

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 26, 1985

RECEIVED

JUN 28 1985

DIVISION OF OIL
GAS & MINING

Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

Re: Bridle Federal #2
Section 34-T6S-R22E
Uintah County, Utah

Dear Ms. Sollis:

Please find enclosed three copies of the Application for Permit to Drill (Form 3160-3) and a copy of the Drilling Plan and Surface Use Program submitted to the Bureau of Land Management for the above referenced well.

If you have any questions do not hesitate to contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.



R.K. (Ivan) Urnovitz
Environmental Scientist

RKU/gbp

Enclosures



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

SUBMIT IN THE MANNER
(Other instructions on
reverse side)

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

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 TXO Production Corp. Attn: R.K. (Ivan) Urnovitz

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1592' FSL, 717' FEL (NE, SE)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 12 miles south of Vernal, Utah

10. DISTANCE FROM PROPOSED*
 LOCATION TO NEAREST
 PROPERTY OR LEASE LINE, FT.
 (Also to nearest drlg. unit line, if any)
 717'

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED
 TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION*
 TO NEAREST WELL, DRILLING, COMPLETED,
 OR APPLIED FOR, ON THIS LEASE, FT.
 3578'

19. PROPOSED DEPTH
 3500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5074' GR

22. APPROX. DATE WORK WILL START*
 July 25, 1985

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'	250 sacks
7 7/8"	4 1/2"	10.5#	3500'	250 sacks

All casing will be new K-55

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
 DATE: 7/17/85
 BY: John R. Boya
 WELL SPACING: General No. 145-5
6/24/85

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 & Prod'n Manager DATE June 26, 1985
 R.E. Dashner

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

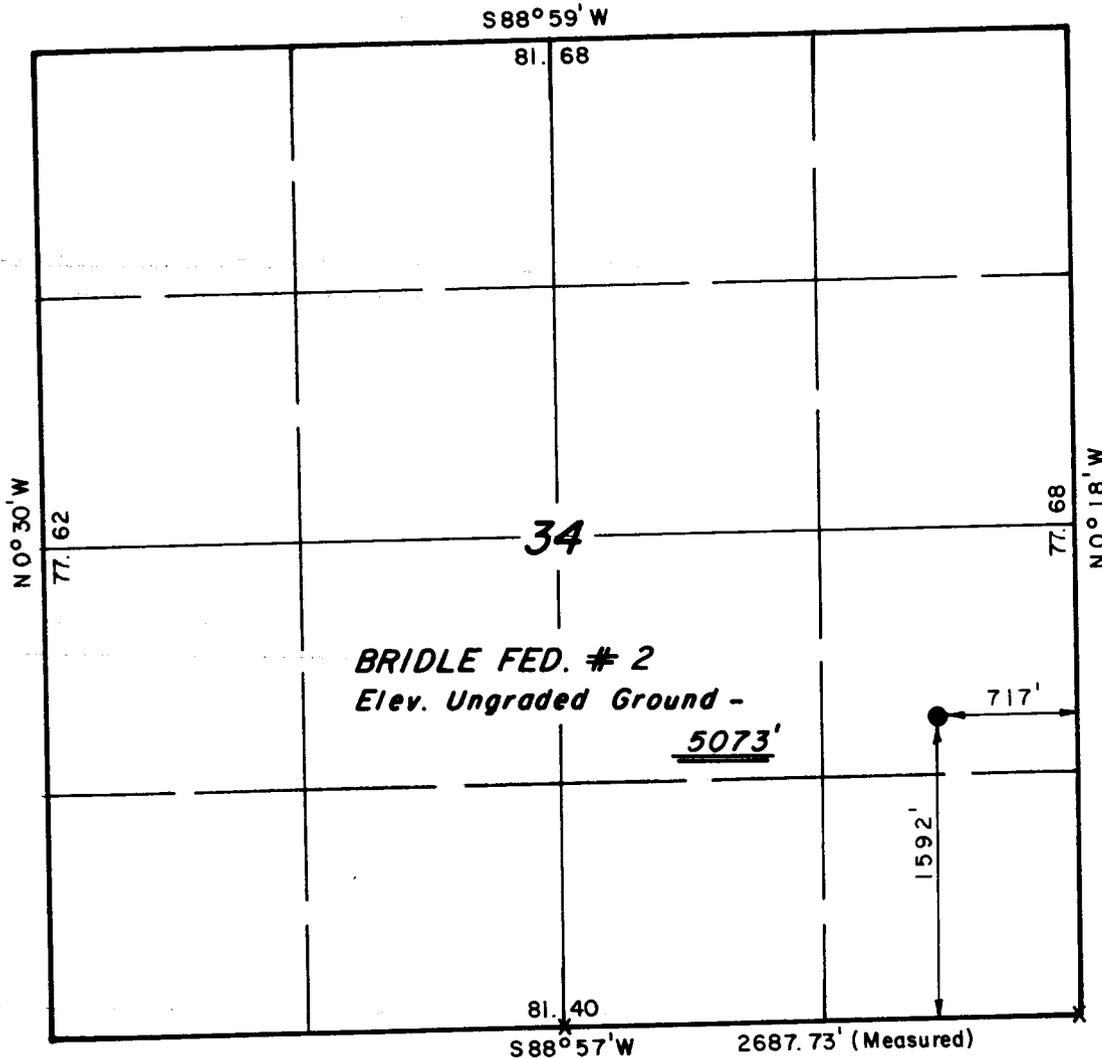
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T6S, R22E, S.L.B. & M.

PROJECT

TXO PRODUCTION CORP.

Well location, BRIDLE FED. # 2,
located as shown in the NE 1/4 SE 1/4
Section 34, T6S, R22E, S.L.B. & M.
Uintah County, Utah.



X = Section Corners Located



CERTIFICATE

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

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	6/25/85
PARTY	BW DS JK JW RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	TXO

TXO PRODUCTION CORP.

DRILLING PLAN

DATE: June 26, 1985

WELL NAME: Bridle Federal #2

SURFACE LOCATION: 1592' FSL, 717' FEL, Sec. 34-T6S-R22E, S.L.B.&M.
Uintah County, Utah

FEDERAL OIL & GAS LEASE NO.: U-47866

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

I. DRILLING PROGRAM

1. SURFACE FORMATION: Uinta

2. ESTIMATED FORMATION TOPS:

Lower Uinta "B" Zone	2950'
Green River	3450'
Total Depth	3500'

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

Expected Gas Zones:	Lower Uinta "B" Zone	2950'
	Green River	3450'

Water may be encountered in the Green River Formation.

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 1500 psi, which is greater than the anticipated bottomhole pressure of 1100 psi, will be installed. See Exhibit 1.

B. A choke control, fill and kill lines with minimum working pressure of 1500 psi will be installed.

C. The equipment in A and B will be pressure-tested to 1500 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:

0-350' Spud mud, 8.8-9.2 ppg, 35-45 vis.

350'-2800' Native, 8.8-9.2 ppg, 28-32 vis.

2800'-3500' LSND, 9.0-9.4 ppg, 35-45 vis.

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: SP-DIL-GR from TD to surface pipe. FDC-CNL-GR-CAL from TD to 2000' above total depth.

C. DST's are planned for all zones of interest.

9. ABNORMAL CONDITIONS:

A. No abnormal pressures or temperatures are expected.

B. No hazardous gases such as 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 25, 1985
Spud date	July 27, 1985
Complete drilling	August 5, 1985
Completed	August 15, 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 Naples, Utah take Utah 45 south, starting at the junction with U.S. 40, for about 12.5 miles. Then turn left onto the access road to the location.
- 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: Existing roads are heavy-duty paved roads and should require no maintenance.

2. PLANNED ACCESS ROAD

About 0.4 mile of new access road is needed, as the pad is located near an existing paved road. The use of culverts, gates, or cattleguards should not be necessary; however, the State of Utah Highway Department Requirements will be followed for that portion of the road within the right-of-way of Utah 45. Refer to Exhibit 4.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Injection Wells-None
- C. Abandoned Wells-Pan American McLish #1, Sec. 34-T6S-R22E
- D. Disposal Wells-None
- E. Producing Wells-Lockridge Horseshoe Bend 14-35, Sec. 27-T6S-R22E
- F. Drilling Wells-None
- G. Shut-in Wells-None
- 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, contain all water production, and 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 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. TXO is investigating water sources in the area. The BLM Vernal Office will be notified when water arrangements are completed.
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler along existing roads.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: TXO anticipates that cuts on the site will furnish sufficient quantities of fill materials to construct a level location. Topsoil will be stripped to a depth of 6 inches and stockpiled off the west side of the pad for later use during rehabilitation of the disturbed areas. Extra cut materials will be stored to the east of the reserve pit. Additional material, if needed, will be purchased from the dirt contractor. 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 in the reserve pit. After the fluids have evaporated, the reserve pit will be backfilled.
- C. Produced fracturing fluids will be directed to the reserve pit for evaporation.

- D. Sewage: A portable chemical toilet will be on location during drilling 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 or overhead flagging 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 2 to 4 inch layer of bentonite 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. In the event the well is not commercially productive, that portion of the access road requested by BLM to be rehabilitated will be recontoured,

covered with topsoil, disked and reseeded with the BLM-recommended seed mixture. Shrubby plants removed during road construction will be scattered randomly along the road to provide a natural appearance, control erosion, and enhance seed production.

- C. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately August 15, 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 access road and the well pad location are located in Uintah County, Utah. The affected lands are administered by the Bureau of Land Management. The lease boundary is shown in Figure 4.

12. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located in a moderately rolling area punctuated by numerous drainages. Soil in the area is sandy loam, and thin in spots with sandstone being exposed at the surface. Vegetative cover is sparse, about 25% or less. Plant species in the area include greasewood, big sagebrush, saltbush, cheatgrass, and various forbs. Fauna in the area include deer, antelope, and various birds and small, common mammals. No threatened or endangered species are known to occur in the area.
- B. Other surface-use activities include: oil and gas production, livestock grazing, and electric power transmission.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The Green River flows about 3.5 miles north of the location. There are no occupied dwellings in the area. A cultural resource survey has been ordered and the results will be forwarded to 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

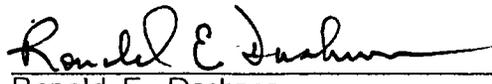
Comments regarding the content of this plan or arrangements for an on-site inspection should be directed to:

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

- 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 26, 1985

NAME AND TITLE:



Ronald E. Dashner
District Drilling and Production Manager

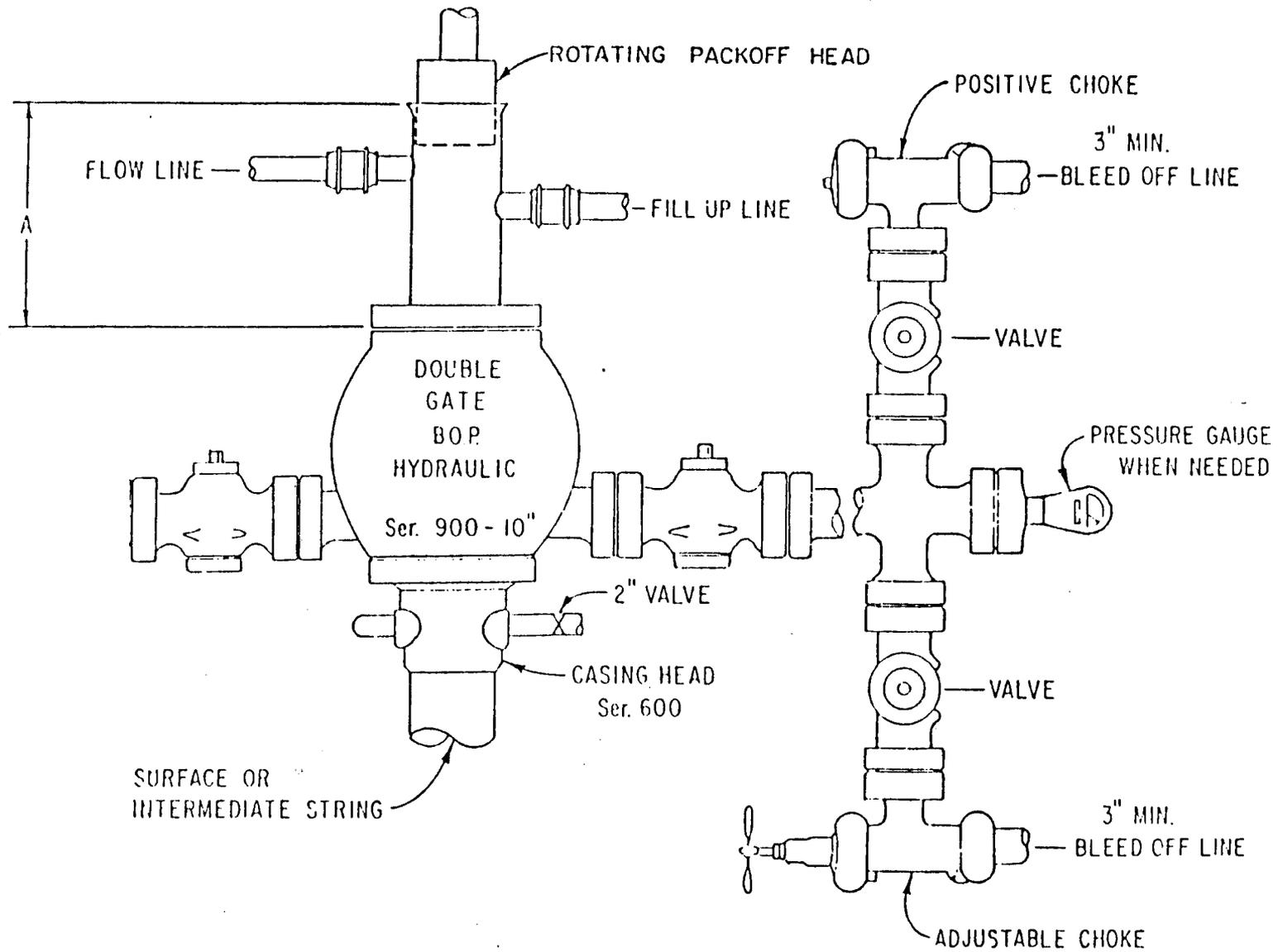
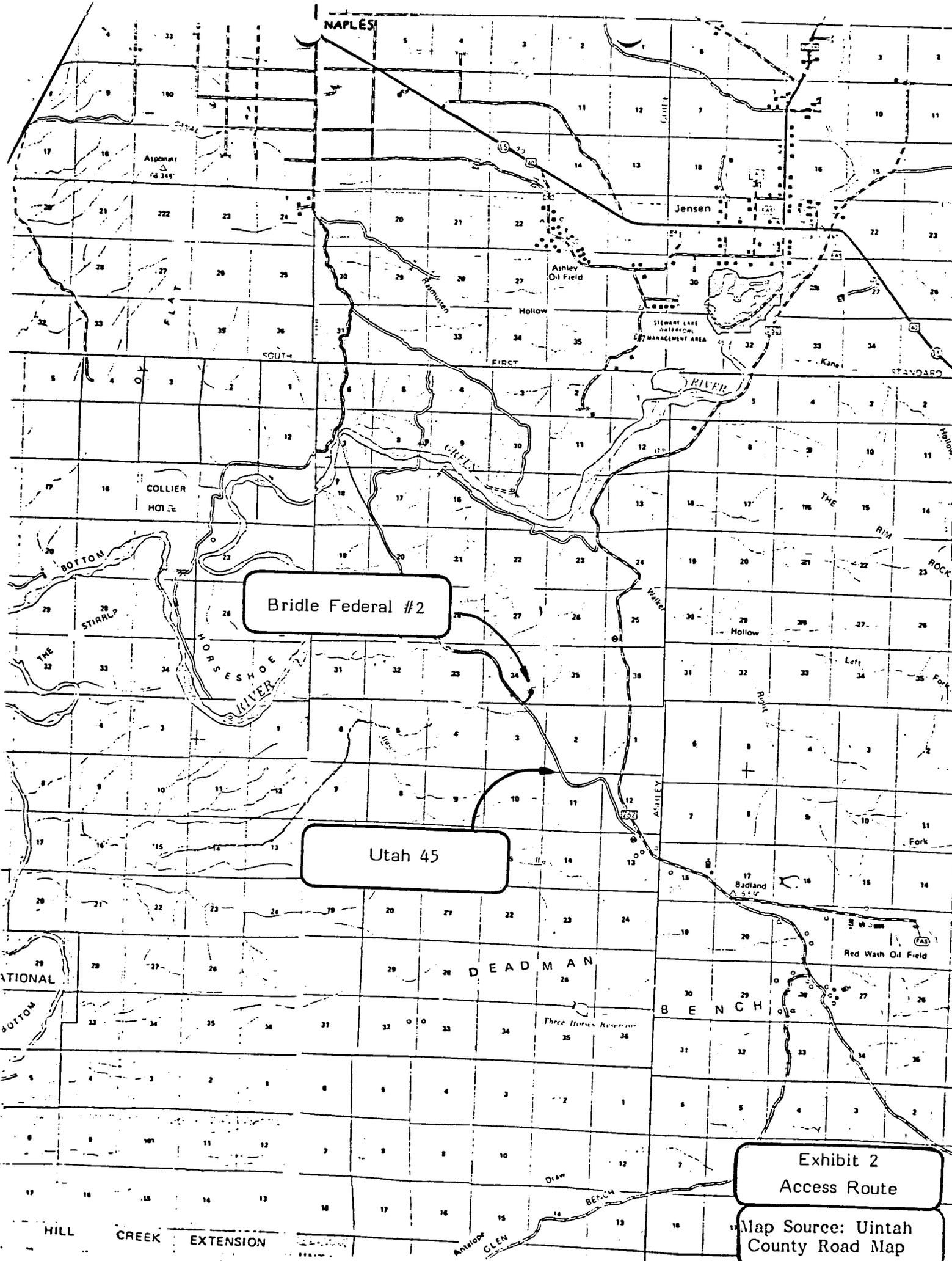


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM



Bridle Federal #2

Utah 45

Exhibit 2
Access Route

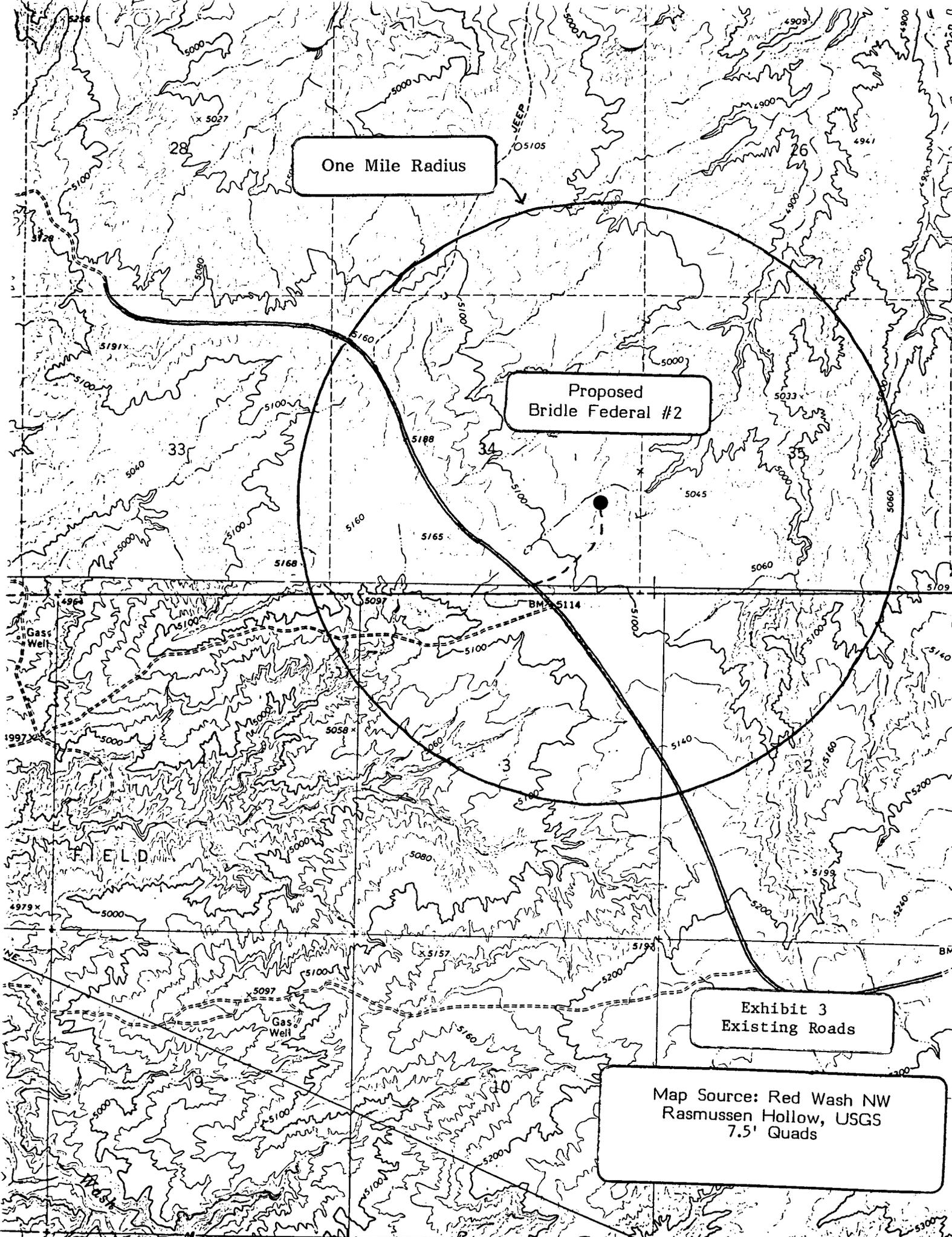
Map Source: Uintah
County Road Map

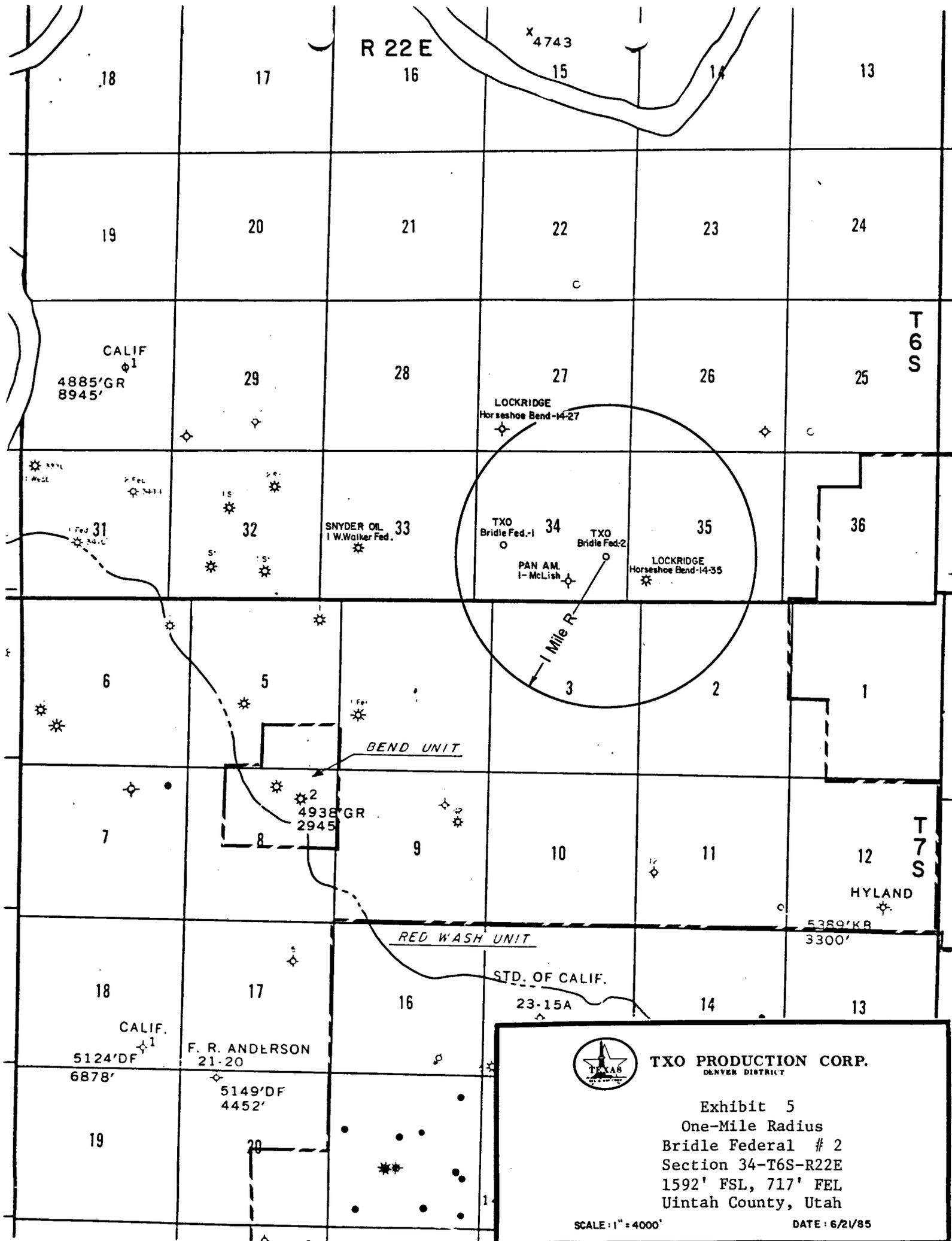
One Mile Radius

Proposed
Bridle Federal #2

Exhibit 3
Existing Roads

Map Source: Red Wash NW
Rasmussen Hollow, USGS
7.5' Quads







TXO PRODUCTION CORP.
DENVER DISTRICT

Exhibit 5
One-Mile Radius
Bridle Federal # 2
Section 34-T6S-R22E
1592' FSL, 717' FEL
Uintah County, Utah

SCALE: 1" = 4000'

DATE: 6/21/85

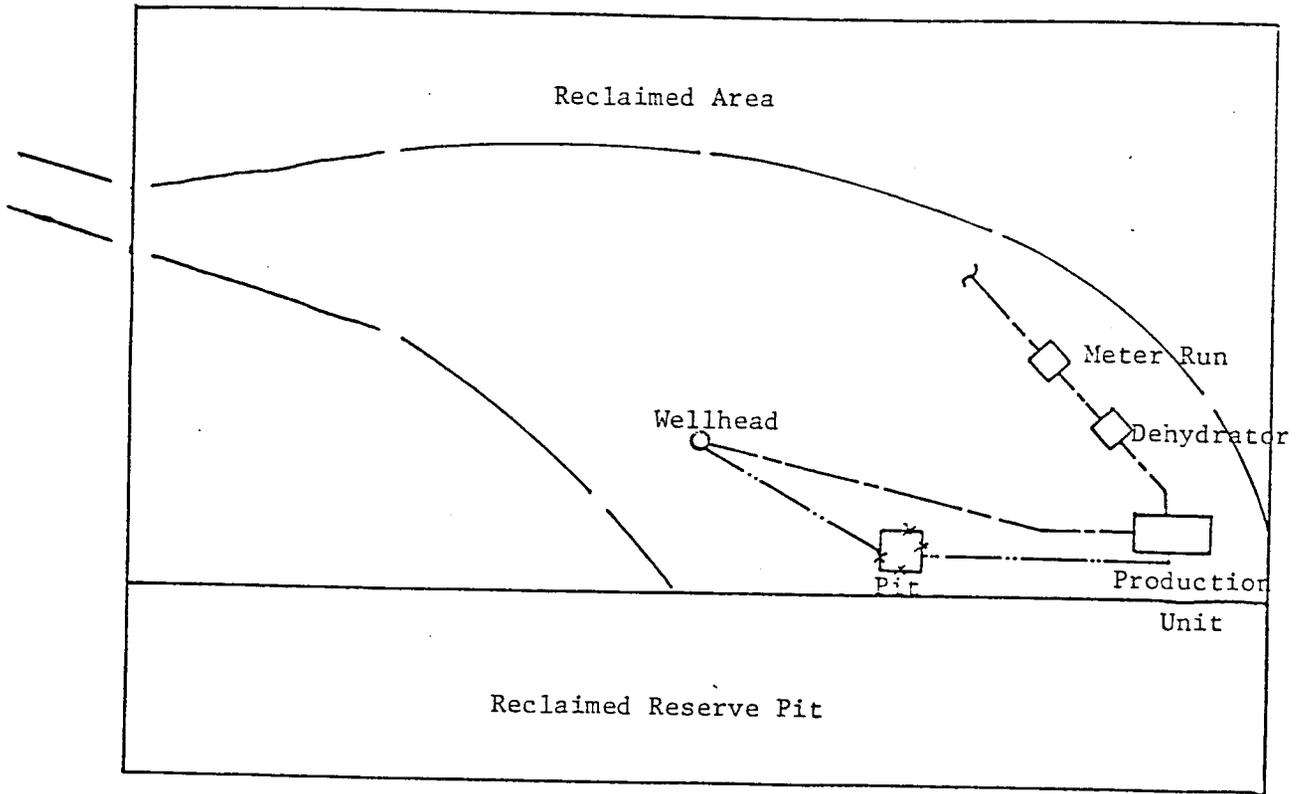


EXHIBIT 6

Scale 1" = 50'

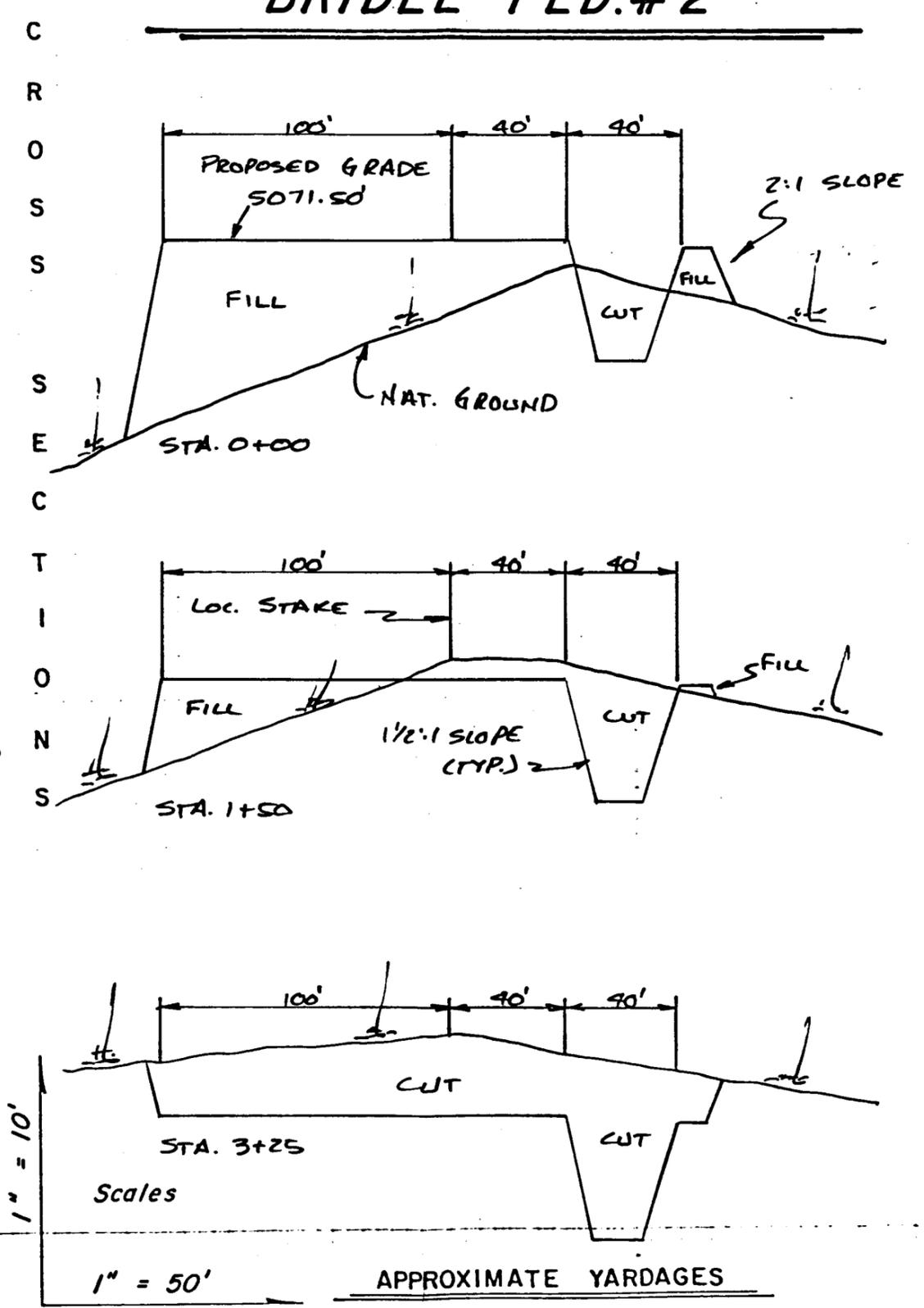
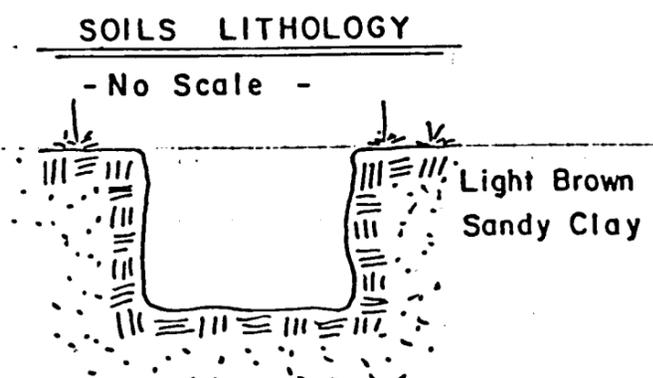
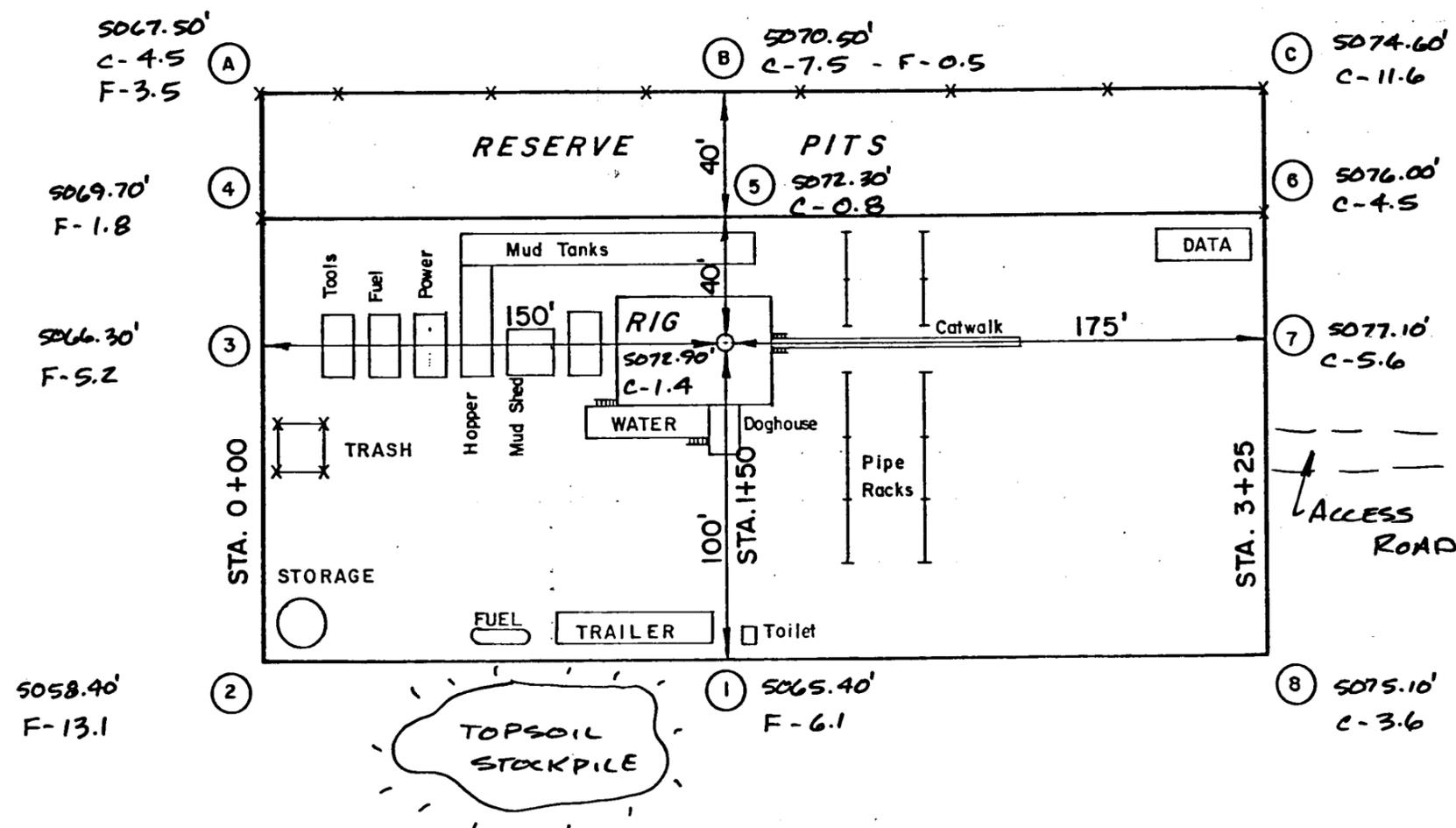
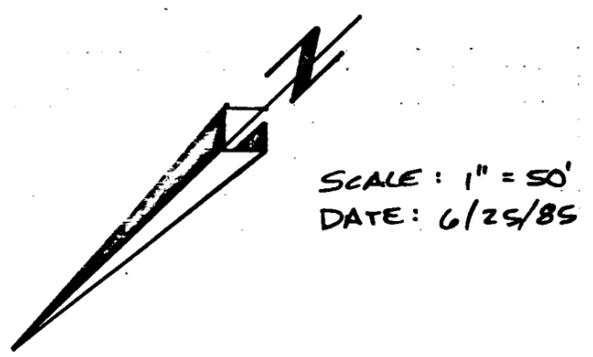
PRODUCTION FACILITIES



BRIDLE FEDERAL #2

- 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.

T.O PRODUCTION CORP. BRIDLE FED.#2



Cu. Yds. Cut - 6300
 Cu. Yds. Fill - 5600

OPERATOR TXO Production Corp DATE 7-15-85

WELL NAME Bridle Federal 2

SEC NE SE 34 T 6S R 22E COUNTY Uintah

43-047-31655
API NUMBER

Prod
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

12 - Cause 145-5
Need water permit Shut in per _____
Bruce Wright
TXO

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a 145-5 6/20/85
CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1 - water
2 - In accordance with the order in Cause No. 145-5,
the well shall ~~be~~ be completed for production ~~only~~
from the ~~reservoir~~ Uinta formation only.



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 17, 1985

TXO Production Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

Attention: R. K. (Ivan) Urnovitz

Gentlemen:

Re: Well No. Bridle Federal 2 - NE SE Sec. 34, T. 6S, R. 22E
1592' FSL, 717' FEL - Uintah County, Utah

Approval to drill the above-referenced gas well is hereby granted in accordance with the Order of Cause No. 145-5 dated June 20, 1985 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.
2. In accordance with the order in Cause No. 145-5, the well shall be completed for production from the Uinta formation only.

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. Bridle Federal 2
July 17, 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 43-047-31655.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BC

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 TXO Production Corp. Attn: R.K. (Ivan) Urnovitz

3. ADDRESS OF OPERATOR
 1800 Lincoln Center Bldg. Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
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 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 Approximately 12 miles south of Vernal, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 717'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 3578'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5074' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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All casing will be new K-55



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24. SIGNED R.E. Dasher TITLE Drilling & Prod'n Manager DATE June 26, 1985
 R.E. Dasher

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Don Alford TITLE ASSOCIATE DISTRICT MANAGER DATE 08-07-85

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

21080-5M-184
BLM

RECEIVED
AUG 12 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-47866

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bridle Federal

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34-T6S-R22E S.L.B.&M.

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

RECEIVED

AUG 12 1985

DIVISION OF OIL
GAS & MINING

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company TXO Production Corporation Well No. Bridle No. 2
Location Sec. 34 T6S R22E Lease No. U-47866
Onsite Inspection Date 07-17-85

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Estimated Depth of Anticipated Water, Oil, Gas, or Minerals

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

2. Pressure Control Equipment

BOP's and choke manifold will be minimum 2,000 psi working pressure.

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

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

3. Casing Program and Auxiliary Equipment

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

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion reports shall be submitted to this office on a weekly basis.

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

6. Other Conditions for Drilling Program

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

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

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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

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

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

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

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

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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

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

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

B. THIRTEEN POINT SURFACE USE PLAN

7. Planned Access Roads

At the onsite, the start of the new access road was shifted about 500 feet south to coincide with a presently existing road for about 600 feet. It then proceeds north 500 feet and then follows the alignment proposed in the APD the remainder of the distance.

8. Location of Tank Batteries and Production Facilities

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

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

Presently, no tank batteries are anticipated at this location.

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

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

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

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

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

9. Source of Construction Material

Road surfacing and pad construction material will be obtained from sources located on lease.

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

10. Methods of Handling Waste Disposal

The reserve pit will not be lined.

Burning will not be allowed.

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

11. Well Site Layout

The reserve pit will be located as indicated.

The stockpiled topsoil will be stored near stake No. 8 just west of the proposed access road.

Access to the well pad will be from between stakes No. 7 and 8. The first 600 feet of the access road will coincide with the access road to the John P. Lockridge 14-35 well, which is presently the nearest producing well to this location.

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

12. Plans for Restoration of Surface

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

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

The BLM will be consulted for a suitable seed mixture for the reseeding of the location.

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

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

13. Other Information

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

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

A suitable cultural resource clearance has been received for the project. If any cultural resources are found during construction, all work will stop and the AO will be notified.

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

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

Craig M. Hansen (801) 247-2318
Assistant District Manager
for Minerals

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

R. Allen McKee (801) 781-1368
Petroleum Engineer

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-047-31655

NAME OF COMPANY: TXO PRODUCTION CORPWELL NAME: BRIDLE FEDERAL #2SECTION NE SE 34 TOWNSHIP 6S RANGE 22E COUNTY Uintah

DRILLING CONTRACTOR _____

RIG # _____

SPUDDED: DATE 9-14-85TIME 1:30 PMHow Air RigDRILLING WILL COMMENCE 9-16-85 - 7:00 PM - Olsen Drilling Rig #5REPORTED BY Matt HoldemanTELEPHONE # 303-861-4246DATE 9-16-85 SIGNED SB

REPORT NO.
13306F

PAGE NO. 1

TEST DATE:
24-SEP-85

WELL PERFORMANCE

TESTING™ REPORT

A Production System Analysis (NODAL™)
Based On Model Verified™ Interpretation

FLOPETROL JOHNSTON

Schlumberger

RECEIVED

Company: TXO PRODUCTION CORP.

Well: BRIDLE FED. #2 SEP 30 1985

TEST IDENTIFICATION

Test Type OPEN HOLE DST
Test No. 2
Formation
Test Interval (ft) 2948 - 2962
Reference Depth KELLY BUSHING

WELL LOCATION

Field DIVISION OF OIL
County GASBOROUGH
State UTAH
Sec/Twp/Rng S34T10SR22E
Elevation (ft)

HOLE CONDITIONS

Total Depth (MD/TUD) (ft) 3436/3436
Hole Size (in) 7.875
Casing/Liner I.D. (in)
Perf'd Interval/Net Pay (ft).. --/5
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type LSND
Mud Weight (lb/gal) 9.0
Mud Resistivity (ohm.m) 1.45 @ 69 DEG.F
Filtrate Resistivity (ohm.m).. 0.25 @ 70 DEG.F
Filtrate Chlorides (ppm) 4000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 1441.6
Gas Cushion Type NONE
Surface Pressure (psi) --
Liquid Cushion Type NONE
Cushion Length (ft) --

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 2293.9/3.34
Collar Length (ft)/I.D. (in).. 605/2.25
Packer Depths (ft) 2948 & 2962
Bottomhole Choke Size (in) ... 15/16
Gauge Depth (ft)/Type 2918/MECHANICAL

NET PIPE RECOVERY

Volume	Fluid Type	Properties
0.6 BBLS	MUD	TOP: 4800 PPM CL. BTM: 5500 PPM CL.

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
2.11 SCF	GAS	.65 GRAU.

Pressure: 275 GOR: -- GLR: --

INTERPRETATION RESULTS

Model of Behavior HOMOGENEOUS
Fluid Type Used for Analysis . GAS
Reservoir Pressure (psi) 1245
Transmissibility (md.ft/cp) .. 14649.81
Effective Permeability (md) .. 37.65
Skin Factor/Damage Ratio -1.74
Storage Ratio
Interporosity Flow Coeff.
Distance to an Anomaly (ft) ..
Radius of Investigation (ft).. 504
Potentiometric Surface (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity 0.650
Water Cut (%)
Viscosity (cp) 1.285E-02
Total Compressibility (1/psi). 1.02E-03
Porosity (%) 17
Reservoir Temperature (F) 100
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: 2.87 MMSCF/DAY

MAXIMUM PRODUCTION RATE POTENTIAL

1.8 MMSCF/DAY

COMMENTS:

MAXIMUM RATE AFTER 180 DAYS PRODUCTION THRU 4 1/2" CSG., WITH WELLHEAD PRESSURE OF 200 PSI, AND 8 SPF, UNDERBALANCED PERFORATING CONDITIONS.



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**

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

Re: Bridle Federal #2
Sec. 34-T6S-R22E
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 #9-331 (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 or plug back into a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

OCT 03 1985

2. NAME OF OPERATOR
TXO Production Corp.

DIVISION OF OIL

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

GAS & MINING

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1592' FSL & 717' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other) Spud

(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 Bridle Federal #2 at 1:30 PM on 9/14/85. The spud was made by Leon Ross Drilling who drilled a 12-1/4" hole to 335' and set 300' of 8-5/8" surface casing. The drilling contractor is Olsen Drilling Rig #5 which moved in and commenced drilling on 9/16/85. The spud was reported verbally to Berna in the Vernal, Utah BLM office at 3:55 PM on 9/16/85 and to Cindy at the State of Utah at 4:00 PM on 9/16/85.

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

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

SIGNED Matthew C. Holdeman TITLE Petroleum Engineer DATE September 24, 1985
Matthew C. Holdeman

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

October 4, 1985

RECEIVED

OCT 09 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: Bridle Federal #2
Sec. 34-T6S-R22E
Uintah County, Utah

Gentlemen:

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

9

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other **OCT 09 1985**

2. NAME OF OPERATOR
TXO Production Corp.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface
1592' FSL & 717' FEL NE SE
 At top prod. interval reported below
 At total depth

14. PERMIT NO. **43-047-31655** DATE ISSUED **8/7/85**

5. LEASE DESIGNATION AND SERIAL NO.
U-47866

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bridle Federal

9. WELL NO.
#2

10. FIELD AND POOL, OR WILDCAT
Undesignated Horseshoe Bend

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA
Sec. 34-T6S-R22E

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

15. DATE SPUNDED **9/14/85** 16. DATE T.D. REACHED **9/20/85** 17. DATE COMPL. (Ready to prod.) **9/30/85** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **KB 5087'** 19. ELEV. CASINGHEAD **5074'**

20. TOTAL DEPTH, MD & TVD **3436'** 21. PLUG, BACK T.D., MD & TVD **3057'** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY **Rotary** ROTARY TOOLS **All** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
2948-2958' Uinta "B" 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **SP-GR-DIL, DC-CNL-GR-CAL GRC** 27. WAS WELL CORED **No**

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.0	300'	12-1/4"	100 sxs 50/50 poz w/ 40 sxs Class "G"	
4-1/2"	10.5#	3110'	7-7/8"	350 sxs Class "G"	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
**2948-2958' 2 JSPF
Total of 21-0.36" dia holes**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) **SGW**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/29/85	6	1/2"	→	0	957.5	0	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	600#	→	0	3830	0	-	-

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

35. LIST OF ATTACHMENTS
Well History ✓

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

SIGNED Matthew C. Holdeman TITLE **Petroleum Engineer** DATE **10/03/85**

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

251029

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

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

37. SUMMARY OF PORE'S ZONES: SHOW ALL INTERVAL ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Uinta "B"	3160	3174	DST #1 (30-60-60-120) Tool failed during shut-in periods. Recovered 1500' water, BHSC 0.585 cu ft gas & 1900 cc water.
Uinta "B"	2948	2962	DST #2 (30-60-60-120) IHHP 1418#, IFF 504-967#, ISIP 1198#, FFP 611-961#, FSIP 1198#, FHP 1412#. Rec dry gas. BHSC 2.109 cu ft gas @ 275#
			TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH
			Uinta Uinta "B" Green River
			Surface 2920' 3279'
			Surface 2920' 3279'

WELL NAME: Bridle Federal #2
AREA: Horseshoe Bend
LOCATION: Sec. 34-T6S-R22E
COUNTY: Uintah
STATE: Utah
FOOTAGE: 1592' FSL, 717' FEL

PTD: 3500'
ELEVATIONS: 5087' KB, 5074' GL
CONTRACTOR: Olsen
AFE NUMBER: 852527
LSE NUMBER: 76585
TXO WI: 75%

*****RECEIVED*****

APCOT FINADEL JOINT VENTURE
P.O. Box 2159
Dallas, Texas 75221
Attn: Houston Welch
Phone No: (214) 750-2400

Weekly Mail

OCT 09 1985

DIVISION OF OIL
GAS & MINING

- 09/15/85 335' (335'), RU to run 8-5/8" csg. Uintah. MIRU Leon Ross Drlg. Spudded 12-1/4" hole @ 1:30 PM 9/14/85. TD 12-1/4" hole. SDFN. CW: 5200. DD 1.
- 09/16/85 335' (0'), MIRU Olsen Rig #5. Uintah. RU Leon Ross. RIH w/ 7 jts 8-5/8", 24#, J-55, ST&C csg (300'). RU Dowell. Pumped 15 bbls of gelled wtr & 23 bbls of wtr. Cmtd w/ 100 sxs of 50/50 poz w/ 2% gel, 2% KCl, 1/4#/sx celloflake. Tail w/ 40 sxs of Cl "G" w/ 2% gell, 2% KCl, 1/4#/sx celloflake. PD @ 4:30 PM. BP @ 500#. Float held. Full Returns. SDFN. DW: 7600. CW: 12,800. DD 2.
- 09/17/85 835' (535'), drlg. Uintah. Native. 0° @ 405'. Finish MI & RU Olsen Rig #5. Start TIH & PU 20 DC's. Test BOP to 2000# for 15 min. Held OK. Drl'd FC & shoe. Survey @ 405'. Drl'd ahead to 835'. No hole problems. DW: 9500. CW: 22,300. DD 3.
- 09/18/85 2018' (1183'), drlg. Uintah. 8.9, 28. 1° @ 886'. 1° @ 1300'. 1° @ 1801'. Drl'd from 835' to 2018'. No hole problems or tight connections. DW: 20,910. CW: 43,210. DD 4.
- 09/19/85 2858' (840'), drlg. Uintah. 8.8, 41, 10.8, 10. 2° @ 2286'. 2-1/2° @ 2792'. Drl'd from 2018' to 2816'. Mud up. Drl'd from 2816' to 2858'. No shows. DW: 11,600. CW: 54,870. DD 5.
- 09/20/85 3318' (460'), survey. Uinta "B". 8.9, 40, 8.6, 10. Drl'd from 2858' to 3318'. No hole problems. Having problems w/ survey tool. Misrun @ 3286' & 3318'. Drlg breaks: 2874-2878', 3-1-4 MPF, 2-12-2 units gas; 3166-3180', 6-0.5-7 MPF, 2-10-2 units gas. Fm top Uinta "B" @ 2952'. DW: 9400. CW: 64,270. DD 6.
- 09/21/85 3436' (118'), TOO H for logs. Green River. 9.0, 51, 8.2, 10. 10-1/2° @ 3307'. 12° @ 3436'. Drl'd from 3318' to 3436'. TD @ 3:15 PM on 9/20/85. Circ & cond. ST 7 stds. TIH to btm. No fill. Circ & cond for logs. TOO H. RU Gearhart. RIH w/ logging tool. Hit bridge @ 2610'. POOH. TIH w/ drl string. Hit bridge @ approx 2600'. TIH to 3000' & hit 2nd bridge. Wash & ream 160'. Finish TIH. Circ & cond. TOO H for logs. Drlg breaks: 3358-3362', 3.5-1-1-3.5 MPF, 1.5-10-1.5 units gas. Fm top Green River @ 3352'. DW: 6590. CW: 70,860. DD 7.
- 09/22/85 3436' (0'), prep to open DST #1. Green River. 9.1, 60, 8.4, 10. Finish TOO H. RU Gearhart. RIH to log. Loggers TD 3411' (25' of fill). Run logs. RD Gearhart. TIH to circ & cond. Raise visc. ST 11 stds. No drag & no fill. TIH. Circ & cond. TOO H for DST #1. PU DST #1 & start TIH. Set DST tools to test 3160-3174'. DW: 14,330. CW: 85,190. DD 8.
- 09/23/85 3436' (0'), TIH to circ & cond for running csg. Green River. 9.2, 6.1, 8, 10. Run DST #1 (3160-3174') Uinta "B". IFP, TO w/ 145# on a 1/8" ch (50 MCFD). Slowly increased to 180# (60 MCFD) @ end of flow period. FFP, TO w/ 180# on 1/8" ch (60 MCFD) throughout period. Rec 1500' wtr. Test was unsuccessful. (Rec incomplete data for DST #1.) Valve not closing during SI periods so SI pressures invalid. Rest of DST is OK. TOO H & LD DST #1. PU & TIH w/ DST #2 (2948-2962'), Uinta "B". Set sidewall hook & pkrs. Run DST #2. IFP, TO w/ blow to btm of bucket. Put on 3/8" ch (2 min) 275# - 916 MCFD, (9 min) 900# -

WELL NAME:	Bridle Federal #2	PTD:	3500'
AREA:	Horseshoe Bend	ELEVATIONS:	5087' KB, 5074' GL
LOCATION:	Sec. 34-T6S-R22E	CONTRACTOR:	Olsen
COUNTY:	Uintah	AFE NUMBER:	852527
STATE:	Utah	LSE NUMBER:	76585
FOOTAGE:	1592' FSL, 717' FEL	TXO WI:	75%

- 09/23/85 2996 MCFD, (15 min) 840# - 2797 MCFD, (24 min) 830# - 2763 MCFD, (33 min) close tool. FFP, TO w/ 200# on 3/8" ch 666 MCFD, (6 min) 810# - 2697 MCFD, (17 min) 830# - 2763 MCFD, (22 min) 840# - 2797 MCFD. Rec dry gas (no wtr). IHHP 1418#, (30 min) 504-967#, (60 min) ISIP 1198#, (60 min) FFP 611-961#, (120) FSIP 1198#, FHHP 1412#. BHSC @ 275# 2.109 cu ft gas. Test was successful. TOOH & LD tools. PU bit & TIH to circ & cond for running csg. DW: 10,200. CW: 95,390.
- 09/24/85 3436' (0'), RR @ 7 PM 9/23/85. Green River. Finished TIH. Circ & cond. TOOH & LD DP & DC. RU J West Casers. RIH w/ 76 jts 4-1/2", 10.5#, K-55, ST&C, 8rd, Cond-A csg (3110'). RD casers. RU Dowell & cmtd w/ 350 sxs Cl "G" w/ 3% KCl, 0.5% turbelence inducer, & 1/4# celloflake. RD Dowell. ND BOP. Set slips w/ 32,000#. Dump pits. RR @ 7 PM 9/23/85. Complete DST results are as follows: DST #1 3160-3174', Uinta "B". IFP, bypass malfunctioned. Had a short flow w/ 180# on a 1/8" ch (60 MCFD). FFP, bypass malfunctioned. Rec 1500' wtr. IHHP 1538#, (30 min) IFP 152-504#, (60 min) ISIP 1073#, (60 min) 374-715#, (120 min) FSIP 1078#, FHHP 1538#. BHSC @ 320#, 0.5849 cu ft gas, 1900 cc wtr. (20 BW/MCF gas.) Test was unsuccessful. DST #2 2948-2962, Uinta "B". IFP, TO w/ blow to btm of bucket. Put on 3/8" ch. (2 min) 275-916 MCFD, (9 min) 900# - 2996 MCFD, (15 min) 840# - 2797 MCFD, (24 min) 830# - 2763 MCFD, (33 min) close tool. FFP, TO w/ 200# on 3/8" ch (666 MCFD), (6 min) 810# - 2697 MCFD, (17 min) 830# - 2763 MCFD, (22 min) 840# - 2797 MCFD, (47 min) 820# - 2730 MCFD. Rec dry gas (no wtr). IHHP 1418#, (30 min) IFP 504-967#, (60 min) ISIP 1198#, (60 min) FFP 611-961#, (120 min) FSIP 1198#, FHHP 1412. BHSC @ 275#, 2.109 cu ft gas. Test was successful. Drop from report until completion begins. DW: 10,200. CW: 95,390.
- 09/29/85 3057' PBTD, MI & RU CT. Weld on 4-1/2" belled nipple. Install tbg head & NU BOP. RU Go. RIH w/ 3-7/8" gauge ring to 3057'. RIH w/ GR-CCL, correlate w/ open hole logs. PT WH to 2000#. All held. RU & RIH, w/ swab. Swab FL to 2250'. RU & RIH w/ 3-1/8" csg gun perf 4-1/2" csg from 2948-2958' 2 JSPF, 3 shots did not fire (2950.50', 51.5, 52.5). Had 900# in 3 min. RD Go. NU tree ch. Opened well on 1/2" ch. Flowed for 1 hr. Had 700# on 1/2" FARO 4.459 MMCFD dry gas. SWI. SDFN. DW: 10,910.
- 09/30/85 3057' PBTD, 10 hrs SITP 1155#. Opened well on 1/2" ch. 6 hr stabilized rate: 600# FCP, 3.83 MMCFD dry gas. SWI. SDFN. DW: 750. CW: 11,660.
- 10/01/85 3057' PBTD, SICP 1155#. Strip in donut w/ BP valve. ND BOP. NU tree. Remove BP valve. RD. RR @ 10 AM 9/30/85. IP flowing Uinta "B" gas well. FARO 3.83 MMCFD dry gas against 600# FCP. Drop from report until first sales. DW: 1500. CW: 144,705.

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OCT 09 1985

DIVISION OF OIL
GAS & MINING

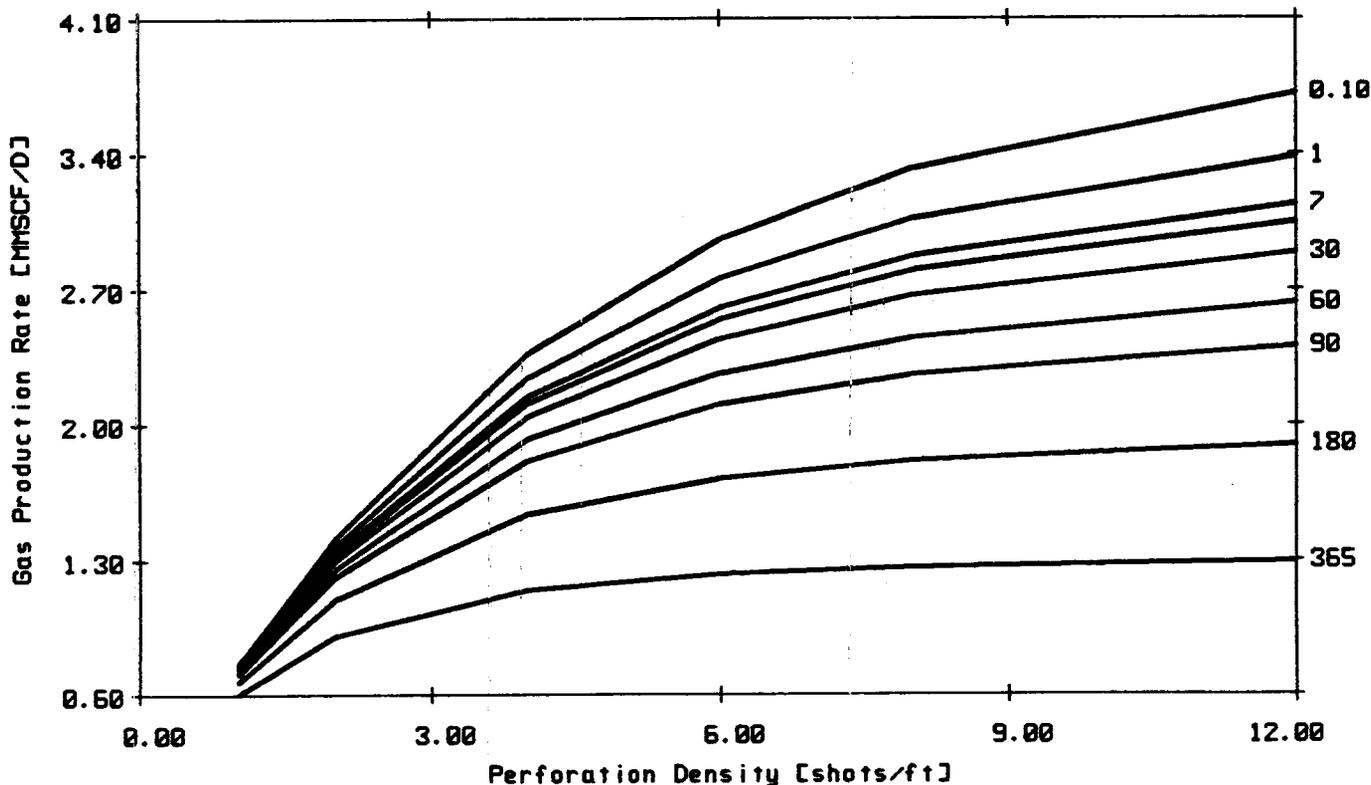
WELL TEST INTERPRETATION REPORT #:13306F		PAGE: 2.
CLIENT : TXO PRODUCTION CORP.		24-SEP-85
REGION :MID-CONT.	SENSITIVITY ANALYSIS Rate vs. SPF (vs. Time) 320 ACRES SPACING	Field:
DISTRICT:UERNAL		Zone :
BASE :DENVER		Well :BRIDLE FED. #2
Engr :D. HALLFORD		Location:

Reservoir Pressure: 1246 psi
Permeability: 37.7 md
Net Thickness: 5.00 ft

Liquid/Gas Ratio: 0.0 STB/MMSCF
Tubing Size: 4.050 in (id)
Wellhead Pressure: 200.0 psi

Perforated Interval: 5.00 ft
Perforation Diameter: 0.380 in
Perforation Length : 10.0 in

Crushed Zone Permeability: 15.1 md
Crushed Zone Thickness : 0.380 in

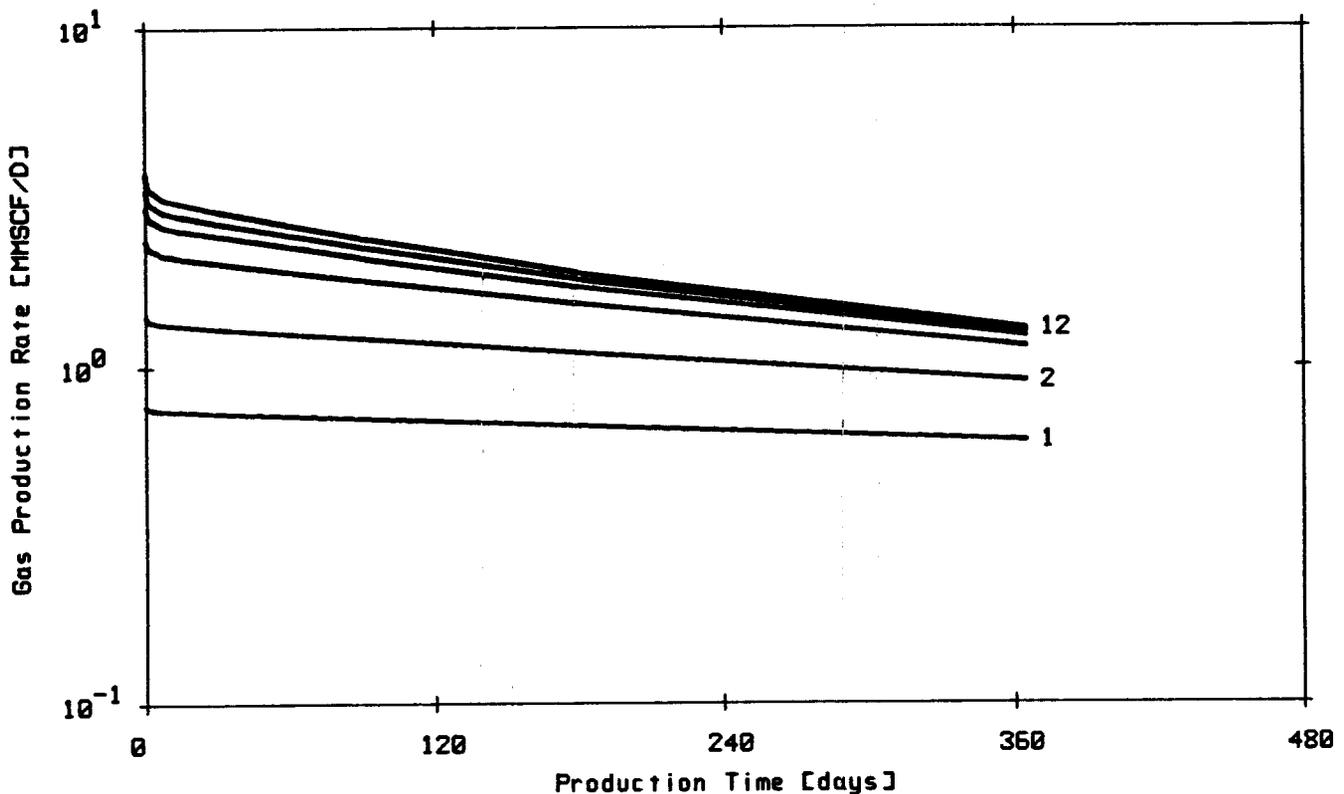


Production Rate vs. Perforation Density, Transient Conditions
0.10 to 365 days : 320 ACRES SPACING

WELL TEST INTERPRETATION REPORT #: 13306F		PAGE: 3,
CLIENT : TXO PRODUCTION CORP.		24-SEP-85
REGION : MID-CONT.	SENSITIVITY ANALYSIS Rate vs. Time (vs. SPF) 320 ACRES SPACING	Field:
DISTRICT: UERNAL		Zone :
BASE : DENVER		Well : BRIDLE FED. #2
Engr : D. HALLFORD		Location:

Reservoir Pressure: 1246 psi Liquid/Gas Ratio: 0.0 STB/MMSCF
 Permeability: 37.7 md Tubing Size: 4.050 in (id)
 Net Thickness: 5.00 ft Wellhead Pressure: 200.0 psi

 Perforated Interval: 5.00 ft Crushed Zone Permeability: 15.1 md
 Perforation Diameter: 0.380 in Crushed Zone Thickness : 0.380 in
 Perforation Length : 10.0 in

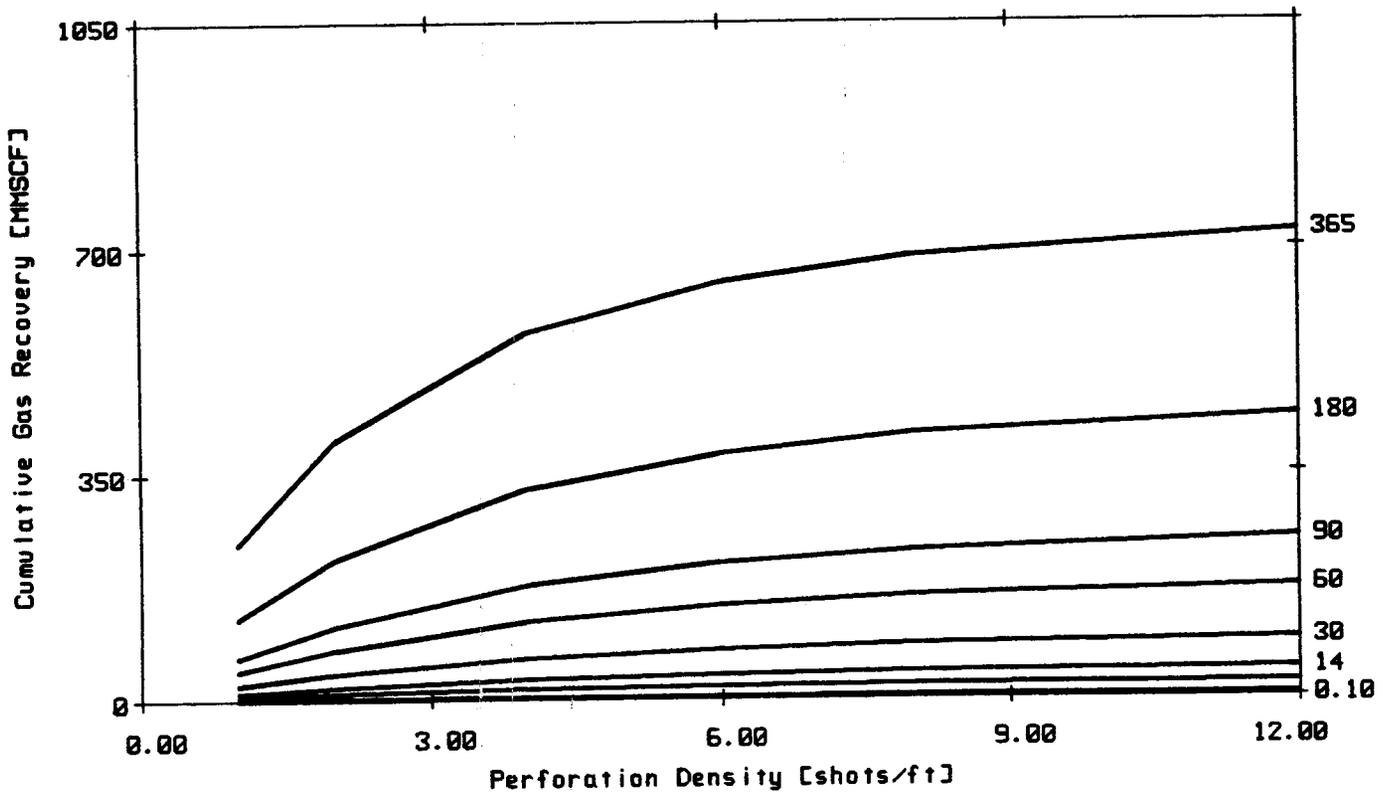


Effect of Time on Production Rate, for Perforation Densities from 1 to 12 shots/ft : 320 ACRES SPACING

WELL TEST INTERPRETATION REPORT #:13306F		PAGE: 4,
CLIENT : TXO PRODUCTION CORP.		24-SEP-85
REGION :MID-CONT.	SENSITIVITY ANALYSIS Recovery vs. SPF (vs. Time) 320 ACRES SPACING	Field:
DISTRICT:UERNAL		Zone :
BASE :DENUER		Well :BRIDLE FED. #2
Engr :D. HALLFORD		Location:

Reservoir Pressure: 1246 psi Liquid/Gas Ratio: 0.0 STB/MMSCF
 Permeability: 37.7 md Tubing Size: 4.050 in (id)
 Net Thickness: 5.00 ft Wellhead Pressure: 200.0 psi

 Perforated Interval: 5.00 ft Crushed Zone Permeability: 15.1 md
 Perforation Diameter: 0.380 in Crushed Zone Thickness : 0.380 in
 Perforation Length : 10.0 in



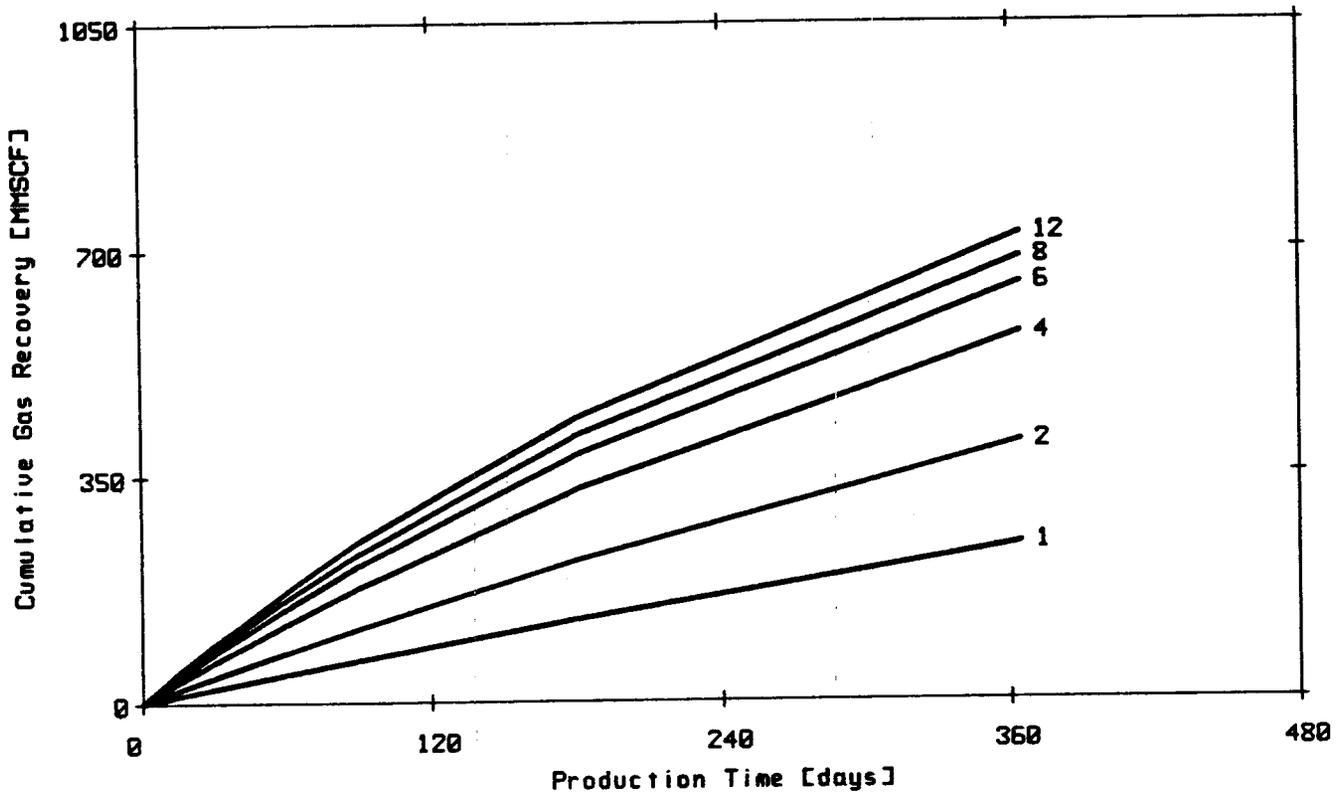
Cumulative Recovery vs. Perforation Density, Transient Conditions
0.10 to 365 days : 320 ACRES SPACING

FLOPETROL JOHNSTON
SCHLUMBERGER

WELL TEST INTERPRETATION REPORT #:13306F		PAGE: 5, 24-SEP-85
CLIENT : TXO PRODUCTION CORP.		Field:
REGION :MID-CONT.	SENSITIVITY ANALYSIS Recovery vs. Time (vs. SPF) 320 ACRES SPACING	Zone :
DISTRICT:UERNAL		Well :BRIDLE FED. #2
BASE :DENUER		Location:
Engr :D. HALLFORD		

Reservoir Pressure: 1246 psi Liquid/Gas Ratio: 0.0 STB/MMSCF
 Permeability: 37.7 md Tubing Size: 4.050 in (id)
 Net Thickness: 5.00 ft Wellhead Pressure: 200.0 psi

 Perforated Interval: 5.00 ft Crushed Zone Permeability: 15.1 md
 Perforation Diameter: 0.380 in Crushed Zone Thickness : 0.380 in
 Perforation Length : 10.0 in



Effect of Time on Cumulative Recovery, for Perforation Densities from 1 to 12 shots/ft : 320 ACRES SPACING

WELL TEST INTERPRETATION REPORT #:13306F		PAGE: 6.
CLIENT : TXO PRODUCTION CORP.		24-SEP-85
REGION :MID-CONT.	SENSITIVITY ANALYSIS Input Data Summary 320 ACRES SPACING	Field:
DISTRICT:UERNAL		Zone :
BASE :DENUER		Well :BRIDLE FED. #2
Engr :D. HALLFORD		Location:

Production Time [days]

0.10	1.0	7.0	14.0	30.0
60.0	90.0	180.0	365.0	

Perforation Density [shots/ft]

1.0	2.0	4.0	6.0	8.0
12.0				

ISS Report Pages & Data Records

Production Rate vs. SPF (vs. Time) ...	ISS Report Page 2 ;	Data Record 19
Production Rate vs. Time (vs. SPF) ...	ISS Report Page 3 ;	Data Record 20
Cumulative Recovery vs. SPF (vs. Time) ...	ISS Report Page 4 ;	Data Record 21
Cumulative Recovery vs. Time (vs. SPF) ...	ISS Report Page 5 ;	Data Record 22
Summary Printout ...	ISS Report Page 6	

Input Data for (SPF) Sensitivity

Produced Fluid & In-Place Fluid Information

Produced Fluid is primarily	Gas
Producing Liquid/Gas Ratio [STB/MMSCF]	0.00000E+00
Reservoir Gas Saturation [Sg, fraction]	0.7000
Reservoir Water Saturation [Sw, fraction]	0.3000
Reservoir Oil Saturation [So, fraction]	0.0000

Fluid Property Data

Water Specific Gravity	1.0700
Water Salinity [ppm]	1000.0
Gas Gravity at Standard Conditions [Air=1.0]	0.6500
Mole % CO2	0.000
Mole % H2S	0.000
Mole % N2	0.000

Flowline, Wellhead, Tubing, and Casing Data

Start at	Wellhead (no Flowline)
Wellhead Temperature [deg F]	60.00
Wellhead Pressure [psig]	200.00
Tubing Inside Diameter [inch]	4.0500
Tubing Absolute Roughness [ft]	5.00000E-05
Tubing Length [ft]	2948.0
Casing Inside Diameter [inch]	6.3360
Casing-Tubing Packer Depth [measured depth, ft]	2948.0
Total Depth [measured depth to mid-formation, ft] ...	2955.0
True Vertical Depth [to mid-formation, ft]	2955.0

Input Data for (SPF) Sensitivity

Reservoir and Near-Wellbore Data

Initial Reservoir Pressure [Pi, psia] 1246.0
Reservoir Temperature [deg F] 100.00
(Total) Permeability [k, md] 37.650
(Net Productive) Thickness [h, ft] 5.0000
Rock Type Sandstone
Porosity [fraction] 0.17000
Reservoir Area [acre] 320.00
Wellbore Radius [ft] 0.32800
Formation Skin Factor -1.740
Perforated Interval [ft] 5.0000
Perforation Diameter [inch] 0.38000
Perforation Length [inch] 10.000
Completion Type Open Perf's
Crushed Zone Thickness [inch] 0.38000
Crushed Zone Permeability [md] 15.060

Reservoir Total (Equivalent Single-Phase) Properties

Total Gas Gravity [Air=1.0] 0.65000
Total Compressibility [1/psi] 1.02000E-03
Wellbore Storage Factor [bbl/psi] 0.00000E+00

Sensitivity Parameter Values

Production Time [days]

0.1000	1.000	7.000	14.00	30.00
60.00	90.00	180.0	365.0	

Perforation Density [shots/ft]

1.000	2.000	4.000	6.000	8.000
12.00				

INTAKE Flowrate Range 10 Uneven-Spaced Rates
INTAKE Minimum Gas Rate [MMSCF/D] 1.00000E-02
INTAKE Maximum Gas Rate [MMSCF/D] 10.000

Time and Date

Option Execution began 13:44:20 on 24-SEP-85
Data Input required 0 min 58 sec
Data Generation required 0 min 27 sec
Option Execution completed 13:45:45 on 24-SEP-85
Input & Output Page(s) completed 13:49:07 on 24-SEP-85

DST EVENT SUMMARY

DATE (M/D/Y)	TIME (HR:MIN)	EVENT E.T. (MIN)	EVENT DESCRIPTION	LABEL PT. #	SURFACE PRESSURE (PSIG)	FLOOR MANIFOLD CHOKE SIZE (64ths INCH)
9/22/85	1850	—	SET PACKER	1		
	1851	—	OPENED TEST TOOL FOR INITIAL FLOW	2		
	1901		CHANGED CHOKE	3	880.	3/8"
	1920				830.	"
	1924	—	CLOSED TEST TOOL FOR INITIAL SHUT-IN	4		"
	2024		FINISHED SHUT-IN	5		"
	2028	—	OPENED TEST TOOL FOR FINAL FLOW	6		"
	2029				200.	"
	2033				750.	"
	2035				820.	"
	2045		2.87 MMSCF/DAY = GAS RATE		830.	"
	2115				820.	"
	2128	—	CLOSED TEST TOOL FOR FINAL SHUT-IN	7		"
	2345	—	FINISHED FINAL SHUT-IN	8		"
	2345	—	UNSEATED PACKER	9		—
		—	REVERSED OUT			
		—	BEGAN TRIP OUT OF HOLE			

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 13306F

COMPANY : TXO PRODUCTION CORP

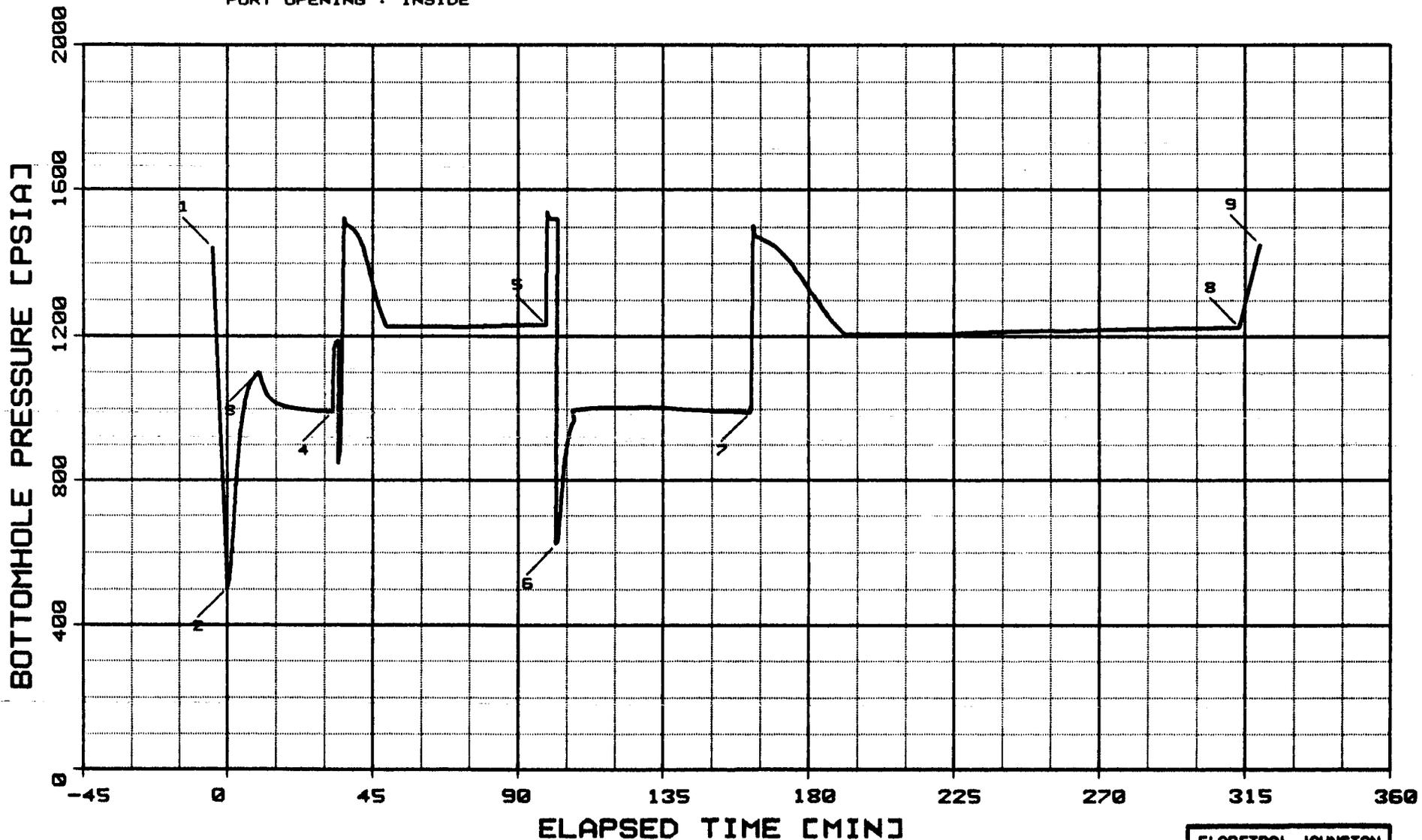
INSTRUMENT NO. 1043

WELL : BRIDLE FED #2

DEPTH : 2918 FT

CAPACITY : 2800 PSI

PORT OPENING : INSIDE



 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 13306F

COMPANY : TXO PRODUCTION CORP
 WELL : BRIDLE FED #2

INSTRUMENT # : 1043
 CAPACITY [PSI] : 2800.
 DEPTH [FT] : 2918.0
 PORT OPENING : INSIDE
 TEMPERATURE [DEG F] : 100.0

LABEL POINT INFORMATION

#	TIME OF DAY		DATE	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE
	HH:MM:SS	DD-MM				PRESSURE PSIA
1	18:46:29	22-SP	HYDROSTATIC MUD	-4.51	1441.6	
2	18:51: 1	22-SP	START FLOW	0.01	502.6	
3	19: 0:58	22-SP	CHANGED CHOKE	9.97	1100.7	
4	19:23:37	22-SP	END FLOW & START SHUT-IN	32.61	990.2	
5	20:29:39	22-SP	END SHUT-IN	98.65	1229.6	
6	20:32:47	22-SP	START FLOW	101.79	621.5	
7	21:33:16	22-SP	END FLOW & START SHUT-IN	162.26	990.0	
8	0: 4:14	23-SP	END SHUT-IN	313.23	1223.3	
9	0:10:33	23-SP	HYDROSTATIC MUD	319.55	1450.1	

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.01	32.61	32.60	502.6	990.2
2	101.79	162.26	60.47	621.5	990.0

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	32.61	98.65	66.04	990.2	1229.6	990.2	32.60
2	162.26	313.23	150.97	990.0	1223.3	990.0	93.07

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
18:51: 1	22-SP	0.01	0.00	502.6
18:56: 1	22-SP	5.01	5.00	991.1
19: 1: 1	22-SP	10.01	10.00	1100.0
19: 6: 1	22-SP	15.01	15.00	1016.1
19:11: 1	22-SP	20.01	20.00	1001.1
19:16: 1	22-SP	25.01	25.00	995.3
19:21: 1	22-SP	30.01	30.00	991.7
19:23:37	22-SP	32.61	32.60	990.2

TEST PHASE : SHUTIN PERIOD # 1
 FINAL FLOW PRESSURE [PSIA] = 990.2
 PRODUCING TIME [MIN] = 32.60

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNERS TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
19:23:37	22-SP	32.61	0.00	990.2	0.0	
19:24:37	22-SP	33.61	1.00	1180.4	190.2	1.526
19:25:37	22-SP	34.61	2.00	868.3	-121.8	1.238
19:26:37	22-SP	35.61	3.00	1209.9	219.7	1.074
19:27:37	22-SP	36.61	4.00	1509.9	519.8	0.961
19:28:37	22-SP	37.61	5.00	1501.1	510.9	0.876
19:29:37	22-SP	38.61	6.00	1494.5	504.3	0.808
19:30:37	22-SP	39.61	7.00	1486.0	495.8	0.753
19:31:37	22-SP	40.61	8.00	1473.0	482.8	0.705
19:32:37	22-SP	41.61	9.00	1454.1	464.0	0.665
19:33:37	22-SP	42.61	10.00	1426.8	436.6	0.629
19:35:37	22-SP	44.61	12.00	1357.5	367.4	0.570
19:37:37	22-SP	46.61	14.00	1289.4	299.3	0.522
19:39:37	22-SP	48.61	16.00	1238.1	248.0	0.483
19:41:37	22-SP	50.61	18.00	1225.3	235.1	0.449
19:43:37	22-SP	52.61	20.00	1225.3	235.1	0.420
19:45:37	22-SP	54.61	22.00	1225.3	235.1	0.395
19:47:37	22-SP	56.61	24.00	1225.3	235.1	0.373
19:49:37	22-SP	58.61	26.00	1225.3	235.1	0.353
19:51:37	22-SP	60.61	28.00	1225.3	235.1	0.335
19:53:37	22-SP	62.61	30.00	1225.3	235.1	0.319
19:58:37	22-SP	67.61	35.00	1225.2	235.0	0.286
20: 3:37	22-SP	72.61	40.00	1224.2	234.1	0.259
20: 8:37	22-SP	77.61	45.00	1225.4	235.3	0.237
20:13:37	22-SP	82.61	50.00	1226.7	236.6	0.218
20:18:37	22-SP	87.61	55.00	1228.3	238.1	0.202
20:23:37	22-SP	92.61	60.00	1229.4	239.3	0.188
20:28:37	22-SP	97.61	65.00	1229.6	239.5	0.177
20:29:39	22-SP	98.65	66.04	1229.6	239.5	0.174

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
20:32:47	22-SP	101.79	0.00	621.5
20:37:47	22-SP	106.79	5.00	956.2
20:42:47	22-SP	111.79	10.00	999.9
20:47:47	22-SP	116.79	15.00	1002.3
20:52:47	22-SP	121.79	20.00	1002.3
20:57:47	22-SP	126.79	25.00	1002.6
21: 2:47	22-SP	131.79	30.00	1002.5
21: 7:47	22-SP	136.79	35.00	1000.3
21:12:47	22-SP	141.79	40.00	996.8
21:17:47	22-SP	146.79	45.00	994.1
21:22:47	22-SP	151.79	50.00	991.2
21:27:47	22-SP	156.79	55.00	990.0
21:32:47	22-SP	161.79	60.00	987.6
21:33:16	22-SP	162.26	60.47	990.0

TEST PHASE : SHUTIN PERIOD # 2

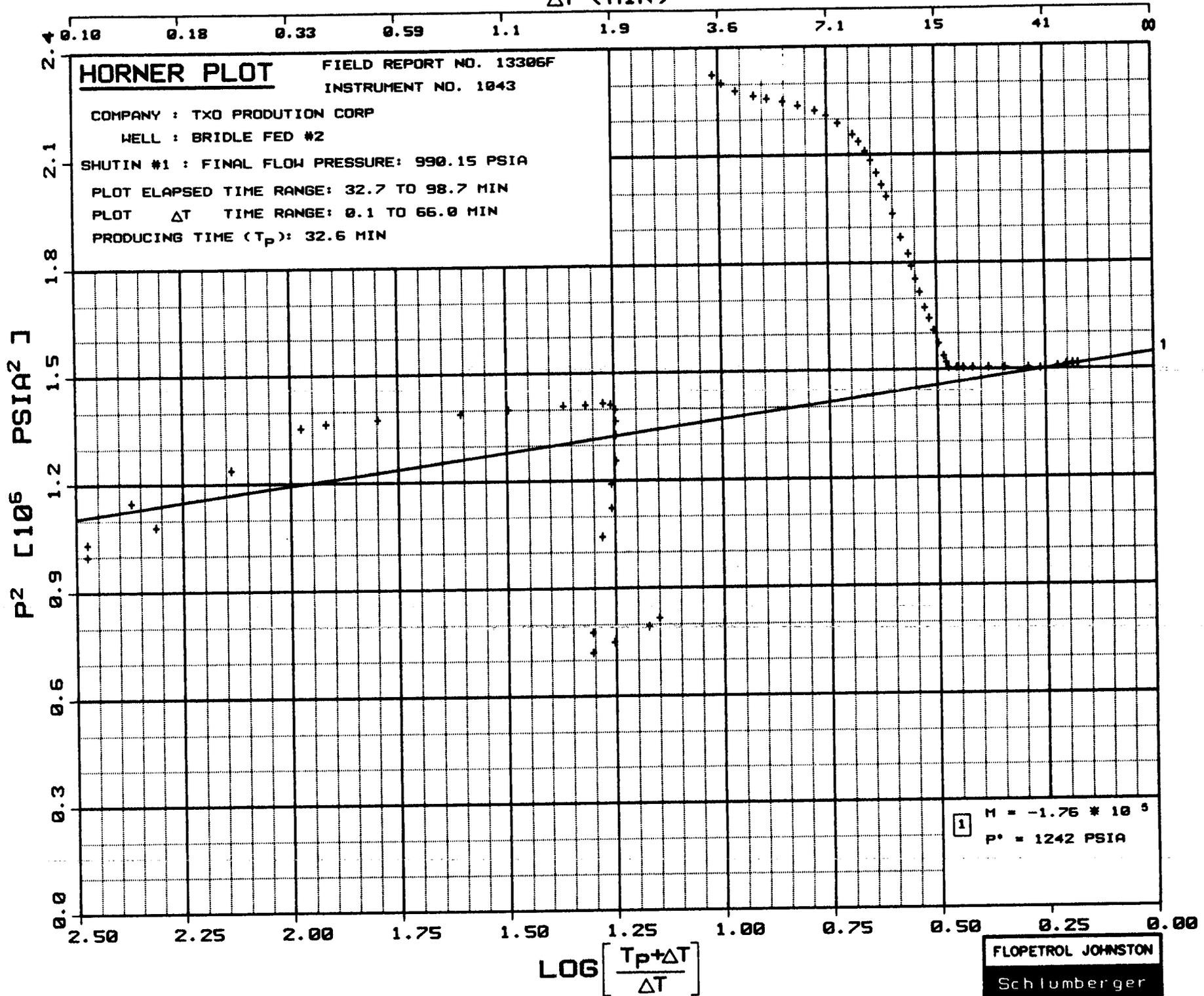
FINAL FLOW PRESSURE [PSIA] = 990.0
 PRODUCING TIME [MIN] = 93.07

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
21:33:16	22-SP	162.26	0.00	990.0	0.0	
21:34:16	22-SP	163.26	1.00	1479.8	489.8	1.973
21:35:16	22-SP	164.26	2.00	1471.4	481.4	1.677
21:36:16	22-SP	165.26	3.00	1467.3	477.3	1.505
21:37:16	22-SP	166.26	4.00	1462.6	472.6	1.385
21:38:16	22-SP	167.26	5.00	1458.3	468.3	1.293
21:39:16	22-SP	168.26	6.00	1453.0	463.0	1.218
21:40:16	22-SP	169.26	7.00	1447.4	457.4	1.155
21:41:16	22-SP	170.26	8.00	1440.5	450.5	1.102
21:42:16	22-SP	171.26	9.00	1432.1	442.1	1.055
21:43:16	22-SP	172.26	10.00	1423.3	433.3	1.013
21:45:16	22-SP	174.26	12.00	1403.8	413.8	0.942
21:47:16	22-SP	176.26	14.00	1378.0	387.9	0.884
21:49:16	22-SP	178.26	16.00	1354.7	364.7	0.834
21:51:16	22-SP	180.26	18.00	1327.1	337.1	0.790
21:53:16	22-SP	182.26	20.00	1302.5	312.5	0.752
21:55:16	22-SP	184.26	22.00	1276.2	286.2	0.719
21:57:16	22-SP	186.26	24.00	1253.8	263.8	0.688
21:59:16	22-SP	188.26	26.00	1232.2	242.2	0.661
22: 1:16	22-SP	190.26	28.00	1213.3	223.2	0.636
22: 3:16	22-SP	192.26	30.00	1204.2	214.2	0.613
22: 8:16	22-SP	197.26	35.00	1204.2	214.2	0.563
22:13:16	22-SP	202.26	40.00	1204.2	214.2	0.522
22:18:16	22-SP	207.26	45.00	1204.2	214.2	0.487

TEST PHASE : SHUTIN PERIOD # 2
 FINAL FLOW PRESSURE [PSIA] = 990.0
 PRODUCING TIME [MIN] = 93.07

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
22:23:16	22-SP	212.26	50.00	1204.2	214.2	0.457
22:28:16	22-SP	217.26	55.00	1204.6	214.5	0.430
22:33:16	22-SP	222.26	60.00	1204.7	214.7	0.407
22:38:16	22-SP	227.26	65.00	1207.1	217.1	0.386
22:43:16	22-SP	232.26	70.00	1209.6	219.6	0.367
22:48:16	22-SP	237.26	75.00	1211.2	221.2	0.350
22:53:16	22-SP	242.26	80.00	1212.7	222.7	0.335
22:58:16	22-SP	247.26	85.00	1214.0	224.0	0.321
23: 3:16	22-SP	252.26	90.00	1215.0	224.9	0.308
23: 8:16	22-SP	257.26	95.00	1214.6	224.6	0.297
23:13:16	22-SP	262.26	100.00	1215.5	225.5	0.286
23:18:16	22-SP	267.26	105.00	1217.0	226.9	0.276
23:23:16	22-SP	272.26	110.00	1218.1	228.1	0.266
23:28:16	22-SP	277.26	115.00	1218.3	228.3	0.258
23:33:16	22-SP	282.26	120.00	1219.5	229.5	0.249
23:38:16	22-SP	287.26	125.00	1220.0	229.9	0.242
23:43:16	22-SP	292.26	130.00	1221.1	231.1	0.234
23:48:16	22-SP	297.26	135.00	1222.0	232.0	0.228
23:53:16	22-SP	302.26	140.00	1222.1	232.1	0.221
23:58:16	22-SP	307.26	145.00	1222.8	232.8	0.215
0: 3:16	23-SP	312.26	150.00	1223.2	233.2	0.210
0: 4:14	23-SP	313.23	150.97	1223.3	233.3	0.209

ΔT (MIN)



ΔT (MIN)

0.093 0.19 0.37 0.75 1.5 3.0 6.3 13 31 93 00

HORNER PLOT

FIELD REPORT NO. 13306F

INSTRUMENT NO. 1043

COMPANY : TXO PRODUCTION CORP

WELL : BRIDLE FED #2

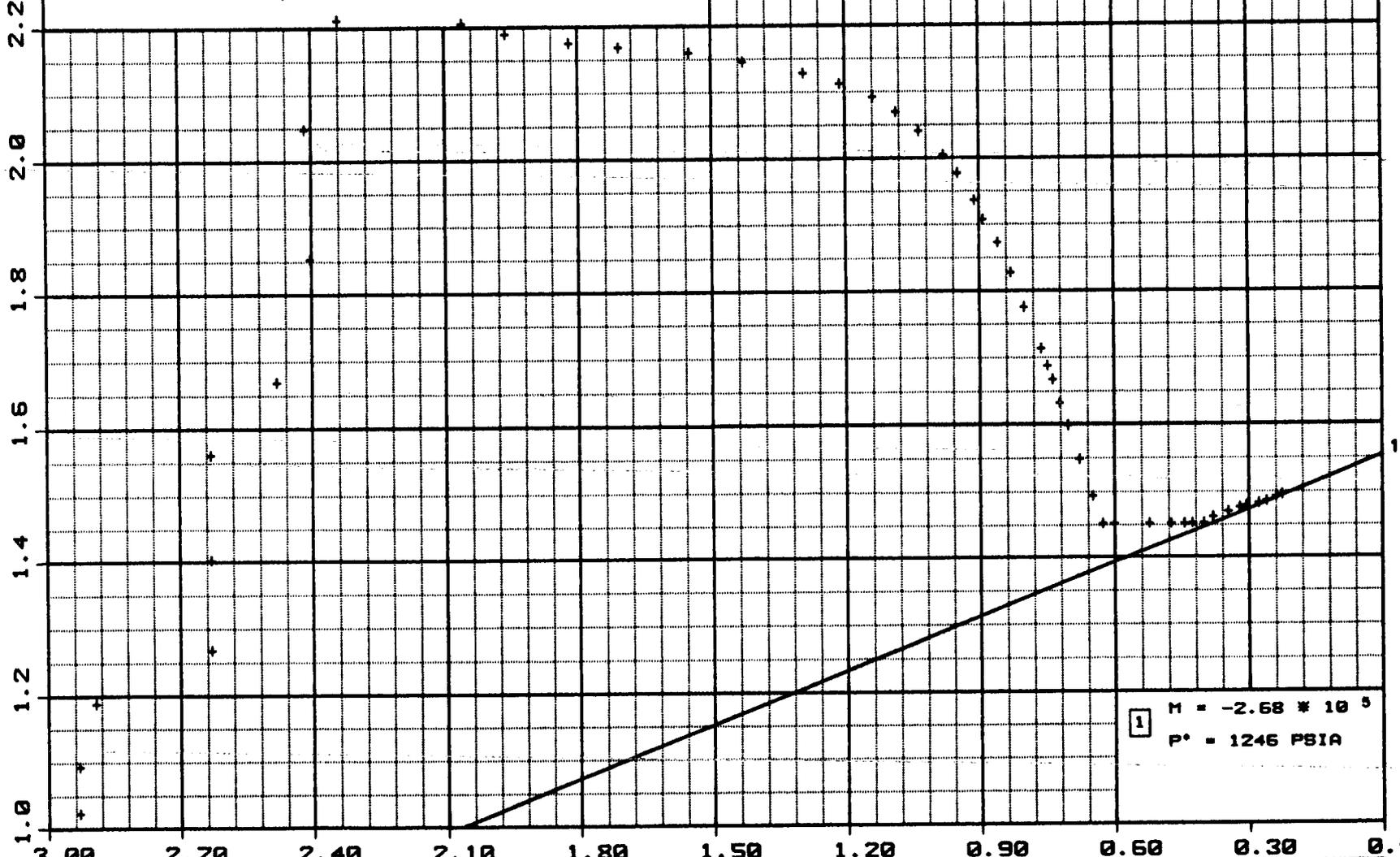
SHUTIN #2 : FINAL FLOW PRESSURE: 990.01 PSIA

PLOT ELAPSED TIME RANGE: 162.4 TO 313.2 MIN

PLOT ΔT TIME RANGE: 0.1 TO 151.0 MIN

PRODUCING TIME (T_p): 93.4 MIN

P^2 [10^6 PSIA²]



1 $M = -2.68 * 10^{-5}$
 $P^* = 1246$ PSIA

FLOPETROL JOHNSTON
Schlumberger

$\log \left[\frac{T_p + \Delta T}{\Delta T} \right]$

3.00 2.70 2.40 2.10 1.80 1.50 1.20 0.90 0.60 0.30 0.00

REPORT NO.
13305F

PAGE NO. 1

TEST DATE:
22-SEP-85

WELL PERFORMANCE

TESTING™ REPORT

A Production System Analysis (NODAL™)
Based On Model Verified™ Interpretation

FLOPETROL JOHNSTON

Schlumberger
RECEIVED

NOV 04 1985

Company: TXO PRODUCTION CORP.

Well: BRIDLE FED. #2

DIVISION OF OIL
GAS & MINING

TEST IDENTIFICATION

Test Type MFE OH DST
Test No. 1
Formation UINTAH B
Test Interval (ft) 3159.5 - 3173.5
Reference Depth KB

WELL LOCATION

Field HORSESHOE BEND
County UINTAH
State UTAH
Sec/Twn/Rng S34T6SR22E
Elevation (ft)

HOLE CONDITIONS

Total Depth (MD/TUD) (ft) 3436/3436
Hole Size (in) 7.875
Casing/Liner I.D. (in)
Perf'd Interval/Net Pay (ft).. --/13.98
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type LSND
Mud Weight (lb/gal) 9.0
Mud Resistivity (ohm.m) 2.3 @ 61 DEG. F
Filtrate Resistivity (ohm.m)..
Filtrate Chlorides (ppm) 1000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 1549
Gas Cushion Type NONE
Surface Pressure (psi) --
Liquid Cushion Type NONE
Cushion Length (ft) --

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 2716.98/3.34
Collar Length (ft)/I.D. (in).. 393/2.25
Packer Depths (ft) 3159.5 & 3173.5
Bottomhole Choke Size (in) ... 15/16
Gauge Depth (ft)/Type 3129/MECHANICAL

NET PIPE RECOVERY

Volume	Fluid Type	Properties
1500 FT.	WATER	.9 OHM-M @ 69 DEG. F 2000 PPM CL.

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
4.977 SCF	GAS	ASSUMED .65 GRAV.
1200 CC	WATER	1.2 OHM-M @ 70DEGF 2000 PPM CL.

Pressure: 240 | GOR: -- | GLR: 659.45

INTERPRETATION RESULTS

Model of Behavior HOMOGENEOUS
Fluid Type Used for Analysis . GAS
Reservoir Pressure (psi) 1148
Transmissibility (md.ft/cp) .. 64.23
Effective Permeability (md) .. 0.061
Skin Factor/Damage Ratio -1.15 / --
Storativity Ratio
Interporosity Flow Coeff.
Distance to an Anomaly (ft) ..
Radius of Investigation (ft)..
Potentiometric Surface (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Dil Density (deg. API)
Basic Solids (%)
Gas Gravity 0.650
Water Cut (%)
Viscosity (cp) 0.0133
Total Compressibility (1/psi). 1.04E-03
Porosity (%) ASSUMED 10%
Reservoir Temperature (F) ... ASSUMED 150
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: 29.24 MSCF/D

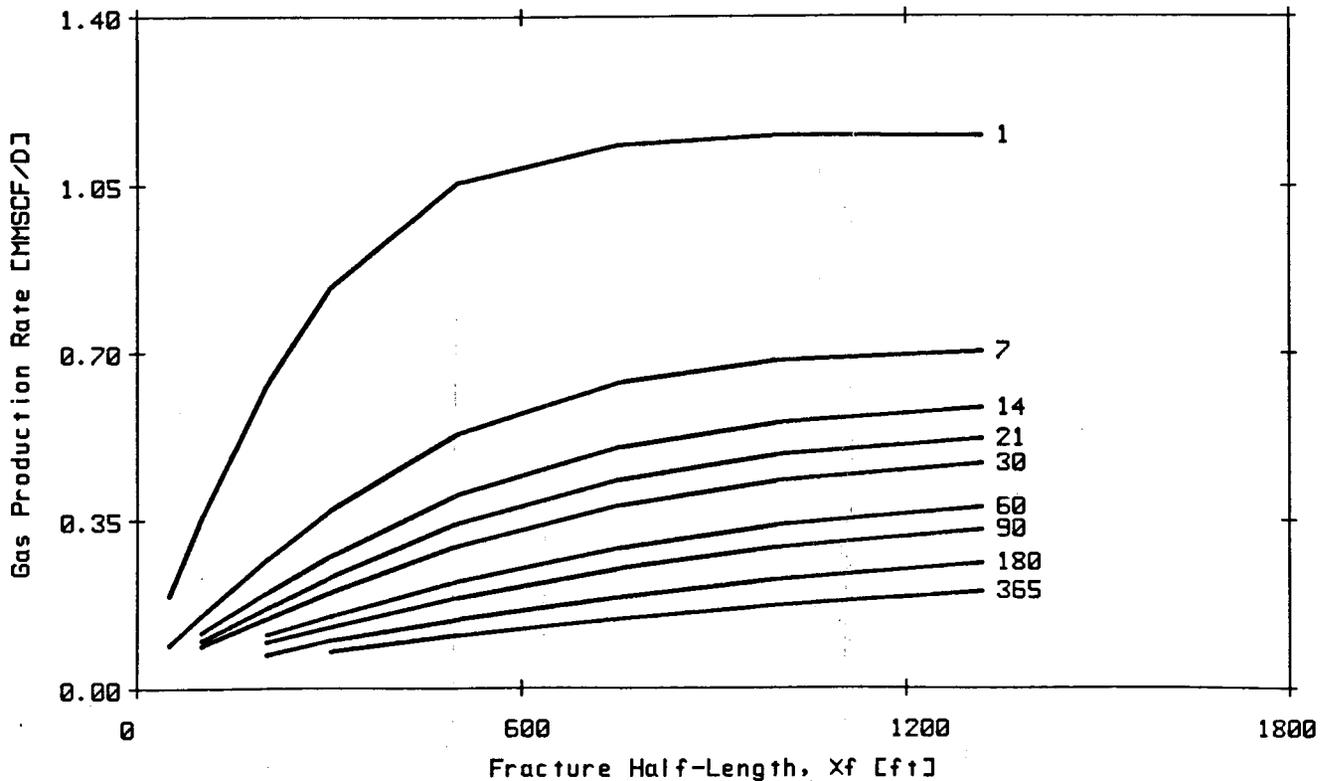
COMMENTS:

SEE SENSITIVITY PLOTS

WELL TEST INTERPRETATION REPORT #:13305F		PAGE: 2,
CLIENT : TXD PRODUCTION CORP.		1-NOV-85
REGION :WEST COAST	SENSITIVITY ANALYSIS Rate vs. Xf (vs. Time) ACRE SPACING ASSUMED = 160AC	Field:HORSESHOE BEND
DISTRICT:VERNAL		Zone :UINTAH BEE
BASE :DENVER		Well :BRIDLE FED. #2
Engr :D. HALLFORD		Location:S34T6SR22E

Reservoir Pressure: 1148 psi Liquid/Gas Ratio: 0.0000 STB/MMSCF
Permeability: 0.061 md Tubing Size: 3.920 in (id)
Net Thickness: 14.0 ft Wellhead Pressure: 200.0 psi

Fracture Conductivity, $kf*w$: 800.0 md.ft

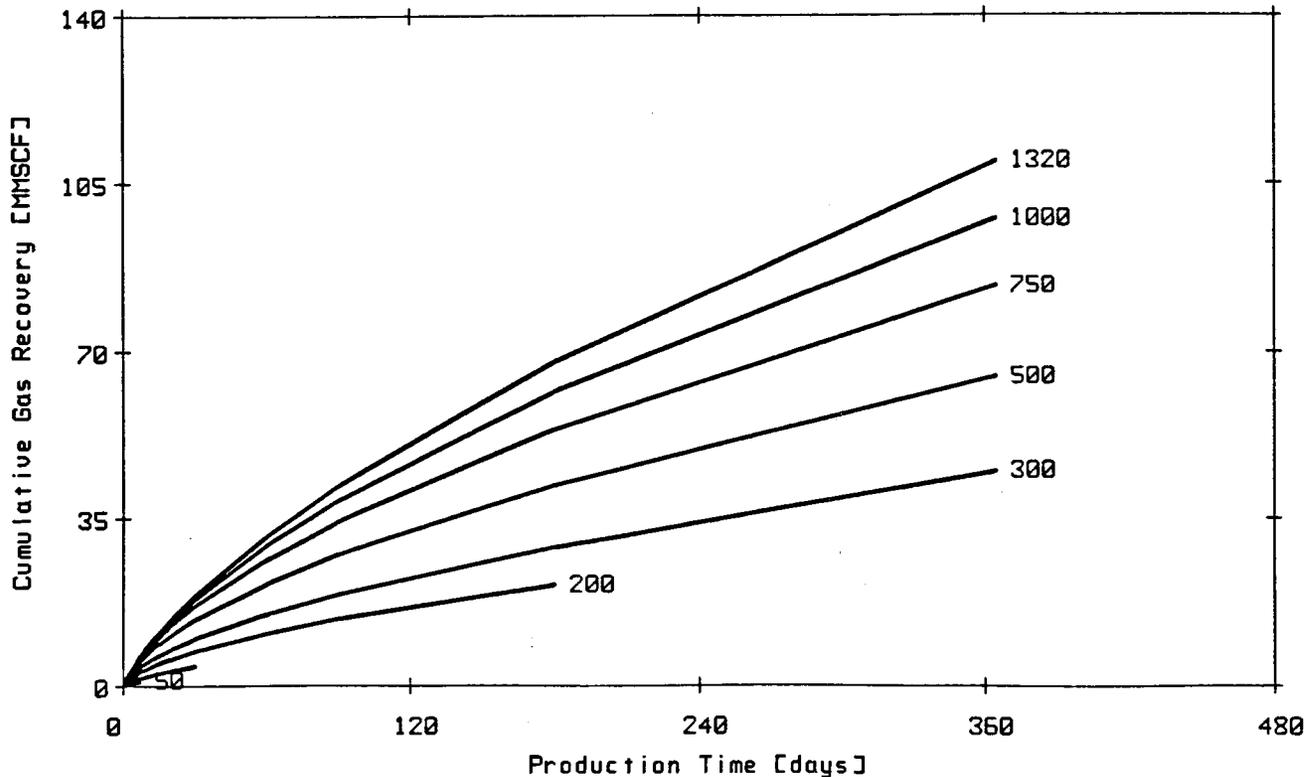


Production Rate vs. Frac. Half-Length, Transient Conditions
1 to 365 days : ACRE SPACING ASSUMED = 160AC

WELL TEST INTERPRETATION REPORT #:13305F		PAGE: 3,
CLIENT : TXO PRODUCTION CORP.		1-NOV-85
REGION :WEST COAST	SENSITIVITY ANALYSIS Recovery vs. Time (vs. Xf) ACRE SPACING ASSUMED = 160AC	Field:HORSESHOE BEND
DISTRICT:UERNAL		Zone :UINTAH BEE
BASE :DENUER		Well :BRIDLE FED. #2
Engr :D. HALLFORD		Location:S34T6SR22E

Reservoir Pressure: 1148 psi Liquid/Gas Ratio: 0.0000 STB/MMSCF
Permeability: 0.061 md Tubing Size: 3.920 in (id)
Net Thickness: 14.0 ft Wellhead Pressure: 200.0 psi

Fracture Conductivity, kf*w: 800.0 md.ft



Effect of Time on Cumulative Recovery, for Fracture Half-Lengths
from 50 to 1320 ft : ACRE SPACING ASSUMED = 160AC

WELL TEST INTERPRETATION REPORT #:13305F		PAGE: 4,
CLIENT : TXO PRODUCTION CORP.		1-NOV-85
REGION :WEST COAST	SENSITIVITY ANALYSIS Input Data Summary ACRE SPACING ASSUMED = 160AC	Field:HORSESHOE BEND
DISTRICT:VERNAL		Zone :UINTAH BEE
BASE :DENVER		Well :BRIDLE FED. #2
Engr :D. HALLFORD		Location:S34T6SR22E

Production Time [days]

1.0	7.0	14.0	21.0	30.0
60.0	90.0	180.0	365.0	

Fracture Half-Length, Xf [ft]

50.0	100.0	200.0	300.0	500.0
750.0	1000.	1320.		

Diagnostic Messages

ISS Report Pages & Data Records

Production Rate vs. Xf (vs. Time) ...	ISS Report Page 2 ;	Data Record 34
Production Rate vs. Time (vs. Xf) ...	ISS Report Page -- ;	Data Record 35
Cumulative Recovery vs. Xf (vs. Time) ...	ISS Report Page -- ;	Data Record 36
Cumulative Recovery vs. Time (vs. Xf) ...	ISS Report Page 3 ;	Data Record 37
Summary Printout ...	ISS Report Page 4	

Input Data for (Xf) Sensitivity

Produced Fluid & In-Place Fluid Information

Produced Fluid is primarily	Gas
Producing Liquid/Gas Ratio [STB/MMSCF]	1.00000E-05
Producing Water/Total Liquid Ratio [Water Cut]	0.00000E+00
Reservoir Gas Saturation [Sg, fraction]	0.7000
Reservoir Water Saturation [Sw, fraction]	0.3000
Reservoir Oil Saturation [So, fraction]	0.0000

Fluid Property Data

Water Specific Gravity	1.0700
Water Salinity [ppm]	1000.0
Oil (or Condensate) API Gravity	35.000
Oil Solution GOR & Bub.Pt.Pres. Correlation	Standing
Oil Formation Volume Factor Correlation	Standing
Gas Gravity at Standard Conditions [Air=1.0]	0.6500
Mole % CO2	0.000
Mole % H2S	0.000
Mole % N2	0.000

Input Data for (Xf) Sensitivity

Flowline, Wellhead, Tubing, and Casing Data

Start at	Wellhead (no Flowline)
Wellhead Temperature [deg F]	60.00
Wellhead Pressure [psig]	200.00
Tubing Inside Diameter [inch]	3.9200
Tubing Absolute Roughness [ft]	5.00000E-05
Tubing Length [ft]	3159.5
Tubing Vertical Multiphase Flow Correlation	Hagedorn-Brown
Casing Inside Diameter [inch]	6.3360
Casing-Tubing Packer Depth [measured depth, ft]	3159.5
Total Depth [measured depth to mid-formation, ft] ...	3166.0
True Vertical Depth [to mid-formation, ft]	3166.0

Reservoir and Near-Wellbore Data

Initial Reservoir Pressure [Pi, psia]	1148.0
Reservoir Temperature [deg F]	150.00
(Total) Permeability [k, md]	6.10000E-02
(Net Productive) Thickness [h, ft]	13.980
Rock Type	Sandstone
Porosity [fraction]	0.10000
Fracture Conductivity [kf*w, md.ft]	800.00

Reservoir Total (Equivalent Single-Phase) Properties

Total Gas Gravity [Air=1.0]	0.65000
Total Compressibility [1/psi]	1.04000E-03
Wellbore Storage Factor [bbl/psi]	0.00000E+00

DST EVENT SUMMARY

DATE (M/D/Y)	TIME (HR:MIN)	EVENT E.T. (MIN)	EVENT DESCRIPTION	LABEL PT. #	SURFACE PRESSURE (PSIG)	FLOOR MANIFOLD CHOKE SIZE (64ths INCH)
9/22/85	0648	—	SET PACKER	1		BUBBLE HOSE
	0652	—	OPENED TEST TOOL FOR INITIAL FLOW	2		"
	0653				92.0	1/8"
	0721				160.0	"
	0722	—	CLOSED TEST TOOL FOR INITIAL SHUT-IN	3		"
	0823		FINISHED SHUT-IN	4		"
	0826	—	OPENED TEST TOOL FOR FINAL FLOW	5		"
			BLOW TO BOTTOM OF BUCKET			
	0833				42.0	"
	0849		LOST A LITTLE MUD		79.0	"
	0855				70.0	"
	0910				64.0	"
	0925				60.0	"
	0926	—	CLOSED TEST TOOL FOR FINAL SHUT-IN	6		"
	1126	—	FINISHED FINAL SHUT-IN	7		"
	1127	—	UNSEATED PACKER	8		—
		—	REVERSED OUT			
		—	BEGAN TRIP OUT OF HOLE			

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 13305F

COMPANY : TXO PRODUCTION CORP.

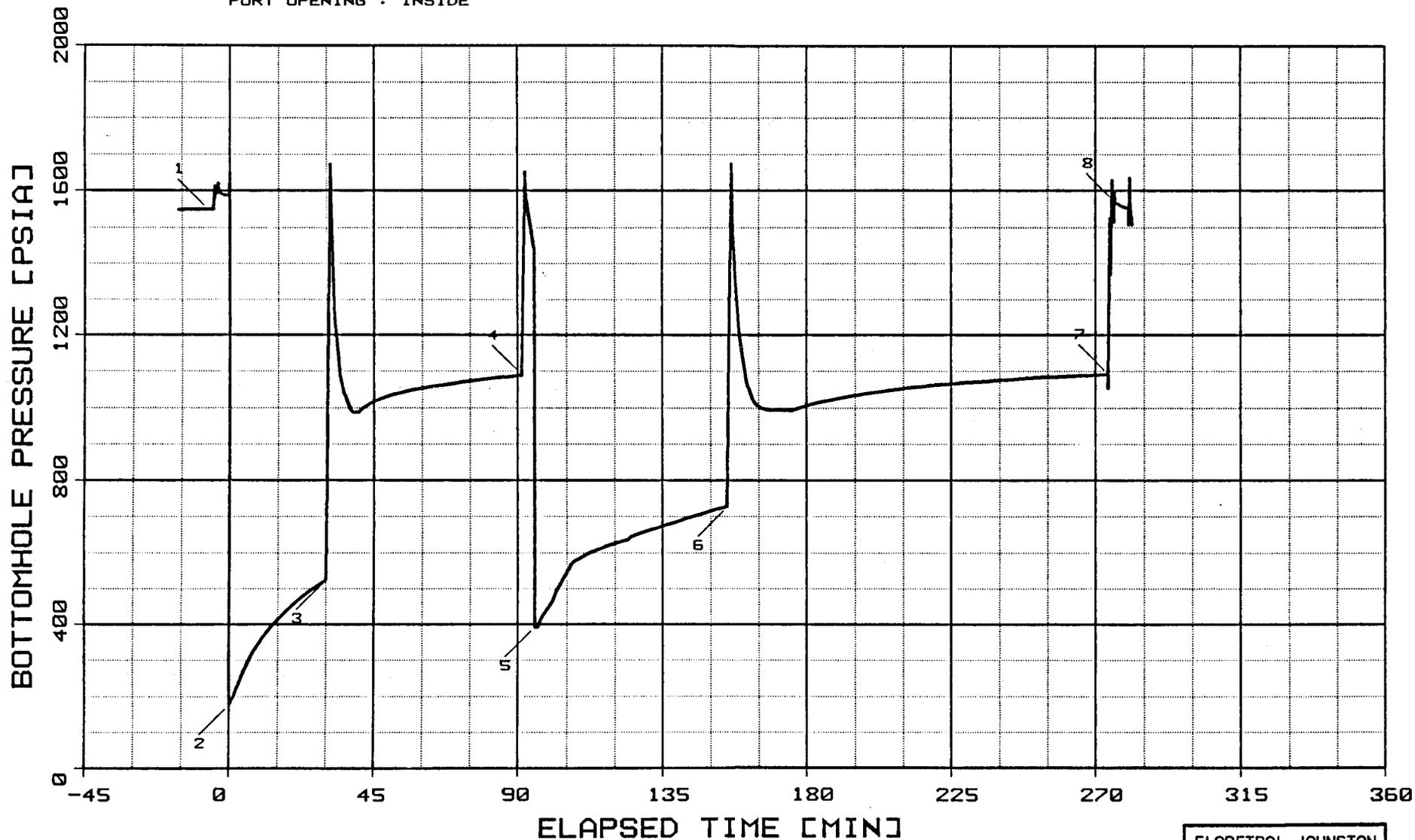
INSTRUMENT NO. J-080

WELL : BRIDLE FEDERAL #2

DEPTH : 3129 FT

CAPACITY : 2800 PSI

PORT OPENING : INSIDE



 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 13305F

COMPANY : TXO PRODUCTION CORP.
 WELL : BRIDLE FEDERAL #2

INSTRUMENT # : J-080
 CAPACITY [PSI] : 2800.
 DEPTH [FT] : 3129.0
 PORT OPENING : INSIDE
 TEMPERATURE [DEG F] : 150.0

LABEL POINT INFORMATION

#	TIME OF DAY		DATE	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
	HH:MM:SS	DD-MM				
1	6:45:13	22-SP	HYDROSTATIC MUD		-6.79	1549
2	6:52:00	22-SP	START FLOW		0.00	175
3	7:22:09	22-SP	END FLOW & START SHUT-IN		30.15	522
4	8:23:22	22-SP	END SHUT-IN		91.37	1088
5	8:27:19	22-SP	START FLOW		95.31	392
6	9:27:16	22-SP	END FLOW & START SHUT-IN		155.26	727
7	11:26:00	22-SP	END SHUT-IN		274.00	1090
8	11:28:33	22-SP	HYDROSTATIC MUD		276.55	1565

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	30.15	30.15	175	522
2	95.31	155.26	59.95	392	727

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	30.15	91.37	61.22	522	1088	522	30.15
2	155.26	274.00	118.74	727	1090	727	90.10

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
6:52: 0	22-SP	0.00	0.00	175
6:57: 0	22-SP	5.00	5.00	278
7: 2: 0	22-SP	10.00	10.00	357
7: 7: 0	22-SP	15.00	15.00	413
7:12: 0	22-SP	20.00	20.00	456
7:17: 0	22-SP	25.00	25.00	492
7:22: 0	22-SP	30.00	30.00	522
7:22: 9	22-SP	30.15	30.15	522

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 522
 PRODUCING TIME [MIN] = 30.15

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
7:22: 9	22-SP	30.15	0.00	522	0	
7:23: 9	22-SP	31.15	1.00	1506	983	1.493
7:24: 9	22-SP	32.15	2.00	1434	911	1.206
7:25: 9	22-SP	33.15	3.00	1209	686	1.043
7:26: 9	22-SP	34.15	4.00	1120	598	0.931
7:27: 9	22-SP	35.15	5.00	1061	539	0.847
7:28: 9	22-SP	36.15	6.00	1028	506	0.780
7:29: 9	22-SP	37.15	7.00	1006	484	0.725
7:30: 9	22-SP	38.15	8.00	990	467	0.678
7:31: 9	22-SP	39.15	9.00	986	464	0.638
7:32: 9	22-SP	40.15	10.00	986	464	0.604
7:34: 9	22-SP	42.15	12.00	1001	478	0.546
7:36: 9	22-SP	44.15	14.00	1011	489	0.499
7:38: 9	22-SP	46.15	16.00	1019	497	0.460
7:40: 9	22-SP	48.15	18.00	1026	504	0.427
7:42: 9	22-SP	50.15	20.00	1032	510	0.399
7:44: 9	22-SP	52.15	22.00	1037	515	0.375
7:46: 9	22-SP	54.15	24.00	1041	519	0.353
7:48: 9	22-SP	56.15	26.00	1045	522	0.334
7:50: 9	22-SP	58.15	28.00	1049	526	0.317
7:52: 9	22-SP	60.15	30.00	1052	530	0.302
7:57: 9	22-SP	65.15	35.00	1060	537	0.270
8: 2: 9	22-SP	70.15	40.00	1065	543	0.244
8: 7: 9	22-SP	75.15	45.00	1072	550	0.223
8:12: 9	22-SP	80.15	50.00	1078	555	0.205
8:17: 9	22-SP	85.15	55.00	1083	560	0.190
8:22: 9	22-SP	90.15	60.00	1087	564	0.177
8:23:22	22-SP	91.37	61.22	1088	565	0.174

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
8:27:19	22-SP	95.31	0.00	392
8:32:19	22-SP	100.31	5.00	460
8:37:19	22-SP	105.31	10.00	547
8:42:19	22-SP	110.31	15.00	589
8:47:19	22-SP	115.31	20.00	610
8:52:19	22-SP	120.31	25.00	626
8:57:19	22-SP	125.31	30.00	644
9: 2:19	22-SP	130.31	35.00	660
9: 7:19	22-SP	135.31	40.00	674
9:12:19	22-SP	140.31	45.00	688
9:17:19	22-SP	145.31	50.00	701
9:22:19	22-SP	150.31	55.00	715
9:27:16	22-SP	155.26	59.95	727

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 727
 PRODUCING TIME [MIN] = 90.10

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
9:27:16	22-SP	155.26	0.00	727	0	
9:28:16	22-SP	156.26	1.00	1403	676	1.960
9:29:16	22-SP	157.26	2.00	1473	746	1.663
9:30:16	22-SP	158.26	3.00	1302	575	1.492
9:31:16	22-SP	159.26	4.00	1198	471	1.372
9:32:16	22-SP	160.26	5.00	1139	412	1.279
9:33:16	22-SP	161.26	6.00	1079	352	1.205
9:34:16	22-SP	162.26	7.00	1045	318	1.142
9:35:16	22-SP	163.26	8.00	1022	295	1.089
9:36:16	22-SP	164.26	9.00	1008	281	1.042
9:37:16	22-SP	165.26	10.00	1002	275	1.000
9:39:16	22-SP	167.26	12.00	995	268	0.930
9:41:16	22-SP	169.26	14.00	993	265	0.871
9:43:16	22-SP	171.26	16.00	992	265	0.822
9:45:16	22-SP	173.26	18.00	992	265	0.779
9:47:16	22-SP	175.26	20.00	992	265	0.741
9:49:16	22-SP	177.26	22.00	997	270	0.707
9:51:16	22-SP	179.26	24.00	1003	276	0.677
9:53:16	22-SP	181.26	26.00	1008	281	0.650
9:55:16	22-SP	183.26	28.00	1012	285	0.625
9:57:16	22-SP	185.26	30.00	1016	289	0.602
10: 2:16	22-SP	190.26	35.00	1026	298	0.553
10: 7:16	22-SP	195.26	40.00	1033	306	0.512
10:12:16	22-SP	200.26	45.00	1040	313	0.477
10:17:16	22-SP	205.26	50.00	1047	319	0.447

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 727
PRODUCING TIME [MIN] = 90.10

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNERS TIME
*****	*****	*****	*****	*****	*****	*****
10:22:16	22-SP	210.26	55.00	1052	325	0.421
10:27:16	22-SP	215.26	60.00	1057	330	0.398
10:32:16	22-SP	220.26	65.00	1061	334	0.378
10:37:16	22-SP	225.26	70.00	1065	338	0.359
10:42:16	22-SP	230.26	75.00	1068	341	0.343
10:47:16	22-SP	235.26	80.00	1071	344	0.328
10:52:16	22-SP	240.26	85.00	1075	347	0.314
10:57:16	22-SP	245.26	90.00	1077	350	0.301
11: 2:16	22-SP	250.26	95.00	1080	353	0.290
11: 7:16	22-SP	255.26	100.00	1083	356	0.279
11:12:16	22-SP	260.26	105.00	1085	358	0.269
11:17:16	22-SP	265.26	110.00	1087	360	0.260
11:22:16	22-SP	270.26	115.00	1089	362	0.251
11:26: 0	22-SP	274.00	118.74	1090	363	0.245

BOTTOM HOLE PRESSURE AND TIME DATA

JOHNSTON-MACCO
Schlumberger

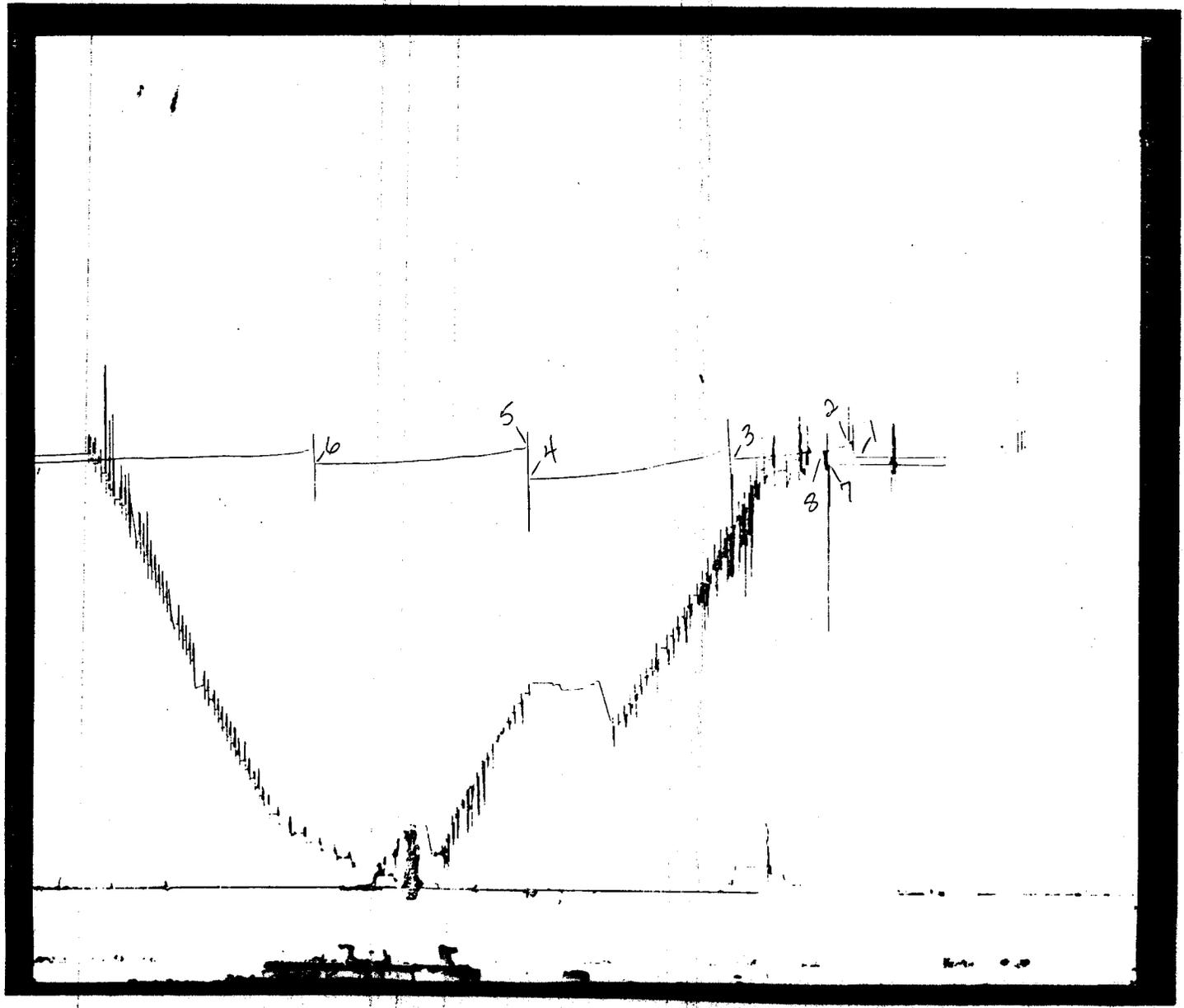
PAGE NUMBER

INSTRUMENT NUMBER J-1243		CAPACITY (P.S.I.) 2800#		DEPTH 3185 FT.	
PORT OPENING BELOW STRADDLE		BOTTOM HOLE TEMPERATURE READ @ 150°F		FIELD REPORT NUMBER 13305 F	

DESCRIPTION	LABELLED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	1584		
INITIAL FLOW (1)	2	1648		
INITIAL FLOW (2)	3	1572		
INITIAL SHUT-IN	4	1502		
SECOND FLOW (1)				
SECOND FLOW (2)				
SECOND SHUT-IN				
FINAL FLOW (1)	5	1625		
FINAL FLOW (2)	6	1557		
FINAL SHUT-IN	7	1557		
FINAL HYDROSTATIC MUD	8	1595		

REMARKS:

INSTRUMENT RUN BELOW STRADDLE



ΔT (MIN)

0.98 1.4 2.0 3.0 4.3 6.5 10 16 30 73 00

HORNER PLOT

FIELD REPORT NO. 13305F
INSTRUMENT NO. J-080

COMPANY : TXO PRODUCTION CORP.
WELL : BRIDLE FEDERAL #2

SHUTIN #1 : FINAL FLOW PRESSURE: 522.49 PSIA

PLOT ELAPSED TIME RANGE: 31.3 TO 91.4 MIN

PLOT ΔT TIME RANGE: 1.2 TO 61.2 MIN

PRODUCING TIME (T_p): 30.1 MIN

SHUTIN PRESSURE [PSIA]

1700
1600
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1000
900

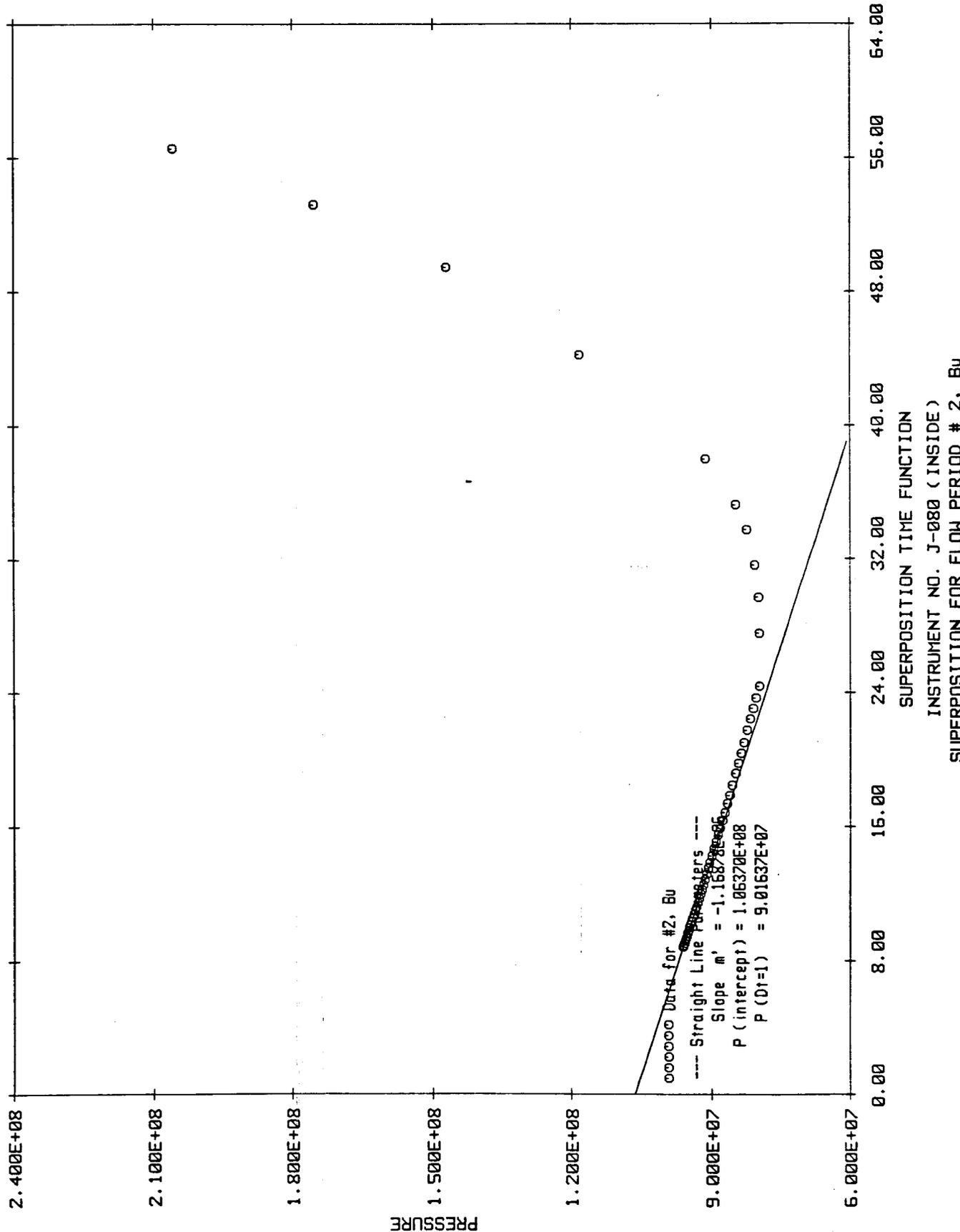
1.50 1.35 1.20 1.05 0.90 0.75 0.60 0.45 0.30 0.15 0.00

$\text{LOG} \left[\frac{T_p + \Delta T}{\Delta T} \right]$

1 M = -320
P* = 1143 PSIA

FLOPETROL JOHNSTON
Schlumberger

WELL TEST INTERPRETATION REPORT #: 13305F		PAGE: 9, SECTION 3
CLIENT : TXO PRODUCTION CORP.		31-OCT-85
REGION : WEST COAST	INFINITE-ACTING RADIAL FLOW ANALYSIS: SUPERPOSITION PLOT FOR #2, Bu	Field: HORSESHOE BEND
DISTRICT: UERNAL		Zone : UINTAH BEE
BASE : DENVER		Well : BRIDLE FED. #2
Engr : D. HALLFORD		Location: S34T6SR22E



SUPERPOSITION TIME FUNCTION
 INSTRUMENT NO. J-080 (INSIDE)
 SUPERPOSITION FOR FLOW PERIOD # 2, Bu

RECEIVED
JAN 24 1991



**Marathon
Oil Company**

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

DIVISION OF
OIL, GAS & MINING

DRJ
1-2
Mug
- C 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

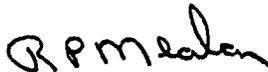
Utah Division of Oil, Gas & Mining
January 22, 1991
Page 2

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.

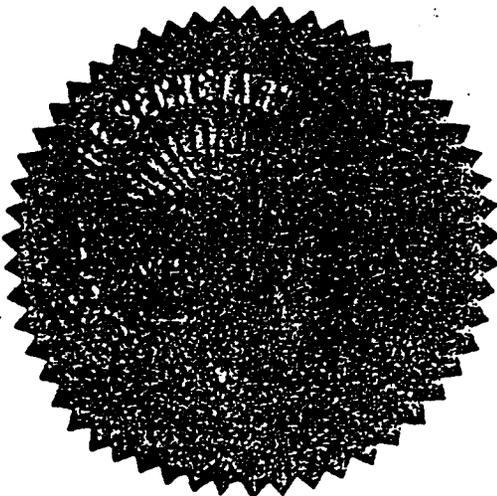
WITNESS my hand and official seal at

Columbus, Ohio, this

28th day of December, A.D. 19 90



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

REC'D USITC P.A.
FEB 14 1991

Send a copy to DOGM 2-21-91

A subsidiary of USX Corporation

Copy sent to Master
Sale Mail

Routing:	
1- LCR	<i>ls</i>
2- DTB	<i>ls</i>
3- VLC	<i>ls</i>
4- RJF	<i>ls</i>
5- RWM	<i>ls</i>
6- LGR	<i>ls</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 Operator
- Designation of Agent
- 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: <u>**SEE ATTACHED**</u>	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). *(Rec. 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) ____ (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*

RECORDING

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

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. *feb*

COMMENTS

- 910204 Bfm/Moab ~~No doc. as of yet.~~ (In the process of changing) will call when approved.
- Bfm/S.Y. Book Cliffs Unit, Oil Springs Unit, Marble Mansion Unit (Not approved as of yet)
- 910204 St. Lands - No documentation as of yet. (Copy hand delivered 2-8-91) *lee*
- 910222 Bfm/S.Y. - Approved 2-20-91 - OK for OSGM 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)



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			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
4301930578	ARCO FEDERAL D-1	U-29645 06690 16S 25E 34	DKTA ✓				
4304731307	EVACUATION CREEK #1	ML-39868 06691 11S 25E 36	BUKHN ✓				
4304731532	CRACKER FED. #1	U-54197 06693 11S 23E 8	WSTC ✓				
4304731690	CRACKER FEDERAL #2	U-54197 06694 11S 23E 8	WSTC ✓				
4301930634	TEXAS PACIFIC ST 1	ML-4468A 06695 16S 25E 36	DKTA ✓				
4301930639	VALENTINE FED 1	U-38276 06700 16S 25E 35	DKTA ✓				
4301930640	VALENTINE FEDERAL 2	U-38276 06705 16S 25E 34	DKTA ✓				
4301930670	TEXAS PACIFIC ST 2	ML-4468A 06710 16S 25E 36	DKTA ✓				
4304731533	BRIDLE FEDERAL #1	U-47866 06711 06S 22E 34	UNTA ✓				
4304731655	BRIDLE FEDERAL #2	U-47866 06712 06S 22E 34	UNTA ✓				
4304731678	BRIDLE FEDERAL 3	U-47866 06713 06S 22E 34	UNTA ✓				
4301930698	MOXA FEDERAL 1	U-24638 06715 16S 26E 9	DKTA ✓				
4301930780	PTASYNSKI FEDERAL 1	U-24603-A 06725 17S 23E 15	DKTA ✓				
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 _____

LONE MOUNTAIN PRODUCTION COMPANY

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

February 22, 1993

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

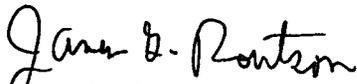
Re: Change of Operator
Sundry Notices
Grand and Uintah Counties, Utah

Gentlemen:

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

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosures

xc: Joe Dyk
Marathon

RECEIVED

FEB 25 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
U-47866

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Bridle Fed. No. 2

9. API Well No.
43-047-31655

10. Field and Pool, or Exploratory Area
Horseshoe Bend

11. County or Parish, State
Uintah County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Lone Mountain Production Company

3. Address and Telephone No.
P.O. Box 3394, Billings, MT 59103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1592' FSL, 717' FEL, Sec. 34-T6S-R22E
(NE $\frac{1}{4}$ SE $\frac{1}{4}$)**

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

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

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

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

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. Rynther* 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.

RECEIVED

UTAH FEDERAL WELLS

FEB 25 1993

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

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>		<p>5. LEASE DESIGNATION & SERIAL NO. See Below</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>
<p>2. NAME OF OPERATOR Marathon Oil Company</p>		<p>7. UNIT AGREEMENT NAME</p>
<p>3. ADDRESS OF OPERATOR P.O. Box 2690, Cody, Wyoming 82414</p>		<p>8. FARM OR LEASE NAME See Below</p>
<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>		<p>9. WELL NO. See Below</p>
<p>14. API NO. See Below</p>		<p>10. FIELD AND POOL, OR WILDCAT See Below</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below</p>
<p>12. COUNTY Grand and Uintah</p>		<p>13. STATE Utah</p>

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:																		
<table style="width:100%;"> <tr> <td style="width: 50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>	TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		<table style="width:100%;"> <tr> <td style="width: 50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table> <p>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	(Other) <input type="checkbox"/>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>																		
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>																		
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>																		
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>																		
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WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																		
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SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																		
(Other) <input type="checkbox"/>																			
APPROX. DATE WORK WILL START _____	DATE OF COMPLETION _____																		

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 *R.P. Meabon* TITLE Regulatory Coordinator DATE 2/23/93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

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

WELL	LOCATION	LEASE	API #
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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or recomplete a well or to change the reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

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SUBMIT IN TRIPLICATE

MAR 22 1993

5. Lease Designation and Serial No.

U-47866

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Riddle 2

9. API Well No.

See Below

10. Field and Pool, or Exploratory Area

See Below

11. County or Parish, State

See Below

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

DIVISION OF
OIL GAS & MINING

RECEIVED

3. Address and Telephone No.

P.O. Box 2690, Cody, Wyoming 82414

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

NESE 34-6S-22E

FEB 25 1993

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

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

VERNAL DIST.
ENG. 8/27/83-11/92
GEOL.
E.S.
PET.

(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 markets) and zones pertinent to this work.*

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

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

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

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

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

Signed BP Meador

Title Regulatory Coordinator

Date 2/23/93

(This space for Federal or State office use)

Approved by [Signature]

Title ASSISTANT DISTRICT
MANAGER MINERALS

Date MAR 16 1993

Conditions of approval, if any:

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

*See Instruction on Reverse Side

CONDITIONS OF APPROVAL ATTACHED
TO OPERATORS COPY

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: *J*

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

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-92)

TO (new operator)	<u>LONE MTN PRODUCTION CO</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>P. O. BOX 3394</u>	(address)	<u>P. O. BOX 2690</u>
	<u>BILLINGS, MT 59103-3394</u>		<u>CODY, WY 82414</u>
	phone <u>(406) 245-5077</u>		phone <u>(307) 587-4961</u>
	account no. <u>N 7210</u>		account no. <u>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. *(3-24-93)*
- See* 6. Cardex file has been updated for each well listed above. *(3-24-93)*
- See* 7. Well file labels have been updated for each well listed above. *(3-24-93)*
- See* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-24-93)*
- See* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

- n/a* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- n/a* 2. A copy of this form has been placed in the new and former operators' bond files.
- n/a* 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 3/25/93 1993. If yes, division response was made by letter dated 3/25/93 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- ec* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 3/25/93 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- ec* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- Rum* 1. All attachments to this form have been microfilmed. Date: March 28 1993.

FILING

- ec* 1. Copies of all attachments to this form have been filed in each well file.
- ec* 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

- 930316 Btm/moab Approved some of the wells on 3-10-93 eff. 2-23-93. (see other change.)*
- 930323 Btm/Vernal Approved some of the wells on 3-16-93 eff. 10-1-92. The remaining wells are unitized or under a C.A. (will be handled on separate change.)*
- 930324 Btm/Vernal Approved same wells on 3-23-93, operation of wells eff. 2-22-93.*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-47866

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Lone Mountain Production Company

3. Address and Telephone No.

P.O. Box 3394, Billings, MT 59103

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

1592' FSL, 717' FEL, Sec. 34-T6S-R22E
(NE $\frac{1}{4}$ SE $\frac{1}{4}$)

8. Well Name and No.

Bridle Fed. No. 2

9. API Well No.

73-047-31655

10. Field and Pool, or Exploratory Area
Horseshoe Bend

11. County or Parish, State

Uintah County, Utah

RECEIVED

MAR 24 1993

DIVISION OF
OIL GAS & MINING

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Subsequent Report

Final Abandonment Notice

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

Other

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

Dispose Water

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

Change of Operator

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

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

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

Field Operations will be handled by our Grand Junction office.

RECEIVED

FEB 25 1993

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

Signed J. D. R. [Signature]

Title Petroleum Engineer

Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by [Signature]
Conditions of approval, if any:

Title Assistant District Manager Minerals

ASSISTANT DISTRICT
MANAGER MINERALS

Date MAR 23 1993

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

*See Instruction on Reverse Side



United States Department of the Interior

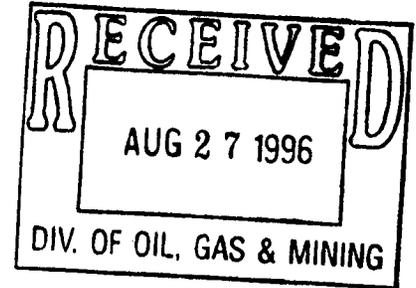
BUREAU OF LAND MANAGEMENT

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

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

IN REPLY REFER TO:
3162.3
UT08300

August 26, 1996



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

Re: Well No. Bridle Federal 2
NESE, Sec. 34, T6S, R22E
Lease U-47866
Uintah County, Utah

Dear Ms. Hambright:

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

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

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager
Minerals Resources

cc: Lone Mountain Production Company
~~Division of Oil, Gas & Mining~~
Best Exploration Inc.
DJ Investment Co.
Marceil Fees Trust
J&K Properties Inc.
T-K Production Co.

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

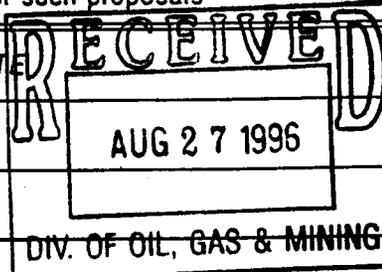
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE



1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Rosewood Resources, Inc.

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1592' FSL, 717' FEL, Section 34: T6S-R22E
(NE 1/4 SE 1/4)

5. Lease Designation and Serial No.
U-47866

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Bridle Fed. No. 2

9. API Well No.
43-047-31655

10. Field and Pool, or Exploratory Area
Horseshoe Bend

11. County or Parish, State
Uintah County, Utah

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

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

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

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

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

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

VERNAL DIST
WELL: EdH
GEOLOGICAL: _____
E.S.: _____
PETROLEUM: _____
A.M.: _____

RECEIVED
AUG 01 1996

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

Signed [Signature]

Title Production Engineer

Date August 1, 1996

(This space for Federal or State Office use)

Approved by [Signature]
Conditions of approval, if any:

Title Assistant Field Manager
Mineral Resources

Date AUG 20 1996

LONE MOUNTAIN PRODUCTION COMPANY

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

(406) 245-5077
FAX 248-6321

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

August 7, 1996

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

VIA FAX: 1-801-359-3940

**RE: RESIGNATION OF OPERATOR
VARIOUS WELLS
UINTAH COUNTY, UTAH**

Dear Lisha:

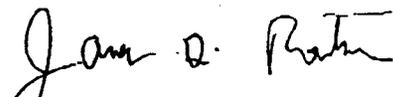
Pursuant to your telephone conversation with Carolyn George this afternoon, attached is a list of federal wells previously operated by Lone Mountain Production Company in the referenced county.

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

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

Sincerely,

LONE MOUNTAIN PRODUCTION COMPANY


James G. Routson
President

Attachment

UTAH FEDERAL WELLS

VERNAL BLM DISTRICT

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

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

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

OPERATOR CHANGE WORKSHEET

Routing:

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

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

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

The operator of the well(s) listed below has changed, effective: 8-1-96

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

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

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>93-147-31655</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). (Rec'd 8-7-96)
- Yec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (Rec'd 8-7-96)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) _____ If yes, show company file number: _____
- Yec 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (8-29-96)
- Yec 6. Cardex file has been updated for each well listed above.
- Yec 7. Well file labels have been updated for each well listed above.
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc.
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION - (FEE WELLS ONLY)

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

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

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

FILMING

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

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

960829 Btm/Vernal Aprv. 8-26-96.

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N7210

REPORT PERIOD (MONTH/YEAR): 6 / 96

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
HOUGEN FED A-1 ST 1								
4301930799	06686	17S 24E 14	MRSN					
LAUCK FED A-1								
4301930990	06687	16S 25E 29	DKTA					
ARCO FEDERAL D-1								
4301930578	06690	16S 25E 34	DKTA					
EVACUATION CREEK #1								
4304731307	06691	11S 25E 36	BUKHN					
✓ CRACKER FEDERAL 1 ✓								
4304731532	06693	11S 23E 8	WSTC		1154197			
✓ CRACKER FEDERAL 2 ✓								
4304731690	06694	11S 23E 8	WSTC		"			
TEXAS PACIFIC ST 1								
4301930634	06695	16S 25E 36	DKTA					
VALENTINE FED 1								
4301930639	06700	16S 25E 35	DKTA					
VALENTINE FEDERAL 2								
4301930640	06705	16S 25E 34	DKTA					
TEXAS PACIFIC ST 2								
4301930670	06710	16S 25E 36	DKTA					
✓ BRIDLE FEDERAL #1 ✓								
4304731533	06711	06S 22E 34	UNTA		1147866			
✓ BRIDLE FEDERAL #2 ✓								
4304731655	06712	06S 22E 34	UNTA		"			
✓ BRIDLE FEDERAL 3 ✓								
4304731678	06713	06S 22E 34	UNTA		"			
TOTALS								

COMMENTS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

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 reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
UTU-47866

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
BRIDLE FED. NO. 2

9. API Well No.
43-047-31655

10. Field and Pool, or Exploratory Area
HORSESHOE BEND

11. County or Parish, State
UINTAH CO., UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator
ROSEWOOD RESOURCES, INC.

3. Address and Telephone No.
P.O. Box 1668, Vernal, UT 435-789-0414

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1592' FNL 717' FWL, NE/SE SEC 34 T6S R22E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

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

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

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

Rosewood Resources, Inc. requests TA status for above mentioned well for up to 1 year for additional time to prepare plugging proposal.

Thank You,
Jill Henrie
435-789-0414 x10

COPY SENT TO OPERATOR
Date: 7-21-03
Initials: CHD

RECEIVED
JUL 15 2003
DIV. OF OIL, GAS & MINING

COPIES: ORIG. & 2-BLM; DIV. OG&M; DALLAS OFFICE

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

Signed Jill Henrie Title Administrative Assistant Date 07/11/03

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

The well is currently listed as producing. In accordance with R649-3-36-1 the well may remain, but-in or temporarily abandoned for up to a year, at which time the operator shall file a Sundry Notice providing the information specified in R649-3-36-1.

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make any false statement or to use any false statement and false, fictitious or fraudulent

