

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 12, 1985

RECEIVED
JUN 17 1985
DIVISION OF OIL
GAS & MINING

Utah Division of Oil, Gas and Mining
Department of Natural Resources
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Arlene Sollis

Re: Oil Springs Unit #10
Section 5-T12S-R24E
Uintah County, Utah

Gentlemen:

Enclosed please find three copies of the Application for Permit to Drill for the above referenced well. Also enclosed is a copy of the Drilling Plan and Surface Use Program submitted to the Bureau of Land Management.

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

Very truly yours,

TXO PRODUCTION CORP.

Terry Blankenship

Terry L. Blankenship
Environmental Scientist

TLB/gbp

Enclosures

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK
DRILL **DEEPEN** **PLUG BACK**

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

2. NAME OF OPERATOR
 TXO Production Corp. Attention: Terry Blankenship

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
 569' FNL, 1228' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 25 miles south of Bonanza, Utah.

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 569'

16. NO. OF ACRES IN LEASE
 1280

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.
 3432'

19. PROPOSED DEPTH
 4000'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5827' GR

22. APPROX. DATE WORK WILL START*
 7/18/85

5. LEASE DESIGNATION AND SERIAL NO.
 U-08424A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 - - -

7. UNIT AGREEMENT NAME
 Oil Springs Unit

8. FARM OR LEASE NAME
 - - -

9. WELL NO.
 #10

10. FIELD AND POOL, OR WILDCAT
 Oil Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 5-T12S-R24E

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

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	350'	230 sacks
7 7/8"	4 1/2"	10.5	4000'	250 sacks

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
 DATE: 7/18/85
 BY: John R. Bay
 WELL SPACING: Unit Well - A3

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 R.E. Dashner TITLE Drilling & Production Mgr. DATE June 12, 1985
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

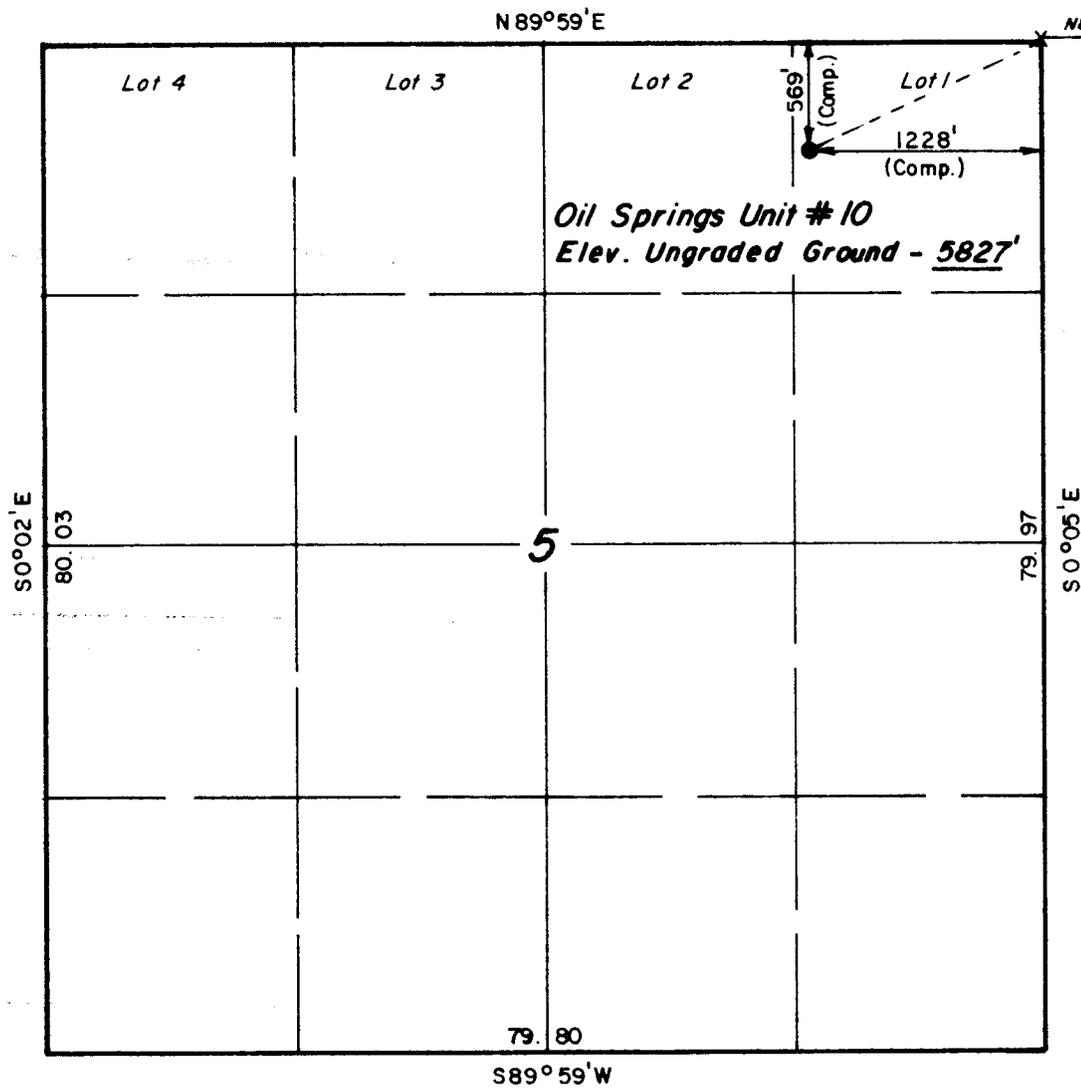
*See Instructions On Reverse Side

T 12 S , R 24 E , S.L.B. & M.

PROJECT

TXO PRODUCTION CORP.

Well location, OIL SPRINGS UNIT # 10, located as shown in the NE 1/4 NE 1/4 Section 5, T12S, R24E, S.L.B. & M. Uintah County, Utah.



N 1/4 Cor. Sec. 4, T12S, R24E

NOTE: Location to NE Cor. Sec. 5 bears N 65° 06' 00" E - 1352.46'



CERTIFICATE

I HEREBY 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.

Lane Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	6/7/85
PARTY	JK PK DS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	TXO

X = Section Corners Located

DRILLING PLAN

DATE: June 12, 1985

WELL NAME: Oil Springs Unit #10

SURFACE LOCATION: 569' FNL, 1228' FEL Sec. 5-T12S-R24E
Uintah County, Utah

FEDERAL OIL & GAS LEASE NO.: U-08424A

TXO Production Corp. is covered by Nationwide Bond No. 679 F 434 A.

I. DRILLING PROGRAM

1. SURFACE FORMATION: Uinta

2. ESTIMATED FORMATION TOPS:

Green River	370'
Wasatch	2200'
Mesaverde	3500'
Total Depth	4000'

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

Expected Gas Zones:	Green River	370'
	Wasatch	2200'
	Mesaverde	3500'

Water may be encountered in the Green River, Wasatch, and Mesaverde.

4. 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., which is greater than the anticipated bottomhole pressure of 1500 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. 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 proper operation daily and during trips.

5. CASING PROGRAM: AS PER FORM 3160-3.
6. CEMENTING PROGRAM:
 - A. Cement will be circulated to the surface when cementing surface casing. The estimated maximum cement volume required is annular volume plus 100% excess.
 - B. All hydrocarbon zones potentially capable of economic production will be cemented off.
7. MUD PROGRAM:
 - A. 0-350' Native mud
350'-4000' LSND mud at 8.8-9.2 lbs./gallon with viscosity of 35-45, WL < 10cc.
 - B. Mud flow will be monitored via pit level indicator.
8. CORING, LOGGING, TESTING PROGRAM:
 - A. No coring is anticipated.
 - B. Logging program will consist of: GR-SP-DIL from TD to surface pipe. GR-CNL-FDC from TD to 2000' above TD.
 - C. Testing of all significant shows is anticipated.
9. ABNORMAL CONDITIONS:
 - A. No abnormal pressures or temperatures are expected.
 - B. No hazardous gases such as H₂S are expected.
10. 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.
11. ANTICIPATED STARTING DATES:

Start location construction	July 15, 1985
Spud date	July 18, 1985
Complete drilling	July 26, 1985
Completed	August 10, 1985

12. COMPLETION:

A completion rig will replace the drill rig for this phase of the proposed program should the well prove to have commercial potential. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing, and any produced water will be contained in the drilling reserve pit. The extent of treatment of a zone, such as acidizing and/or fracing can only be determined after the zone has been tested. A full completion program will be furnished, if required, after drilling and logging.

II. SURFACE USE PROGRAM

1. EXISTING ROADS

- A. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Bonanza, Utah, proceed approximately 5 miles south on the White River Shale Oil Company high standard paved road (Highway 45). After crossing the White River but before passing the White River Oil entrance sign, turn left onto a dirt road marked by a BLM road sign (Baxter Pass). Proceed 3.7 miles to a fork. Turn right and proceed 8.7 miles southwest towards Rainbow, Utah. Take the right fork (towards Kings Well) and proceed 6.5 miles on main road to the beginning of the access road.
- B. Access route to location color coded in red and labeled. Refer to Exhibit 2.
- C. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 3.
- D. Plans for improvement and maintenance of existing roads: The existing roads should not require any upgrading. During wet periods some maintenance may be necessary to allow passage by drilling rigs and well servicing vehicles. Dry periods may necessitate watering portions of the road to control dust.

2. PLANNED ACCESS ROAD

The access road will be approximately 2500 feet long (Exhibit 4). The road will be 18-20 feet wide and the initial 500 feet will have a grade of 6-8%. The remainder of the road will have grades ranging from 2-6%. The road will require cuts of 5 to 10 feet and be constructed with bar ditches to allow for appropriate drainage. No culverts, gates, or cattleguards are anticipated.

3. LOCATION OF EXISTING WELLS

Exhibit 5 is a one-mile radius locating and identifying the following:

- A. Water Wells-Kings Well (Abandoned)
- B. Injection Wells-None
- C. Abandoned Wells-Oil Springs Unit #6 Sec. 33-T11S-R24E
Oil Springs Unit #3 Sec. 4-T12S-R24E
- D. Disposal Wells-None
- E. Producing Wells-Oil Springs Unit #5 Sec. 5-T12S-R24E
- F. Drilling Wells-None
- G. Shut-in Wells-Oil Springs Unit #7 Sec. 4-T12S-R24E
- H. Injection Wells-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Proposed on-well-pad production facilities, if well is successfully completed for production.

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 production pit, a production unit, a meter run, and if necessary, a dehydrator. It is anticipated that the meter and dehydrator will be owned, installed, and maintained by the gas purchaser. The proposed location of these facilities is shown on Exhibit 6. The pit will be located in cut, will contain all water production and be built in accordance with NTL-2B IV.4. specifications for disposal of less than five barrels of produced water per day. In the event the volume of produced water exceeds 5 BWPD, TXO will investigate alternate disposal methods and obtain approval as required by NTL-2B. 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 and blowdown pit will be fenced with barbed wire to protect livestock and wildlife.

B. Off-well-pad production facilities.

No off-well-pad facilities, other than a gas pipeline, are anticipated.

5. LOCATION AND TYPE OF WATER SUPPLY

A. Location and type of water supply: TXO Production is considering the following water sources:

1. Evacuation Creek, NW/4 NE/4 Section 7-T11S-R25E.
2. Bitter Creek, SE/4 SE/4 Section 26-T11S-R22E.

The source chosen may depend on time of year and water availability.

B. Method of transporting water: The water will be hauled in trucks by a certified water hauler.

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: TXO anticipates that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled on the north side of the pad for later use during rehabilitation on the disturbed areas. Excess excavated material from cuts will be stockpiled on the east side of the pad. Refer to Exhibit 7.
- B. Identify if from Federal or Indian Land: The affected land is Federal and under the jurisdiction of the Bureau of Land Management.

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.
- C. Produced fracturing fluids will be directed to the reserve pit for evaporation.
- D. Sewage: 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 flare pit (if necessary) will be fenced and flagged to protect animals. The drilling reserve pit will be fenced on three sides during drilling, and on the fourth side prior to the rig moving off location. If any oil is in the reserve pit, it will be removed and overhead flagging will be installed.
- 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 being allowed to dry out 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. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 4 to 6 inch layer of bentonite or a plastic liner will be placed in the pit to prevent excessive seepage and possible groundwater contamination.

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 by evaporation and then will be backfilled. Cuttings, drilling muds, and other spent materials directed to the reserve pit pursuant to Item 7 above will be buried in the pit when it is backfilled. Disturbed areas of the pad not needed for production facilities will be graded to an appearance consistent with the natural contours, 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.
- B. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately October, 1985 and will be completed within about one year. It is anticipated that seeding of the recontoured pad would be performed in the Fall following pit backfill and recontouring operations.

11. SURFACE OWNERSHIP

The well pad is located in Uintah County, Utah on federally owned lands. The affected lands are administered by the Bureau of Land Management.

12. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located on flat sloping ground. The soil in the area consists of a sandy loam. Vegetation is comprised of juniper, big sagebrush, four-winged salt brush, and native grasses. Animals inhabiting the area include deer, small mammals, and birds.
- B. Other surface-use activities include: oil and gas production and livestock grazing.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: There are no live streams in the area. There are no occupied dwellings in the area. A cultural resource survey will be completed and the results forwarded to the proper Resource Area Office of the BLM.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVES AND CERTIFICATION

- A. 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 & Production 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:

Terry L. Blankenship
Environmental Scientist
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 420-3028 - Residence

- B. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; 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 and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

DATE: June 12, 1985

NAME AND TITLE:



Ronald E. Dashner
District Drilling and Production Manager

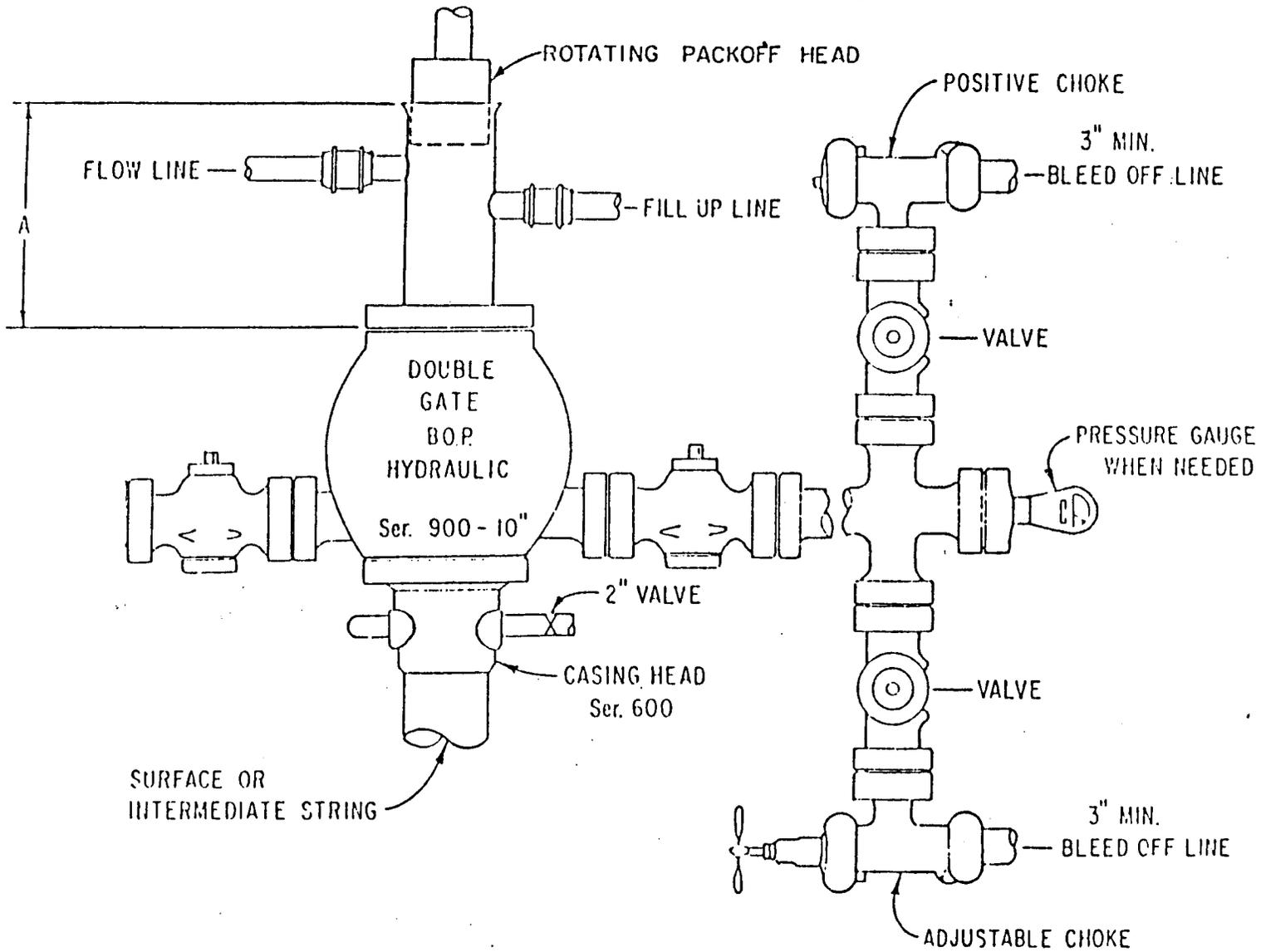
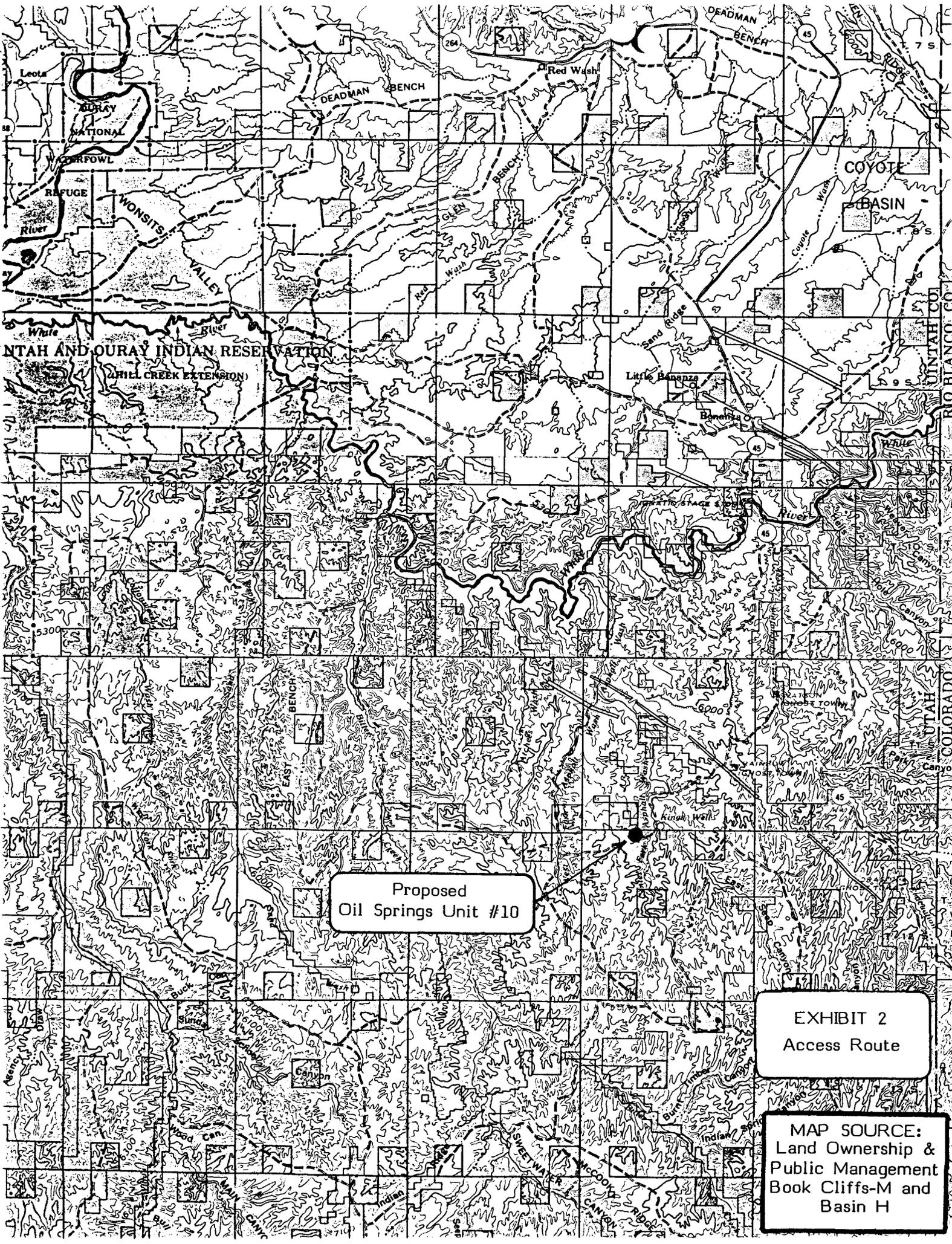


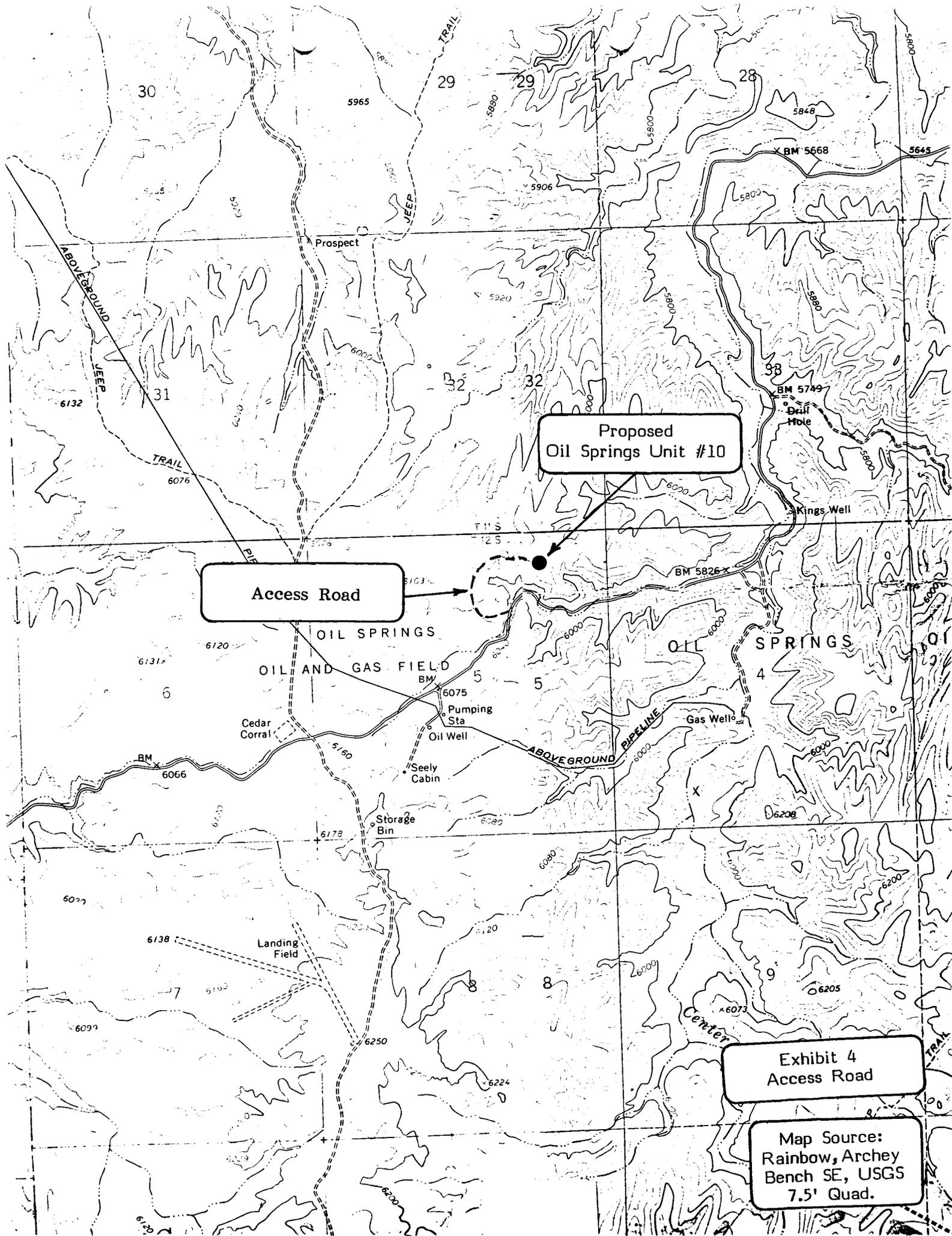
EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM



Proposed
Oil Springs Unit #10

EXHIBIT 2
Access Route

MAP SOURCE:
Land Ownership &
Public Management
Book Cliffs-M and
Basin H

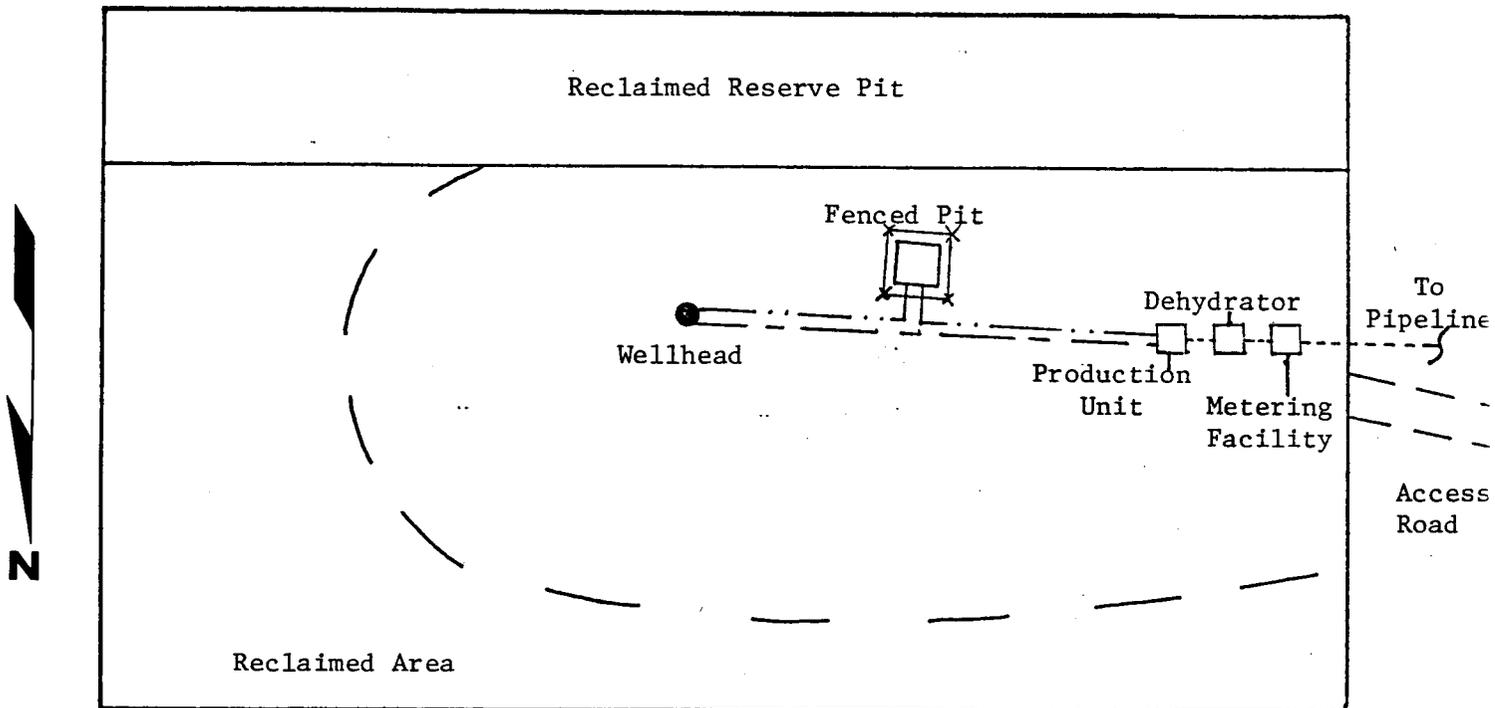


Proposed
Oil Springs Unit #10

Access Road

Exhibit 4
Access Road

Map Source:
Rainbow, Archey
Bench SE, USGS
7.5' Quad.



Scale: 1"=50'

- 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.

EXHIBIT 6

TXO PRODUCTION CORP.

Oil Springs Unit #10
Production Facilities

TXO PRODUCTION CORP.

OIL SPRINGS UNIT # 10

SEC. 5, T12S, R24E, S.L.B. & M.

SCALE: 1" = 50'
DATE: 6/8/85

C-8.1 TO BOTTOM OF PIT.
SB18.89'

C-16.6 TO BOTTOM OF PIT.
SB27.39'

C-8.9 TO BOTTOM OF PIT.
SB19.69'

SB14.79'
F-8.7

PITS
SB29.17'
C-S.7

SB19.19'
F-4.3

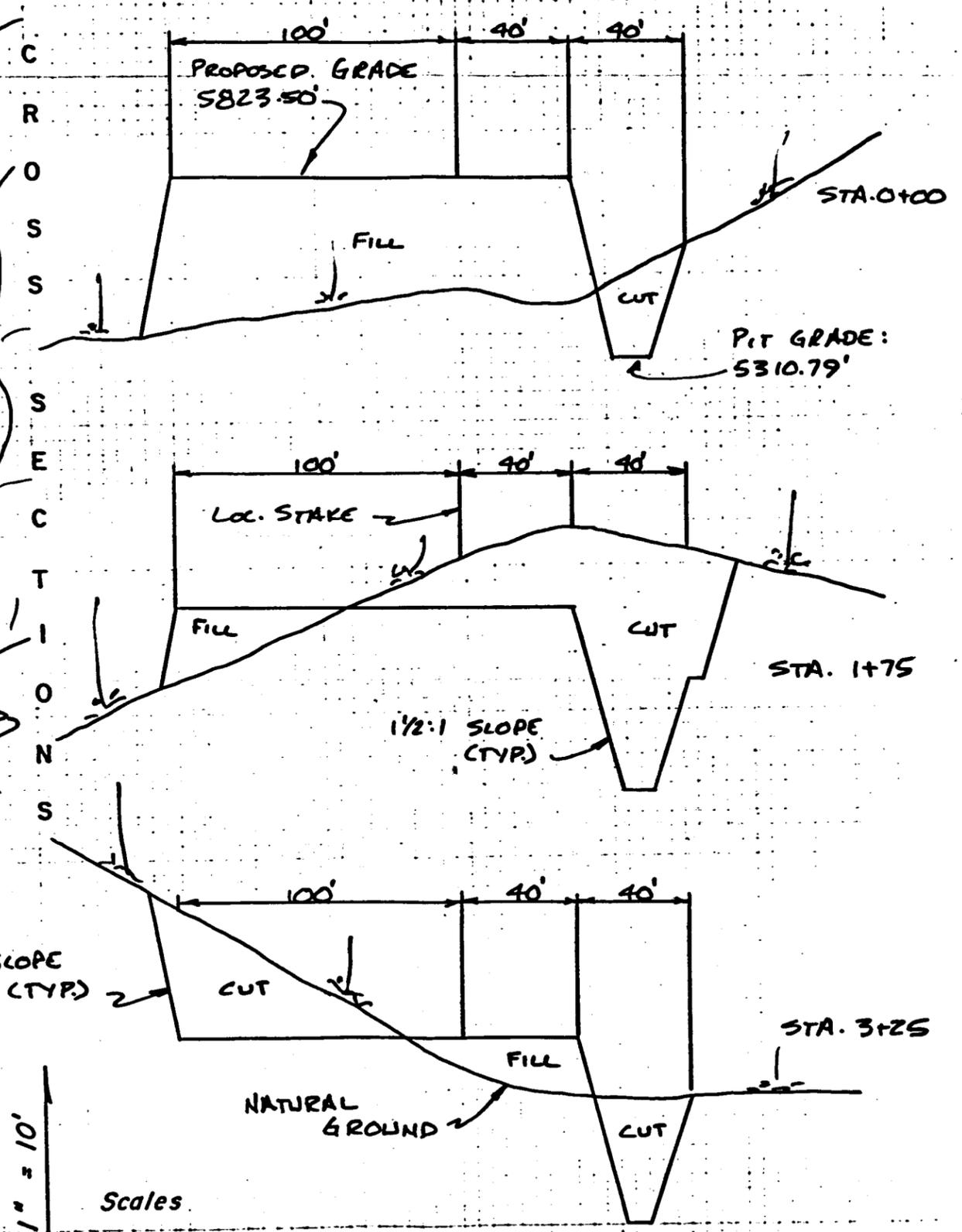
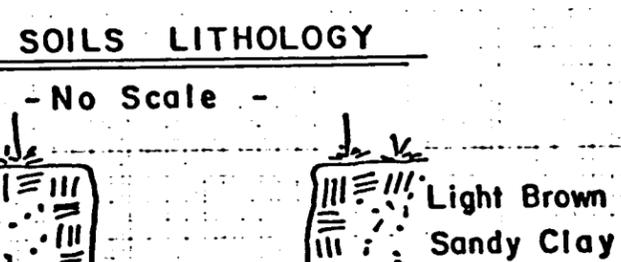
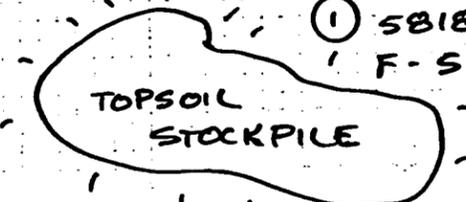
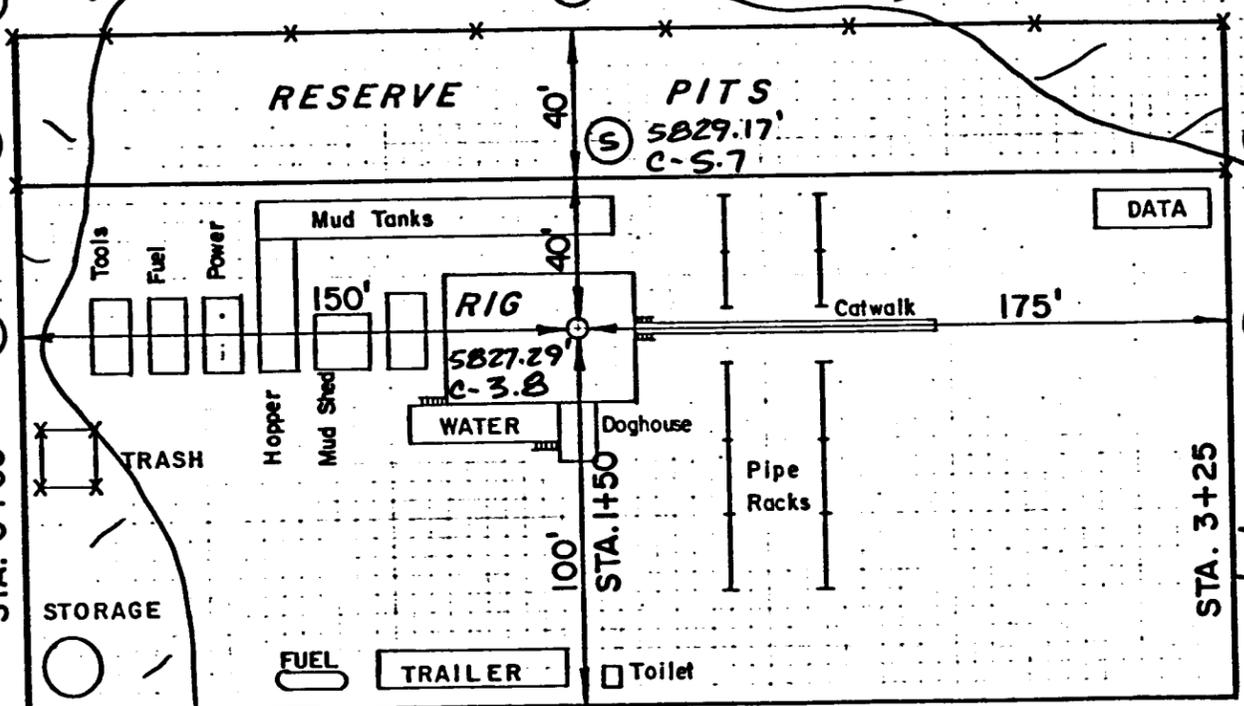
SB15.69'
F-7.8

SB21.09'
F-2.4

SB32.45'
C-9.0

SB12.99'
F-10.5

SB18.14'
F-S.4



APPROXIMATE YARDAGES

Cu. Yds. Cut - 7830
Cu. Yds. Fill - 6550

OPERATOR TXO Production Corp DATE 6-25-85
WELL NAME Oil Springs Unit # 10
SEC NE 1/4 5 (Pt 1) T 125 R 24E COUNTY Uintah
Irregular Sec

43-047-31656
API NUMBER

Sub
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:
Unit Well - approved 9/25/85
Need water permit

APPROVAL LETTER:

- SPACING: A-3 Oil Springs UNIT c-3-a _____ CAUSE NO. & DATE
 c-3-b c-3-c

STIPULATIONS:
1. Water

July 12, 1985

RECEIVED

TEMPORARY

TXO Production Corp.
1800 Lincoln Ctr. Bldg.,
Devner, CO 80264

JUL 15 1985

DIVISION OF OIL
GAS & MINING

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 49-1368 (T60976)

Enclosed is a copy of approved Temporary Application Number 49-1368 (T60976). 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 July 12, 1986, 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,

Robert L. Morgan, P.E.
State Engineer

RLM:slm

Encl.: Copy of approved Temporary Application

TEMPORARY

APPLICATION TO APPROPRIATE WATER
STATE OF UTAH

Application No. T60976

031029 / 49-1368

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. Attn: K.P. Bow

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

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

5. The water is to be used for drilling purposes from June 15, 1985 to December 31, 1985
(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* Division Creek
GAS & MINING (Name of stream or other source)

which is tributary to White River, tributary to Green River

*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 Utah County, situated at a point*
S 1100' and W 1300' from the NE corner Sec. 7-T11S-R25E S.L.B. & M.

*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 _____ (if necessary) a deep spot in the stream
bed to collect water, a portable pump and water trucks.

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
#10 43-047-31656 S6W

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 of oil/
gas wells, the Oil Springs Unit #9 and #10 and Cracker Fed. #1 43-047-31537

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in para-
graphs 14 to 19, incl. SW/NE Sec. 4-T12S-R24E, NE/NE Sec. 5-T12S-R24E, SE/NE Sec. 8-T11S-R23E

21. The use of water as set forth in this application will consume 4 _____ 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: _____

FEES 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.

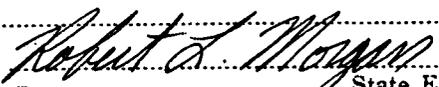
(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. 6-17-85 Application received by mail ~~over counter~~ in State Engineer's office by S. M.
2. Priority of Application brought down to, on account of
3. 7-2-85 Application fee, \$ 15.00, received by J. J. Rec. No. 184.24
4. Application microfilmed by Roll No.
5. Indexed by Platted by
6. 6/17/85 Application examined by GBW
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. 6/17/85 Application designated for ~~rejection~~ approval GBW SG
18. 7/12/85 Application copied or photostated by slm proofread by
19. 7/12/85 Application ~~rejected~~ approved
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 July 12, 1986.**


 Robert L. Morgan, 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.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 18, 1985

TXO Production Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

Attention: Terry Blankenship

Gentlemen:

Re: Well No. Oil Springs Unit 10 - NE NE (Lot 1) Sec. 5, T. 12S, R. 24E
569' FNL, 1228' FEL - Uintah County, Utah

Approval to drill the above-referenced gas well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

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:

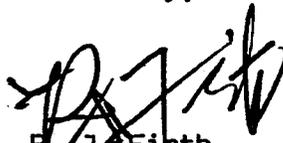
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
TXO Production Corporation
Well No. Oil Springs Unit 10
July 18, 1985

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31656.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO PRODUCTION CORPORATION

WELL NAME: OIL SPRINGS UNIT # 10

SECTION 5 TOWNSHIP 12S RANGE 24E COUNTY UINTAH

DRILLING CONTRACTOR OLSON

RIG # 5

SPUDED: DATE 8-17-85

TIME 7:00 pm

How ROTARY

DRILLING WILL COMMENCE 8-21-85

REPORTED BY MATT HOLDAMAN

TELEPHONE # 303-861-4246

DATE 8-20-85 SIGNED SB

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

August 21, 1985

RECEIVED

AUG 23 1985

STATE OF UTAH
Division of Oil, Gas, & Mining
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF OIL
GAS & MINING

RE: Oil Springs Unit #10
Sec. 5-T12S-R24E
Uintah County, Utah

Gentlemen:

Please be advised that TXO Production Corp. would appreciate having the above referenced well considered a tight hole effectively immediately.

Also, enclosed please find Form #9-331 (Sundry Notices and Reports on Wells), in triplicate notifying you of the spudding of the above referenced well.

If you require anything further, please contact me at the above number.

Sincerely,

TXO PRODUCTION CORP.



Matthew C. Holdeman
Petroleum Engineer

MCH/jy

Enclosures/as stated



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 a well in a different reservoir. Use Form 9-331-C for such proposals.)

RECEIVED

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: 569' FNL & 1228' FEL.
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

AUG 23 1985

DIVISION OF OIL
GAS & MINING

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) SPUD	<input type="checkbox"/>		<input checked="" type="checkbox"/>

5. LEASE
U-08424A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
Oil Springs Unit

8. FARM OR LEASE NAME
-

9. WELL NO.
#10

10. FIELD OR WILDCAT NAME
Oil Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5-T12S-R24E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-31656

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5827' GL 5839' KB

(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.)*

TXO Production Corp. spudded the Oil Springs Unit #10 at 7:00 PM on 8/17/85. Spud was made by Ram Drilling Company who drilled to 335' and set 8-5/8" surface casing to 335'. The primary contractor is Olsen Drilling Rig #5 which moved in and commenced drilling @ 2:30 PM 8/20/85. Spud was reported verbally to Berna in the Vernal BLM office at 8:40 AM 8/20/85 and to Cindy at the Utah Division of Oil, Gas, and Mining at 8:50 AM 8/20/85.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Matthew C. Holden TITLE Petroleum Engineer DATE August 21, 1985
Matthew C. Holden

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

22
21

OIL SPRINGS
LEASE NAME
WELL NO. 10
TEST NO. 1
TESTED INTERVAL 3702.0 - 3717.0
LEASE OWNER/COMPANY NAME T.X.O. PRODUCTION CORPORATION

LEGAL LOCATION
SEC. - TWP. - RANG. 5-12S-24E
FIELD AREA ROCKHOUSE
COUNTY UINTAH
STATE UTAH OR

RECEIVED

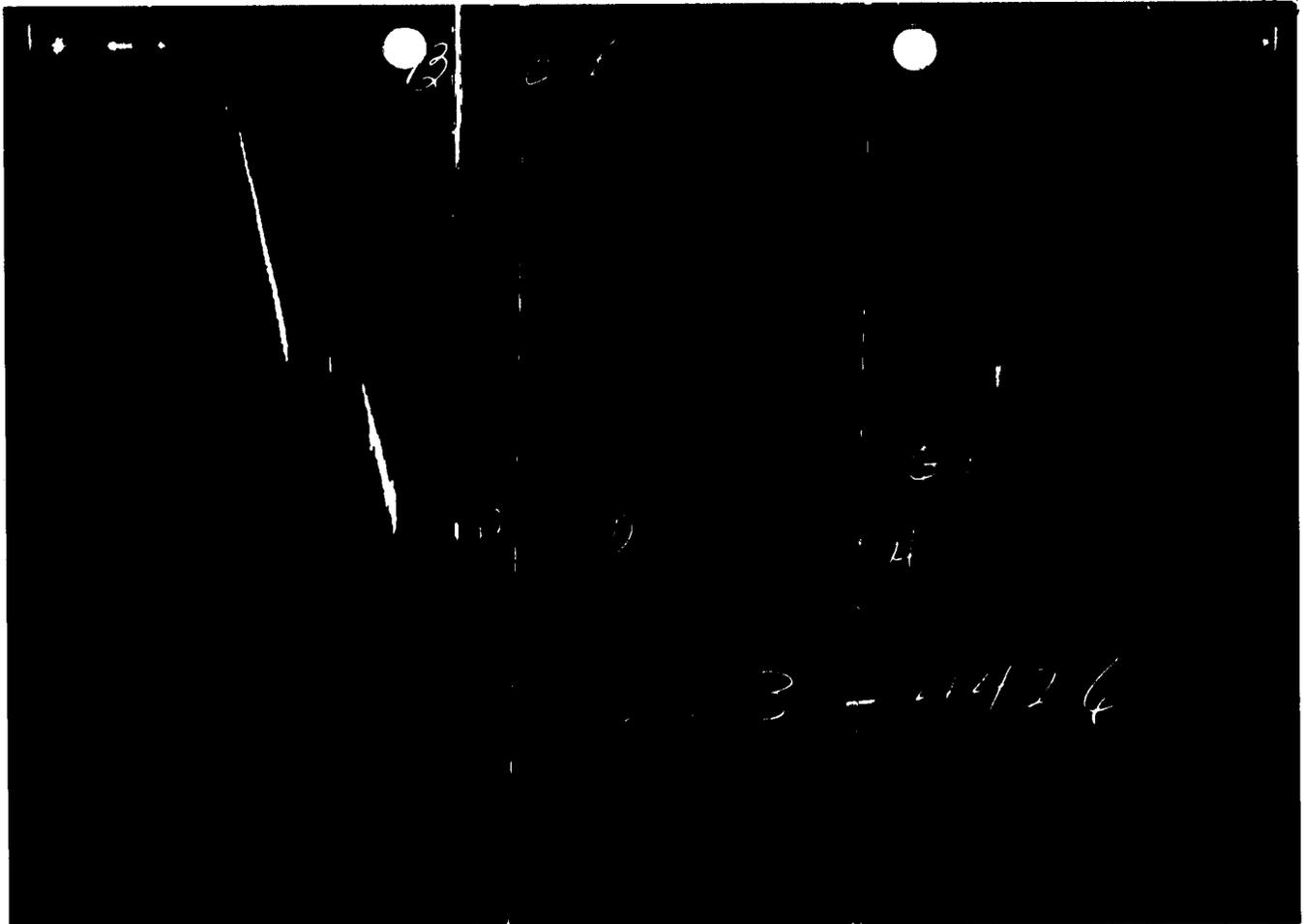
SEP 09 1985

DIVISION OF OIL
GAS & MINING



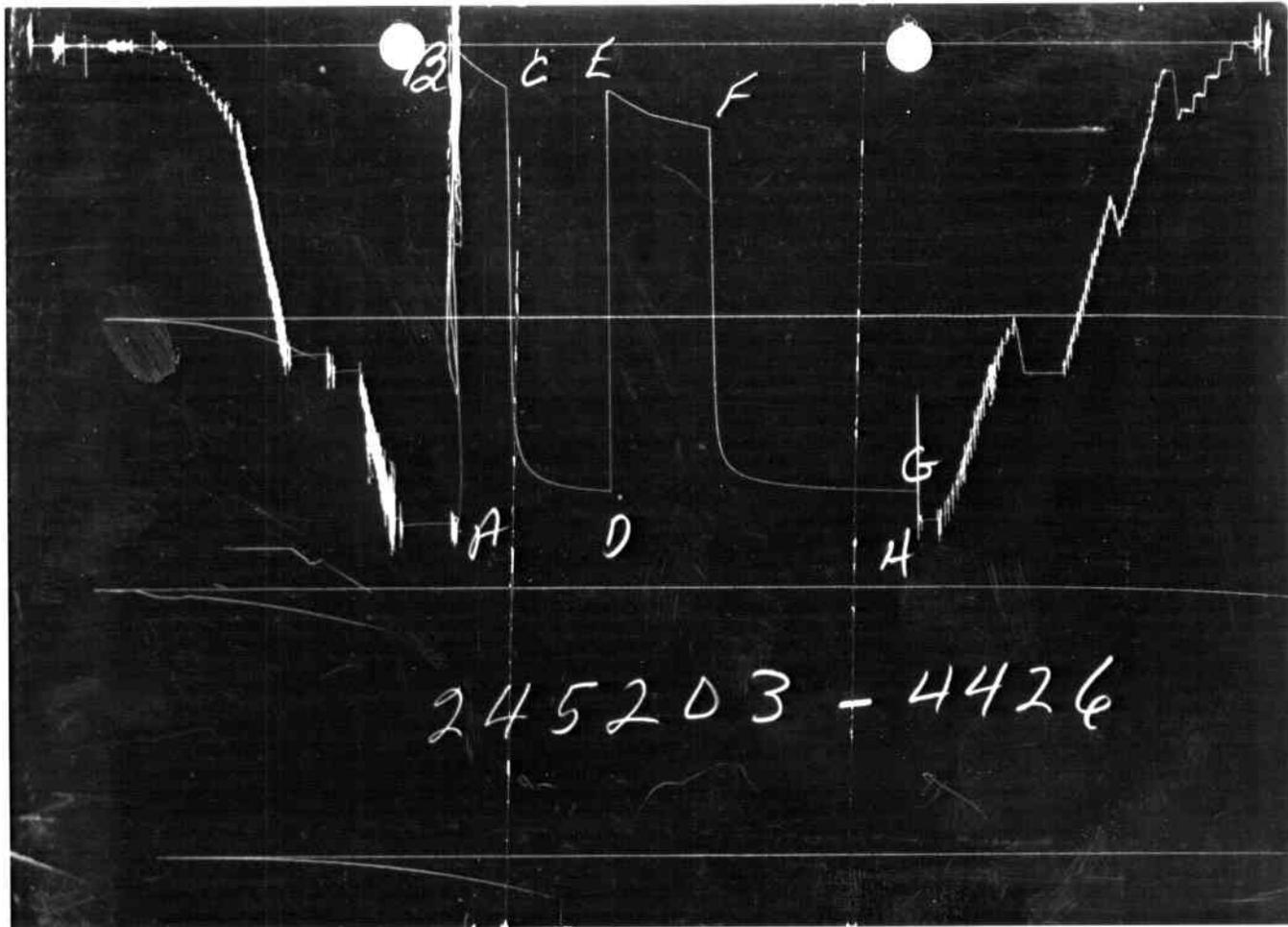
TICKET NO. 24520300
30-AUG-85
VERNAL

FORMATION TESTING SERVICE REPORT



GAUGE NO: 4426 DEPTH: 3681.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1753	1762.2			
B	INITIAL FIRST FLOW	19	7.2			
C	FINAL FIRST FLOW	160	155.8	30.0	30.5	F
C	INITIAL FIRST CLOSED-IN	160	155.8			
D	FINAL FIRST CLOSED-IN	1641	1645.9	60.0	58.4	C
E	INITIAL SECOND FLOW	169	173.1			
F	FINAL SECOND FLOW	310	311.4	60.0	61.0	F
F	INITIAL SECOND CLOSED-IN	310	311.4			
G	FINAL SECOND CLOSED-IN	1651	1650.1	120.0	120.1	C
H	FINAL HYDROSTATIC	1753	1757.0			
I	HYDROSTATIC BUILDUP					



GAUGE NO: 4426 DEPTH: 3661.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE	TIME	TYPE

B C E

A

D

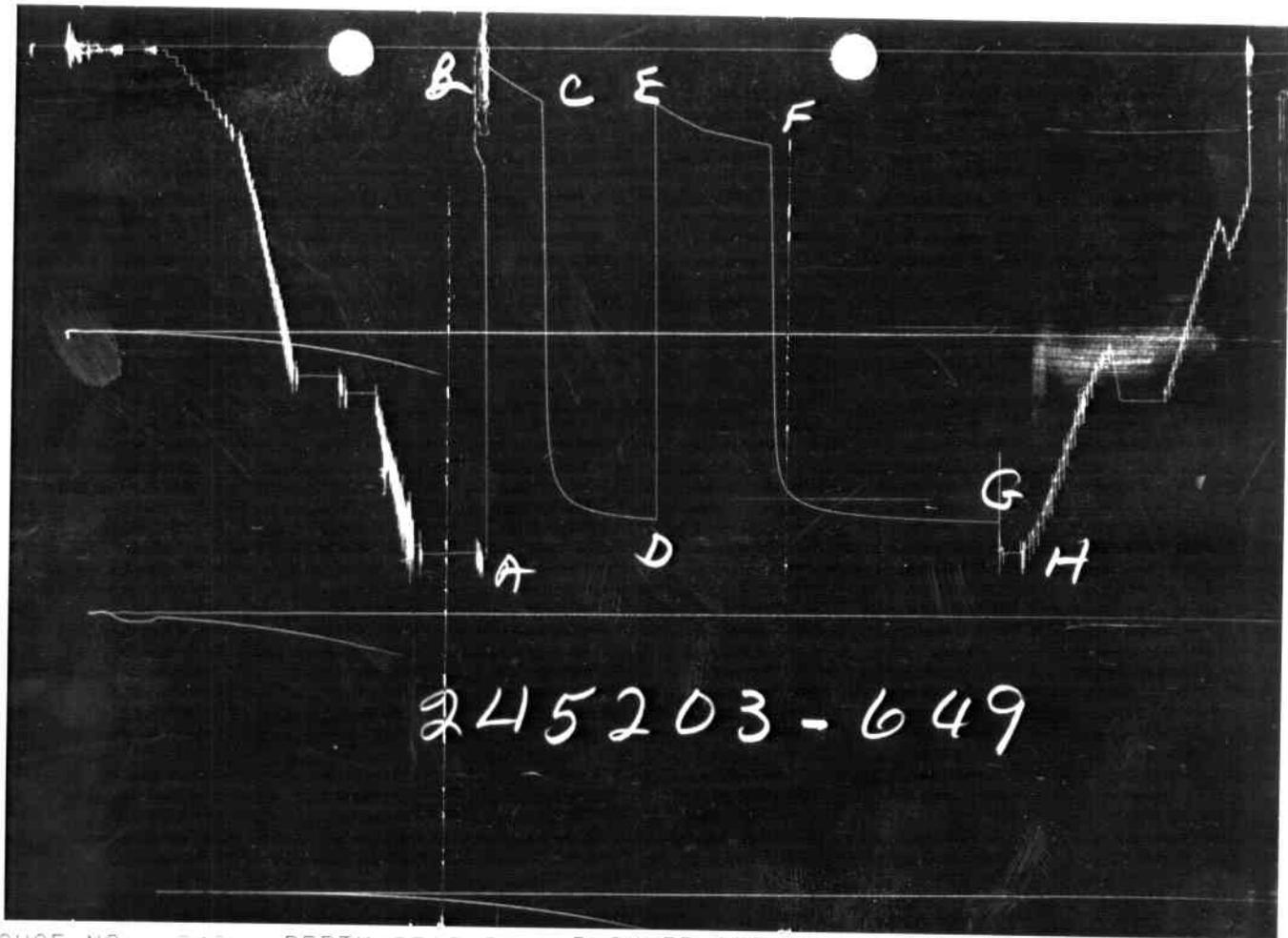
G

H

2415263-649

GAUGE NO: 649 DEPTH: 3713.0 BLANKED OFF: YES HOUR OF CLOCK: 12

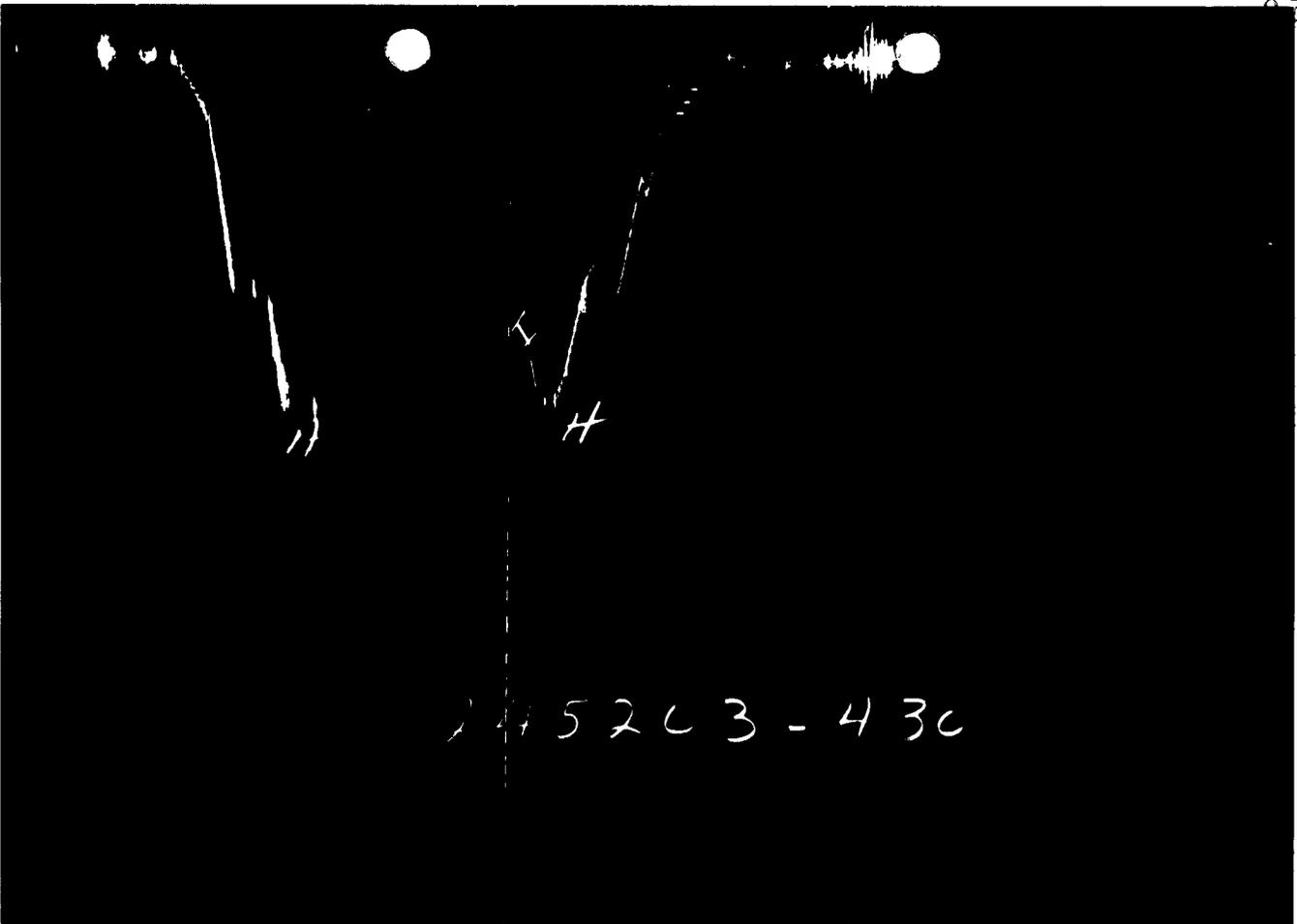
ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1774	1782.2			
B	INITIAL FIRST FLOW	36	54.5			
C	FINAL FIRST FLOW	178	185.4	30.0	30.5	F
C	INITIAL FIRST CLOSED-IN	178	185.4			
D	FINAL FIRST CLOSED-IN	1658	1660.2	60.0	58.4	C
E	INITIAL SECOND FLOW	187	196.6			
F	FINAL SECOND FLOW	338	334.3	60.0	61.0	F
F	INITIAL SECOND CLOSED-IN	338	334.3			
G	FINAL SECOND CLOSED-IN	1667	1663.6	120.0	120.1	C
H	FINAL HYDROSTATIC	1774	1771.9			
I	HYDROSTATIC BUILDUP					



245203-649

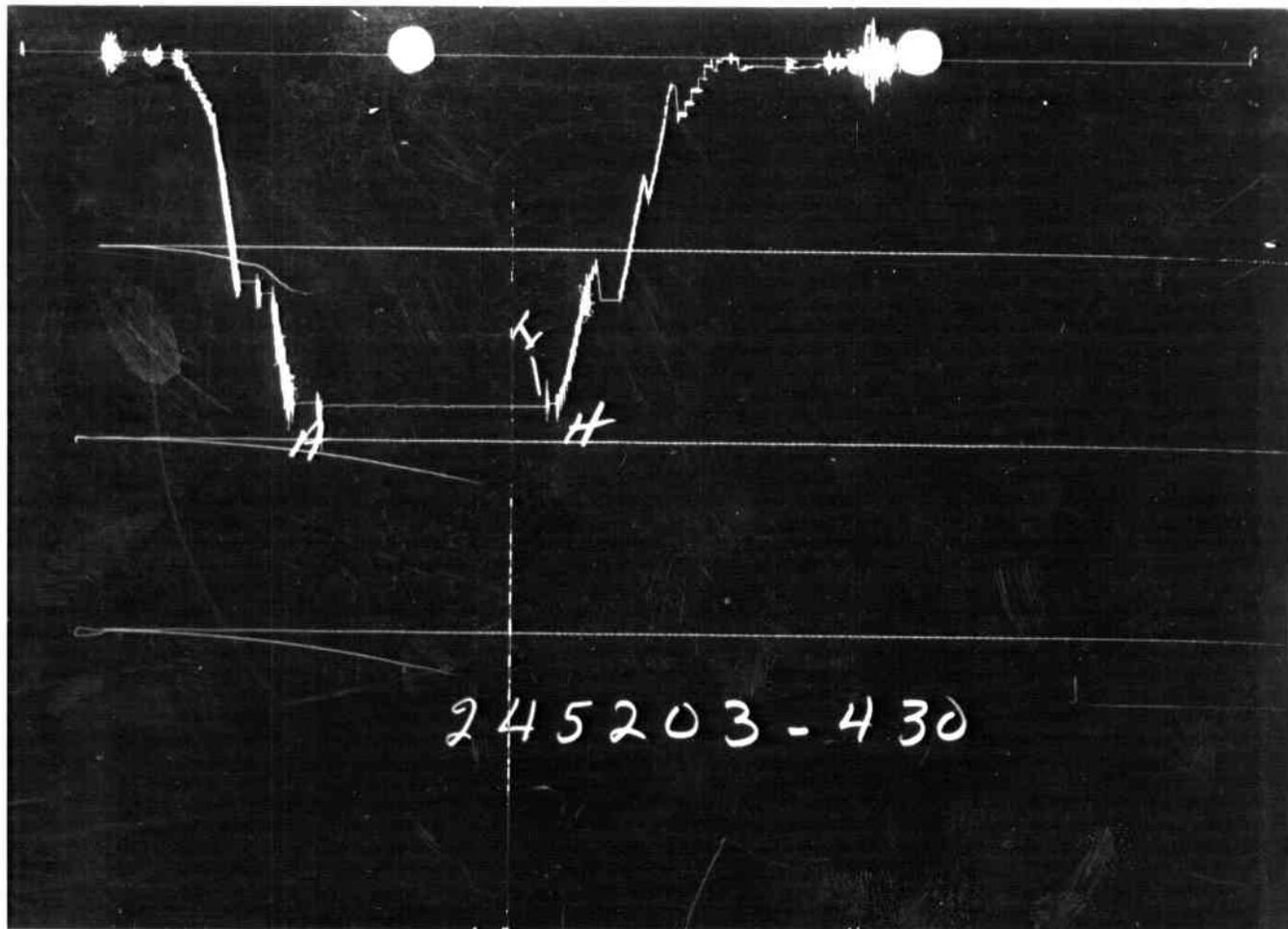
GAUGE NO: 649 DEPTH: 3713.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE	TIME	TYPE
----	-------------	----------	------	------



GAUGE NO: 430 DEPTH: 3772.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1822	1811.6			
B	INITIAL FIRST FLOW					
C	FINAL FIRST FLOW			30.0		F
C	INITIAL FIRST CLOSED-IN					
D	FINAL FIRST CLOSED-IN			60.0		C
E	INITIAL SECOND FLOW					
F	FINAL SECOND FLOW			60.0		F
F	INITIAL SECOND CLOSED-IN					
G	FINAL SECOND CLOSED-IN			120.0		C
H	FINAL HYDROSTATIC	1822	1804.5			
I	HYDROSTATIC BUILDUP		1821.5			



245203-430

GAUGE NO: 430 DEPTH: 3772.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE	TIME	TEMP
----	-------------	----------	------	------

EQUIPMENT & HOLE DATA

FORMATION TESTED: MESA VERDE
 NET PAY (ft): 14.0
 GROSS TESTED FOOTAGE: 15.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 5827.0 GROUND LEVEL
 TOTAL DEPTH (ft): 3775.0
 PACKER DEPTH(S) (ft): 3697, 3702, 3717
 FINAL SURFACE CHOKE (in): 0.12500
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.20
 MUD VISCOSITY (sec): 44
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 113 @ 3770.0 ft

TICKET NUMBER: 24520300DATE: 8-26-85 TEST NO: 1TYPE DST: ON BTM. STRADDLEHALLIBURTON CAMP:
VERNALTESTER: R. RIPPLE
R. MC DONALDWITNESS: GLENN HODGESDRILLING CONTRACTOR:
OLSON DRILLING RIG #5FLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>MUD PIT</u>	<u>1.800 @ 68 °F</u>	<u>1932 ppm</u>
<u>REC. WATER</u>	<u>0.970 @ 68 °F</u>	<u>3696 ppm</u>
<u>SAMPLE CHAMBER</u>	<u>0.980 @ 68 °F</u>	<u>3697 ppm</u>
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: 123.0
 cu.ft. OF GAS: 0.096
 cc OF OIL: _____
 cc OF WATER: 2000.0
 cc OF MUD: _____
 TOTAL LIQUID cc: 2000.0

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

635' OF WATER

MEASURED FROM
TESTER VALVE

REMARKS:

TICKET NO: 24520300
 CLOCK NO: 4203 HOUR: 12



GAUGE NO: 4426
 DEPTH: 3681.0

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	7.2			
2	5.0	40.9	33.7		
3	10.0	69.5	28.6		
4	15.0	94.1	24.6		
5	20.0	116.1	22.0		
6	25.0	136.9	20.8		
C 7	30.5	155.8	18.9		
FIRST CLOSED-IN					
C 1	0.0	155.8			
2	4.0	1477.6	1321.9	3.5	0.939
3	8.0	1543.3	1387.5	6.3	0.682
4	12.0	1573.9	1418.1	8.6	0.549
5	16.0	1593.5	1437.7	10.5	0.463
6	20.0	1607.1	1451.3	12.1	0.402
7	24.0	1615.9	1460.1	13.4	0.356
8	28.0	1622.8	1467.0	14.6	0.320
9	32.0	1627.7	1471.9	15.6	0.291
10	36.0	1631.9	1476.1	16.5	0.267
11	40.0	1635.1	1479.4	17.3	0.246
12	44.0	1638.2	1482.4	18.0	0.229
13	48.0	1640.7	1485.0	18.6	0.214
14	52.0	1643.2	1487.4	19.2	0.200
15	56.0	1645.0	1489.3	19.7	0.189
D 16	58.4	1645.9	1490.1	20.0	0.183
SECOND FLOW					
E 1	0.0	173.1			
2	10.1	202.9	29.8		
3	20.0	238.1	35.3		
4	30.0	265.0	26.9		
5	40.0	280.0	15.0		
6	50.0	295.4	15.4		
F 7	61.0	311.4	16.0		
SECOND CLOSED-IN					
F 1	0.0	311.4			
2	8.0	1547.1	1235.7	7.4	1.095
3	16.0	1587.5	1276.1	13.6	0.827
4	24.0	1605.7	1294.2	19.0	0.682
5	32.0	1616.3	1304.9	23.7	0.587
6	40.0	1623.9	1312.5	27.8	0.517
7	48.0	1629.5	1318.1	31.5	0.464
8	56.0	1633.2	1321.7	34.7	0.421
9	64.0	1636.4	1325.0	37.7	0.386
10	72.0	1639.4	1328.0	40.3	0.356

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
11	80.0	1641.6	1330.2	42.7	0.331
12	88.0	1643.7	1332.3	44.9	0.310
13	96.0	1645.9	1334.5	46.8	0.291
14	104.0	1646.9	1335.5	48.7	0.274
15	112.0	1648.7	1337.3	50.4	0.259
G 16	120.1	1650.1	1338.7	51.9	0.246

REMARKS:

TICKET NO: 24520300
 CLOCK NO: 7127 HOUR: 12

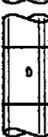


GAUGE NO: 649
 DEPTH: 3713.0

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	54.5			
2	5.0	82.3	27.8		
3	10.0	103.9	21.6		
4	15.0	125.1	21.2		
5	20.0	146.0	20.9		
6	25.0	165.9	19.9		
C 7	30.5	185.4	19.5		
FIRST CLOSED-IN					
C 1	0.0	185.4			
2	4.0	1469.8	1284.4	3.5	0.937
3	8.0	1548.4	1362.9	6.3	0.681
4	12.0	1586.1	1400.7	8.6	0.550
5	16.0	1606.3	1420.9	10.5	0.463
6	20.0	1617.8	1432.4	12.1	0.402
7	24.0	1627.3	1441.9	13.4	0.356
8	28.0	1634.4	1448.9	14.6	0.320
9	32.0	1640.5	1455.1	15.6	0.290
10	36.0	1645.1	1459.6	16.5	0.266
11	40.0	1649.1	1463.7	17.3	0.246
12	44.0	1652.5	1467.1	18.0	0.229
13	48.0	1655.0	1469.6	18.6	0.214
14	52.0	1657.5	1472.1	19.2	0.200
15	56.0	1658.8	1473.4	19.7	0.189
D 16	58.4	1660.2	1474.7	20.0	0.183
SECOND FLOW					
E 1	0.0	196.6			
2	10.0	228.5	31.9		
3	20.0	264.0	35.4		
4	30.0	289.9	25.9		
5	40.0	304.4	14.5		
6	50.0	319.1	14.7		
F 7	61.0	334.3	15.2		
SECOND CLOSED-IN					
F 1	0.0	334.3			
2	8.0	1550.5	1216.1	7.4	1.095
3	16.0	1596.6	1262.2	13.6	0.827
4	24.0	1616.4	1282.1	19.0	0.683
5	32.0	1627.8	1293.5	23.7	0.586
6	40.0	1635.8	1301.4	27.9	0.517
7	48.0	1641.7	1307.3	31.5	0.464
8	56.0	1646.4	1312.1	34.7	0.421
9	64.0	1649.2	1314.8	37.7	0.386
10	72.0	1653.0	1318.7	40.3	0.356

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
11	80.0	1654.5	1320.2	42.7	0.331
12	88.0	1656.3	1322.0	44.9	0.310
13	96.0	1658.6	1324.2	46.8	0.291
14	104.0	1660.7	1326.4	48.7	0.274
15	112.0	1662.0	1327.7	50.4	0.259
G 16	120.1	1663.6	1329.3	51.9	0.246

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.000	3.340	3089.0	
3		DRILL COLLARS.....	6.250	2.313	517.1	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	3606.0
3		DRILL COLLARS.....	6.250	2.313	59.8	
5		CROSSOVER.....	6.000	2.750	1.1	
13		DUAL CIP SAMPLER.....	5.000	0.750	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	3679.0
80		AP RUNNING CASE.....	5.000	2.250	4.1	3681.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
17		PRESSURE EQUALIZING CROSSOVER...	5.000	0.750	1.0	
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	3697.0
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	3702.0
20		FLUSH JOINT ANCHOR.....	5.750	3.500	6.0	
17		PRESSURE EQUALIZING CROSSOVER...	5.000	0.750	1.7	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1	3713.0
70		OPEN HOLE PACKER.....	7.000	1.530	2.4	3717.0
5		CROSSOVER.....	4.750	1.500	1.1	
5		CROSSOVER.....	5.750	2.313	1.0	
5		CROSSOVER.....	5.813	2.875	1.0	
3		DRILL COLLARS.....	6.250	2.313	29.5	
5		CROSSOVER.....	5.500	2.688	1.0	
20		FLUSH JOINT ANCHOR.....	5.750	3.500	14.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.1	3772.0
TOTAL DEPTH					3775.0	

EQUIPMENT DATA

OIL SPRINGS
LEASE NAME
WELL NO. 10
TEST NO. 3
TESTED INTERVAL 3426.0 - 3436.0
LEASE OWNER/COMPANY NAME T.X.O. PRODUCTION CORPORATION

LEGAL LOCATION
SEC. - TWP. - RMC. 5-12S-24E
FIELD AREA ROCKHOUSE
COUNTY UTAH
STATE UTAH OR

RECEIVED

SEP 09 1985

DIVISION OF OIL
GAS & MINING



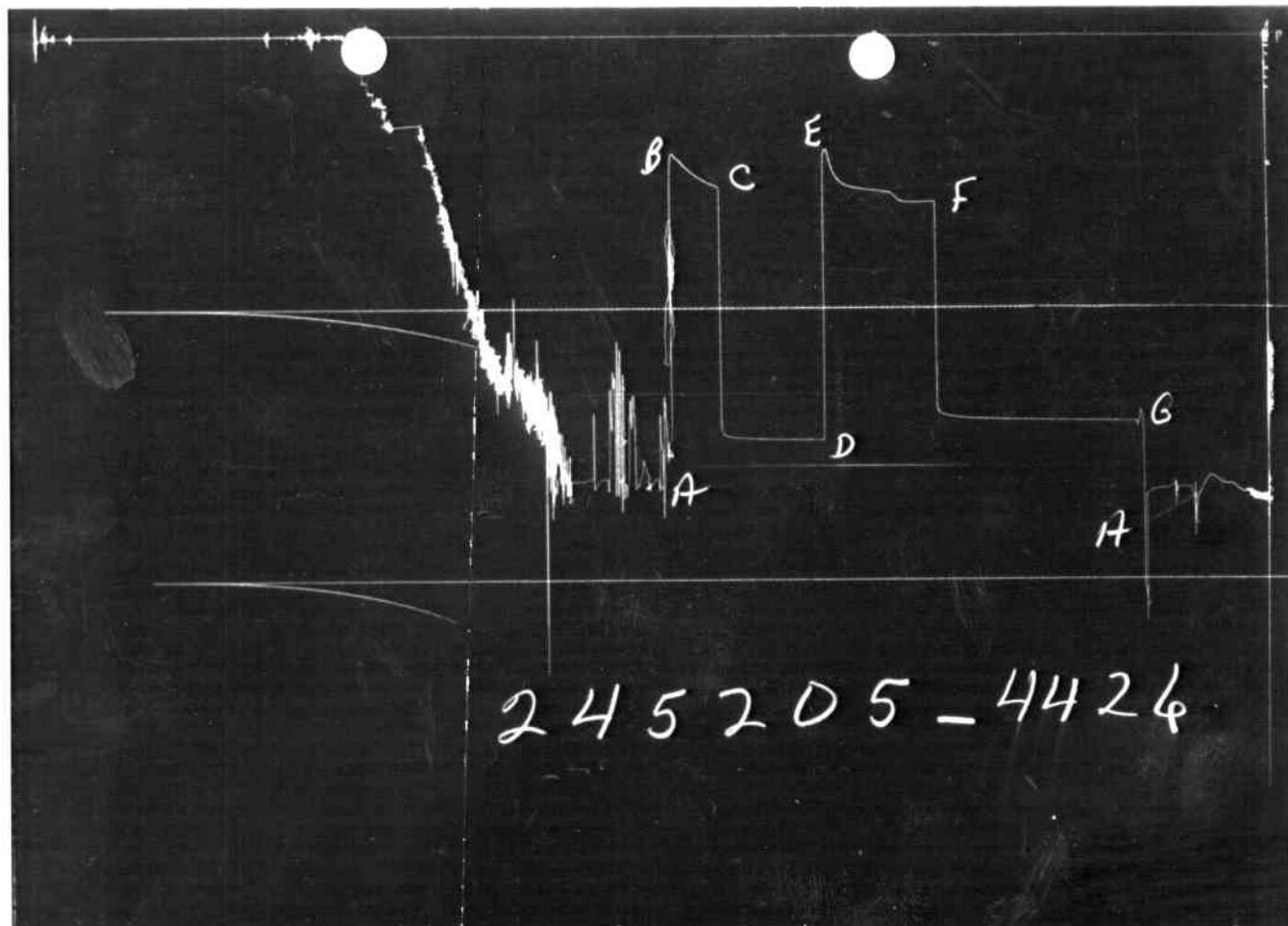
TICKET NO. 24520500
30-AUG-85
VERNAL

FORMATION TESTING SERVICE REPORT



GAUGE NO: 4426 DEPTH: 3404.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1632	1631.7			
B	INITIAL FIRST FLOW	414	460.9			
C	FINAL FIRST FLOW	554	558.1	30.0	29.0	F
C	INITIAL FIRST CLOSED-IN	554	558.1			
D	FINAL FIRST CLOSED-IN	1492	1488.0	60.0	61.2	C
E	INITIAL SECOND FLOW	395	434.9			
F	FINAL SECOND FLOW	600	611.5	65.0	67.2	F
F	INITIAL SECOND CLOSED-IN	600	611.5			
G	FINAL SECOND CLOSED-IN	1417	1421.3	120.0	118.7	C
H	FINAL HYDROSTATIC	1659	1656.7			
I	HYDROSTATIC RELEASE					



245205-4426

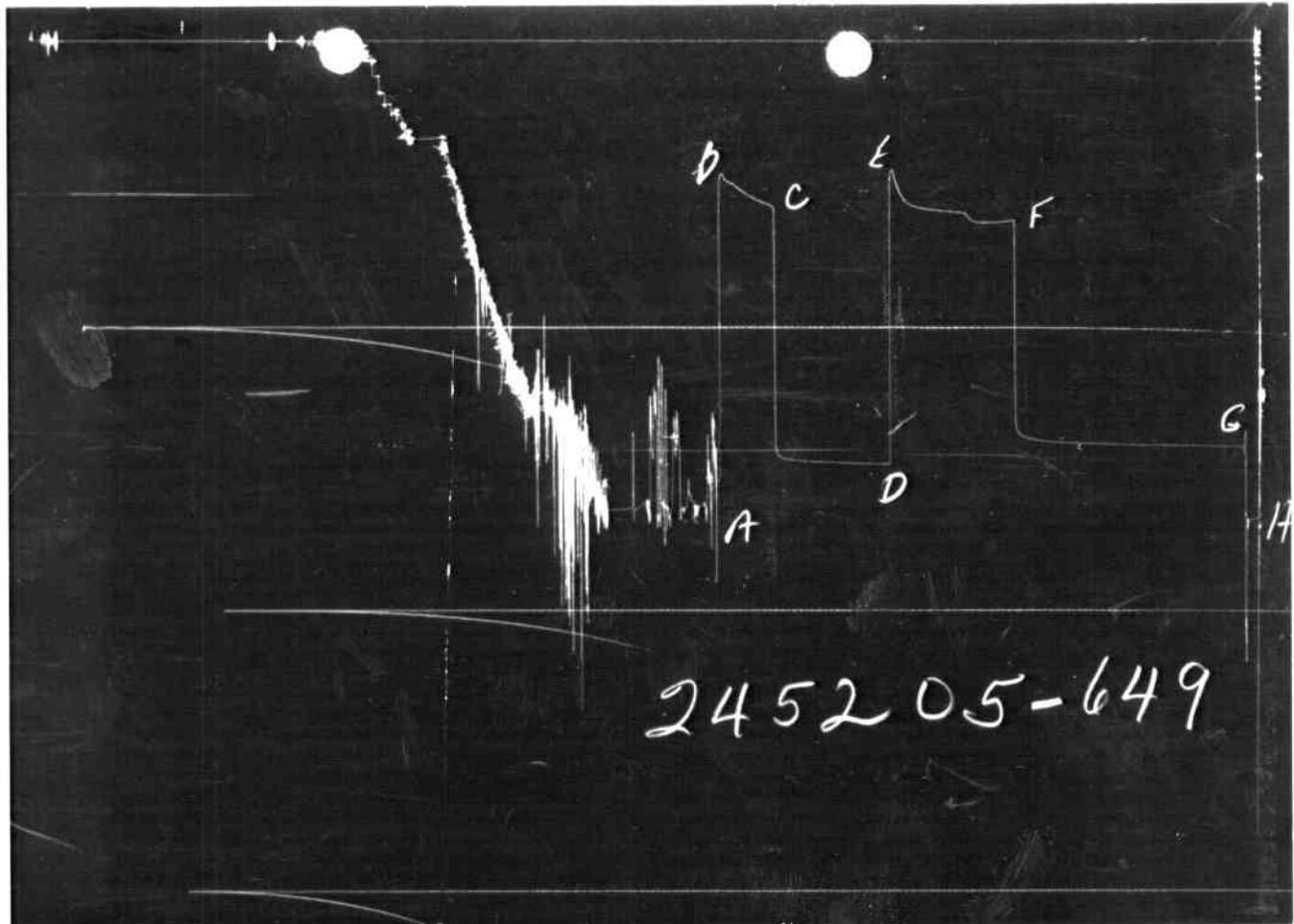
GAUGE NO: 4426 DEPTH: 3404.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE	TIME	TYPE
----	-------------	----------	------	------



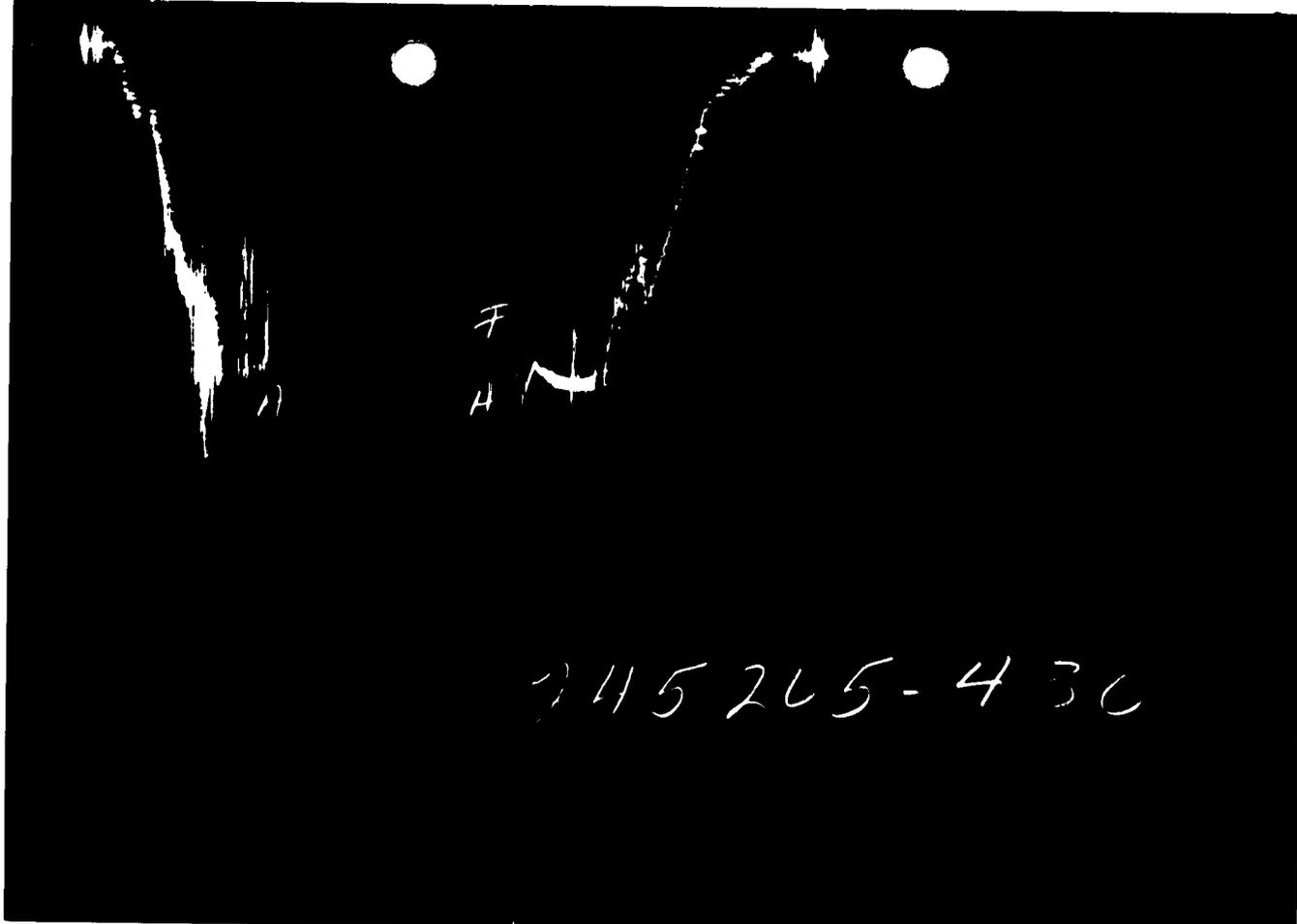
GAUGE NO: 649 DEPTH: 3432.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1631	1648.4			
B	INITIAL FIRST FLOW	462	498.1			
C	FINAL FIRST FLOW	568	582.5	30.0	29.0	F
C	INITIAL FIRST CLOSED-IN	568	582.5			
D	FINAL FIRST CLOSED-IN	1480	1485.0	60.0	61.2	C
E	INITIAL SECOND FLOW	444	485.3			
F	FINAL SECOND FLOW	603	628.1	65.0	67.2	F
F	INITIAL SECOND CLOSED-IN	603	628.1			
G	FINAL SECOND CLOSED-IN	1418	1423.2	120.0	118.7	C
H	FINAL HYDROSTATIC	1631	1677.6			
I	HYDROSTATIC RELEASE					



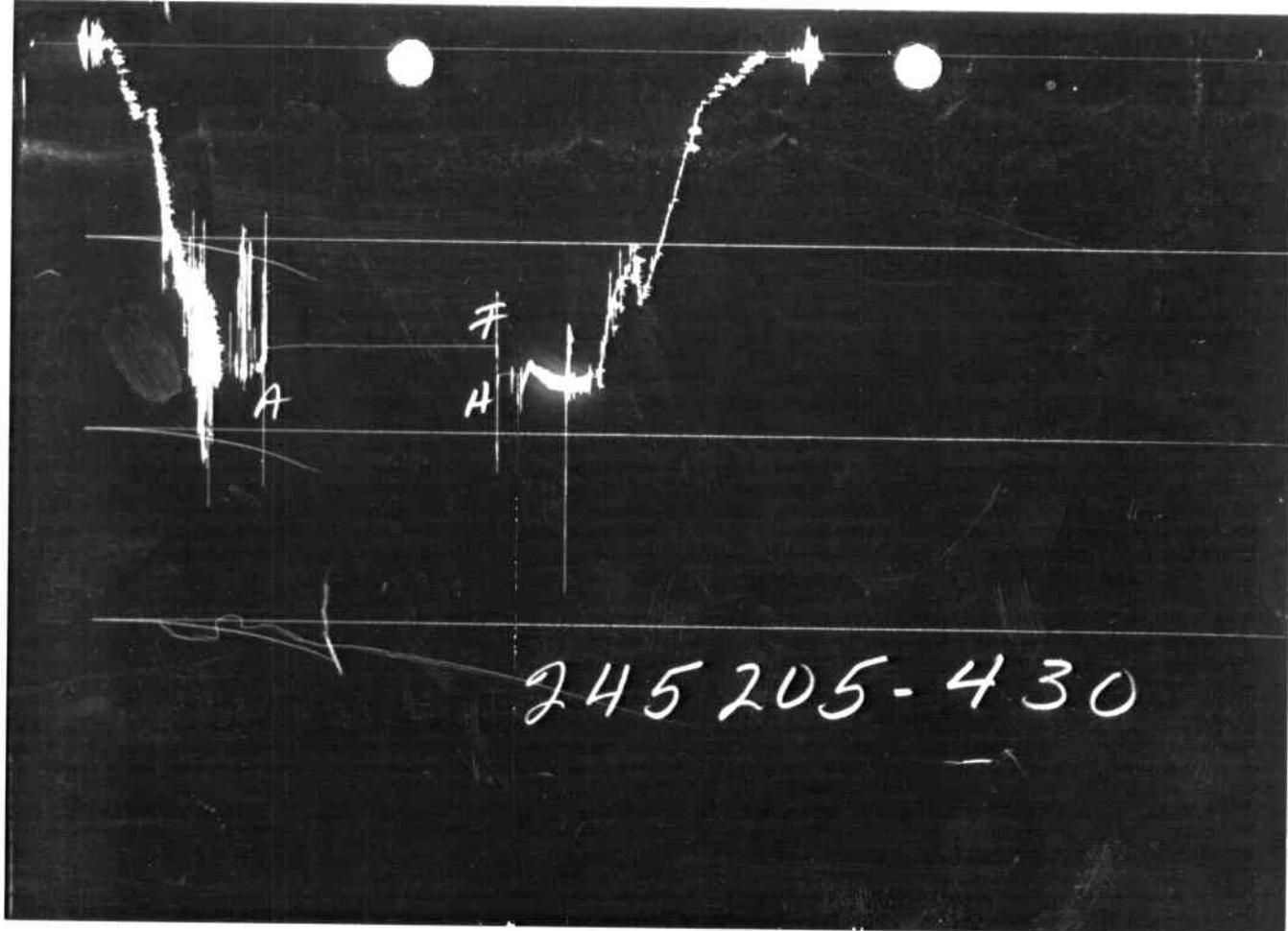
GAUGE NO: 649 DEPTH: 3482.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE	TIME	TYPE
----	-------------	----------	------	------



GAUGE NO: 430 DEPTH: 3454.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1571	1657.5			
B	INITIAL FIRST FLOW			30.0		F
C	FINAL FIRST FLOW					
C	INITIAL FIRST CLOSED-IN			60.0		C
D	FINAL FIRST CLOSED-IN					
E	INITIAL SECOND FLOW			65.0		F
F	FINAL SECOND FLOW					
F	INITIAL SECOND CLOSED-IN			120.0		C
G	FINAL SECOND CLOSED-IN					
H	FINAL HYDROSTATIC	1571	1684.4			
I	HYDROSTATIC RELEASE		1546.6			



GAUGE NO: 430 DEPTH: 3454.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE	TIME	TYPE
----	-------------	----------	------	------

EQUIPMENT & HOLE DATA

FORMATION TESTED: WASATCH
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 10.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 5827.0
 TOTAL DEPTH (ft): 3775.0
 PACKER DEPTH(S) (ft): 3420, 3426, 3436
 FINAL SURFACE CHOKE (in): 0.50000
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.20
 MUD VISCOSITY (sec): 44
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 137 @ 3453.0 ft

TICKET NUMBER: 24520500
 DATE: 8-27-85 TEST NO: 3
 TYPE DST: OFF BT. STRADDLE
 HALLIBURTON CAMP:
VERNAL
 TESTER: RANDY RIPPLE
R.I. MC DONALD
 WITNESS: GLENN HODGES
 DRILLING CONTRACTOR:
OLSON DRILLING #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: 860.0
 cu.ft. OF GAS: 5.700
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: _____
 TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

REVERSED--RIGGED UP KELLY TO CIRCULATE GAS OUT OF ANNULUS

MEASURED FROM TESTER VALVE

REMARKS:

THE SURFACE PRESSURE WAS ERRATIC DURING THE SECOND FLOW PERIOD DUE TO PLUGGING OF THE MANIFOLD AND GAUGES WITH MUD

HAD A TRACE OF LIQUID IN SAMPLER

TICKET NO: 24520500
 CLOCK NO: 4203 HOUR: 12



GAUGE NO: 4426
 DEPTH: 3404.0

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	460.9			
2	2.0	434.6	-26.3		
3	4.0	450.1	15.5		
4	6.0	462.0	11.9		
5	8.0	474.5	12.5		
6	10.0	487.0	12.4		
7	12.0	498.7	11.8		
8	14.0	508.8	10.1		
9	16.0	517.9	9.1		
10	18.0	524.2	6.3		
11	20.0	532.1	7.9		
12	22.0	538.5	6.4		
13	24.0	544.4	5.9		
14	26.0	548.9	4.5		
15	28.0	554.8	5.9		
C 16	29.0	558.1	3.2		
FIRST CLOSED-IN					
C 1	0.0	558.1			
2	1.0	1461.7	903.6	0.9	1.489
3	2.0	1468.6	910.5	1.8	1.196
4	3.0	1471.6	913.5	2.7	1.032
5	4.0	1473.4	915.4	3.5	0.916
6	5.0	1474.6	916.5	4.3	0.830
7	6.0	1475.5	917.4	5.0	0.766
8	7.0	1476.4	918.3	5.6	0.712
9	8.0	1477.4	919.3	6.3	0.665
10	9.0	1478.1	920.0	6.9	0.626
11	10.0	1478.4	920.3	7.4	0.592
12	12.0	1479.1	921.1	8.5	0.533
13	14.0	1480.3	922.2	9.4	0.488
14	16.0	1481.5	923.4	10.3	0.450
15	18.0	1481.8	923.8	11.1	0.417
16	20.0	1482.8	924.7	11.8	0.389
17	22.0	1483.3	925.3	12.5	0.366
18	24.0	1483.3	925.3	13.1	0.344
19	26.0	1483.5	925.4	13.7	0.325
20	28.0	1483.5	925.4	14.2	0.309
21	30.0	1484.1	926.0	14.8	0.294
22	35.0	1484.9	926.8	15.9	0.262
23	40.0	1485.4	927.3	16.8	0.237
24	45.0	1485.3	927.2	17.6	0.216
25	50.0	1485.3	927.2	18.4	0.199
26	55.0	1485.8	927.7	19.0	0.184
D 27	61.2	1488.0	929.9	19.7	0.169

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW					
E 1	0.0	434.9			
2	3.0	419.9	-15.0		
3	6.0	485.1	65.2		
4	9.0	522.9	37.8		
5	12.0	541.4	18.5		
6	15.0	541.4	0.0		
7	18.0	556.5	15.1		
8	21.0	560.5	4.0		
9	24.0	563.3	2.9		
10	27.0	566.2	2.9		
11	30.0	568.4	2.1		
12	33.0	570.3	1.9		
13	36.0	572.9	2.6		
14	39.0	574.9	2.0		
□ 15	41.0	576.8	1.9		
16	42.0	582.2	5.4		
17	45.0	601.3	19.1		
18	48.0	610.1	8.8		
19	51.0	612.4	2.3		
20	54.0	613.0	0.6		
21	57.0	613.0	0.0		
22	60.0	612.6	-0.4		
23	63.0	611.9	-0.7		
24	66.0	611.1	-0.7		
F 25	67.2	611.5	0.4		
SECOND CLOSED-IN					
F 1	0.0	611.5			
2	1.0	1382.6	771.1	0.9	2.007
3	2.0	1389.1	777.6	2.0	1.691
4	3.0	1392.4	780.9	2.9	1.517
5	4.0	1395.1	783.6	3.8	1.398
6	5.0	1396.4	784.9	4.7	1.307
7	6.0	1398.2	786.7	5.7	1.231
8	7.0	1400.1	788.7	6.5	1.168
9	8.0	1401.3	789.8	7.4	1.116
10	9.0	1401.9	790.4	8.2	1.069
11	10.0	1402.6	791.1	9.1	1.026
12	12.0	1404.4	792.9	10.7	0.956
13	14.0	1406.0	794.5	12.2	0.896
14	16.0	1407.3	795.8	13.7	0.846
15	18.0	1408.1	796.6	15.2	0.803
16	20.0	1408.9	797.4	16.5	0.765
17	22.0	1409.7	798.3	17.9	0.731
18	24.0	1410.3	798.8	19.2	0.700
19	26.0	1410.3	798.8	20.5	0.672
20	28.0	1410.3	798.8	21.7	0.647
21	30.0	1411.5	800.0	22.9	0.624
22	35.0	1412.5	801.1	25.7	0.574

LEGEND:
 □ MANIFOLD BEGAN PLUGGING

REMARKS:

TICKET NO: 24520500
 CLOCK NO: 7127 HOUR: 12



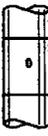
GAUGE NO: 649
 DEPTH: 3432.0

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	498.1			
2	2.0	468.5	-29.5		
3	4.0	488.5	20.0		
4	6.0	497.2	8.6		
5	8.0	502.7	5.5		
6	10.0	513.4	10.8		
7	12.0	523.5	10.1		
8	14.0	534.0	10.5		
9	16.0	541.7	7.6		
10	18.0	547.2	5.6		
11	20.0	555.6	8.4		
12	22.0	561.8	6.2		
13	24.0	566.7	4.9		
14	26.0	572.0	5.3		
15	28.0	579.4	7.4		
C 16	29.0	582.5	3.1		
FIRST CLOSED-IN					
C 1	0.0	582.5			
2	1.0	1451.5	869.0	1.0	1.475
3	2.0	1457.9	875.4	1.9	1.182
4	3.0	1461.6	879.1	2.7	1.024
5	4.0	1464.1	881.6	3.5	0.915
6	5.0	1466.0	883.5	4.2	0.835
7	6.0	1467.3	884.8	4.9	0.769
8	7.0	1468.2	885.7	5.6	0.714
9	8.0	1469.1	886.6	6.3	0.666
10	9.0	1470.1	887.6	6.9	0.626
11	10.0	1470.8	888.3	7.4	0.592
12	12.0	1471.7	889.2	8.5	0.534
13	14.0	1473.3	890.8	9.4	0.488
14	16.0	1474.1	891.6	10.3	0.449
15	18.0	1475.6	893.0	11.1	0.417
16	20.0	1476.6	894.1	11.8	0.389
17	22.0	1476.8	894.3	12.5	0.365
18	24.0	1477.9	895.4	13.1	0.344
19	26.0	1477.9	895.4	13.7	0.325
20	28.0	1478.2	895.7	14.3	0.309
21	30.0	1478.6	896.1	14.8	0.294
22	35.0	1480.3	897.8	15.9	0.262
23	40.0	1481.8	899.3	16.8	0.237
24	45.0	1483.1	900.6	17.6	0.216
25	50.0	1483.7	901.2	18.4	0.199
26	55.0	1484.4	901.9	19.0	0.184
D 27	61.2	1485.0	902.5	19.7	0.169

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW					
E 1	0.0	485.3			
2	3.0	465.4	-19.9		
3	6.0	526.4	61.0		
4	9.0	557.3	30.9		
5	12.0	573.8	16.4		
6	15.0	580.4	6.6		
7	18.0	584.9	4.5		
8	21.0	587.9	3.0		
9	24.0	590.1	2.2		
10	27.0	592.4	2.3		
11	30.0	594.1	1.7		
12	33.0	596.7	2.7		
13	36.0	598.5	1.8		
14	39.0	599.9	1.4		
15	41.0	601.6	1.7		
16	42.0	611.3	9.7		
17	45.0	629.1	17.8		
18	48.0	634.1	5.0		
19	51.0	635.2	1.1		
20	54.0	635.2	0.0		
21	57.0	634.4	-0.8		
22	60.0	633.3	-1.1		
23	63.0	631.2	-2.1		
24	66.0	628.7	-2.6		
F 25	67.2	628.1	-0.5		
SECOND CLOSED-IN					
F 1	0.0	628.1			
2	1.0	1370.6	742.4	1.0	2.002
3	2.0	1378.8	750.7	2.0	1.691
4	3.0	1385.0	756.9	2.9	1.519
5	4.0	1388.4	760.3	3.8	1.403
6	5.0	1391.3	763.1	4.8	1.305
7	6.0	1393.4	765.3	5.7	1.230
8	7.0	1395.4	767.3	6.6	1.167
9	8.0	1396.9	768.8	7.4	1.117
10	9.0	1398.0	769.9	8.2	1.069
11	10.0	1399.3	771.2	9.0	1.028
12	12.0	1401.4	773.2	10.7	0.955
13	14.1	1403.2	775.1	12.3	0.895
14	16.0	1405.2	777.1	13.7	0.846
15	18.0	1406.6	778.5	15.1	0.803
16	20.0	1407.6	779.5	16.6	0.764
17	22.0	1408.5	780.3	17.9	0.730
18	24.0	1409.2	781.0	19.2	0.700
19	26.0	1409.9	781.8	20.5	0.673
20	28.0	1411.0	782.8	21.7	0.647
21	30.0	1411.2	783.1	22.9	0.624
22	35.0	1413.0	784.9	25.7	0.574

LEGEND:
 MANIFOLD BEGAN PLUGGING

REMARKS:

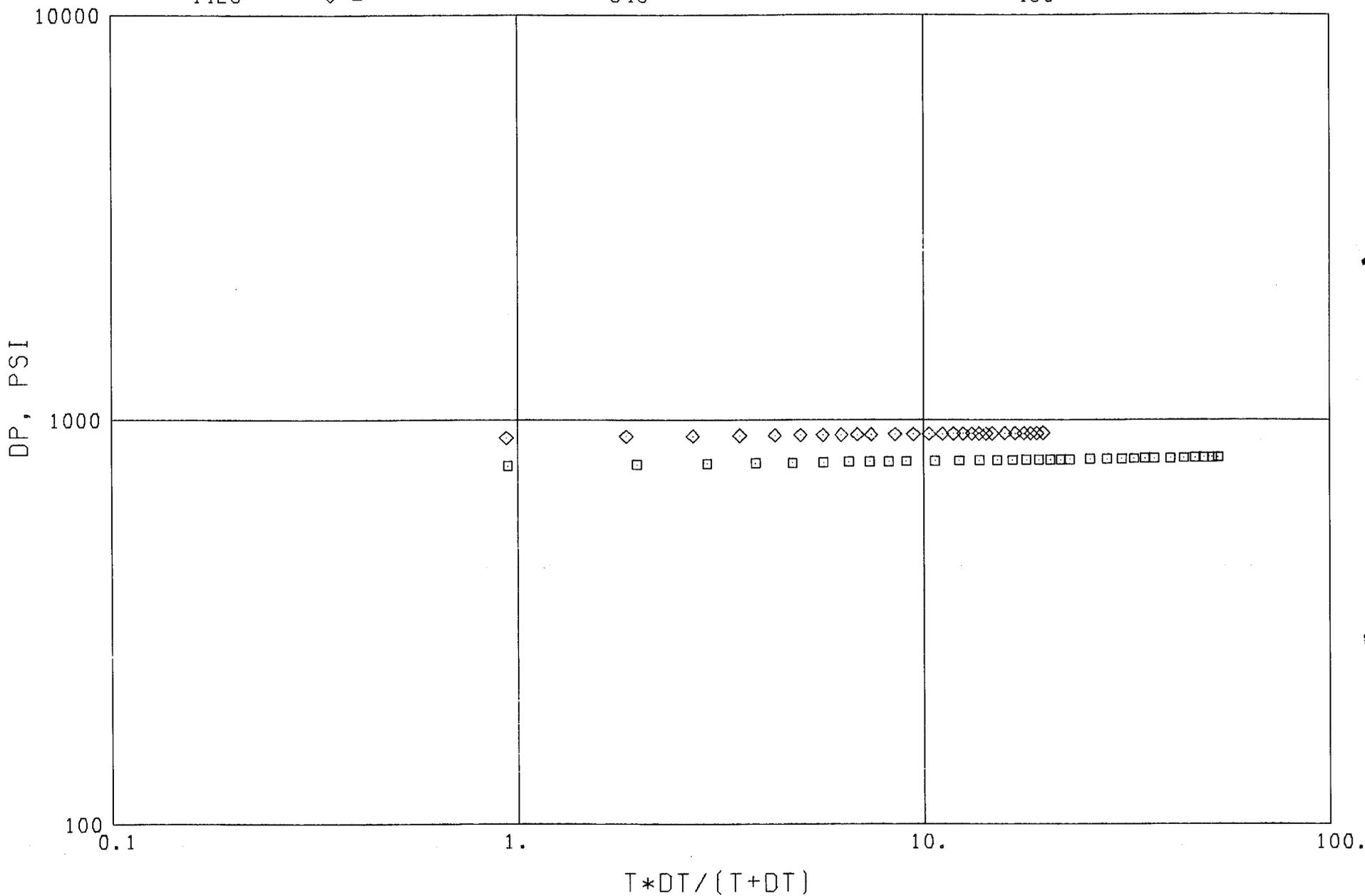
		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.000	3.340	2782.0	
3		DRILL COLLARS.....	6.250	2.313	548.2	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	3330.0
3		DRILL COLLARS.....	6.250	2.313	59.3	
5		CROSSOVER.....	5.500	2.688	1.0	
13		DUAL CIP SAMPLER.....	5.000	0.750	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	3402.0
80		AP RUNNING CASE.....	5.000	2.250	4.1	3404.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
17		PRESSURE EQUALIZING CROSSOVER...	5.000	0.750	1.0	
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	3420.0
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	3426.0
20		FLUSH JOINT ANCHOR.....	5.750	3.500	2.0	
17		PRESSURE EQUALIZING CROSSOVER...	5.000	0.750	1.7	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1	3432.0
70		OPEN HOLE PACKER.....	7.000	1.530	7.4	3436.0
90		SIDE WALL ANCHOR.....	7.500	1.620	6.0	3444.0
20		FLUSH JOINT ANCHOR.....	5.750	3.500	5.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.1	3454.0
		TOTAL DEPTH				3775.0

EQUIPMENT DATA

GAUGE NO CIP 1 2
4426 ◇ □

GAUGE NO CIP 1 2
649 ◇ □

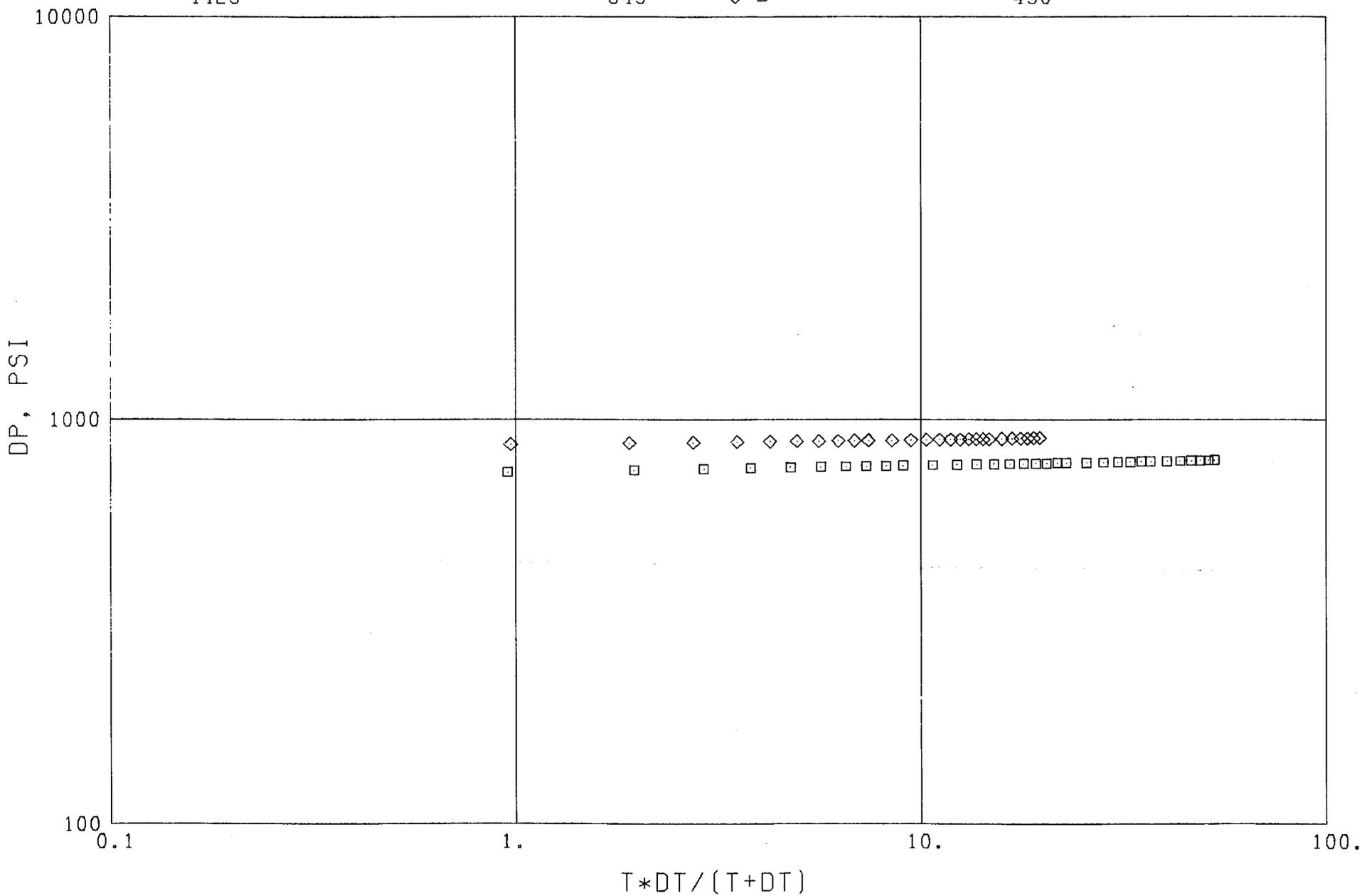
GAUGE NO CIP 1 2
430 ◇ □



GAUGE NO CIP 1 2
4426

GAUGE NO CIP 1 2
649 ◇ □

GAUGE NO CIP 1 2
430

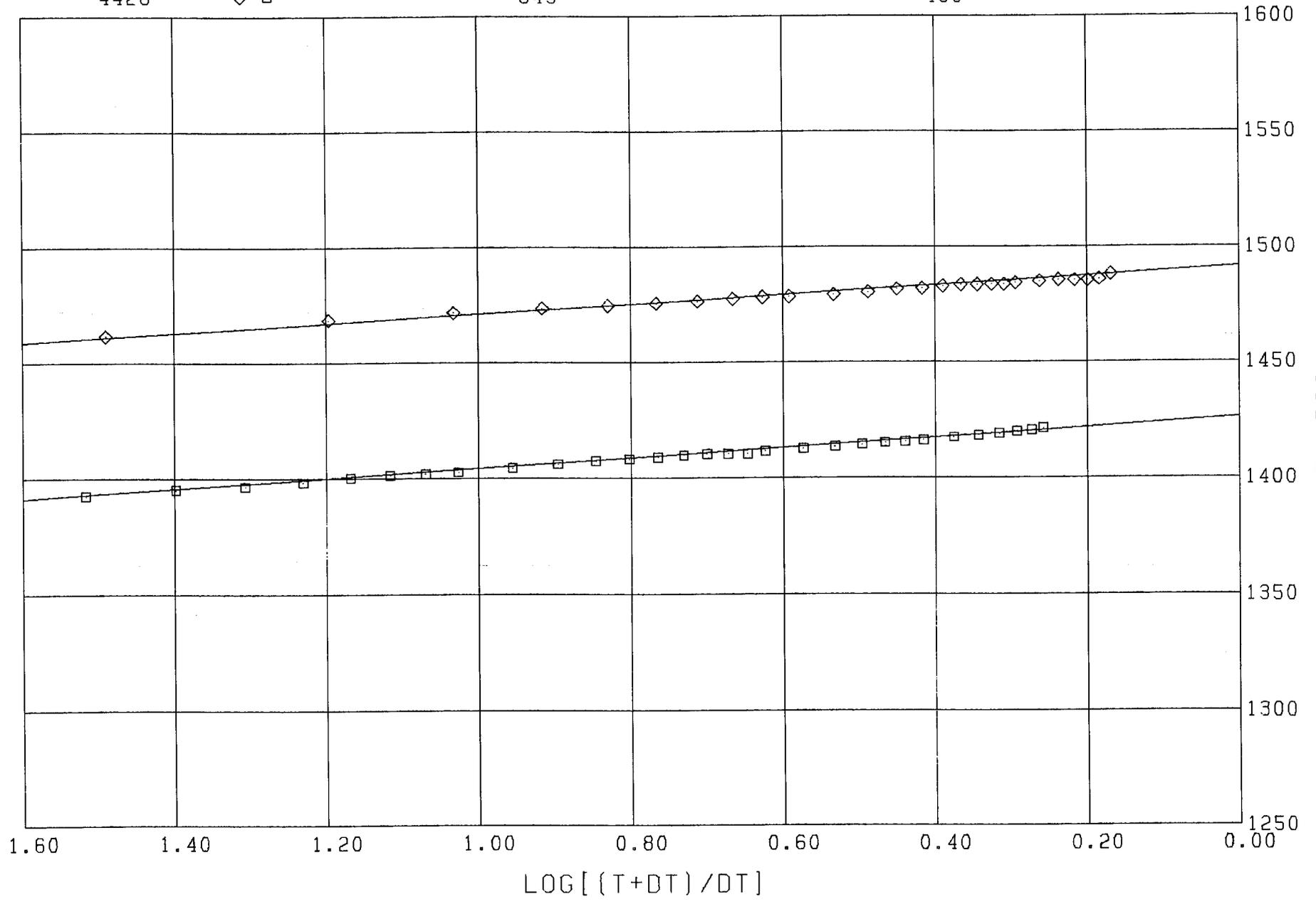


TICKET NO 24520500

GAUGE NO CIP 1 2
4426 ◇ □

GAUGE NO CIP 1 2
649

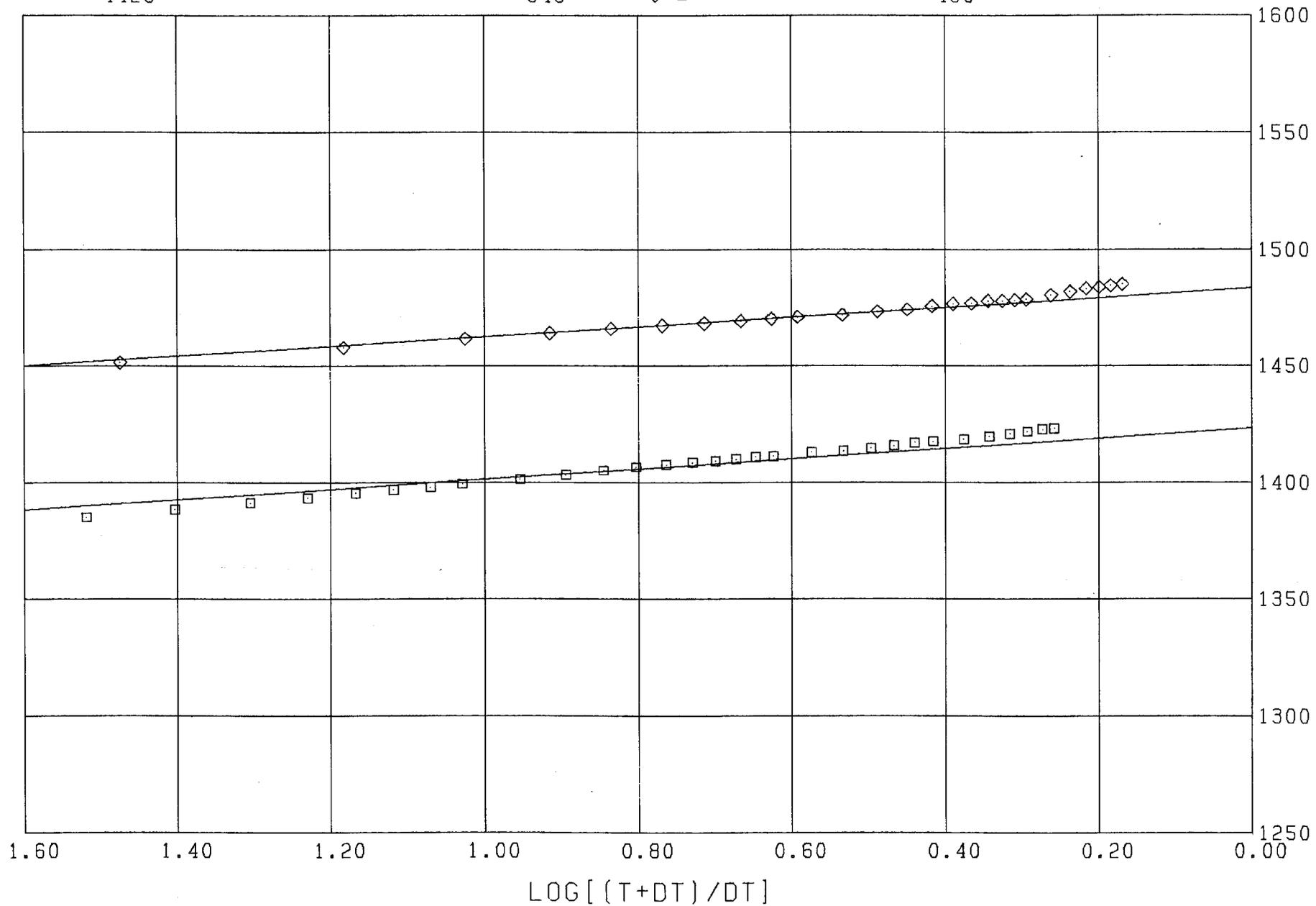
GAUGE NO CIP 1 2
430



GAUGE NO CIP 1 2
4426

GAUGE NO CIP 1 2
649 \diamond \square

GAUGE NO CIP 1 2
430

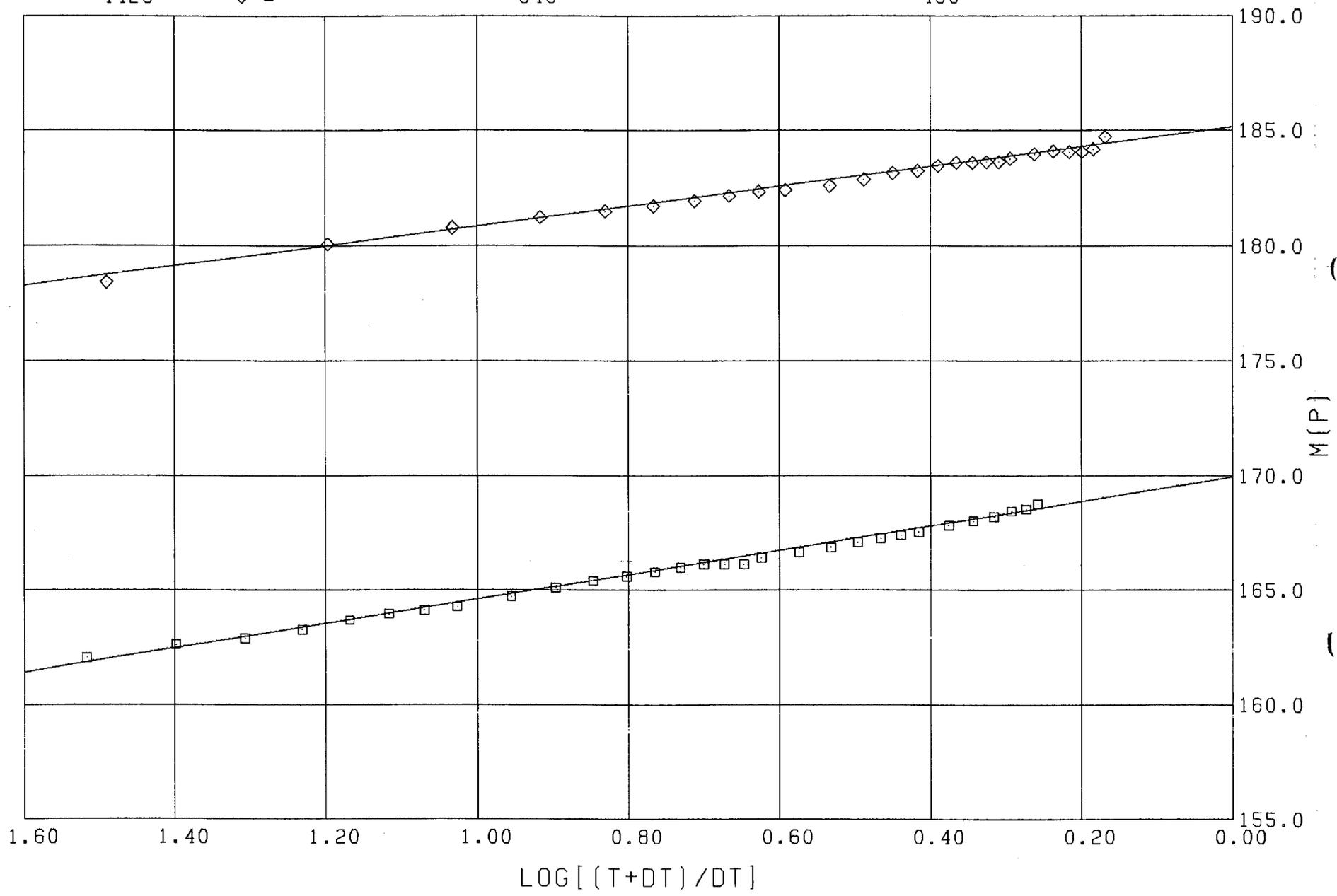


TICKET NO 24520500

GAUGE NO CIP 1 2
4426 ◇ □

GAUGE NO CIP 1 2
649

GAUGE NO CIP 1 2
430

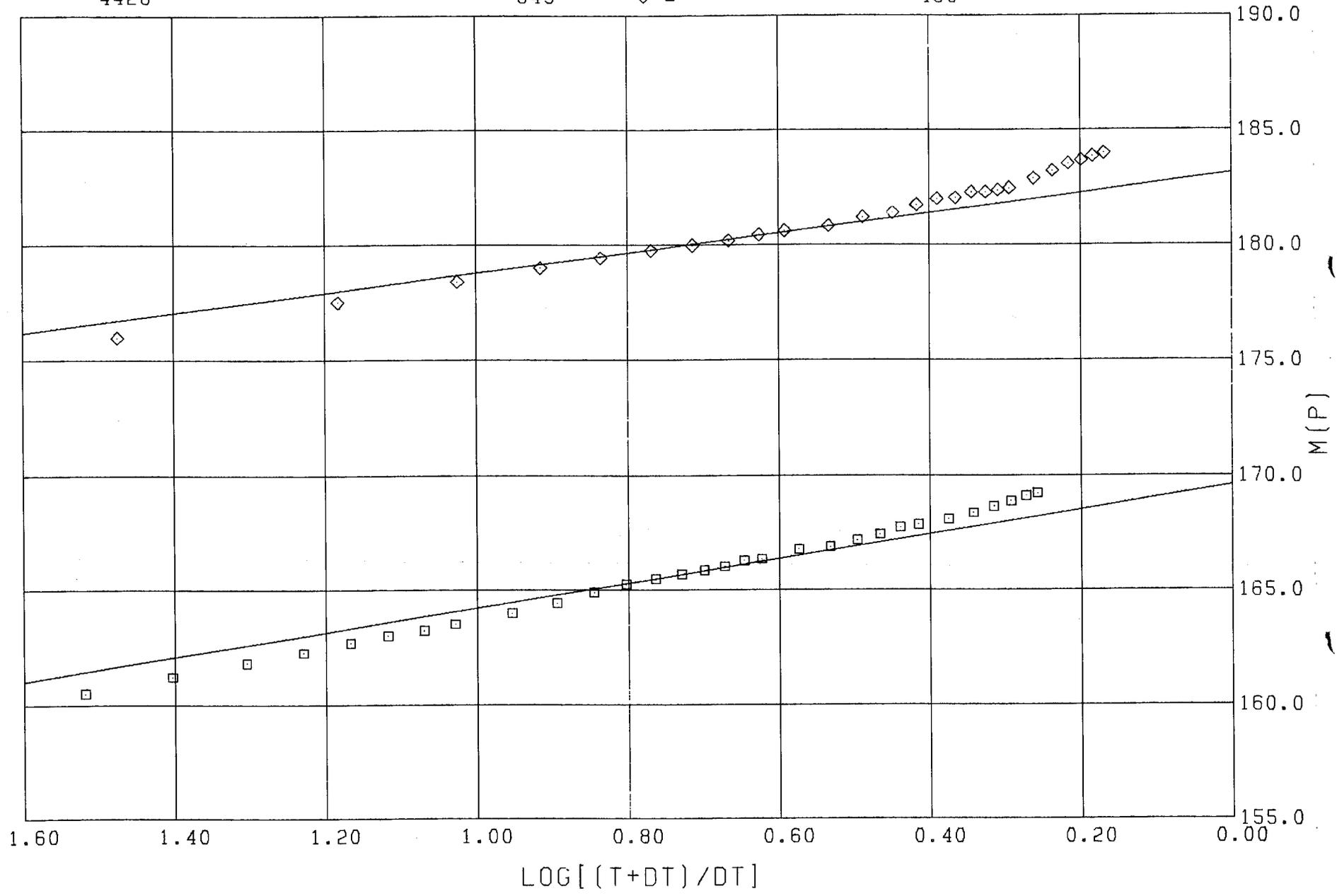


TICKET NO 24520500

GAUGE NO CIP 1 2
4426

GAUGE NO CIP 1 2
649 \diamond \square

GAUGE NO CIP 1 2
430



SUMMARY OF RESERVOIR PARAMETERS USING HORNER METHOD FOR GAS WELLS

GAS GRAVITY _____	0.600	TEMPERATURE _____	137.0 °F
NET PAY _____	0.0 ft	POROSITY _____	10.0 %
RADIUS OF WELL BORE _____	0.328 ft	VISCOSITY _____	0.014 cp
GAS DEVIATION FACTOR _____	0.882	GAS PROPERTIES AT _____	1423.3 psig
SYSTEM COMPRESSIBILITY _____	616.66 ×10 ⁻⁶ vol/vol/psf		

GAUGE NUMBER	4426	4426	649	649			
GAUGE DEPTH	3404.0	3404.0	3432.0	3432.0			
FLOW AND CIP PERIOD	1	2	1	2			UNITS
FINAL FLOW PRESSURE	558.1	611.5	582.5	628.1			psig
TOTAL FLOW TIME	29.0	96.3	29.0	96.3			min
CALC. STATIC PRESSURE P*	1489.9	1426.2	1481.3	1424.8			psig
EXTRAPOLATED PRESSURE m(P*)	185.2	169.9	183.1	169.6			$\frac{m\text{psi}^2}{\text{cp}}$
ONE CYCLE PRESSURE m(P ₁₀)	180.9	164.6	178.8	164.2			$\frac{m\text{psi}^2}{\text{cp}}$
PRODUCTION RATE Q	1785.0	2098.0	1785.0	2098.0			MCFD
FLOW CAPACITY kh	405.491	385.193	402.084	382.573			md-ft
PERMEABILITY k	40.5491	38.5193	40.2084	38.2573			md
SKIN FACTOR S	36.4	23.3	34.9	22.6			
DAMAGE RATIO DR	7.3	4.7	7.0	4.5			
INDICATED RATE MAX AOF ₁	2093.5	2589.2	2126.0	2628.3			MCFD
INDICATED RATE MIN AOF ₂	1933.1	2330.7	1948.1	2348.2			MCFD
THEORETICAL RATE DR×AOF ₁	15218.5	12042.1	14930.0	11940.2			MCFD
THEORETICAL RATE DR×AOF ₂	14052.6	10839.9	13680.3	10667.9			MCFD
RADIUS OF INVESTIGATION r _t	152.0	269.8	151.4	268.9			ft

REMARKS: CALCULATION RESULTS FROM GAUGE NO. 649 ARE SOMEWHAT QUESTIONABLE DUE TO ITS IRREGULAR BEHAVIOR.

THE PRODUCTION RATE USED FOR ANALYSIS OF THE INITIAL CIP WAS THE LAST REPORTED RATE DURING THE INITIAL FLOW PERIOD. THIS RATE HAD NOT STABILIZED AND THE RESULTS MAY BE QUESTIONABLE.

THE RATE USED FOR ANALYSIS OF THE FINAL CIP WAS THE STABILIZED RATE REPORTED DURING THE FINAL FLOW PERIOD BEFORE APPARENT PLUGGING OF THE SURFACE EQUIPMENT.

THE DATA WAS APPROXIMATELY MATCHED ON THE RADIAL FLOW TYPE CURVES ON VERY HIGH SKIN VALUES. THESE MATCHES YIELDED RESULTS SIMILAR TO THE HORNER RESULTS, VERIFYING THE ANALYSIS.

THE DECREASE IN WELLBORE DAMAGE FROM THE INITIAL TO FINAL CIP INDICATE THE WELL IS CLEANING ITSELF UP DURING THE TEST.

THE SUBSTANTIAL DECREASE IN EXTRAPOLATED PRESSURE FROM THE INITIAL TO THE FINAL CIP INDICATES POSSIBLE RESERVOIR DEPLETION DURING THE TEST.

NOTICE: THESE CALCULATIONS ARE BASED UPON INFORMATION FURNISHED BY YOU AND TAKEN FROM DRILL STEM PRESSURE CHARTS, AND ARE FURNISHED 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.

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

September 25, 1985

RECEIVED

OCT 03 1985

DIVISION OF OIL
GAS & MINING

TIGHT HOLE

STATE OF UTAH
Division of Oil, Gas, & Mining
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

Re: Oil Springs Unit #10
Sec. 5-T12S-R24E
Uintah County, Utah

Gentlemen:

Please be advised that TXO Production Corp. would appreciate having the above referenced well considered a tight hole effectively immediately.

Enclosed please find Form #9-330 (Well Completion or Recompletion Report and Log) in triplicate for the above-referenced well.

If you require anything further, please contact me at the above number.

Sincerely,

TXO PRODUCTION CORP.



Matthew C. Holdeman
Petroleum Engineer

MCH/jy

Enclosures/as stated

**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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U-08424A	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME - - -	
2. NAME OF OPERATOR TXO Production Corp.		7. UNIT AGREEMENT NAME Oil Springs Unit	
3. ADDRESS OF OPERATOR 1800 Lincoln Center Building		8. FARM OR LEASE NAME - - -	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 569' FNL, 1228' FEL At top prod. interval reported below At total depth		9. WELL NO. #10	
		10. FIELD AND POOL, OR WILDCAT Oil Springs	
		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 5-T12S-R24E	
14. PERMIT NO. 43-047-31656		13. STATE Utah	
		12. COUNTY OR PARISH Uintah	
		DATE ISSUED 7/22/85	
15. DATE SPUNDED 8/17/85		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5827' GL	
16. DATE T.D. REACHED 8/25/85		19. ELEV. CASINGHEAD 5839' KB	
17. DATE COMPL. (Ready to prod.) 9/21/85			
20. TOTAL DEPTH, MD & TVD 3775'		21. PLUG, BACK T.D., MD & TVD 3567'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
		ROTARY TOOLS Yes	
		CABLE TOOLS No	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2704-2706' 2720-2730' 2788-2792' Wasatch			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN DC-CNL-GR, DIL-GR, CCL-GR SIFL/GR			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#/ft	335'	12-1/4"
4-1/2"	10.5#/ft	3608'	7-7/8"
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
			None
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
2704-2706' 3-0.36" dia holes		DEPTH INTERVAL (MD)	
2720-2730' 11-0.36" dia holes		AMOUNT AND KIND OF MATERIAL USED	
2788-2792' 5-0.36" dia holes		2704-2706' 1200 gals 10% HCl 750 SCF N ₂	
		2720-2730' 90 tons CO ₂ , 46500# 16/30 sd	
		2788-2792' plus 216 bbls 2% KCL wtr.	
33. PRODUCTION			
DATE FIRST PRODUCTION 9/21/85	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) Shut-in
DATE OF TEST 9/21/85	HOURS TESTED 24 hrs	CHOKE SIZE 18/64"	PROD'N. FOR TEST PERIOD →
			OIL—BBL. -
			GAS—MCF. 1074
			WATER—BBL. 83.8
			GAS-OIL RATIO - - -
FLOW. TUBING PRESS.	CASING PRESSURE 558#	CALCULATED 24-HOUR RATE →	OIL—BBL. - - -
			GAS—MCF. 1074
			WATER—BBL. 83.8
			OIL GRAVITY-API (CORR.) - - -
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold			TEST WITNESSED BY Randy Walck
35. LIST OF ATTACHMENTS Drilling History			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Martens C. Holloman</u>		TITLE <u>PETROLEUM ENGINEER</u>	
		DATE <u>9/30/85</u>	

RECEIVED
OCT 03 1985
**DIVISION OF OIL
GAS & MINING**

251011

*(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), 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: "Sewer 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mesaverde	3701'	3717'	#1 Rec 635' wtr, IHHP 1753#, (30 min), (60 min) IFP 19-160#, (60 min), ISIP 1641#, (60 min) FFP 169-130#, (120 min), FSIP 1651# FHHP 1753#, BHSC @ 123#, 0.09 cu ft. gas, 200 cc wtr.	Uintah Green River Wasatch	Surface 580' 2448'	Surface 580' 2448'
	3426'	3436'	#2 Rec drill string full of gas; IHHP 1632# (30 min), IFP 414-554#, (60 min) ISIP 1492#, FHHP 1660#, BHT 1370F. BHSC @ 860#, 5.7 cu ft gas, trace of mud.	Mesa Verde	3692'	3692'

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

WELL NAME: Oil Springs Unit #10
AREA: Oil Springs
LOCATION: Sec. 5-T12S-R24E
COUNTY: Uintah
STATE: Utah
FOOTAGE: 569' FNL, 1228' FEL

PTD: 4000'
ELEVATIONS: 5839' KB, 5827' GL
CONTRACTOR: Ram
AFE NUMBER: 852525
LSE NUMBER: 76584
TXO WI: 100%

- 09/18/85 2803' PBD, well flowing pit on a 1/2" ch w/ med mist & no sd. Install a 3/4" ch. Flow to pit for 2 hrs w/ heavy mist & no sd. Flow for 4 hrs w/ lite mist & no sd. Flowing @ 540# on a 3/4" ch (7836 MCFD) w/ lite mist. SWI @ 1 PM. LD tbg out of derrick & break out singles. SDFN. This AM SICIP 870# (09/18/85). DW: 3450. CW: 295,173.
- 09/19/85 2803' PBD. SICIP 845#. Install donut w/ back pressure valve. ND BOP. NU WH. Remove back pressure valve. Set up tst separator. RR @ 12:30 PM 9/18/85. Flow tst well on a 20/64" ch w/ 700# FCP & 560# simulated line pressure. FARO 1910 MCFD. DW: 3150. CW: 298,323.
- 09/20/85 @ 7 AM well was flowing @ 675# FCP on a 20/64" ch (FARO 1604 MCFD) against 521# simulated LP. Well made 80 BW in 20 hrs. Last rate approx 2 BWPH. Will flow until noon today for good 24 hr test. CW: 282,874.
- 09/21/85 24 hr flow test on 18/64" ch, FCP 660#. Pressure declined 10# in 24 hrs. FARO 1074 MCFD against simulated line pressure 558#. Making 3.5 BWPH (83.8 BWPD). IP flowing Wasatch gas well. Drop from report until first sales. CW: 282,874.

WELL NAME:	Oil Springs Unit #10	PTD:	4000'
AREA:	Oil Springs	ELEVATIONS:	5839' KB, 5827' GL
LOCATION:	Sec. 5-T12S-R24E	CONTRACTOR:	Ram
COUNTY:	Uintah	AFE NUMBER:	852525
STATE:	Utah	LSE NUMBER:	76584
FOOTAGE:	569' FNL, 1228' FEL	TXO WI:	100%

09/13/85 This AM (2788-2792') SICP 0#, FTP 0#. Had 4-5' lazy flare. Made 1 swab run & rec less than 1/2 bbl wtr cut w/ yellow paraffin. Rel pkr & retrieve RBP. Set RBP @ 2764'. Test RBP to 1000# & POOH to 2600'. RU GO. Perf 2704-2706' w/ 1 JSPF (3-0.36" dia holes) & 2720-2730' w/ 1 JSPF (11-0.36" dia holes) w/ 1-1/16" through tbg carrier. No reaction from perforating. RD GO. Set pkr @ 2710'. Pull 1 swab run & KO well. Well flowing w/ 6' flare (10' lazy flare). Install 1/2" orifice plate. Had 32# (243 MCFD) w/ trace mist after 1 hr. Rel pkr. Ret RBP & reset RBP @ 2718'. PT RBP to 1000#. Held OK. Set pkr @ 2671'. Made 1 swab run & KO well. Flow very similar to lower zone. Btm of RBP may be set in lower perms. Move RBP to 2711'. Reset pkr @ 2671'. Test pkr & leave 1000# on annulus. Swab 2 runs & well dried up. Gas to surface immediately after run. Made 2 swab runs @ 1/2 hr intervals. Both runs dry. Had 4-6' lazy flare. TSTM. LWOTPON on a 1/2" orifice. SDFN. DW: 4720'. CW: 230,057.

09/14/85 Isolated perms 2704-2706'. This AM SICP 1000# (above pkr), FTP 4# on 1/2" orifice (68 MCFD). Swab run dry. 6-8' lazy flare. Rel pkr & RBP. Reset RBP @ 7264'. PT to 1500# for 5 min. Held OK. Set pkr @ 2671'. PT annulus to 2000#. Held OK. Made 3 swab runs & KO well. (Open perms are 2704-2706' & 2720-2730'.) RU Halliburton & acidize w/ 1200 gals 10% HCl mud acid w/ additives & 750 SCF N₂/bbl as follows: Pump 3000 SCF N₂ pad, start acid w/ N₂ & (1) 7/8" ball sealers per bbl acid @ 5.1 BPM combined rate. Pressure to 3200# until acid on formation then broke to 2800#, treated @ 2800# until balls on. Good ball action to 5000# but no ball off. Finish flush @ 3 BPM combined. ISIP 2800#, (5 min) 1175#, (10 min) 1000#, (15 min) 950#, ATP 2800#, MTP 5000#, ATR 5.1 BPM combined, MTR 5.1 BPM. 38 BLWTR. 31,500 SCF N₂ TR. Open well up. Flow & swabbed 7 runs to KO well. In 2 hrs med mist w/ 8-10' steady flare. Rel pkr & plug. Made wiper run past perms. Reset plug @ 2810, pkr @ 2671'. Commingled all 3 set of perforations. Swabbed 4 runs well KO. Flowed to pit 1/2 hr w/ lite mist 6-10' flare on 5/8" orifice plate had 52# FARO 519 MCFD. SWI. SDFN. DW: 9557. CW: 239,614.

09/15/85 3285' PBT, SITP 855#. Blew well dn, orange-blue flare w/ lite mist. Rel pkr & retrieve RBP. TOOH w/ tools. RU Go. RIH & set CIBP @ 2811'. Dump bail 5 gals cmt. Top of cmt @ 2803'. RD Go. TIH w/ 32A tentation set pkr. Test plug to 3000# for 15 min, all held. PU & hang pkr @ 2671'. Swabbed well to KO in 11 runs. Flowed to pit for 1 hr w/ very lite mist. SWI. SDFN. Prepare to frac Monday AM. DW: 3537. CW: 243,151.

09/16/85 SDFS.

09/17/85 2803' PBT, SITP 880# & SICP 900#. Blow well dn. TOOH w/ pkr. Change out pipe & blind rams. RU Halco & frac w/ 70Q Co₂ foam as follows: 6000 gal pad @ 1670# & 25 BPM (@ 6000 gals, pressure increased to 4000# so rate was dropped to 20 BPM); 5000 gal pad @ 3800# & 20 BPM; 2500 gals w/ ppg 16/30 sd @ 3980# & 20 BPM; 5000 gals w/ 2 ppg sd @ 3490# & 20 BPM; 6000 gals w/ 3 ppg sd @ 2860# & 20 BPM; 4000 gals w/ 4 ppg sd @ 2740# & 20 BPM; & 1600 gal flush @ 2800# & 20 BPM. ISIP 1740#, (5 min) 1460#, (10 min) 1325#, (15 min) 1180#. MTP 4200#, ATP 3400#, MTR 25 BPM, ATR 20 BPM. Pumped 90 tons CO₂ 46,500# 16/30 sd & 216 bbls 2% KCl wtr. RD Halco. LWSI for 4 hrs. Begin flow back @ 2:30 PM on 20/64" ch. Had 670# FCP. Well died @ 4:30 PM & then came back on @ 6:30 PM. Flowed @ 500-700# on a 1/2" ch during night. This AM had 620# on 1/2" ch w/ intermittent med mist. Gas will flare. No sd. 570# on 3/4" ch (8.262 MCFD). DW: 48,572. CW: 291,723.

WELL NAME: Oil Springs Unit #10
AREA: Oil Springs
LOCATION: Sec. 5-T12S-R24E
COUNTY: Uintah
STATE: Utah
FOOTAGE: 569' FNL, 1228' FEL

PTD: 4000'
ELEVATIONS: 5839' KB, 5827' GL
CONTRACTOR: Ram
AFE NUMBER: 852525
LSE NUMBER: 76584
TXO WI: 100%

- 08/29/85 3775' (0'), RR & RD. Mesa Verde. Finish TOOH w/ DST #2 & LD tools. TIH to 3690'. Wash & ream to 3700'. Circ & cond hole. TOOH & LD DP & DC. RU T&M Casers & run 86 jts 4½" csg (3608'). RU Western & cmt 4½" csg w/ 425 sxs Cl "H". RD Western. ND BOP. Set 30,000# on slips. Release Olsen Rig #5 @ 11 PM on 8/28/85. DST #2, 3426'-3436', Wasatch Fm. IFP, TO w/ blow to btm of bucket. Put on a ½" choke. 205# in 3 min (1,283 MCFD), 215# in 8 min (1.346), 235# in 13 min (1.472), 265# in 18 min (1.659), 280# in 23 min (1.753) & 285# in 28 min (1.785). FFP, TO on a ½" choke. 305# in 5 min (1.910 MCFD), 325# in 10 min (2.035), 335# in 15 min (2.098), 335# in 20 min (2.098), 335# in 25 min (2.098). Gauge plugged 25-40 min. 375# in 40 min (2.348). Gauge plugged 40-60 min. 375# in 60 min (2.348 MCFD). Rec drill string full of gas. IHHP 1632#, 30" IFP 414-554#, 60" ISIP 1492#, 60" FFP 395 - 600#, 120" FSIP 1417#, FHHP 1660#, BHT 137°F. BHSC @ 860#, 5.7 cu ft gas, trace of mud. DW: 40,045. CW: 152,870. DD 12.
- 08/30/85 MIRUWSU.
- 08/31/85 3567' PBD, MIRU CU. ND wellhead. NU BOP. PU & RIH w/ 3-7/8" bit, csg scraper, SSN & 2-3/8", 4.7#, J-55, EUE tbg to PBD. Tag PBD @ 3567'. Swab FL dn to 1800'. TOOH w/ tbg & tools. SDFN. DW: 25957. CW: 178,827.
- 09/01/85 RU Gearhart. Ran GR-CC1 & correlate to Dresser Atlas FDC-CNL log dated 8/26/85. TIH w/ 3-1/8" csg gun & perf 3424-3435' w/ 2 JSPF (23-0.36" DIA holes). Well immediately started flowing & unloading fluid. Flow test 2 hrs through csg. FCP 110# on 1-1/4" orifice (4164 MCFD) w/ lite mist. SI for 15 min. SICP 1150#. Kill well. Pump 25 bbls 3% KCL wtr @ 3 BPM. Pressure up to 1900#. Broke back to 1200#. Check well, not dead. Finish killing well w/ 30 bbls additional 3% KCL wtr. Pumped in 5 bbl stages. No pressure increases over 1200#. TIH w/ notched collar, SSN & 109 jts 2-3/8", 4.7#, K-55, EUE tbg to 3422'. ND BOP. NU wellhead. IFL @ surface. Made 15 swab runs. Fluid scattered & gas cut. Well flowing all of the time. FTP 50#, SICP 280# on 32/64" ch (400 MCFD) w/ heavy mist. LWOTPON. SDFN. DW: 5350. CW: 184,177.
- 09/02/85 Well flowing w/ FTP 60#, SICP 260# on 32/64" ch (463 MCFD) w/ med mist & orange flare. CW: 184,177.
- 09/03/85 Well flowing w/ FTP 40#, SICP 280# on a 32/64" ch (250 MCFD) w/ med mist. Well seems to be loading up w/ wtr. CW: 184,177.
- 09/04/85 3567' PBD, @ 7 AM SICP 45# & FTP 0#. Well dead. Blow dn csg. ND wellhead. NU BOP. TOOH w/ tbg. SSN & notched collar. PU & TIH w/ "MSOT" 4-1/2" Model 32A tension pkr, SSN & 110 jts 2-3/8"tbg. Set pkr @ 3454'. PT csg & shoe to 2000# for 15 min & held. Swab FL dn to SSN. Wait 30 min. Made swab run to SSN. No fluid entry. Unset pkr. TOOH & set pkr @ 3391'. Load annulus w/ 3% KCL & PT to 2000# for 15 min & held. Swab FL dn. Rec 14 bbs. No fluid entry. No gas. RU Western & breakdown perfs as follows: Pump 1000 gals methanol w/ 2 gals flowback 10 surfactant. After 200 gals away, drop (50) 7/8" ball sealers spaced evenly through-out 800 gals. Flush to 1 bbl short of perfs. Good ball action & almost ball off @ end of job. MTR 6 BPM, ATR 5 BPM, MTP 3600#, ATP 2300#. ISIP 800#. Well @ 0# in 2 min. RD Western & RU swab. IFL @ surf. Made 15 swab runs from SSN @ 3386'. Rec 36 bbls gas cut fluid. Final entry rate 0.4 bbls per run for last 7 runs. At end of 15 runs well was gassing w/ rate TSTM. DW: 6250. CW: 190,427. LWOTPON. SDFN.
- 09/05/85 3567' PBD, well dead this AM. SICP 0#, FTP 0#. Swab to tank, total 16 runs. IFL 700', FFL 3000'. Rec 28 BW. Avg fluid entry rate /.25 BPH. RU cementers. Pump 50 sxs cmt plug dn tbg. Perfs took approx

WELL NAME:	Oil Springs Unit #10	PTD:	4000'
AREA:	Oil Springs	ELEVATIONS:	5839' KB, 5827' GL
LOCATION:	Sec. 5-T12S-R24E	CONTRACTOR:	Ram
COUNTY:	Uintah	AFE NUMBER:	852525
STATE:	Utah	LSE NUMBER:	76584
FOOTAGE:	569' FNL, 1228' FEL	TXO WI:	100%

- 09/05/85 5 sxs. Press up to 3500# & held @ 3500# @ less than .1 BPM. Rel pkr. Rev circ out cmt w/ 30 bbls KCL wtr. POOH to 3084'. Rev circ additional 20 bbls KCL wtr. Set pkr. Press up tbg to 500# & csg to 750#. SDFN. DW: 8448. CW: 198,915.
- 09/06/85 3567' PBD, SITP 20#. SICP 50#. Rel pkr. TOOH. TIH w/ bit & scraper. Tag cmt @ 3397'. RU & drl out 32' of cmt. Circ hole clean w/ 60 bbls KCL wtr. PT to 1000# for 5 min & held. TOOH. RU NL McCullough. TIH w/ perf gun. Perf from 3424-3428', 4 JSPF, 36" diam. RD wireline. TIH w/ notched collar, SSN, & 2-3/8" tbg & set @ 3383'. RU & swab 6 runs. IFL surface. FFL 2700'. Rec 36 bbls wtr. LWOTPON on 1/2" ch. SDFN. DW: 5895. CW: 204,812.
- 09/07/85 SICP 0# TP 0#. Made 4 swab runs. IFL @ 2700'. FFL @ SSN'. Rec 15 bbls wtr. No gas shows. Lowered tbg to 3415'. RU Western. Pumped 40 bbls 2% KCL wtr w/ annulus open. Spotted 300 gals 10% mud acid into perfs. Max R 1/4 BPM Max P 1000#. ISDP 900#. (5 min) 700#, (7 min) 0#. Took 1 hr to pump the 7 bbls of mud acid. BLWTR 66. RD Western. RU to swab. Swab load back in 11 runs. Swab FL dn to SSN. Started making swab runs every 15 min. Avg FL @ 3000'. Avg fluid entry rate 2-1/2 BPH. Rec 10.2 bbls wtr over load. No gas shows. LWOTPON on 1/2" ch. DW: 3600. CW: 208,412.
- 09/08/85 3567' PBD, SICP 0#, TP 0#. Swabbed 27 runs. IFL @ 1300'. FFL @ 3000'. Rec 58-1/2 bbls wtr. Avg fluid entry rate 9-1/2 BPH. No gas show. Took wtr sample, fluid dirty brown w/ 1% solids, Cl-5200 ppm. Res .69 ohm @ 70° F, total dissolved solids 7290 ppm. Ph 6.8. SDFN.
- 09/09/85 SDFS. DW: 2300. CW: 210,712.
- 09/10/85 3285' PBD, TP 0#, CP 0#. Made 1 swab run. FL @ 2000'. Rec 4 bbls fluid. No gas. TOOH. RU GO. Correlate & set CIBP @ 3300' KB to 500#. Held OK. Dump bail 2 sxs cmt on top. PT CIBP. Correlate & perf 2788-2792' (1 JSPF, 5-0.36" dia holes) & 2816-2830' (1 JSPF 15-0.36" dia holes). RD GO. TIH w/ RBP, pkr, SSN & tbg to 2860'. Set RBP @ 2860'. TOOH & set pkr @ 2800'. RU swab. Made 9 runs. Rec 27 bbls fluid. IFL @ surface. FFL @ 1800'. Avg fluid entry rate is 2-1/2 BPH. Slight show of gas. SDFN. DW: 5950. CW: 216,662.
- 09/11/85 3285' PBD, SICP 0#, SITP 250#. IFL @ 900'. Made 5 swab runs. Rec 11.5 bbls. FFL @ 1500'. Cont swabbing. Avg fluid entry rate 2-1/2 BPM. Rel pkr & TIH. Retrieve RBP & reset RBP @ 2810'. PT RBP to 1000#. Held OK. Set pkr @ 2741'. Swab to tank. IFL @ 1200'. FFL @ 2741' (SSN). Rec 6 bbls. Avg fluid entry rate less than 1/4 BPH. Gas to surface 20 min after swab run. Had 1' lazy flare. SDFN. DW: 2450. CW: 219,112.
- 09/12/85 3285' PBD, in AM SICP 0#, SITP 40#. Made 1 swab run. Rec less than 1 bbl fluid w/ slight trace condensate. RU Western. Pump 5000 SCF N₂ as pad followed by 400 gals 10% HCl mud acid w/ additives w/ 800 SCF N₂/bbl & 7/8 RCN ball sealers @ 1 ball/bbl. ATR 4.5 BPM combined. Flush w/ nitrified KCl wtr. Well broke back from initial treating pressure of 3200# (pad) to 2000# (acid). Balled off 3 bbls short of total flush. Surged back & continued flush. Pressure to 3700# w/ no fluid entry. RD Western. Had 14 bbls load & 31,000 SCF N₂ to recover. Flow back load wtr. Est 3/4 of load rec & well died. Swab & KO well. Made hourly runs. Rec 1/2 bbl per hour. 4-5' lazy flare to surface @ 6 min after swab run. TSTM. LWOTPON. SDFN. DW: 6225. CW: 225,337.

OCT 03 1985

WELL NAME:	Oil Springs Unit #10	PTD:	4000'	DIVISION OF OIL GAS & MINING
AREA:	Oil Springs	ELEVATIONS:	5839' KB, 5827'	
LOCATION:	Sec. 5-T12S-R24E	CONTRACTOR:	Ram	
COUNTY:	Uintah	AFE NUMBER:	852525	
STATE:	Utah	LSE NUMBER:	76584	
FOOTAGE:	569' FNL, 1228' FEL	TXO WI:	100%	

08/18/85 100' (100'), drlg. Uintah. MI & RU Ram drlg surface hole rig. Spud well @ 7 PM 8/17/85. SDFN. DW: 1625. CW: 1625. DD 1.

08/19/85 335' (235'), cementing csg. Uintah. Drld from 100-335'. TOOH. RU & run 8-5/8" csg. SDFN. DW: 3300. CW: 4925. DD 2.

08/20/85 335' (0'), RU Olsen Drlg Rig #5. Uintah. Ran 7 jts 8-5/8", 24#, K-55, ST&C csg. Set @ 335' KB. RU Western & cmt 8-5/8" surf csg. Pmp'd 10 bbls of gel wtr & 125 BW. Cmt'd w/ 140 sxs 50/50 poz w/ 2% gel, 2% CaCl₂ & 1#/sx flocele. Tail w/ 40 sxs Cl "H" w/ 2% CaCl₂, 1#/sx celloflake. Dspl w/ 18.5 BW. PD @ 11:23 AM. BP @ 600#. Float held OK. Full returns. RD Western. RD Ram Drlg. WO Olsen Drlg Rig #5. DW: 3720. CW: 8645. DD 3.

08/21/85 486' (151'), drlg. Uintah. Native. 1 1/2° @ 376. Finish RU Olsen Drlg Rig #5. PU BHA & TIH. Test BOP & rams to 1500# for 15 min, held OK. Drl float collar & shoe. Survey. Started drlg @ 2:30 PM 8/20/85. DW: 10,500. CW: 19,145. DD 4.

08/22/85 2116' (1630'), drlg. Green River. 8.3, 27. 1-3/4° @ 851'. 2° @ 1351'. 1° @ 1851'. Drld from 486-607'. Bit plugged. TOOH & unplug bit. TIH & drld from 607-2116'. Lost some fluid to fm. Ran mud sweeps & stopped fluid loss. DW: 32,050. CW: 51,195. DD 5.

08/23/85 2941' (825'), drlg. Wasatch. 9.0, 39, 10.2, 11. 3/4° @ 2340'. 3/4° @ 2787'. Drld from 2116-2400'. Start mudding up. No problems. Drld from 2400-2941'. No shows. Fm top Wasatch @ 2370'. DW: 15,140. CW: 66,335. DD 6.

08/24/85 3300' (359'), drlg. Wasatch. 9.1, 41, 9.6, 11. 2° @ 3113'. Drld 2941-3143'. TOOH. Check bit. Bit OK. TIH to 3100'. Wash & ream to 3143'. Drlg ahead TD 3300'. DW: 6960. CW: 73,295. DD 7.

08/25/85 3630' (330'), drlg. Wasatch. 9.3, 43, 9.6, 11. 3° @ 3455'. Drld from 3300-3630'. No shows, no sd in smpls. DW: 6240. CW: 79,535.

08/26/85 3775' (145'), circ & cond hole. Mesa Verde. 9.2, 53, 9.8, 10.5. 3° @ 3755'. Had fair drlg break from 3700-3715' w/ 32 units, 8MPF-4MPF-8MPF TD 7-7/8" hole @ 2:40 PM 8/25/85. Circ & cond. SOOH. RU Dresser. Started logging @ 8 PM, finished logging @ 2:45 PM. RD Dresser. DW: 12,650. CW: 92,185. DD 9.

08/27/85 3775' (0'), TIH for DST #2. Mesaverde. 9.1, 43, 10.2, 10. TOOH. PU DST tools. TIH for DST #1. DST #1 3701-3717', Wasatch. DST #1 as follows: IFP TO w/ 1/4" blow. Increased to 3 1/2" (5 min), 5-1/8" (10 min), 6" (15 min), 8 1/2" (20 min), 10 1/4" (25 min), 12" (30 min). SI. FFP, TO w/ 1/4" blow. Increased to 5" (10 min), 7" (20 min), 9 1/2" (30 min), 11 1/4" (40 min). Stabilized @ 14" for remaining 20 min. 8 oz on 1/8" ch (10 MCFD). Rec 635' wtr. Top Rw = 0.97°F, Cl 3697 ppm. Middle Rw = 0.97 @ 68°F, Cl 3697 ppm. Btm Rw = 0.97 @ 68° F, Cl 3697 ppm. Mud Rw = 1.8 @ 68°F, Cl 1932 ppm. IHHP 1753#, (30 min) IFP 19-160#, (60 min) ISIP 1641#, (60 min) FFP 169-130#, (120 min) FSIP 1651#, FHHP 1753#, (30 min) IFP 19-160#, (60 min) ISIP 1641#, (60 min) FFP 169-130#, (120 min) FSIP 1651#, FHHP 1753#. BHSC @ 123#, 0.096 cu ft gas, 2000 cc wtr. Test for 4 1/2 hrs. Unset tools & TOOH for DST #2. PU tools & start TIH for DST #2. DW: 5440. CW: 97,625. DD 10.

08/28/85 3775' (0'), TOOH w/ DST #2. Mesaverde. 9.2, 41, 10.4, 11. Finish TIH w/ DST #2. Attempt to set tools, would not set. TOOH w/ misrun & LD 6-3/4" sidewall hook. PU 7-1/2" sidewall hook. TIH & set DST #2 3426-3436'. Final open on test was 360# on 1/2" ch (2.250 MCFD). Had a 40' flare. Circ & cond. TOOH w/ DST #2. DW: 15,200. CW: 112,825. DD 11.



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)
MOXA FEDERAL A-1 <i>U-24638</i> 4301930792 06730 16S 26E 4	DKTA ✓				
NICOR FED #2 <i>U-13653</i> 4301931020 06731 16S 25E 28	DK-BK ✓				
CREDO FEDERAL 1 <i>U-24638</i> 4301930797 06740 16S 26E 5	BUKHN ✓				
CREDO FEDERAL A-1 <i>U-24638</i> 4301930798 06745 16S 26E 5	DKTA ✓				
HANCOCK FEDERAL 2 <i>U-38720</i> 4301930833 06750 17S 25E 5	DKTA ✓				
BENNION FED. 1 <i>U-24632</i> 4301930893 06760 16S 25E 30	DK-MR ✓				
VALERIO FEDERAL H-1 <i>U-0126528</i> 4301931002 06765 16S 25E 12	MRSN ✓				
VALENTINE FEDERAL 3 <i>U-38276</i> 4301931009 06770 16S 25E 35	DKTA ✓				
WALL FEDERAL #1 <i>U-24632</i> 4301930838 06771 16S 25E 30	DK-BK ✓				
OIL SPRINGS UNIT 5 <i>U-08424A</i> 4304715930 06775 12S 24E 5	WSTC ✓	<i>Need successor to unit oper. (TXO to marathon)</i>			
OIL SPRINGS UNIT #10 <i>U-08424A</i> 4304731656 06776 12S 24E 5	WSTC ✓				
GRYNBERG FEDERAL #1 <i>U-13653</i> 4301930657 06781 16S 25E 28	DKTA ✓				
BMG FEDERAL #1 <i>U-05015</i> 4301931017 06791 16S 26E 8	BUKHN ✓				
TOTAL					

Comments (attach separate sheet if necessary) _____

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

Authorized signature _____ Telephone _____

RECEIVED
JAN 24 1991



P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4961

DIVISION OF
OIL, GAS & MINING

DRJ
1-2
Mug
-a R Futh

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

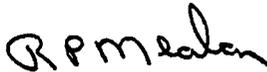
Utah Division of Oil, Gas & Mining
January 22, 1991
Page 2

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.

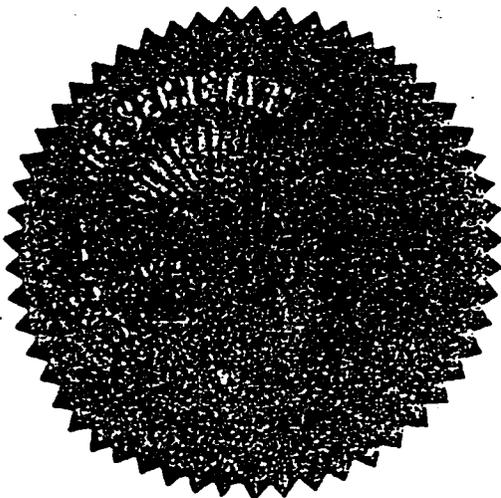
WITNESS my hand and official seal at

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 2-219

A subsidiary of USX Corporation

Copy sent to Master File Mail

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1- LCR	<i>ll</i>
2- DTS	<i>ts</i>
3- VLC	<i>ll</i>
4- RJF	<i>ll</i>
5- RWM	<i>ll</i>
6- LQR	<i>ll</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>
	<u>phone (307) 587-4961</u>		<u>phone (307) 587-4961</u>
	<u>account no. N 3490</u>		<u>account no. N1580</u>

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

Name: **SEE ATTACHED**	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)*
2. A copy of this form has been placed in the new and former operators' bond files. *(upon completion of routing)*
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.

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 _____ 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.

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 Btm/marb No doc. as of yet. (In the process of changing) Will call when approved.
Btm/S.L. 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 Btm/S.L. - Approved 2-20-91 - ok for OEGM 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)

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

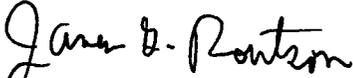
Re: Change of Operator
Sundry Notices
Grand and Uintah Counties, Utah

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

RECEIVED

FEB 25 1993

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

UTAH FEDERAL WELLS

MOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Bookcliffs Unit No. 1	U-036905	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-T18S-R22E
Bookcliffs Unit No. 3	U-036905	Sw $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-T18S-R22E
Hancock Fed. No. 2	U-38720	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T17S-R25E
Hougen Fed. No. A-1	U-42480	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-T17S-R24E
TXO-POGO-USA No. 15-9	U-49535	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-T17S-R24E
Callister Fed. No. 1	U-38363	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-T16S-R24E
Ptasynski Fed. No. 1	U-24603-A	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-T17S-R23E
Arco Fed. B No. 1	U-9831	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-T16S-R25E
Arco Fed. C No. 1	U-06188-B	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T16S-R25E
Arco Fed. D No. 1	U-29645	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T16S-R25E
Arco Fed. H No. 1	U-0126528	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-T16S-R25E
Grynberg Fed. No. 1	U-13653	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T16S-R25E
Lauck Fed. A No. 1	U-34033	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T16S-R25E
Lauck Fed. No. 2	U-34033	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T16S-R25E
Nicor Fed. No. 1	U-31807	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-T16S-R25E
Nicor Fed. No. 2	U-13653	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. ²⁹ 33 -T16S-R25E
Valentine Fed. No. 1	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Valentine Fed. No. 2	U-38276	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T16S-R25E
Valentine Fed. No. 3	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Wall Fed. No. 1	U-24632	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-T16S-R25E
Bennion Fed. No. 1	U-24632	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-T16S-R25E
Harvey Fed. No. 1-X	U-10427	Sw $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R25E

UTAH FEDERAL WELLS**MOAB BLM DISTRICT**

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
BMG Fed. No. 1	U-05015	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 2	U-05015	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 3	U-05015-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 4	U-05015-A	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-T16S-R26E
BMG Fed. No. 5	U-05015-A	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 7	U-05015-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-T16S-R26E
Credo Fed. No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R26E
Credo Fed. A No. 1	U-24638	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-T16S-R26E
Moxa Fed. No. 1	U-24638	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-T16S-R26E
Moxa Fed. A No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-T16S-R26E

UTAH STATE WELLS

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Texas Pacific No. 1	ML-4468-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Texas Pacific No. 2	ML-4468-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Little Berry No. 1	ML-21061	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T16S-R23E Grand County
Evacuation Creek No. 1	ML-39868	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36.T11S-R25E Uintah County
Evacuation Creek A No. 1	ML-28043	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Evacuation Creek 23-2-1	ML-28043	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Stirrup No. 32-1	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32.T6S-R21E Uintah County
Stirrup No. 32-2	ML-22036	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32.T6S-R21E Uintah County
Stirrup No. 32-4	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32.T6S-R21E Uintah County

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-08424-A
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 Oil Springs Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 569' FNL, 1228' FEL, Sec. 5-T12S-R24E (NE $\frac{1}{4}$ NE $\frac{1}{4}$)	8. Well Name and No. Unit No. 10
	9. API Well No. 43-047-31656
	10. Field and Pool, or Exploratory Area Oil Springs
	11. County or Parish, State Uintah County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <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

DIVISION OF
OIL GAS & MINING

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

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

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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

*See Instruction on Reverse Side

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 & 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

Bureau of Land Management
Branch of Fluid Minerals (U-92)
324 South State Street
Salt Lake City, Utah 84111-2303

March 25, 1993

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

Re: Oil Springs Unit
Uintah County, Utah

Gentlemen:

On February 25, 1993, we received an indenture dated February 22, 1993, whereby Marathon Oil Company resigned as Unit Operator and Lone Mountain Production Company was designated as Successor Unit Operator for the Oil Springs Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby accepted effective March 25, 1993. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Oil Springs Unit Agreement.

Your nationwide (Montana) oil and gas bond No. 0719 will be used to cover all operations within the Oil Springs Unit.

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

Sincerely,

(Orig. Sgd.) R. A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Division of Lands and Mineral Operations U-942
File - Oil Springs Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:03-25-93

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTOT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891007302A		OIL SPRINGS WS							
891007302A	430473124900S1 7	SESW	4	12S	24E	TA	UTU08424A		MARATHON OIL COMPANY
** INSPECTION ITEM 891007302B		OIL SPRINGS WS E							
891007302B	430473165600S1 10	WENE	5	12S	24E	6SI	UTU08424A		MARATHON OIL COMPANY
891007302B	430471593000S1 5	NESW	5	12S	24E	6SI	UTU08424A		MARATHON OIL COMPANY

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		5. 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 25 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) <input type="checkbox"/>	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

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

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

* 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 *RPM* 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 #
North Horse Point Field			
Little Berry State #1	SW/4 SW/4, Sec. 2-16S-23E	ML-21061	043-019-31075
BAR X West Field			
Hancock Federal #2	NW/4 SW/4, Sec. 5-17S-25E	U-38720	043-019-30833
Bryson Canyon Field			
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
East Canyon Field			
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
Horseshoe Bend Field			
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
Rockhouse Field			
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

1-LEC	7-LEC
2-DPTS	
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: 2-22-93)

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: **SEE ATTACHED**	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. (3-30-93)
- See 6. Cardex file has been updated for each well listed above. (3-30-93)
- See 7. Well file labels have been updated for each well listed above. (3-30-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-30-93)
- 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 3/31/93 1993. If yes, division response was made by letter dated 3/31/93 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 3/31/93 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.

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: _____ 19____.

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/Wesnal 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).

930330 Btm/S.Y. Approved C.A. changes eff. 3-26-93.

Unit operator changes approved 3-25-93. (Bookcliffs, Marble Mansion, Oil Springs)

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:

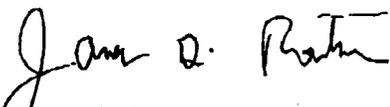
Pursuant to your telephone conversation with Carolyn George this afternoon, attached is a list of federal wells previously operated by Lone Mountain Production Company in the referenced county.

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

<u>No.</u>	<u>WELL NAME</u>	<u>LEASE NO.</u>	<u>LOCATION in Uintah County</u>
✓ 1)	Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
2)	Stimup 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

✓ * Fed. 17-6

U-54200

SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17, T. 11S, R. 23E

UTAH FEDERAL WELLS

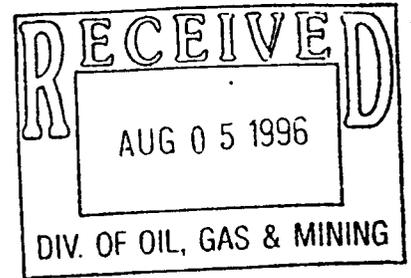
VERNAL BLM DISTRICT

<u>Well</u>	<u>Lease No.</u>	<u>Location</u>
✓ Shuffleboard Federal No. 1	U-31255	NE¼NE¼ Section 27: T6S-R21E
Stirrup Federal No. 28-1	U-34711	NW¼SW¼ Section 28: T6S-R21E
Football Federal No. 29-4	U-46699	SE¼SW¼ Section 29: T6S-R21E
Croquet Federal No. 1	U-53862	SE¼NE¼ Section 35: T6S-R21E
✓ Croquet Federal No. 2	U-53862	NE¼SE¼ Section 35: T6S-R21E
Croquet Federal No. 3	U-53862	NE¼NW¼ Section 35: T6S-R21E
Bridle Federal No. 1	U-47866	SW¼SW¼ Section 34: T6S-R22E
Bridle Federal No. 2	U-47866	NE¼SE¼ Section 34: T6S-R22E
Bridle Federal No. 3	U-47866	SW¼NW¼ Section 34: T6S-R22E
Bridle Federal No. 4	U-47866	SE¼NE¼ Section 34: T6S-R22E
Cracker Federal No. 1	U-54197	SE¼NE¼ Section 8: T11S-R23E
Cracker Federal No. 2	U-54197	SE¼SE¼ Section 8: T11S-R23E
Cracker Federal No. 3	U-54193	SW¼SE¼ Section 5: T11S-R23E
Cracker Federal No. 4	U-54196	SE¼NE¼ Section 7: T11S-R23E
Marble Mansion Unit No. 1	U-54201	SE¼SE¼ Section 18: T11S-R23E
✓ Oil Springs Unit No. 5	U-08424-A	NE¼SW¼ Section 5: T12S-R24E
✓ Oil Springs Unit No. 7	U-08424-A	SE¼SW¼ Section 4: T12S-R24E
✓ Oil Springs Unit No. 10	U-08424-A	NE¼NE¼ Section 5: T12S-R24E
✓ * Fed. 17-L	U-54200	SE¼NW¼ Sec. 17 T. 11S, R. 23E



United States Department of the Interior

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



IN REPLY REFER TO
UT-930

August 1, 1996

Rosewood Resources, Inc.
100 Crescent Court, Suite 500
Dallas, Texas 75201

Re: Oil Springs Unit
Uintah County, Utah

Gentlemen:

On July 5, 1996, we received an indenture dated August 1, 1996, whereby Lone Mountain Production Company resigned as Unit Operator and Rosewood Resources, Inc. was designated as Successor Unit Operator for the Oil Springs Unit, Uintah County, Utah.

This indenture was executed by all required parties. The instrument is hereby approved effective August 1, 1996. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Oil Springs Unit.

Your nationwide (Montana) oil and gas bond No. 0627 will be used to cover all operations within the Oil Springs Unit.

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Mineral Resources Group Administrator

Enclosure

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

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891007302A		OIL SPRINGS WS							
891007302A	430473124800S1 7	SESW	4	12S	24E	TA	UTU08424A		LONE MOUNTAIN PRODUCTION
** INSPECTION ITEM 891007302B		OIL SPRINGS WS B							
891007302B	430473165600S1 10	NENE	5	12S	24E	GSI	UTU08424A		LONE MOUNTAIN PRODUCTION
891007302B	430471593000S1 5	NESW	5	12S	24E	GSI	UTU08424A		LONE MOUNTAIN PRODUCTION

OPERATOR Rosewood Resources Inc.
 ADDRESS 100 Crescent Ct. Ste. 500
Dallas Tx 75201

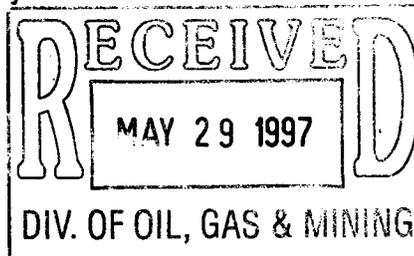
OPERATOR ACCT. NO. N 7510

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B-1	99999	12133	43-047-32976	Oil Springs 11	SWSW	5	12S	24E	Uintah	5/23/97	7
WELL 1 COMMENTS: OIL SPRINGS UNIT "WASATCH B-GAS ZONE PA"; THE #5 & #10 BEING ASSIGNED THE SAME ENTITY EFF 5/97. (SEE BELOW) Spud Oil Spring Unit #11											
D	6775	12133	43-047-15930	OIL SPRINGS UNIT 5	NESW	5	12S	24E	UINTAH	11/63	5/97
WELL 2 COMMENTS: OIL SPRINGS UNIT "WASATCH B-GAS ZONE PA" EFF 5/97; CHG'D TO BE CONSISTENT WITH OTHER WELLS WITHIN SAME PA. (OPERATOR NOTIFIED & IN AGREEMENT WITH CHANGE) <i>je</i>											
D	6776	12133	43-047-31656	OIL SPRINGS UNIT #10	NENE	5	12S	24E	UINTAH	8/85	5/97
WELL 3 COMMENTS: OIL SPRINGS UNIT "WASATCH B-GAS ZONE PA" EFF 5/97; CHG'D TO BE CONSISTENT WITH OTHER WELLS WITHIN SAME PA. (OPERATOR NOTIFIED & IN AGREEMENT WITH CHANGE) <i>je</i>											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

(3/89)



Jenna M. Miller
 Signature
 Prod Engr.
 Title
 5/24/97
 Date
 Phone No. (214) 871-5723

