2", 10.5#, K-55, ST&C. Circ w/ mud 1-1/4 hr. Pumped 20 bbls spacer. Cmtd w/ 365 sxs

WELL NAME: Croquet Federal #1  
AREA: Horseshoe  
LOCATION: Section 35, T6S-R21E  
COUNTY: Uintah  
STATE: Utah  
FOOTAGE: 1439' FNL & 1226' FEL

PTD: 3800'  
ELEVATIONS: 4895' KB, 4883' GL  
CONTRACTOR: Veco #2  
AFE NUMBER: 841677  
LSE NUMBER: 73624  
TXO WI: 75%

\*\*\*\*\*

06/13/84 3700' PBTD, 7 AM well flowing to pit on 1/2" ch against 520# @ 3344 MCFD w/ very light mist. Well had flowed for 12 hrs. 8 AM well flowing on 1/3" ch against 520# @ 3344 MCFD. SI well. SITP @ 2 min was 1120#. SITP @ 1 hr was 1140#. Killed well w/ 9.5# brine wtr. TOOH w/ RBP, ball catcher, pkr, SSN, & tbg. LD RBP, ball catcher, & pkr. TIH w/ notched collar, SSN, 104 jts 2-3/8", 4.7#, J-55, EUE tbg. Landed @ 3268' KB. ND BOP. NU wellhead. RU swab. Made 4 swab runs. Kicked well off. RR @ 2:30 PM 6/12/84. Well unloaded w/ heavy slugs. 5 PM well flowing to pit on 48/64" ch. FCP 700#, FTP 280# @ 4262 MCFD w/ very heavy mist. 8 PM well stabilized on 44/64" ch. FCP 650#, FTP 350# @ 4456 MCFD w/ very light mist. IP 4456 MCFD @ 350# FTP. SI Uintah gas well. WOPL. Drop from report. DW: 3350. CW: 200,825.

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JUN 22 1984

DIVISION OF OIL  
GAS & MINING



A GEOSCIENCE EXTENSION OF XCO

910 Sixteenth Street, #522, Denver, Colorado 80202 (303) 893-8138

TXO PRODUCTION CORPORATION  
CROQUET FEDERAL #1  
1439' FNL, 1266' FEL  
SECTION 35-T6S-R21E  
UINTAH COUNTY, UTAH

GEOLOGIST: Richard G. Steele  
GX Consultants

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RESUME

OPERATOR: TXO Production Corporation  
WELL NAME & NUMBER: Croquet Federal #1  
LOCATION: 1439' FNL, 1266' FEL  
Section 35 - T6S - R21E  
COUNTY & STATE: Uintah County, Utah  
SPUD DATE: May 24, 1984  
COMPLETION DATE (TD): June 2, 1984  
ELEVATIONS: 4,883' GL 4,895' KB  
TOTAL DEPTH: 3,728' LOGS 3,751' DRLR  
CONTRACTOR: VECO Drilling Company  
RIG: #2  
TYPE RIG: Double-Fixed Mast  
GEOLOGIST: Richard G. Steele, GX Consultants  
ENGINEER: Glen Hodges, Wes Sutton  
TOOL PUSHER: R.T.  
TYPE DRILLING MUD: Water, LSND  
MUD COMPANY: Davis Mud  
MUD ENGINEER: John Little  
HOLE SIZES: 12-1/4" to 350'  
7-7/8" to TD  
CASING: 8-5/8" @ 350'  
4-1/2" @ TD  
MUD LOGGING BY: Analex  
TYPE UNIT: Unmanned Unit  
CORE INTERVALS: None  
DST DEPTHS: #1: 3,275'-3,308'  
DST COMPANY: Halliburton  
ELECTRIC LOGS BY: Gearhart  
TYPE LOGS RUN: DIL/GR (Surface pipe to TD)  
FDC-CNL (2,530'-TD)  
LOGGING ENGINEER: Ditri  
BOTTOM FORMATION: Green River  
WELL STATUS: Awaiting completion

## SUMMARY AND CONCLUSIONS

The TXO Croquet Federal #1 was spudded on May 24, 1984 and reached a total depth of 3,751' (driller) on June 2, 1984.

The primary objective was the gas sands of the Uinta "B" formation. The first two sands were encountered at 3,285'-3,295' and 3,302'-3,310'. The lithology for the two zones (and for all Uinta "B" Sands) was Sandstone - white-clear, very fine to fine grain, well sorted, poorly to moderately cemented, occasionally loose grains, and no fluorescence. When the 2nd Sand was drilled, a gas kick of 120 units was seen.

The 1st and 2nd Sands were tested. During the final flow, pressure reached 740 psi through a 1/2" choke. This flow equals 4.67 million cubic feet per day (50' flare). Three more gas sands were encountered, but none were tested due to the success of DST #1. Porosities ranged from 17% to 26% ( $\emptyset$ ) and cross-over was seen on several sands (see Log Analysis).

Prospects for completion are excellent and casing was run on June 3, 1984.

FORMATION TOPS

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uinta Formation	Surface	
Uinta "B"	2,305	+1,688
Green River	3,657	+1,236

WELL HISTORY

1984	12:01AM	
<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
5/25	0	Spud well, drill surface hole.
5/26	350	Set surface casing, drilling 7-7/8" hole.
5/27	794	Drilling.
5/28	1,836	Drilling.
5/29	2,430	Drilling.
5/30	2,885	Drilling.
5/31	3,300	Drilling, run DST #1, drilling.
6/1	3,373	Drilling.
6/2	3,646	Drilling, TD @ 3738' @ 8:30 a.m. 6/2/84, condition hole for E-logs, run E-logs, condition hole for casing.





DRILLING FUNTIONS

<u>1984 DATE</u>	<u>DEPTH</u>	<u>WOB</u>	<u>RPM</u>	<u>PP</u>
5/25	350	25	60	300
5/26	795	38	75	800
5/27	1,836	35	70	1200
5/28	2,430	35	70	1250
5/29	2,885	35	70	1800
5/30	3,300	35	70	1800
5/31	3,375	35	70	1800
6/1	3,500	35	70	1800
6/2	3,645	35	70	1800

DRILL STEM TEST #1

Formation: Uintah "B"  
Interval: 3,275' to 3,308'  
Reason for Test: 120 unit gas kick  
Type Test: Conventional On-Bottom  
Testing Company: Halliburton  
Tester: Randy Ripple  
Water Cushion: None  
IF 15 Minutes: Good immediate blow, GTS in 1 minute, 155 psi in 5 minutes, built to 205 psi in 15 minutes.  
ISI 120 Minutes: Blow died in 15 minutes.  
FF 60 Minutes: Gas at surface, built to 740 psi in 10 minutes, stabilized at 740 psi.  
FSI 120 Minutes: --  
Recovery: 3,300' gas  
Bottom Hole Sampler: Pressure - 950 psi  
Recovery - 6.29 cu. ft. gas, trace mud  
Resistivity Data: Mud Pit: 31 @ 68°F 12,121 PPM Cl  
Pressures: 

	<u>Top Chart</u>	<u>Bottom Chart</u>
IH:	1617.6	1615.3
IF:	405.5 to 714.5	689.7 to 811.4
ISI:	1252.8	1254.6
FF:	754.7 to 915.6	770.8 to 933.1
FSI:	1198.7	1194.4
FH:	1617.6	1595.2

  
Top Choke: 1/4" Bottom Choke: 3/4"  
Bottom Hole Temperature: 96°  
Additional Remarks: Long initial shut-in due to waiting on manifold to gauge gas flow.

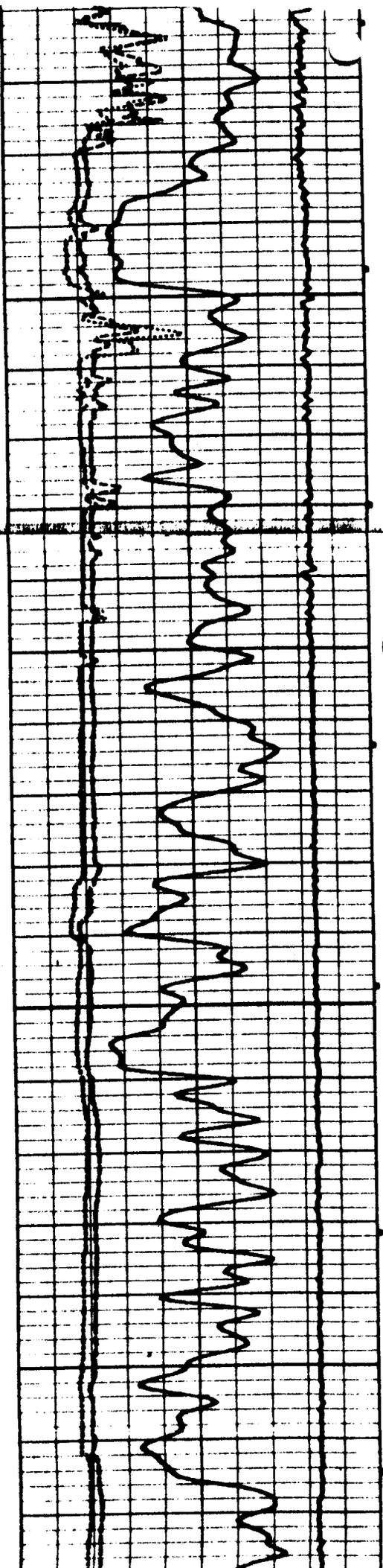


03200

3205

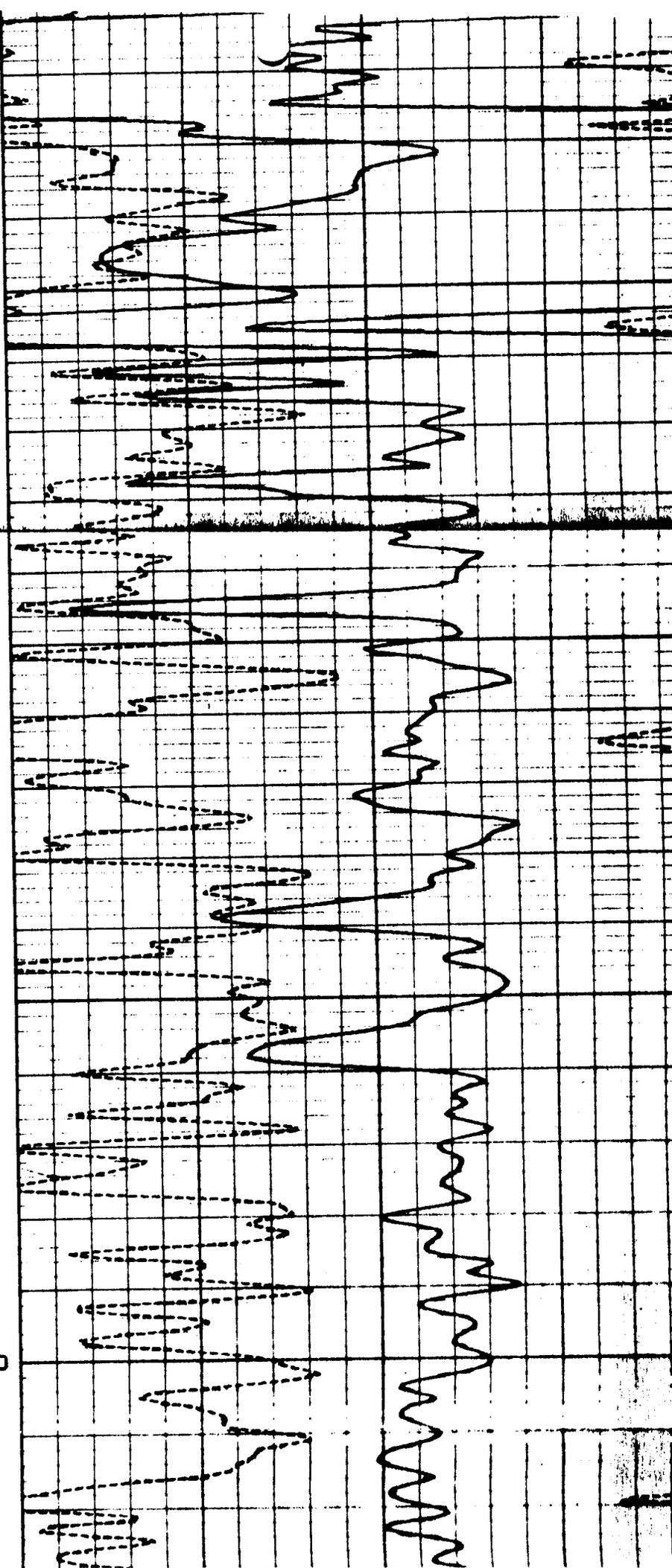
UNITA  
"B"  
(+1688)

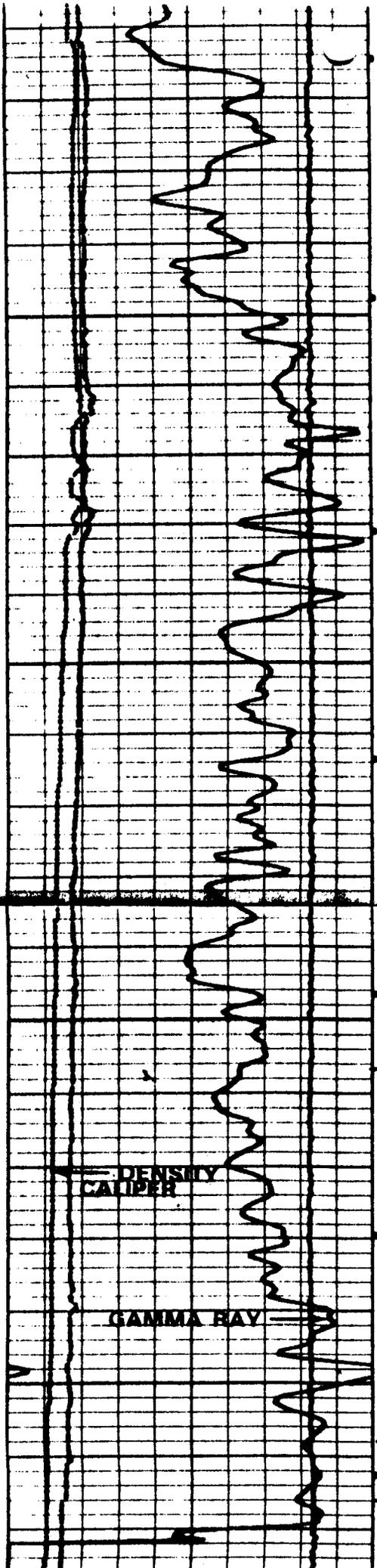
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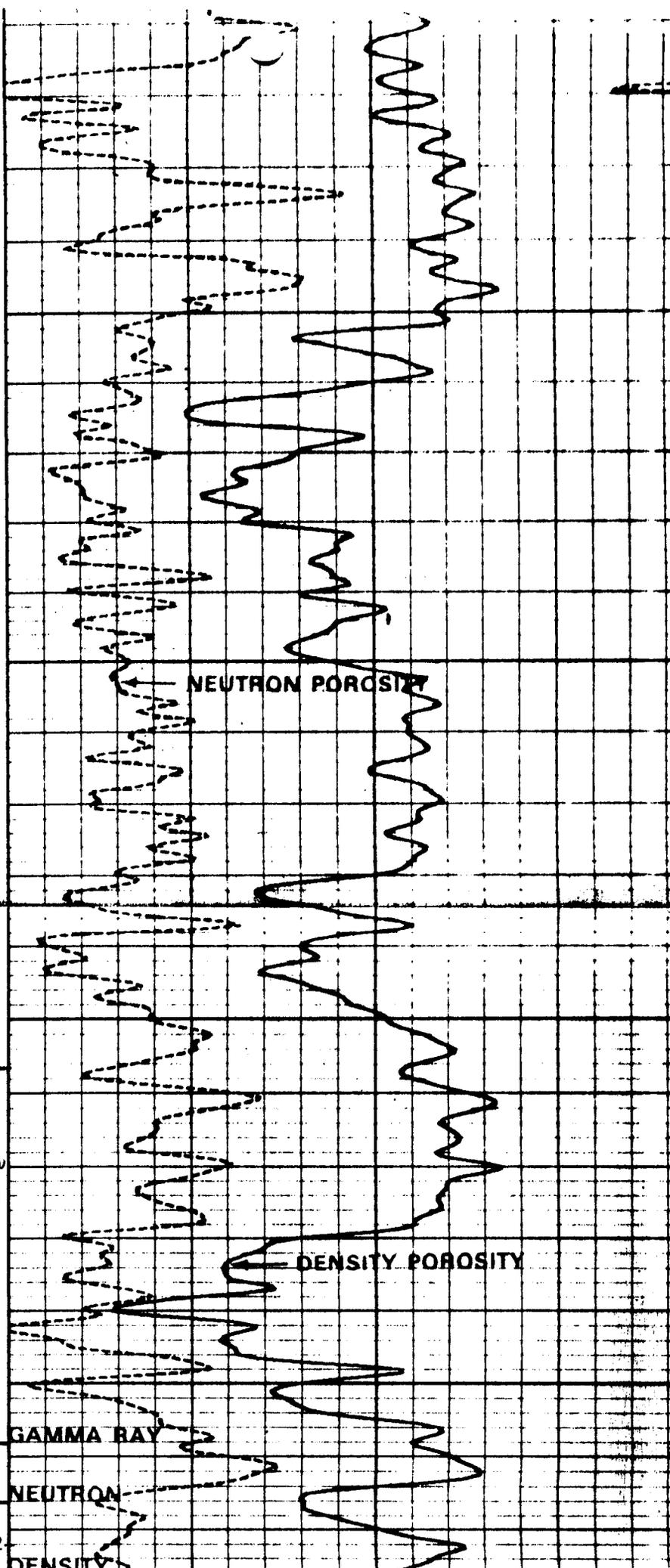
3657  
Green  
River  
Formation  
(+1236)

03700

F.R.

F.R.

F.R.<sup>-12</sup>



NEUTRON POROSITY

DENSITY POROSITY

GAMMA RAY

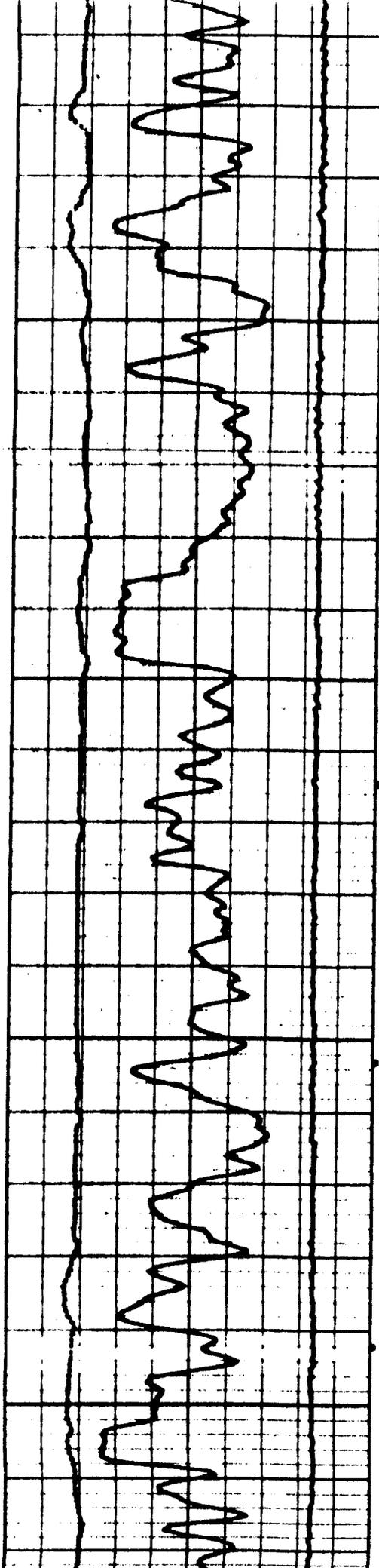
NEUTRON

DENSITY

03200  
3205

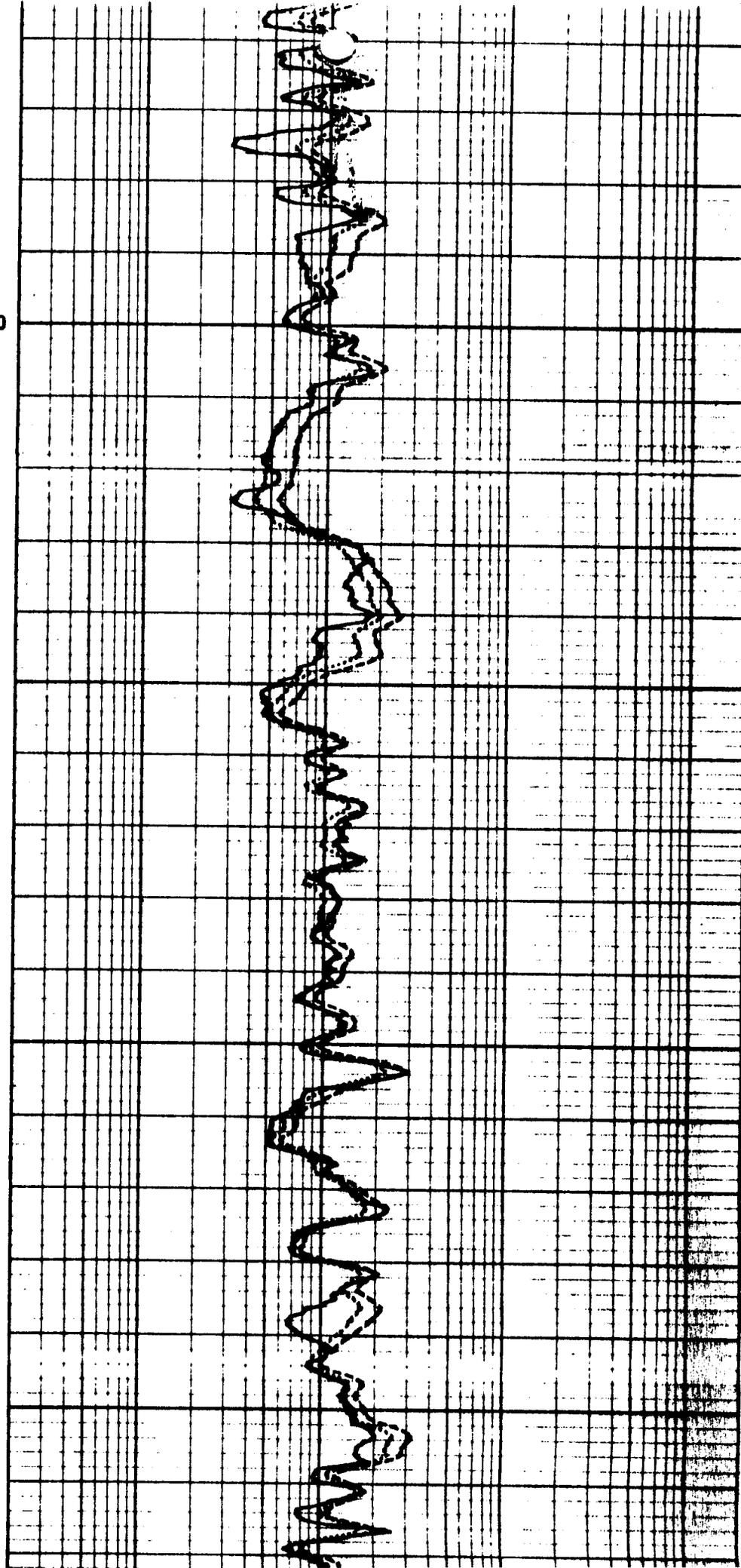
VINTA  
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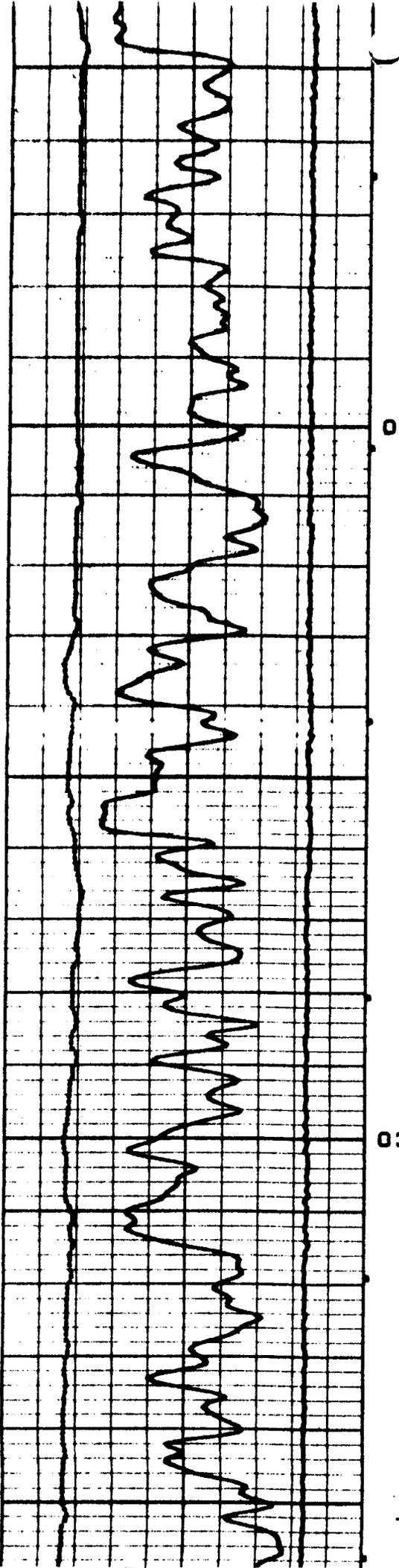
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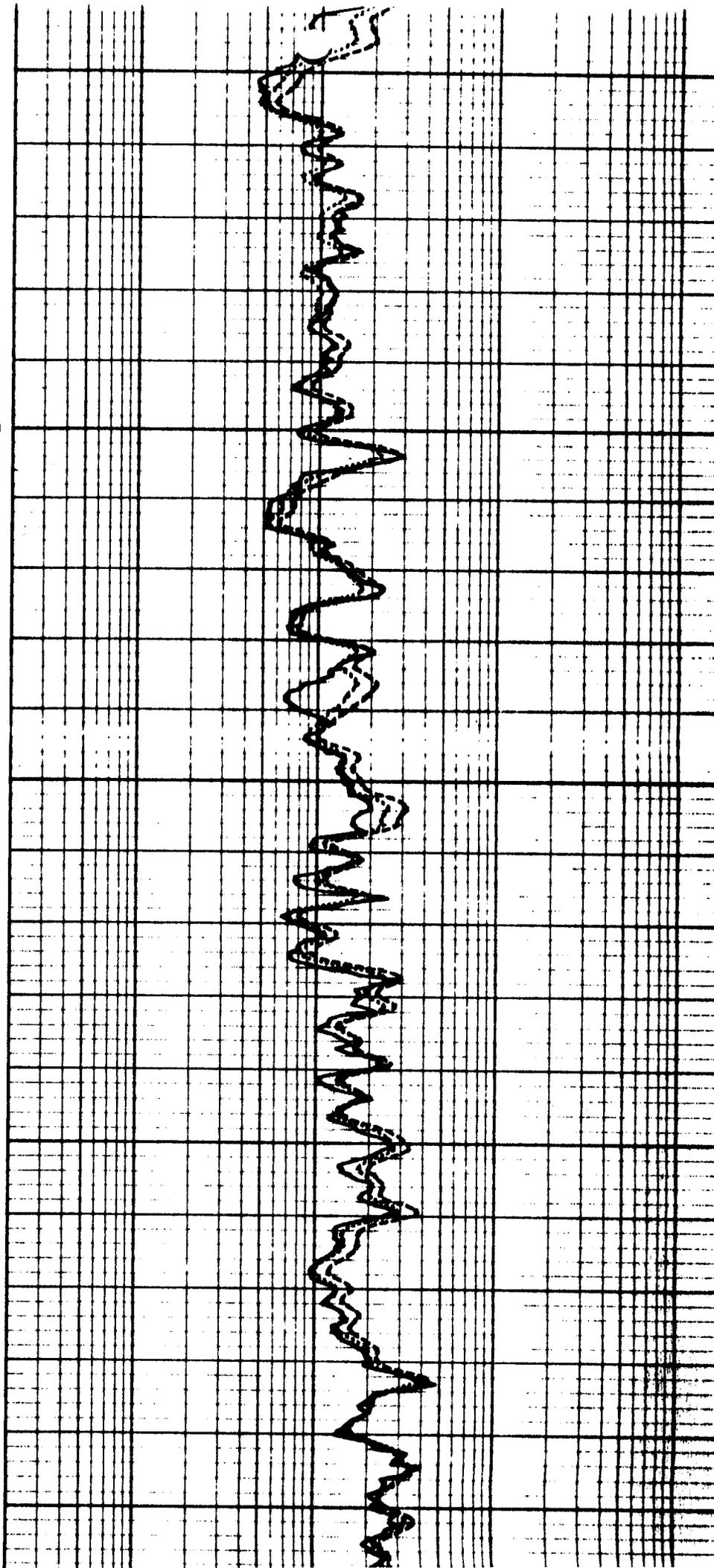
03400

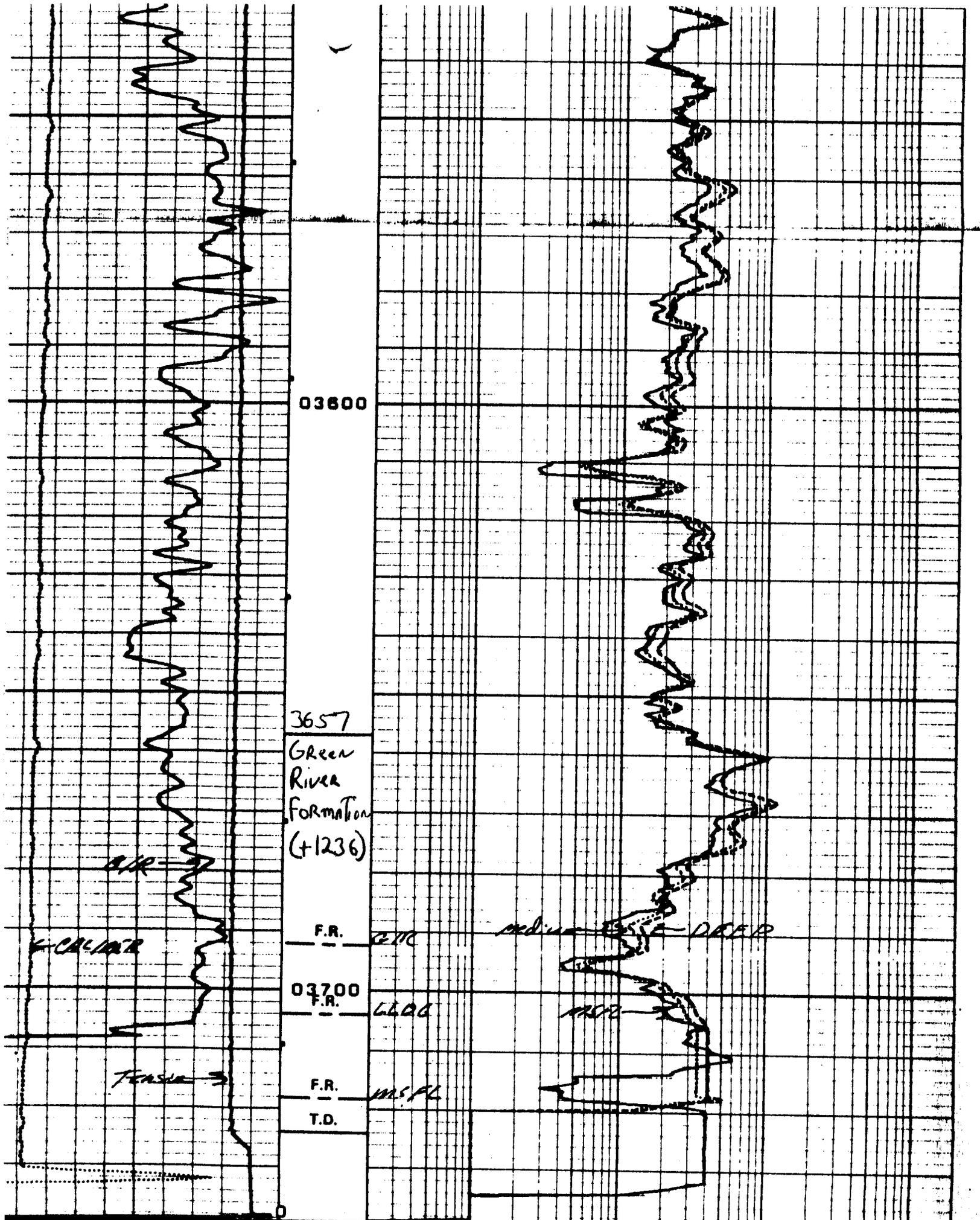




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03600

3657  
Green  
River  
Formation  
(+1236)

F.R. ETC

03700  
F.R. L.L.D.

F.R. M.S.F.L.

T.D.

CALIBR →

CALIBR →

TENSIE →

medium SAND DRED

MUD

LITHOLOGY

340-360	SHALE - rdbrn, occ gygn, sft, blk, v calc.
360-380	SHALE - rdbrn, ylbrn, gygn, ltgn, sft, blk, occ sdy, v calc.
380-400	SHALE - a/a. SANDSTONE - wh, clr, vf-mgr, fros gr, m-w srt, sbang-sbrd, p-f cmt, calc cmt, occ lse gr, n fluor.
400-420	SILTSTONE - rdbrn, ylbrn, gygn, frm-sft, v calc, occ sdy. SANDSTONE - a/a.
420-440	SANDSTONE - wh, clr, f-mgr, m-w srt, sbang-sbrd, calc cmt, n flor.
440-460	SANDSTONE - a/a.
460-480	SHALE - rdbrn, gygn, ylbrn, sft, blk, m-v calc, occ sdy. SANDSTONE - a/a.
480-500	SILTSTONE - rdbrn, ylbrn, ylgn, sft-frm, blk, v calc. SANDSTONE - a/a.
500-520	SHALE - rdbrn, ylbrn, ylgn, sft, blk, occ sdy, v calc.
520-540	SHALE - rdbrn, ylgn, gygn, wh, sft, blk, occ sdy, v calc.
540-560	SHALE - a/a.
560-580	SHALE - rdbrn, ylbrn, gygn, wh, sft, blk, occ sdy, v calc.
580-600	SHALE - rdbrn, gygn, wh, sft-frm, blk, occ sdy, v calc. Tr BENTONITE.
600-620	SHALE - a/a.
620-640	SHALE - rdbrn, ylbrn, gygn, sft, blk, v calc, occ sdy.
640-660	SHALE - rdbrn, gygn, ylbrn, gy, sft, blk, occ sdy, v calc.
660-680	SILTSTONE - gy, dkgy, sft, blk, n calc.
680-700	SHALE - a/a. SILTSTONE - a/a.
700-720	SHALE - rdbrn, ylbrn, gygn, sft, blk, m-v calc, occ sdy. SILTSTONE - gy, dkgy, sft, blk, n calc.
720-740	SHALE - a/a. SANDSTONE - wh, clr, pk, fros gr, f-vfgr, w srt, sbang-sbrd, n cmt, n flor.
740-760	SILTSTONE - a/a. SANDSTONE - a/a.

LITHOLOGY (Cont.)

760-780 SHALE - rdbrn, gygn, sft-frm, blk, m-v calc, occ sdy.

780-800 SHALE - a/a.

800-820 SHALE - rdbrn, gygn, sft-frm, blk, m-v calc, occ sdy.

820-840 SHALE - a/a.

840-860 SHALE - rdbrn, gygn, sft-frm, blk, m-v calc.  
Tr SANDSTONE.

860-880 SHALE - a/a.  
SANDSTONE - wh, clr, f-m gr, w srt, sbrd, n cmt, lse gr, fros  
gr, n flor.

880-900 SHALE, SANDSTONE - a/a.

900-920 SHALE, SANDSTONE - a/a.

920-940 SANDSTONE - wh, clr, ltgy, f-mgr, m srt, sbang-sbrd, lse gr, n  
flor.

940-960 SANDSTONE - a/a.

960-980 SANDSTONE - a/a.

980-1,000 SANDSTONE - wh, clr, fros gr, f-mgr, w srt, sbrd, n cmt, lse  
gr, n flor.

1,000-1,020 SANDSTONE - a/a.  
SHALE - rdbrn, frm-sft, blk, v calc.

1,020-1,040 SHALE - a/a.  
Tr SANDSTONE.

1,040-1,060 SHALE - rdbrn, ylbrn, sft-frm, blk, m-v calc.

1,060-1,080 SHALE, SANDSTONE - a/a.

1,080-1,100 SHALE - rdbrn, gygn, ylbrn, sft-frm, blk, v calc.

1,100-1,020 SHALE - a/a.  
Tr SANDSTONE.

1,120-1,140 SANDSTONE - a/a.

1,140-1,160 SHALE - rdbrn, sft-frm, blk, m-v calc.  
Tr SANDSTONE.

1,160-1,180 SHALE - a/a.

1,180-1,200 SHALE - a/a.  
SANDSTONE - clr, m gr, w srt, rd lse gr, n flor.

LITHOLOGY (Cont.)

- 1,200-1,220 SHALE - rdbrn, ylbrn, gygn, sft-frm, blk, v calc.  
SANDSTONE - a/a.
- 1,220-1,240 SHALE, SANDSTONE - a/a.
- 1,240-1,260 SANDSTONE - wh, clr, fgr, w srt, sbrd-rd, n cmt, n flor.
- 1,260-1,280 SHALE, SANDSTONE - a/a.
- 1,280-1,300 SHALE - rdbrn, sft, blk, v calc.
- 1,300-1,320 SHALE - rdbrn, ylbrn, gygn, frm, blk, v calc.
- 1,320-1,340 SHALE - a/a.  
Tr SANDSTONE.
- 1,340-1,360 SHALE - rdbrn, ylbrn, gygn, frm-sft, blk, v calc.
- 1,360-1,380 SHALE - a/a.
- 1,380-1,400 SHALE - rdbrn, gygn, ltgn, frm-sft, blk, v calc.  
Tr SANDSTONE.
- 1,400-1,420 SHALE - a/a.
- 1,420-1,440 SHALE - a/a.
- 1,440-1,460 SHALE - rdbrn, ylbrn, gygn, sft-frm, blk, v calc.
- 1,460-1,480 SHALE - a/a.
- 1,480-1,500 SHALE - a/a.
- 1,500-1,520 SANDSTONE - clr, wh, m-fgr, w srt, rd-sbrd, n cmt, n flor.
- 1,520-1,540 SHALE - rdbrn, gygn, ylbrn, frm-sft, occ slty, blk, v calc.  
Tr SANDSTONE.
- 1,540-1,560 SHALE - a/a.  
SANDSTONE - wh, clr, f-mgr, w srt, sbrd, n cmt, n flor.
- 1,560-1,580 SHALE - rdbrn, ylgn, ylbrn, sft-frm, blk, v calc, occ lmy.
- 1,580-1,600 SHALE - a/a.
- 1,600-1,620 SHALE - rdbrn, gygn, ylgn, sft-frm, blk, v calc, occ lmy.  
Tr CHERT.
- 1,620-1,640 SHALE - a/a.
- 1,640-1,660 SHALE - rdbrn, gygn, ylgn, frm-sft, blk, v calc.  
Tr SANDSTONE.

LITHOLOGY (Cont.)

- 1,660-1,680 SHALE - a/a.
- 1,680-1,700 SHALE - rdbrn, ylbrn, ylgn, sft-frm, blk, v calc.  
Tr SANDSTONE.
- 1,700-1,720 SHALE - a/a.
- 1,720-1,740 SHALE - a/a.  
SILTSTONE - dkgy, sft-frm, blk, n calc.
- 1,740-1,760 SILTSTONE, SHALE - a/a.
- 1,760-1,780 SHALE - rdbrn, gygn, ylbrn, sft-frm, blk, v calc.
- 1,780-1,800 SHALE - rdbrn, ylgn, ylbrn, gygn, sft, blk, v calc.
- 1,800-1,820 SHALE - a/a.  
Tr SANDSTONE.
- 1,820-1,840 SHALE - rdbrn, lav, gygn, sft, blk, v calc.
- 1,840-1,860 SHALE - a/a.
- 1,860-1,880 SHALE - a/a.  
SANDSTONE - wh, clr, f-mgr, w srt, rd, n cmt, n flor.
- 1,880-1,900 SANDSTONE - a/a.
- 1,900-1,920 SHALE - rdbrn, ylbrn, gygn, sft, blk, v calc.
- 1,920-1,940 SHALE - a/a.
- 1,940-1,960 SHALE - rdbrn, ylbrn, gygn, lav, sft, blk, m calc.
- 1,960-1,980 SHALE - a/a.  
SANDSTONE - wh, clr, vf-fgr, m srt, sbang-sbrd, n cmt, n flor.
- 1,980-2,000 SHALE, SANDSTONE - a/a.
- 2,000-2,020 SHALE, SANDSTONE - a/a.
- 2,020-2,040 SHALE - rdbrn, gygn, ylbrn, lav, sft, blk-plty, m-v calc.  
Tr SANDSTONE.
- 2,040-2,060 SHALE - a/a.
- 2,060-2,080 SHALE - a/a.  
Tr SANDSTONE.
- 2,080-2,100 SHALE - rdbrn, gygn, ylbrn, lav, sft-frm, blk, m-v calc.

LITHOLOGY (Cont.)

2,100-2,120 SHALE - a/a.  
Tr SANDSTONE.

2,120-2,140 SHALE - a/a.

2,140-2,160 SHALE - rdbrn, ylbrn, gygn, lav, sft-frm, blk, m calc.

2,160-2,180 SHALE - a/a.

2,180-2,200 SHALE - a/a.

2,200-2,220 SHALE - rdbrn, gygn, lav, sft-frm, blk, m calc.

2,220-2,240 SHALE - a/a.

2,240-2,260 SHALE - a/a.  
Tr SANDSTONE.

2,260-2,280 SHALE - a/a.  
SANDSTONE - wh, clr, vf-fgr, w srt, sbang-sbrd, n cmt, n flor.

2,280-2,300 SHALE - rdbrn, gygn, ylgn, sft-frm, blk, m-v calc.  
Tr SANDSTONE.

2,300-2,320 SHALE - a/a.

2,320-2,340 SHALE - a/a.

2,340-2,360 SHALE - a/a.

2,360-2,380 SHALE - rdbrn, gygn, frm-sft, blk, m-v calc.

2,380-2,400 SHALE - a/a.

2,400-2,420 SHALE - a/a.

2,420-2,440 SHALE - rdbrn, gygn, frm-sft, blk, m-v calc.

2,440-2,460 SHALE - a/a.

2,460-2,480 SHALE - a/a.  
Tr PYRITE.

2,480-2,500 SHALE - rdbrn, gygn, lav, frm-sft, blk, m-v calc.

2,500-2,520 SHALE - a/a.

2,520-2,540 SHALE - a/a.

2,540-2,560 SHALE - rdbrn, gygn, lav, frm-sft, blk, m-v calc.

2,560-2,580 SHALE - a/a.

LITHOLOGY (Cont.)

2,580-2,600 SHALE - a/a.

2,600-2,620 SHALE - rdbrn, gygn, lav, frm-sft, blk, m-v calc.

2,620-2,640 SHALE - a/a.

2,640-2,660 SHALE - a/a.

2,660-2,680 SHALE - rdbrn, gygn, gy, sft-frm, blk, sl calc.

2,680-2,700 SHALE - a/a.

2,700-2,720 SHALE - a/a.

2,720-2,740 SHALE - rdbrn, brn, gy, gygn, frm, blk, sl calc.

2,740-2,760 SHALE - a/a.

2,760-2,780 SHALE - gygn, rdbrn, brn, frm, blk, sl calc.

2,780-2,800 SHALE - a/a.

2,800-2,820 SHALE - a/a.

2,820-2,840 SHALE - gygn, rdbrn, frm-hd, blk, sl calc.

2,840-2,860 SHALE - a/a.

2,860-2,880 SHALE - a/a.  
Tr SILTSTONE.

2,880-2,900 SHALE - a/a.

2,900-2,920 SHALE - gygn, rdbrn, gy, frm-hd, blk, sl-m calc.

2,920-2,940 SHALE - gn, gygn, rdbrn, frm-hd, blk, plty, sl calc.

2,940-2,960 SHALE - a/a.

2,960-2,980 SHALE - a/a.

2,980-3,000 SHALE - gygn, rdbrn, frm, blk, sl-m calc.

3,000-3,010 SHALE - a/a.

3,010-3,020 SHALE - dkgn, dkgygn, rdbrn, blk, sl-m calc.

3,020-3,030 SHALE - a/a.

3,030-3,040 SHALE - a/a.

3,040-3,050 SHALE - dkgn, gygn, rdbrn, frm-hd, blk, sl-m calc.

LITHOLOGY (Cont.)

- 3,050-3,060 SHALE - a/a.
- 3,060-3,070 SHALE - a/a.  
BENTONITE.
- 3,070-3,080 SHALE - a/a.
- 3,080-3,090 SHALE - a/a.
- 3,090-3,100 SILTSTONE - gygn, rdbrn, gy, frm-hd, blk, sl-m calc.
- 3,100-3,110 SHALE, SILTSTONE - a/a.  
Tr BENTONITE.
- 3,110-3,120 SILTSTONE - gygn, rdbrn, gy, frm-hd, blk, sl-m calc.
- 3,120-3,130 SILTSTONE - a/a.
- 3,130-3,140 SILTSTONE - gygn, rdbrn, gy, frm-hd, blk, m calc.
- 3,140-3,150 SILTSTONE - a/a.  
Tr SHALE.
- 3,150-3,160 SHALE - gn, gygn, rdbrn, frm-hd, blk, sl-m calc.
- 3,160-3,170 SHALE - a/a.
- 3,170-3,180 SHALE - rdbrn, gygn, gn, frm-hd, blk, sl-m calc.  
BENTONITE.
- 3,180-3,190 SHALE - a/a.  
BENTONITE - yl-wh.
- 3,190-3,200 SHALE - rdbrn, gygn, wh, frm-hd, blk, sl-m calc.  
BENTONITE.
- 3,200-3,210 SHALE - a/a.
- 3,210-3,220 SHALE - gy, gygn, rdbrn, frm, blk, plty, sl-m calc.  
Tr SILTSTONE, BENTONITE.
- 3,220-3,230 SHALE - gy, ltgy, ltgygn, frm, blk, plty, sl-m calc.  
Tr SILTSTONE.
- 3,240-3,250 SHALE - gy, ltgy, wh, sft-frm, blk, m-v calc.
- 3,250-3,260 SHALE - a/a.  
Tr SILTSTONE.
- 3,260-3,270 SHALE - a/a.
- 3,270-3,280 SHALE - lt gn, lt gy, wh, rdbrn, sft-frm, blk, slty, m-v calc.

LITHOLOGY (Cont.)

- 3,280-3,290 SANDSTONE - wh-clr, vf-fgr, m-w srt, sbang-sbrd, calc cmt, n flor.
- 3,290-3,300 SANDSTONE - a/a.  
SHALE - a/a.
- 3,300-3,310 SHALE - rdbrn, gygn, gy, ltgy, sft-frm, blk, sl calc.
- 3,310-3,320 SHALE - a/a.  
Tr SANDSTONE.
- 3,320-3,330 SANDSTONE - wh-clr, vf-fgr, m-w srt, sbang-sbrd, calc cmt, n flor.
- 3,330-3,340 SANDSTONE - a/a.
- 3,340-3,350 SHALE - gy, ltgy, gygn, sft-frm, blk, sl-m calc.
- 3,350-3,360 SHALE - a/a.
- 3,360-3,370 SHALE - a/a.  
SANDSTONE - wh, clr, fgr, w srt, rd, n cmt, n flor.
- 3,370-3,380 SHALE - gygn, gy, wh, sft-frm, blk, sl-m calc.  
BENTONITE.
- 3,380-3,390 SHALE - a/a.
- 3,390-3,400 SHALE - a/a.  
SILTSTONE - ltgy, ltgygn, sft, blk, m calc.
- 3,400-3,410 SILTSTONE - a/a.  
Tr SANDSTONE.
- 3,410-3,420 SILTSTONE - ltgy, wh, sft, blk, m calc, occ sdy.
- 3,420-3,430 SILTSTONE - a/a.  
BENTONITE.
- 3,430-3,440 SHALE - gygn, dkg, frm-hd, blk, sl-m calc.  
SILTSTONE - a/a.
- 3,440-3,450 SHALE - a/a.  
SANDSTONE - wh, clr, fgr, w srt, sbrd-sbang, n cmt, lse gr, brt  
orng flor, f-g mlky cut.
- 3,450-3,460 SHALE - gygn, ltgn, ltgy, wh, sft-frm, blk, m-v calc.  
SANDSTONE - a/a.
- 3,460-3,470 SHALE - a/a.  
SANDSTONE - wh, ltgy, clr, vf-fgr, m srt, sbang-sbrd, w-p cmt,  
brt orng flor, f-g cut.
- 3,470-3,480 SHALE - gygn, ltgy, frm-hd, blk, sl-m calc.  
Tr SANDSTONE - a/a.

LITHOLOGY (Cont.)

- 3,480-3,490 SHALE -a/a.  
SANDSTONE - wh, ltgy, clr, vfgr, m-w srt, sbang-sbrd, m-w cmt, brt orng flor, p-f milky cut.
- 3,490-3,500 SANDSTONE - wh, ltgy, clr, vfgr, w srt, sbang, m-w cmt, calc cmt, n flor.
- 3,500-3,510 SANDSTONE - a/a.
- 3,510-3,520 SANDSTONE - ltgy, ltbrn, vfgr, w srt, sbang-sbrd, calc cmt, brt orng flor, p-f strm cut.
- 3,520-3,530 SHALE - gygn, ltgy, wh, frm, blk, sl-m calc.  
Tr SANDSTONE - a/a.
- 3,530-3,540 SHALE, SANDSTONE - a/a.
- 3,540-3,550 SHALE - a/a.  
SANDSTONE - wh, ltgy, vfgr, w srt, w cmt, brt orng flor, p-f strm cut, orng stn.
- 3,550-3,560 SHALE - gygn, ltgn, gy, frm-hd, blk-plty, m-v calc.  
Tr SANDSTONE - a/a.
- 3,560-3,570 SHALE - a/a.  
SILTSTONE - ltbrn, gybrn, brn, frm, plty, sl calc.  
Tr SANDSTONE - a/a.
- 3,570-3,580 SILTSTONE, SHALE - a/a.
- 3,580-3,590 SILTSTONE - wh, ltgy, ltbrn, hd-frm, blk-plty, sl calc, sdy ip, tr orng flor, n cut.
- 3,590-3,600 SILTSTONE - a/a.
- 3,600-3,610 SILTSTONE - wh, ltgy, gybrn, frm-sft, plty, sl-m calc.  
Tr SANDSTONE.
- 3,610-3,620 SILTSTONE - a/a.
- 3,620-3,630 SILTSTONE - ltgy, wh, gybrn, sft-frm, blk, plty, sl-m calc.  
Tr SANDSTONE, tr yel-gn flor.
- 3,630-3,640 SANDSTONE - wh, ltgy, clr, s&p, vfgr, m srt, sbang, w cmt, calc cmt, n flor.
- 3,640-3,650 SANDSTONE, SILTSTONE - a/a.
- 3,650-3,660 SHALE - gn, gygn, frm-hd, blk, m calc, occ SLTST.
- 3,660-3,670 SHALE - ltbrn, gy, ltgy, sft-frm, blk, m calc.
- 3,670-3,680 SHALE - a/a.

LITHOLOGY (Cont.)

- 3,680-3,690 SHALE - a/a.
- 3,690-3,700 SILTSTONE - wh, ltgy, ltbrn, hd, blk, sl calc.
- 3,700-3,710 SILTSTONE, SHALE - a/a.
- 3,710-3,720 SILTSTONE - ltgy, wh, frm, blk, plty, v calc.
- 3,720-3,730 SILTSTONE - a/a.  
SANDSTONE - ltgy, ltbrn, vfgr, w srt, sbrd, calc cmt, n flor.
- 3,730-3,740 SANDSTONE - wh, ltbrn, ltgy, vfgr, w srt, sbrd, calc cmt, p cmt,  
n flor, occ vis dead oil stn.

RECEIVED  
JAN 24 1991



**Marathon  
Oil Company**

P.O. Box 2690  
Cody, Wyoming 82414  
Telephone 307/587-4960

DIVISION OF  
OIL, GAS & MINING

*dg  
1-2  
Mry DRJ  
-c R Furth*

January 22, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

UTAH DIVISION OF OIL, GAS & MINING  
3 Triad Center, Ste. 350  
Salt Lake City, UT 84180-1203  
Attention: State Director

Re: The Merger of TXO Production Corp. into  
Marathon Oil Company

Gentlemen:

As Marathon Oil Company advised in its October 8, 1990 letter, TXO Production Corp., a Delaware corporation ("TXO") was being merged into Marathon Oil Company, an Ohio corporation ("Marathon"), on or before January 1, 1991. As stated in the October letter, before this merger, both TXO and Marathon were subsidiaries of USX Corporation.

Effective January 1, 1991, TXO was merged into Marathon, with Marathon becoming the surviving corporation, as evidenced by the enclosed Certificate of Merger signed by the Secretary of State for the State of Ohio. Due to this statutory merger, by operation of law, Marathon, as the surviving entity, has succeeded to all of the assets, property, rights, privileges, power and authority, and has assumed all obligations and liabilities of TXO which existed on the date of the merger.

Marathon requests that your records and filings be changed to reflect this merger, including making any appropriate change in your operator or ownership records. For the purposes of any change, mailing or notification, please substitute the following address and phone number for TXO:

Marathon Oil Company  
Attention: Mr. R. P. Meabon  
1501 Stampede Avenue  
P. O. Box 2690  
Cody, WY 82414  
(307) 587-4961

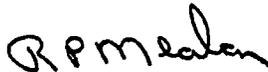
Utah Division of Oil, Gas & Mining  
January 22, 1991  
Page 2

Any bond in the name of TXO should be cancelled and all wells and properties shown on the attached Exhibit "A" should be placed on Marathon's statewide bond for the state of Utah.

Marathon respectfully requests that you acknowledge your receipt of this letter by signing the enclosed duplicate original of this letter in the space provided below, and returning it to me in the self-addressed, stamped envelope provided. Also, please provide Marathon with confirmation of the bond cancellations in accordance with the substitution requested above.

Marathon appreciates your patience and cooperation in this matter, and if Marathon can be of any further assistance, please feel free to contact this office.

Sincerely,



R. P. Meabon  
Regulatory Coordinator  
Rocky Mountain Region  
Extension 3003

RPM:mh

Attachments

RECEIVED AND ACCEPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_,  
1991, BY:

\_\_\_\_\_  
[Governmental Agency or Department]

By \_\_\_\_\_  
Name \_\_\_\_\_  
Its \_\_\_\_\_  
Title

UNITED STATES OF AMERICA,  
STATE OF OHIO,  
OFFICE OF THE SECRETARY OF STATE. }

I, Sherrod Brown

do hereby certify that I am the duly elected, qualified and present acting Secretary of State for the State of Ohio, and as such have custody of the records of Ohio and Foreign corporations; that said records show an AGREEMENT OF MERGER of MARATHON PETROLEUM COMPANY, an Ohio corporation, Charter No. 7265, having its principal location in Findlay, County of Hancock, and incorporated on August 1, 1887, and TXO PRODUCTION CORP., a Delaware corporation, having qualified to do business within the State of Ohio on November 2, 1983, under License No. 623328, into MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, the survivor of said Merger, filed in this office on December 24, 1990, recorded in the Records of Incorporation. Said surviving corporation, MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, having its principal location in Findlay, County of Hancock, was incorporated on November 18, 1981 and is currently in GOOD STANDING upon the records of this office.

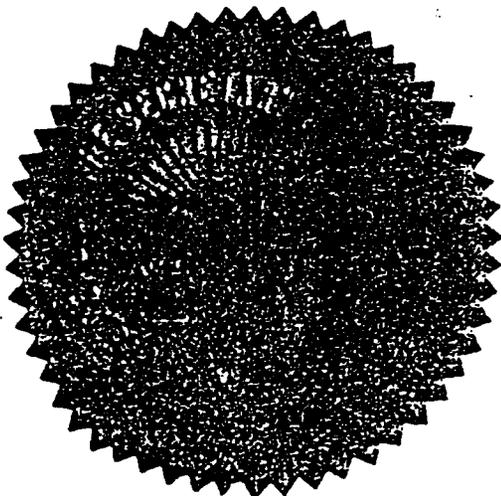
WITNESS my hand and official seal at

Columbus, Ohio, this

28th day of December, A.D. 1990



Sherrod Brown  
Secretary of State



DOGm - FYI - From Connie Larson - TAX Commission

Tax Compliance Division



Findlay, Ohio 45840  
Telephone 419/422-2121

January 23, 1991

N1580

TO WHOM IT MAY CONCERN:

Effective immediately after the close of business on December 31, 1990, TXO Production Corporation, taxpayer I.D. 75-1710388, a Delaware Corporation, was merged into Marathon Oil Company, taxpayer I.D. 25-1410539.

Following the merger, all business activity previously conducted by TXO Production Corporation will be conducted by and under the name of Marathon Oil Company.

Marathon Oil Company  
Tax Organization

GRL:pah  
GRL100T

FEB 14 1991  
REC'D USITC P.B.

Send a copy to DOGM 2-21-91

A subsidiary of USX Corporation

Copy sent to Master  
Sale Mail



UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TXO PRODUCTION CORP.  
 P. O. BOX 2690  
 CODY WY 82414  
 ATTN: R. P. MEABON

Utah Account No. N1580  
 Report Period (Month/Year) 12 / 90  
 Amended Report

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
BMG FEDERAL #4 U-05015-A 4301931130 06792 16S 26E 17	DKTA ✓				
BMG FEDERAL #5 U-05015 4301931131 06793 16S 26E 7	BUKHN ✓				
BMG FEDERAL #7 U-05015-A 4301931183 06794 16S 26E 17	DKTA ✓				
OIL SPRINGS UNIT 7 U-16956 4304731248 06795 12S 24E 4	WSTC ✓		Need successor to unit operator (TXO - to marshon)		
TOC TXO POGO USA 15-9 U-49535 4301930779 09155 17S 24E 15	DKTA ✓				
EVACUATION CREEK STATE 23-2-1 ml-15566 4304715675 09605 12S 25E 2	DKTA ✓				
CROQUET FEDERAL #1 U-38404 4304731440 09635 06S 21E 35	UNTA ✓				
CROQUET FEDERAL #2 U-53862 4304731672 09636 06S 21E 35	UNTA ✓				
WELLS FEDERAL "A" #1 U-54198 4304731603 09841 11S 23E 12	MVRD ✓				
SHUFFLEBOARD FEDERAL #1 U-31255 4304731668 09842 06S 21E 27	UNTA ✓				
STIRRUP FEDERAL 28-1 U-34711 4304731571 10182 06S 21E 28	GR-WS ✓				
STIRRUP STATE #32-4 ml-22036 4304731648 10183 06S 21E 32	UNTA ✓				
CRACKER FEDERAL #3 U-54193 4304731689 10581 11S 23E 5	WSTCL ✓				
TOTAL					

Comments (attach separate sheet if necessary) \* Evacuation Creek - Terminated eff. 1-24-91.

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:	
1- LCR	<i>[initials]</i>
2- DTS	<i>[initials]</i>
3- VLC	<i>[initials]</i>
4- RJF	<i>[initials]</i>
5- RWM	<i>[initials]</i>
6- LOR	<i>[initials]</i>

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: 1-1-91 )

TO (new operator) <u>MARATHON OIL COMPANY</u>	FROM (former operator) <u>TXO PRODUCTION CORP.</u>
(address) <u>P. O. BOX 2690</u>	(address) <u>P. O. BOX 2690</u>
<u>CODY, WY 82414</u>	<u>CODY, WY 82414</u>
phone <u>(307) 587-4961</u>	phone <u>(307) 587-4961</u>
account no. <u>N 3490</u>	account no. <u>N1580</u>

Well(s) (attach additional page if needed):      **\*\*\*MERGER\*\*\***

Name: <b>**SEE ATTACHED**</b>	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(see documentation)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(see 1-24-91)*
- 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: \_\_\_\_\_.
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-26-91)*
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 5, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *(Federal & State wells only!)* *(upon completion of routing)*
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date February 27, 1991. If yes, division response was made by letter dated March 1, 1991.

INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 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.
- 2. Copies of documents have been sent to State Lands for changes involving State leases. *Sent 3-5-91*

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: March 11 1991. *RWM*

INDEXING

- 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

910204 Bfm/maab ~~No doc. as of yet.~~ (In the process of changing) will call when approved.  
 Bfm/S.Y. Book Cliffs Unit, Oil Springs Unit, Marble Mansion Unit (Not approved as of yet)  
 910204 St. Lands - No documentation as of yet. (Copy hand delivered 2-8-91) for  
 910222 Bfm/S.Y. - Approved 2-20-91 - OK for DOGM to recognize eff. date 1-1-91. (T. Thompson)  
 910226 St. Lands - Needs additional info. "will take 2-3 weeks". (Proceed with change per DTS)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		3. LEASE DESIGNATION & SERIAL NO. See Below
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		6. IF INDIAN ALLOTTEE OR TRIBE NAME
<p>2. NAME OF OPERATOR Marathon Oil Company</p>		7. UNIT AGREEMENT NAME
<p>3. ADDRESS OF OPERATOR P.O. Box 2690, Cody, Wyoming 82414</p>		8. FARM OR LEASE NAME See Below
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Below At proposed prod. zone See Below</p>		9. WELL NO. See Below
<p>14. API NO. See Below</p>		10. FIELD AND POOL, OR WILDCAT - See Below
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below
<p>12. COUNTY Grand and Uintah</p>		13. STATE Utah

**RECEIVED**

FEB 23 1993

DIVISION OF OIL GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____		DATE OF COMPLETION _____	

APPROX. DATE WORK WILL START \_\_\_\_\_

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.)

\* Must be accompanied by a cement verification report.

On 2/22/93 with an effective date of October 1, 1992, Marathon Oil Company sold all of its rights, title and interests shown on Exhibit 'A' and 'B' to:

Lone Mountain Production Company  
P.O. Box 3394, 408 Production Building  
Billings, Montana 59103-3394

By copy of this sundry notice to Lone Mountain Production Company, Marathon is advising that Lone Mountain Production Company is responsible for operating these leases and wells within the federal and state rules and regulations.

Utah O&G--cc: WRF,RDS,CLB,RPM,KJI,TITLE AND CONTR(HOU),ACCTG.,CFR,LONE MTN. PROD.

18. I hereby certify that the foregoing is true and correct  
SIGNED R.P. Meabon TITLE Regulatory Coordinator DATE 2/23/93

(This space for Federal or State office use)

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

See Instructions On Reverse Side

List of Properties sold by Marathon Oil Company to Lone Mountain Production Company, P.O. Box 3394, 408 Petroleum Building, Billings, Montana 59103-3394

WELL	LOCATION	LEASE	API #
<b>North Horse Point Field</b>			
Little Berry State #1	SW/4 SW/4, Sec. 2-16S-23E	ML-21061	043-019-31075
<b>BAR X West Field</b>			
Hancock Federal #2	NW/4 SW/4, Sec. 5-17S-25E	U-38720	043-019-30833
<b>Bryson Canyon Field</b>			
Hougen Federal A#1- St #1	SW/4 SW/4 Sec. 14-17S-24E	U-42480	043-019-30799
TXO Pogo USA #19-9	NE/4 SE/4, Sec. 15-17S-24E	U-49535	043-019-30779
<b>East Canyon Field</b>			
Callister Federal #1	NW/4 SE/4 Sec. 24-16S-24E	U-38363	043-019-30857
Ptasynski Federal #1	NE/4 NW/4 Sec. 15-17S-23E	U-24603-A	043-019-30780
<b>Horseshoe Bend Field</b>			
Bridle Federal #1	SW/4 SW/4 Sec. 34-6S-22E	U-47866	043-047-31533
Bridle Federal #2	NE/4 SE/4 Sec. 34-6S-22E	U-47866	043-047-31655
Bridle Federal #3	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31678
Bridle Federal #4	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31866
Croquet Federal #1	SE/4 NE/4 Sec. 35-6S-21E	U-53862	043-047-31440
Croquet Federal #2	NE/4 SE/4 Sec. 35-6S-21E	U-53862	043-047-31672
Croquet Federal #3	NE/4 NW/4 Sec. 35-6S-21E	U-53862	043-047-31867
Football Fed #29-4	SE/4 SW/4 Sec. 29-6S-21E	U-46699	043-047-31883
Shuffleboard Fed #1	NE/4 NE/4 Sec. 27-6S-21E	U-31255	043-047-31668
Stirrup Fed. #28-1	NW/4 SW/4 Sec. 28-6S-21E	U-34711	043-047-31571
Stirrup Fed. #29-2	NW/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31508
Stirrup Fed. #29-3	SE/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31634
Stirrup State #32-1	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31557
Stirrup State #32-2	SE/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31626
Stirrup State #32-4	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31648
<b>Rockhouse Field</b>			
Cracker Fed. #1	SE/4 NE/4 Sec. 8-11S-23E	U-54197	043-047-31532
Cracker Fed. #2	SE/4 SE/4 Sec. 8-11S-23E	U-54197	043-047-31690
Cracker Fed. #3	SW/4 SE/4 Sec. 5-11S-23E	U-54193	043-047-31689
Cracker Fed. #4	SE/4 NE/4 Sec. 7-11S-23E	U-54196	043-047-31748
Marble Mansion #1	SE/4 SE/4 Sec. 18-11S-23E	U-54201	043-047-31865
Wells Fed. A #1	SW/4 SE/4 Sec. 12-11S-23E	U-54198	043-047-31603

San Arroyo Field

Arco Fed. B #1	SE/4 SE/4 Sec. 6-16S-25E	U-9831	043-019-30552
Arco Fed. C #1	NW/4 NW/4 Sec. 35-16S-25E	U-06188-B	043-019-30572
Arco Fed. D #1	NE/4 SE/4 Sec. 34-16S-25E	U-29645	043-019-30578
Arco Fed. H #1	NW/4 SW/4 Sec. 12-16S-25E	U-0126528	043-019-31002
Bennion Fed. #1	NE/4 NW/4 Sec. 30-16S-25E	U-24632	043-019-30893
BMG Fed. #1	NE/4 NW/4 Sec. 8-16S-26E	U-05015	043-019-31017
BMG Fed. #2	SW/4 SW/4 Sec. 8-16S-26E	U-05015	043-019-31108
BMG Fed. #3	SW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31114
BMG Fed. #4	NW/4 NW/4 Sec. 17-16S-26E	U-05015-A	043-019-31130
BMG Fed. #5	NW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31131
BMG Fed. #7	NW/4 SE/4 Sec. 17-16S-26E	U-05015-A	043-019-31183
Bookcliffs #1	SE/4 SE/4 Sec. 32-18S-22E	U-036905	043-019-15410
Bookcliffs #3	SW/4 NE/4 Sec. 33-18S-22E	U-036905	043-019-15411
Credo Fed. #1	NE/4 SE/4 Sec. 5-16S-26E	U-24638	043-019-30797
Credo Fed. A #1	SE/4 NW/4 Sec. 5-16S-26E	U-24638	043-019-30798
Grynberg Fed. #1	NE/4 SW/4 Sec. 28-16S-25E	U-13653	043-019-30657
Harvey Fed. #1-X	SW/4 SE/4 Sec. 5-16S-25E	U-10427	043-019-30574
Lauck Fed. A #1	SE/4 SE/4 Sec. 29-16S-25E	U-34033	043-019-30990
Lauck Fed. #2	NW/4 SW/4 Sec. 29-16S-25E	U-34033	043-019-31109
Moxa Fed. #1	SW/4 SW/4 Sec. 9-16S-26E	U-24638	043-019-30698
Moxa Fed. A #1	NE/4 SE/4 Sec. 4-16S-26E	U-24638	043-019-30792
Nicor Fed. #1	NW/4 NE/4 Sec. 28-16S-25E	U-31807	043-019-30656
Nicor Fed. #2	NW/4 NE/4 Sec. 33-16S-25E	U-13653	043-019-31020
Texas Pac St #1	NW/4 SE/4 Sec. 36-16S-25E	ML-4468-A	043-019-30634
Texas Pac St #2	SW/4 SW/4 Sec. 36-16S-25E	ML-4468-A	043-019-30670
Valentine Fed. #1	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-30639
Valentine Fed. #2	SE/4 NW/4 Sec. 34-16S-25E	U-38276	043-019-30640
Valentine Fed. #3	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-31009
Wall Fed. #1	NE/4 SW/4 Sec. 30-16S-25E	U-24632	043-019-30838

Oil Springs Field

Oil Springs #5	NE/4 SW/4 Sec. 5-12S-24E	U-08424-A	043-047-15930
Oil Springs #7	SE/4 SW/4 Sec. 4-12S-24E	U-08424-A	043-047-31248
Oil Springs #10	NE/4 NE/4 Sec. 5-12S-24E	U-08424-A	043-047-31656

Evacuation Creek Field

Evacuation Creek State A #1	NE/4 NE/4 Sec. 2-12S-25E	ML-28043	043-047-31674
Evacuation Cr.#23-2-1	NE/4 SW/4 Sec. 2-12S-25E	ML-28043	043-047-15675
Evacuation Creek State #1	SE/4 SW/4 Sec. 36-11S-25E	ML-39868	043-047-31307

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394  
408 PETROLEUM BUILDING  
BILLINGS, MONTANA 59103-3394  
(406) 245-5077  
FAX 248-6321

February 22, 1993

State of Utah  
Dept. of Natural Resources  
Division of Oil, Gas, & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

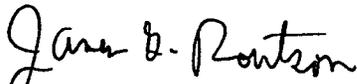
Re: Change of Operator  
Sundry Notices  
Grand and Uintah Counties, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for 53 wells located on Federal lands in Utah for which Lone Mountain Production Company is assuming operations effective February 22, 1993. Two separate lists of the wells and lease numbers, by sorted by BLM district, are attached. The wells were all previously operated by Marathon Oil Company. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company

  
James G. Routson  
President

Enclosures

xc: Joe Dyk  
Marathon

RECEIVED

FEB 25 1993

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
U-53862

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Lone Mountain Production Company

3. Address and Telephone No.

P.O. Box 3394, Billings, MT 59103

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

1439' FNL, 1266' FEL, Sec. 35-T6S-R21E  
(SE $\frac{1}{4}$  NE $\frac{1}{4}$ )

8. Well Name and No.  
Croquet Fed. No. 1

9. API Well No.  
43-047-31440

10. Field and Pool, or Exploratory Area  
Horseshoe Bend

11. County or Parish, State  
Uintah County, Utah

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

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

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

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

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

**RECEIVED**

FEB 25 1993

DIVISION OF  
OIL GAS & MINING

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

Signed James R. Rosten

Title Petroleum Engineer

Date Feb. 22, 1993

(This space for Federal or State office use)

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

RECEIVED

UTAH FEDERAL WELLS

FEB 25 1995

VERNAL BLM DISTRICT

DIVISION OF  
OIL GAS & MINING

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
Stirrup Fed. No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T6S-R21E
Stirrup Fed. No. 29-2	U-46699	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Stirrup Fed. No. 29-3	U-46699	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Football Fed. No. 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T6S-R21E
Croquet Fed. No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 2	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T6S-R21E
Bridle Fed. No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-T6S-R22E
Cracker Fed. No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T11S-R23E
Cracker Fed. No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-T11S-R23E
Marble Mansion Unit #1	U-54201	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-T11S-R23E
Wells Fed. A No. 1	U-54198	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-T11S-R23E
Oil Springs Unit #5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T12S-R24E
Oil Springs Unit #7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-T12S-R24E
Oil Springs Unit #10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-T12S-R24E

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394  
408 PETROLEUM BUILDING  
BILLINGS, MONTANA 59103-3394  
(406) 245-5077  
FAX 248-6321

February 22, 1993

State of Utah  
Dept. of Natural Resources  
Division of Oil, Gas, & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

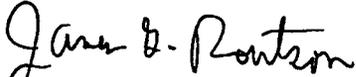
Re: Change of Operator  
Sundry Notices  
Grand and Uintah Counties, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for 53 wells located on Federal lands in Utah for which Lone Mountain Production Company is assuming operations effective February 22, 1993. Two separate lists of the wells and lease numbers, by sorted by BLM district, are attached. The wells were all previously operated by Marathon Oil Company. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company

  
James G. Routson  
President

Enclosures

xc: Joe Dyk  
Marathon

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FEB 25 1993

DIVISION OF  
OIL GAS & MINING

RECEIVED

FEB 25 1995

UTAH FEDERAL WELLS

VERNAL BLM DISTRICT

DIVISION OF  
OIL GAS & MINING

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
Stirrup Fed. No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T6S-R21E
Stirrup Fed. No. 29-2	U-46699	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Stirrup Fed. No. 29-3	U-46699	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Football Fed. No. 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T6S-R21E
Croquet Fed. No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 2	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T6S-R21E
Bridle Fed. No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-T6S-R22E
Cracker Fed. No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T11S-R23E
Cracker Fed. No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-T11S-R23E
Marble Mansion Unit #1	U-54201	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-T11S-R23E
Wells Fed. A No. 1	U-54198	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-T11S-R23E
Oil Springs Unit #5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T12S-R24E
Oil Springs Unit #7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-T12S-R24E
Oil Springs Unit #10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-T12S-R24E

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 recomplete or otherwise redevelop a well.  
Use "APPLICATION FOR PERMIT—" for such proposals

RECEIVED

SUBMIT IN TRIPLICATE

MAR 22 1993

1. Type of Well  
 Oil Well  Gas Well  Other

DIVISION OF  
OIL GAS & MINING

2. Name of Operator  
Marathon Oil Company

RECEIVED

3. Address and Telephone No.  
P.O. Box 2690, Cody, Wyoming 82414

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

FEB 25 1993

SENE 35-65-21E

5. Lease Designation and Serial No.

U-53822

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Croquet 1

9. API Well No.

See Below

10. Field and Pool, or Exploratory Area

See Below

11. County or Parish, State

See Below

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1)

VERNAL DIST.  
ENG. 5/27/92  
GEOL.  
E.S.

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.)

On 2/22/93 with an effective date of October 1, 1992, Marathon Oil Company sold all of its rights, title and interests shown on Exhibits 'A' and 'B' to:

Lone Mountain Production Company  
P.O. Box 3394, 408 Petroleum Building  
Billings, Montana 59103-3394

Marathon Oil Company has emergency NTL-2B pit permits for these wells and associated operations and by copy of this sundry notice to Lone Mountain Production Company, Marathon is advising that Lone Mountain Production Company is responsible for operating the pits in compliance with NTL-2B regulations as well as all other state and federal regulations.

BLM-orig &3--cc: WRF, RDS, CLB, RPM, KJI, TITLE AND CONTR(HOU), ACCTG., CFR,  
Lone Mtn. Prod. Co.

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

Signed *R.P. Mealy*

Title Regulatory Coordinator

Date 2/23/93

(This space for Federal or State Approval)

Approved by *Thomas C. ...*  
Conditions of approval, if any:

Title ASSISTANT DISTRICT  
MANAGER MINERALS

Date MAR 16 1993

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 statement or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATORS COPY

Marathon Oil Company  
Change of Operator

CONDITIONS OF APPROVAL

We have reviewed your proposal for technical adequacy and concur with the request providing the following stipulations are included as a part of the approval.

-----

1. This change of operator approval is for the following wells only:

<u>WELL NAME &amp; NUMBER</u>	<u>LEASE NUMBER</u>
Stirrup Fed. 28-1	U - 34711
Stirrup Fed. 29-2	U - 46699
Stirrup Fed. 29-3	U - 46699
Stirrup Fed. 29-4	U - 46699
Croquet Fed. 1	U - 53862
Croquet Fed. 3	U - 53862
Bridle Fed. 1	U - 47866
Bridle Fed. 2	U - 47866
Bridle Fed. 3	U - 47866
Bridle Fed. 4	U - 47866
Cracker Fed. 1	U - 54197
Cracker Fed. 2	U - 54197
Cracker Fed. 3	U - 54193
Cracker Fed. 4	U - 54196
Wells Fed. 1	U - 54198

2. The other wells as listed in the attachment to this sundry notice are denied. The reason for denial is because the wells are either in a Communitization Agreement (C.A.) or a Federal Unit or they are located outside of the Vernal District. Changes of operator for wells that are C.A.s or Federal Units needed to be filed with our BLM State Office in Salt Lake City, Utah. The changes for the other wells will need to be filed in the appropriate District or Resource Area Office.

**RECEIVED**

MAR 22 1993

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-53862
2. Name of Operator Lone Mountain Production Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 3394, Billings, MT 59103	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1439' FNL, 1266' FEL, Sec. 35-T6S-R21E (SE $\frac{1}{4}$ NE $\frac{1}{4}$ )	8. Well Name and No. Croquet Fed. No. 1
	9. API Well No. 43-047-31440
	10. Field and Pool, or Exploratory Area Horseshoe Bend
	11. County or Parish, State Uintah County, Utah

MAR 24 1993

DIVISION OF  
OIL GAS & MINING

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

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

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

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

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

RECEIVED  
FEB 25 1993

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

Signed James R. Rosten Title Petroleum Engineer Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by Edwin S. Johnson Title Assistant District Manager Minerals Date MAR 23 1993

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.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:	
1-LEC	7-LEC
2-DPS/TS	
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

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: 10-1-92)

TO (new operator)	<u>LONE MTN PRODUCTION CO</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>P. O. BOX 3394</u>	(address)	<u>P. O. BOX 2690</u>
	<u>BILLINGS, MT 59103-3394</u>		<u>CODY, WY 82414</u>
	<u>phone (406) 245-5077</u>		<u>phone (307) 587-4961</u>
	<u>account no. N 7210</u>		<u>account no. N 3490</u>

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

Name: <b>**SEE ATTACHED**</b>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 2-25-93)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 2-25-93)
- 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: \_\_\_\_\_.
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-24-93)
- See 6. Cardex file has been updated for each well listed above. (3-24-93)
- See 7. Well file labels have been updated for each well listed above. (3-24-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-24-93)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

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

**BOND VERIFICATION (Fee wells only)**

- 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.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 3/25/93 1993. If yes, division response was made by letter dated 3/25/93 1993.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 3/25/93 1993, 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.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

**FILMING**

All attachments to this form have been microfilmed. Date: March 29 1993.

**FILED**

- 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.

**REMARKS**

930316 Btm/Moab Approved some of the wells on 3-10-93 eff. 2-23-93. (see other change.)

930323 Btm/Vernal Approved some of the wells on 3-16-93 eff. 10-1-92. The remaining wells are unitized or under a C.A. (will be handled on separate change).

930324 Btm/Vernal Approved same wells on 3-23-93, operation of wells eff. 2-22-93.

## LONE MOUNTAIN PRODUCTION COMPANY

Mailing Address:  
P.O. Box 3394  
Billings, MT 59103-3394

(406) 245-5077  
FAX 248-6321

Shipping Address:  
100 North 27th Street  
Suite 650  
Billings, MT 59101

August 7, 1996

Lisha Cordova  
Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

VIA FAX: 1-801-359-3940

RE: RESIGNATION OF OPERATOR  
VARIOUS WELLS  
UINTAH COUNTY, UTAH

Dear Lisha:

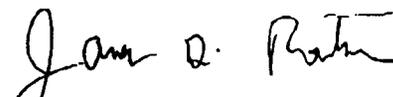
Pursuant to your telephone conversation with Carolyn George this afternoon, attached is a list of federal wells previously operated by Lone Mountain Production Company in the referenced county.

Lone Mountain has resigned as operator of the aforementioned wells and accepts the transfer of operations to Rosewood Resources, Inc., effective August 1, 1996.

Should you have any questions or need further information please contact our office at the letterhead address or phone number.

Sincerely,

LONE MOUNTAIN PRODUCTION COMPANY

  
James G. Routson  
President

Attachment

## UTAH FEDERAL WELLS

VERNAL BLM DISTRICT

<u>Well</u>	<u>Lease No.</u>	<u>Location</u>
<del>Shuffleboard Federal No. 1</del>	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 27: T6S-R21E
Stirrup Federal No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 28: T6S-R21E
Football Federal No. 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 29: T6S-R21E
Croquet Federal No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 35: T6S-R21E
<del>Croquet Federal No. 2</del>	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 35: T6S-R21E
Croquet Federal No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 35: T6S-R21E
Bridle Federal No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 34: T6S-R22E
Bridle Federal No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 34: T6S-R22E
Bridle Federal No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 34: T6S-R22E
Bridle Federal No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 34: T6S-R22E
Cracker Federal No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 8: T11S-R23E
Cracker Federal No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 8: T11S-R23E
Cracker Federal No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 5: T11S-R23E
Cracker Federal No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 7: T11S-R23E
<del>Marble Mansion Unit No. 1</del>	U-54201	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 18: T11S-R23E
Oil Springs Unit No. 5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 5: T12S-R24E
Oil Springs Unit No. 7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 4: T12S-R24E
Oil Springs Unit No. 10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5: T12S-R24E

**UTAH FEDERAL WELLS***(Rosewood Resources, Inc. assumes operations effective August 1, 1996)***BLM VERNAL DISTRICT**

<b>No.</b>	<b>WELL NAME</b>	<b>LEASE NO.</b>	<b>LOCATION in Uintah County</b>
1)	Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
2)	Situp Fed. No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T6S-R21E
3)	Football Fed No 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T6S-R21E
4)	Croquet Fed. No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-T6S-R21E
5)	Croquet Fed. No. 2	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-T6S-R21E
6)	Croquet Fed. No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T6S-R21E
7)	Bridle Fed. No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-T6S-R22E
8)	Bridle Fed. No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T6S-R22E
9)	Bridle Fed. No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T6S-R22E
10)	Bridle Fed. No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-T6S-R22E
11)	Cracker Fed. No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 08-T11S-R23E
12)	Cracker Fed. No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 08-T11S-R23E
13)	Cracker Fed No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 05-T11S-R23E
14)	Cracker Fed. No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 07-T11S-R23E
15)	Marble Mansion Unit #1	U-08424-A	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-T11S-R23E
16)	Oil Springs Unit #5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 05-T12S-R24E
17)	Oil Springs Unit #7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 04-T12S-R24E
18)	Oil Springs Unit #10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 05-T12S-R24E



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

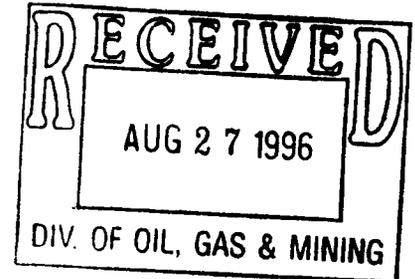
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

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

IN REPLY REFER TO:  
3162.3  
UT08300

August 26, 1996

Rosewood Resources, Inc.  
Attn: Janet Hambright  
100 Crescent Sourt, Suite 500  
Dallas, TX 75201



Re: Well No. Croquet Federal 1  
SENE, Sec. 35, T6S, R21E  
Lease U-53862  
Uintah County, Utah

Dear Ms. Hambright:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Rosewood Resources, Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MT0627, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager  
Minerals Resources

cc: Lone Mountain Production Company

~~Division of Oil, Gas & Mining~~

Best Exploration Inc.  
DJ Investment Co.  
Marceil Fees Trust  
J&K Properties Inc.  
T-K Production Co.

Don F. Bradshaw Trust  
W S Fees Jr Trust  
Harold B. Holden  
Morgan Marathon Ltd.  
John W. Warner

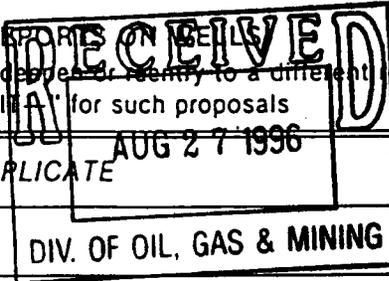
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 identify to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE



5. Lease Designation and Serial No  
U-53862

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Croquet Fed. No. 1

9. API Well No.  
43-047-31440

10. Field and Pool, or Exploratory Area  
Horseshoe Bend

11. County or Parish, State  
Uintah County, Utah

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Rosewood Resources, Inc.

3. Address and Telephone No.  
100 Crescent Court, Suite 500, Dallas, TX 75201 (214) 871-5700

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1439' FNL, 1266' FEL, Section 35: T6S-R21E  
(SE 1/4 NE 1/4)

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

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

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

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

Rosewood Resources, Inc. has assumed operation of the above referenced well effective August 1, 1996. The former operator was Lone Mountain Production Company.

Bond Coverage is provided by Rosewood's Nationwide Oil & Gas Bond No. MT0627.

VERNAL DIST.  
ENG. *[Signature]*  
GEOL. \_\_\_\_\_  
E.S. \_\_\_\_\_  
PET. \_\_\_\_\_  
A.M. \_\_\_\_\_

RECEIVED  
AUG 01 1996

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

Signed *[Signature]* Title Production Engineer Date August 1, 1996

(This space for Federal or State office use)

Approved by *[Signature]* Title Assistant Field Manager  
Mineral Resources Date AUG 26 1996

Conditions of approval, if any:

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

SUSAN GUFFEY  
 LONE MTN PRODUCTION CO  
 PO BOX 3394  
 BILLINGS MT 59103-3394

UTAH ACCOUNT NUMBER: N7210

REPORT PERIOD (MONTH/YEAR): 6 / 96

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
BAR X UNIT #12								
4301930597	08187	17S 26E 8	MRSN					
STATE 54 GRAND #1								
4301915910	08344	16S 26E 32	DKTA					
TOC TXO POGO USA 15-9								
4301930779	09155	17S 24E 15	DKTA					
FEDERAL #1								
4301915699	09221	18S 23E 3	DKTA					
EVACUATION CREEK STATE 23-2-1								
4304715675	09605	12S 25E 2	DKTA					
CROQUET FEDERAL #1								
4731440	09635	06S 21E 35	UNTA			u38404		
CROQUET FEDERAL #2								
4304731672	09636	06S 21E 35	UNTA	u59862		C.A. uT080P49 - 86C696		
SHUFFLEBOARD FEDERAL #1								
4304731668	09842	06S 21E 27	UNTA	u31255		C.A. uT080P49 - 86C692		
STIRRUP STATE #32-4								
4304731648	10183	06S 21E 32	UNTA					
CRACKER FEDERAL #3								
4304731689	10581	11S 23E 5	WSTC			u54193		
EVACUATION CREEK STATE "A" #1								
4304731674	10661	12S 25E 2	DKTA					
CRACKER FEDERAL #4								
4304731748	10669	11S 23E 7	WSTC			u54196		
HANCOCK FEDERAL #15-3								
4301931235	10681	17S 25E 15	DKTA					
Federal 17-6								
4304732752	99999	11S 23E 17	DRL	u54200	<b>TOTALS</b>	Marble Mansion II Unit		

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

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

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

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

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

# OPERATOR CHANGE WORKSHEET

Routing:	
1-IEC ✓	6-IEC ✓
2-GLH ✓	7-KDR ✓
3-DTS ✓	8-SJ ✓
4-VLD ✓	9-FILE ✓
5-RJF ✓	

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: 8-1-96

TO: (new operator) ROSEWOOD RESOURCES INC  
 (address) 100 CRESCENT COURT #500  
DALLAS TX 75201  
 Phone: (214)871-5718  
 Account no. N7510

FROM: (old operator) LONE MTN PRODUCTION CO  
 (address) PO BOX 3394  
BILLINGS MT 59103-3394  
 Phone: (406)245-5077  
 Account no. N7210

WELL(S) attach additional page if needed:

Name: <u>**SEE ATTACHED**</u>	API: <u>43-047-31440</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- Yes 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 8-7-96)*
- Yes 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 8-7-96)*
- 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: \_\_\_\_\_
- Yes 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.
- Yes 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(8-29-96)*
- Yes 6. Cardex file has been updated for each well listed above.
- Yes 7. Well file labels have been updated for each well listed above.
- Yes 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.
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

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

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

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

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A 1. Copies of documents have been sent on \_\_\_\_\_ to \_\_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

**FILMING**

- VDR 1. All attachments to this form have been microfilmed. Today's date: 9/18/96.

**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**

960829 Btm/Vernal Aprv. 8-26-96