

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-56958

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
South Bend Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend ✓

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 9-T7S-R22E, SLB&M

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

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, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1156' FNL, 1006' FWL, Section 9-T7S-R22E
At proposed prod. zone *NW/NW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
About 21 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)
1007'

16. NO. OF ACRES IN LEASE
320

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.

19. PROPOSED DEPTH
3000' *Open Hole*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5015' GR

22. APPROX. DATE WORK WILL START*
August 5, 1985

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# | 300' | 200 sacks |
| 7 7/8" | 4 1/2" | 10.5# | 3000' | 250 sacks |

All casing will be new K-55. Refer to attached Drilling Plan for program details.

Anticipated bottom hole pressure is 1600 lbs.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8/26/85
BY: John R. Baye

WELL SPACING: 145-8 8/22/85

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 & Production Mgr. DATE June 28, 1985
(This space for Federal or State office use)

PERMIT NO. 43-047-31669 APPROVAL DATE _____

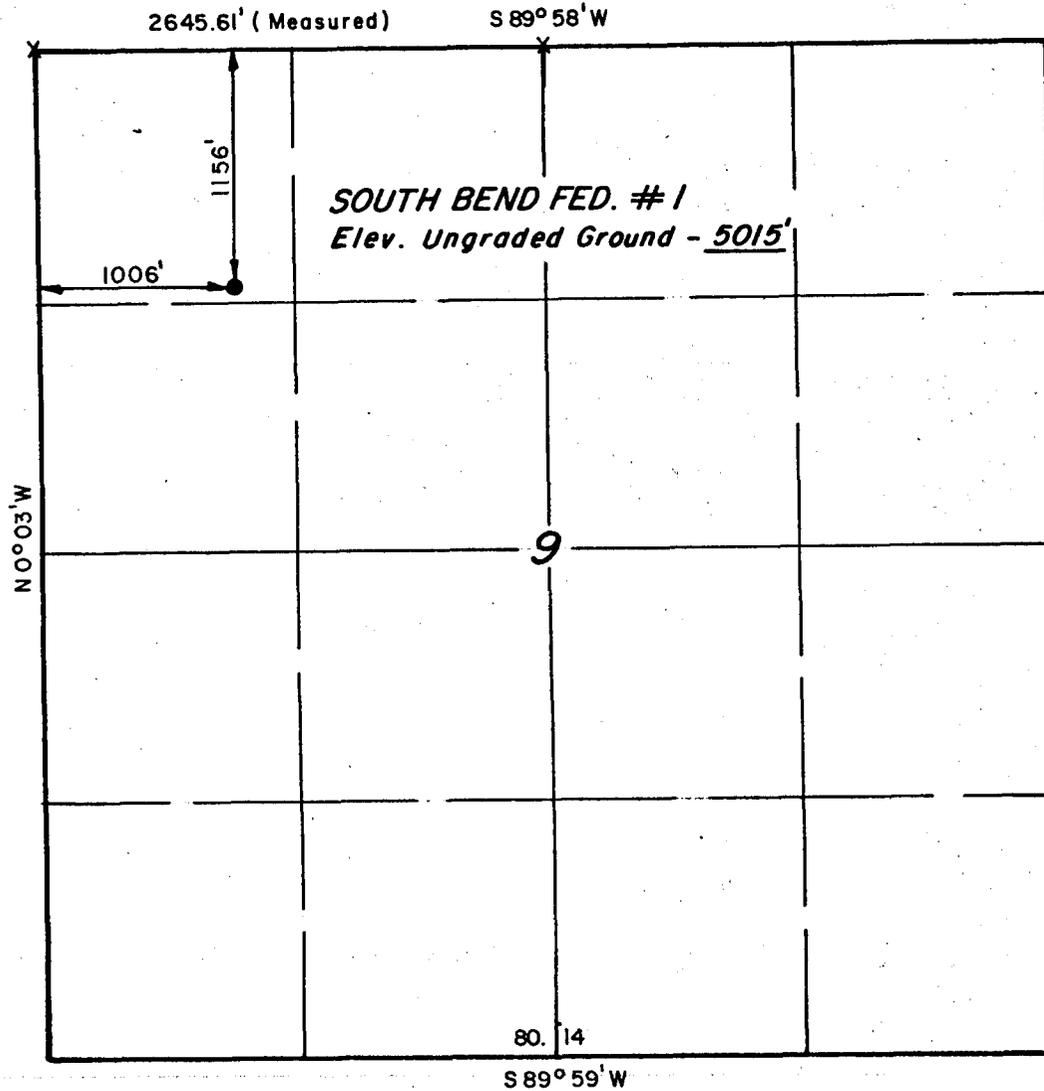
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

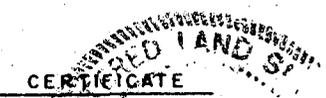
T 7 S , R 2 2 E , S . L . B . & M .

PROJECT
TXO PRODUCTION CORP.

Well location, *SOUTH BEND FED. #1*,
located as shown in the NW1/4 NW1/4
Section 9, T7S, R22E, S.L.B.&M.
Uintah County, Utah.



SOUTH BEND FED. #1
Elev. Ungraded Ground - 5015'



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.

Gene Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO. 13184
STATE OF UTAH

| | | | |
|---|---------------|------------|----------|
| UINTAH ENGINEERING & LAND SURVEYING P. O. BOX Q - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078 | | | |
| SCALE | 1" = 1000' | DATE | 6/24/85 |
| PARTY | JKPK BW JW RP | REFERENCES | GLO Plat |
| WEATHER | Fair | FILE | TXO |

X = Section Corners Located

DRILLING PLAN

DATE: June 28, 1985

WELL NAME: South Bend Federal "A" #1

SURFACE LOCATION: 1157' FNL, 1007' FWL, Section 9-T75-R22E
Uintah County, Utah

FEDERAL OIL & GAS LEASE NO.: U-56958

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

I. DRILLING PROGRAM

1. SURFACE FORMATION: Duchesne River
2. ESTIMATED FORMATION TOPS:

| | |
|----------------|-------|
| Uinta | 1408' |
| Uinta "B" Zone | 2708' |
| Green River | 2960' |
| Total Depth | 3000' |
3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Zones: Uinta "B" Zone 2708' gas, water
Green River Zone 2960' gas, water, oil
4. PRESSURE CONTROL EQUIPMENT:
 - A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi will be installed. See Exhibit 1.
 - B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.
 - C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.
 - D. The equipment in A and B will be pressure-tested to 1500 psi before drilling surface pipe cement. The blowout preventer will be tested for operations daily and during trip with the results entered into the drilling log.
5. CASING PROGRAM AS PER FORM 3160-3.

6. MUD PROGRAM:

- 0-2400' Water until hole conditions dictate the use of mud.
- 2400'-TD' LSND mud at 9.0-9.4 lbs./gallon with viscosity of 35-50 seconds and less than 10 cc WL API will be used.

7. CORING, LOGGING, TESTING PROGRAM:

- A. No coring is anticipated.
- B. Logging program will consist of: SP-GR-DIL and FDC-CNL from TD to surface pipe.
- C. DST's will be made of potential gas zones

8. ABNORMAL CONDITIONS:

- A. No abnormal pressures or temperatures are expected.
- B. No hazardous gases such as H₂S are expected.

9. 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.

10. ANTICIPATED STARTING DATES:

| | |
|-----------------------------|-----------------|
| Start location construction | August 5, 1985 |
| Spud date | August 9, 1985 |
| Complete drilling | August 19, 1985 |
| Completed | August 25, 1985 |

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

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 the intersection of U.S. 40 and Utah 45 in Naples, Utah proceed south on Utah 45 for 14.7 miles and turn right onto a dirt road. Head westerly for 2.3 miles then turn right onto the proposed access road (flagged) 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: The existing roads should not require any upgrading. During wet periods some maintenance may be necessary to allow passage by drilling rig and well servicing vehicles. Dry periods may necessitate watering portions of the road to control dust.

2. PLANNED ACCESS ROAD

Approximately 200 feet of new access road is necessary. This road will be flat-bladed for the drilling and completion phase. Should the well prove economically productive, the road will be crowned and ditched to provide adequate drainage according to BLM specifications. See Exhibit 4.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Injection Wells-None
- C. Abandoned Wells- Two
- D. Temporarily Abandoned Wells-None
- E. Disposal Wells-None
- F. Producing Wells - Three
- G. Drilling 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 blow-down 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 be built in accordance with NTL-2B IV.4. specifications for disposal of less than five barrels of produced water per day. In the event the volume of produced water exceeds 5 BWPD, TXO will investigate alternate disposal methods and obtain approval as required by NTL-2B. All connection work will be done by an oil field service company using standard oil field materials and practices.
 4. Protective devices and measures to protect livestock and wildlife: The water production pit and blowdown pit will be fenced with barbed wire to protect livestock and wildlife.

B. Off-well pad production facilities

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

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water will be obtained from the Green River in Section 7-T6S-R22E. TXO will secure a valid water permit from the State of Utah Engineer for the proposed supply source.
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler along route shown in green on Exhibit 2.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: TXO anticipates that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled immediately adjacent to the west side of the pad for later use during rehabilitation on the disturbed areas. Excess excavated material from cuts will be stockpiled on the south side of the reserve pit. Refer to Exhibit 7.

- B. Identify if from Federal or Indian Land: The affected land is Federal and under the jurisdiction of the Bureau of Land Management.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit. While drilling with air or gas, a dust arresting system will be installed on the blow line.
- C. Produced fracing fluids will be directed to the reserve pit for evaporation.
- D. Sewage: A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a trash bin and disposed of in a sanitary landfill after drilling and completion operations are finished.
- 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 drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 7.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 7.
- C. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure should prove too porous or is highly fractured, a 2 to 4 inch layer of bentonite or other suitable liner will be placed in the pit to prevent excessive seepage and possible groundwater contamination.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, leveling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes filled. The reserve pit will be allowed to dry and then backfilled. Cuttings, drilling muds, and other spent materials directed to the reserve pit pursuant to Item 7 above will be buried in the pit. Disturbed areas of the pad not needed for production facilities will be graded to an appearance consistent with the natural contours. These areas will then be covered with topsoil, disced and seeded with a 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 covered with topsoil, disced, and seeded with a BLM-recommended mixture. Shrubby plants removed during road construction will be scattered randomly along the road to provide a natural appearance, control erosion and enhance seed distribution.
- C. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately August 25, 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. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located on a gently sloping bench overlooking Baser Wash. The soil in the area consists of a sandy clay loam. The climate is semi-arid resulting in moderate ground cover primarily comprised of big sagebrush, juniper, and native grasses. Animals inhabiting the area include birds and common small mammals such as mice, rabbits and gophers. Deer are also present, especially on the bottomlands adjacent to Green River.
- B. Other surface-use activities include: Oil and gas production and livestock grazing, and electric power transmission.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The green River is about 3 miles northwest of the location. There are no occupied dwellings in the area. A cultural resource survey has been requested and the results will be forwarded to the Bookcliffs Resource Area Office of the BLM.

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

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

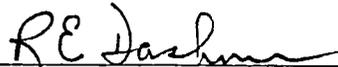
R.E. Dashner
District Drilling & Production Manager
TXO Production Corp.
1800 Lincoln Center Building
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 690-5658 - Residence

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
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 sub-contractors 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 28, 1985



R.E. Dashner
District Drilling Manager

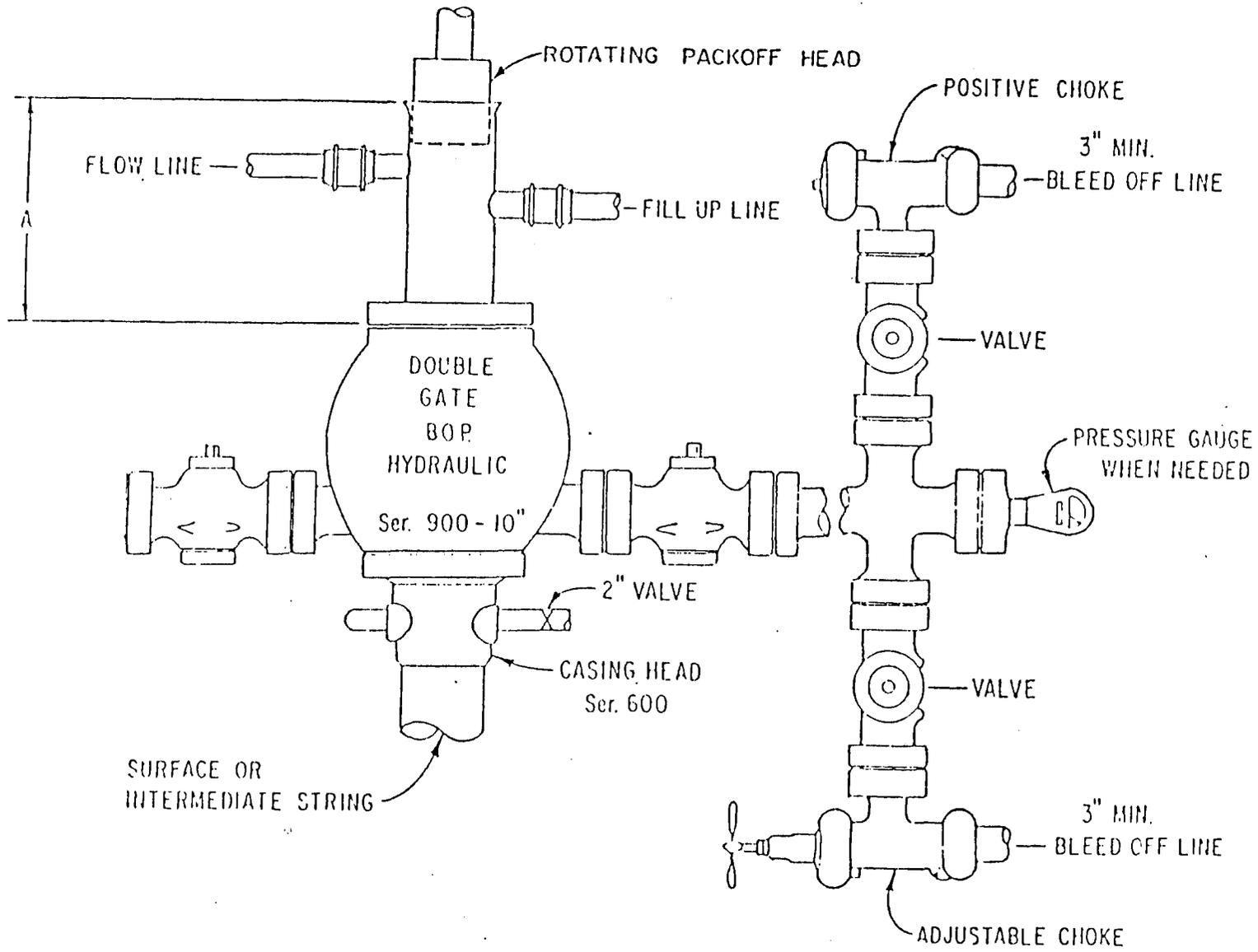
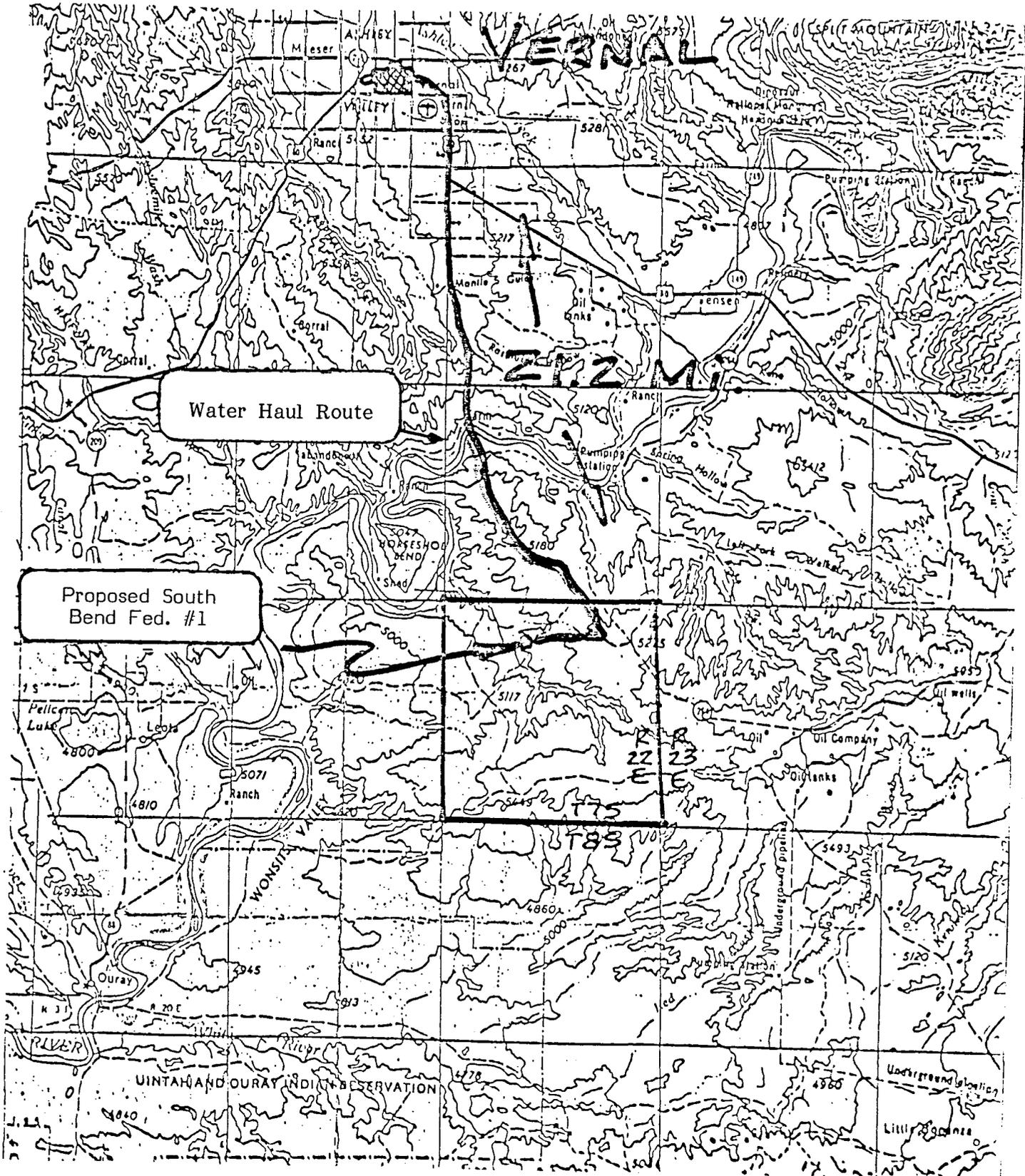


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM



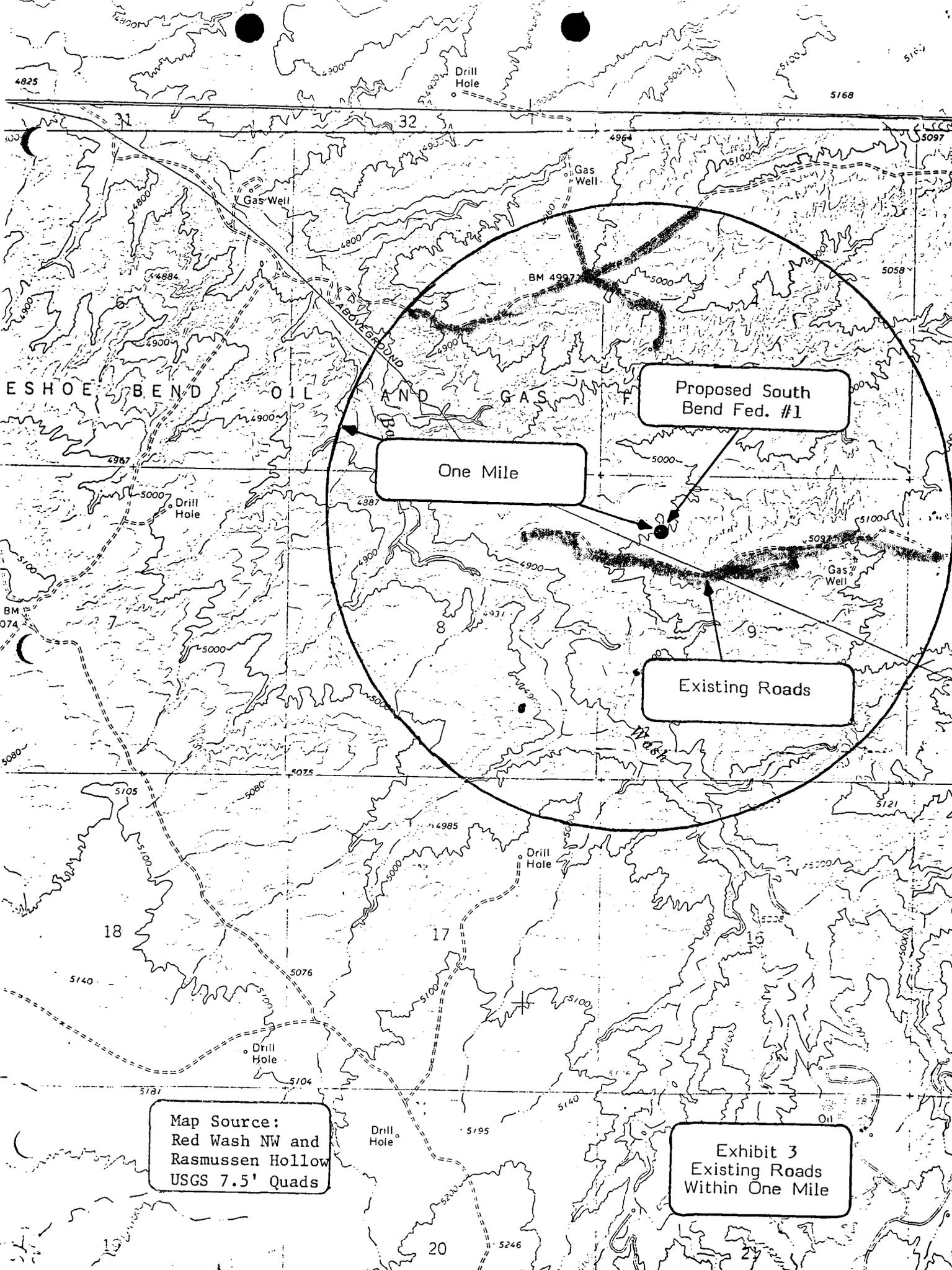
Water Haul Route

Proposed South Bend Fed. #1

Map Source: Vernal
S.E. 7.5' USGS
Quad



Exhibit 2
Access Route



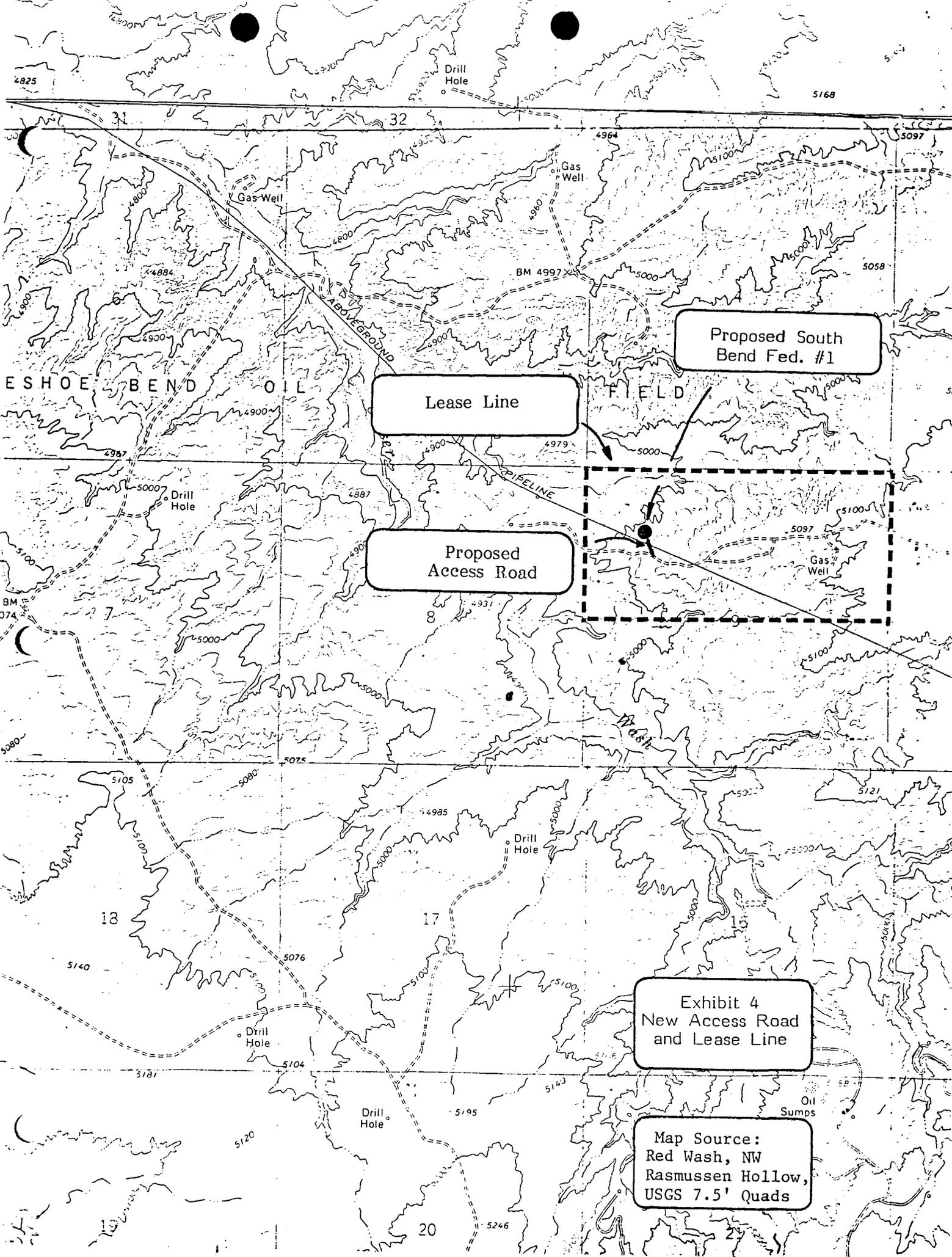
Proposed South Bend Fed. #1

One Mile

Existing Roads

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

Exhibit 3
Existing Roads
Within One Mile



Proposed South Bend Fed. #1

Lease Line

Proposed Access Road

Exhibit 4
New Access Road
and Lease Line

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

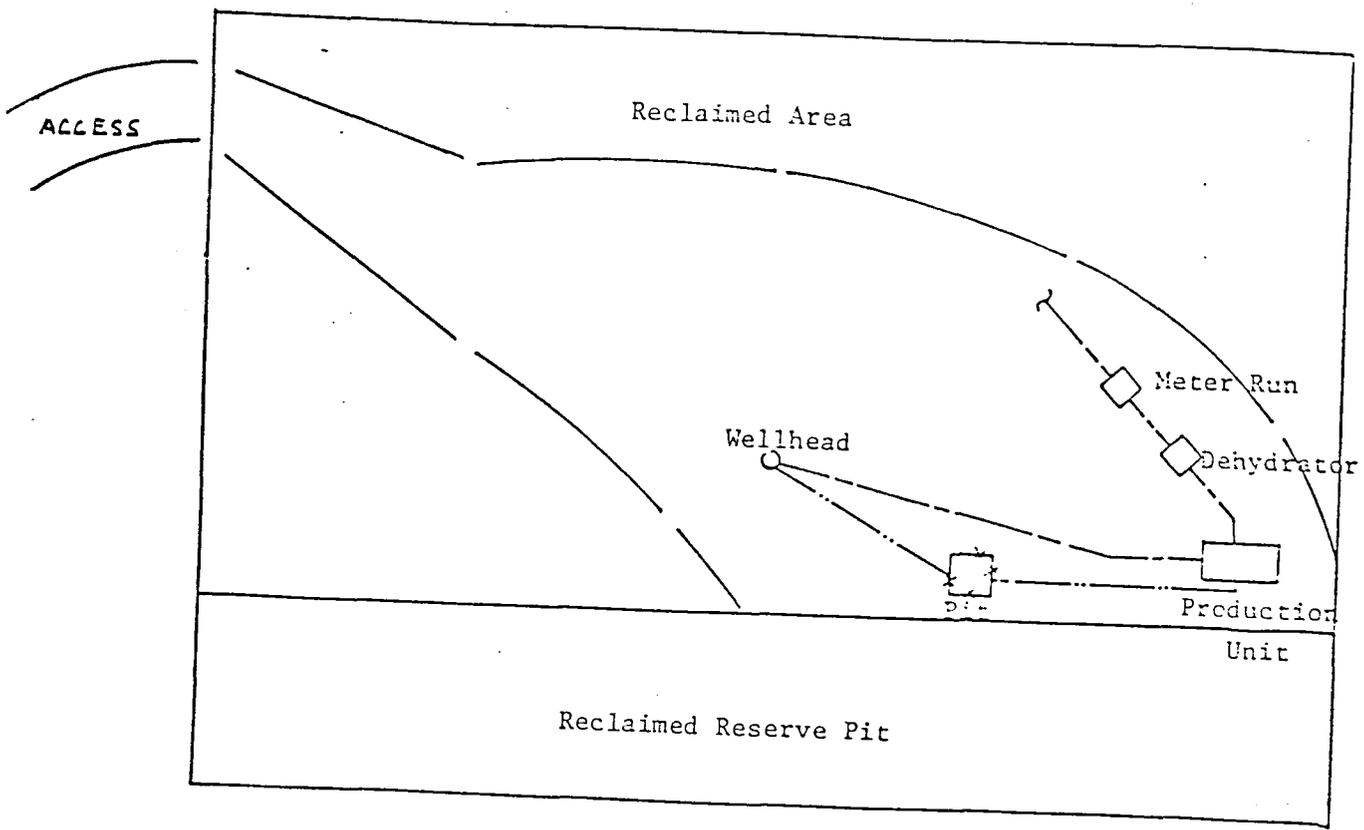


EXHIBIT 6

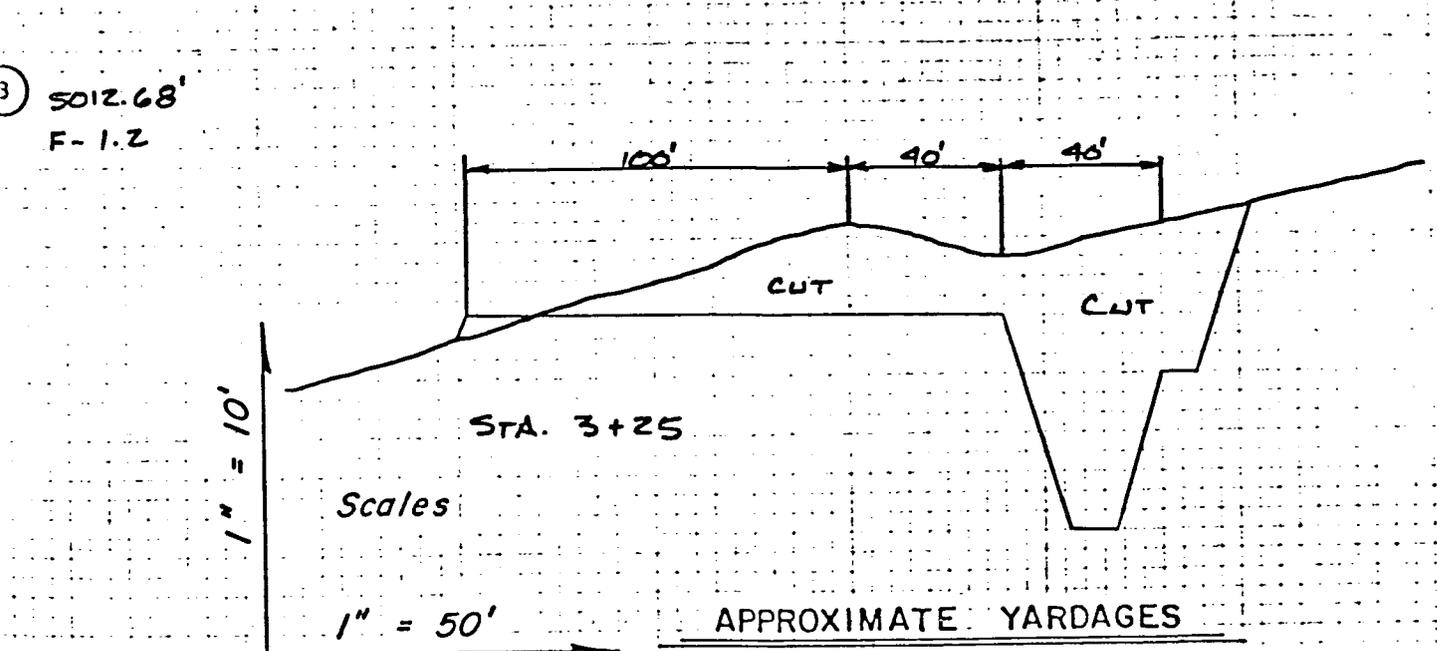
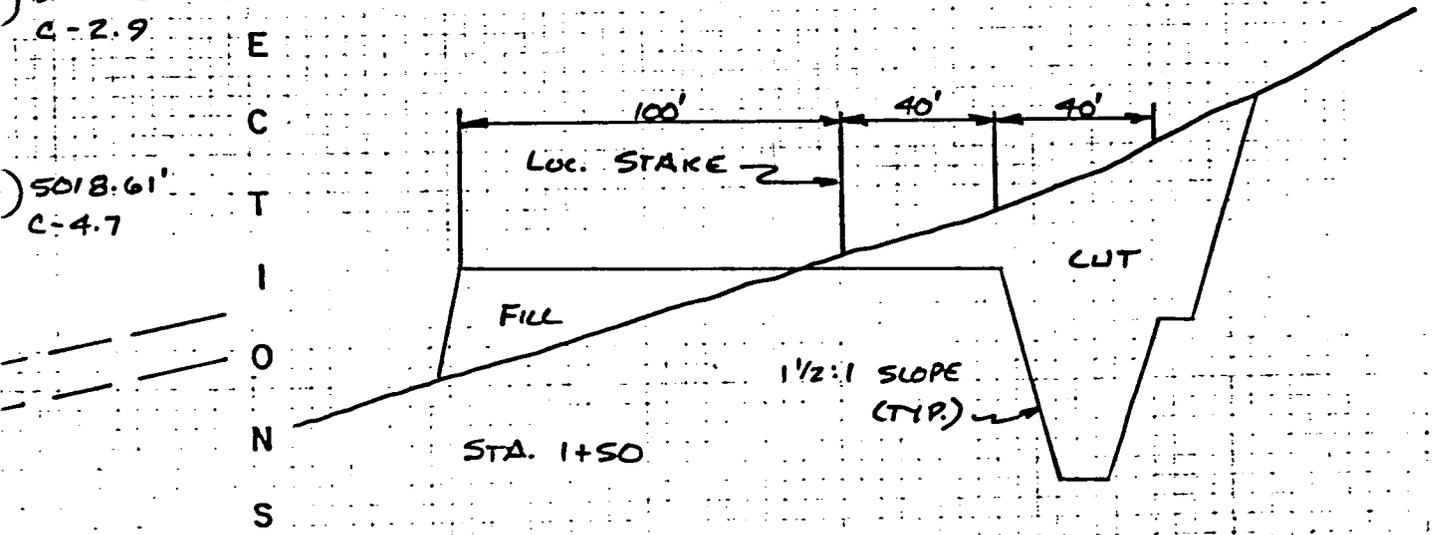
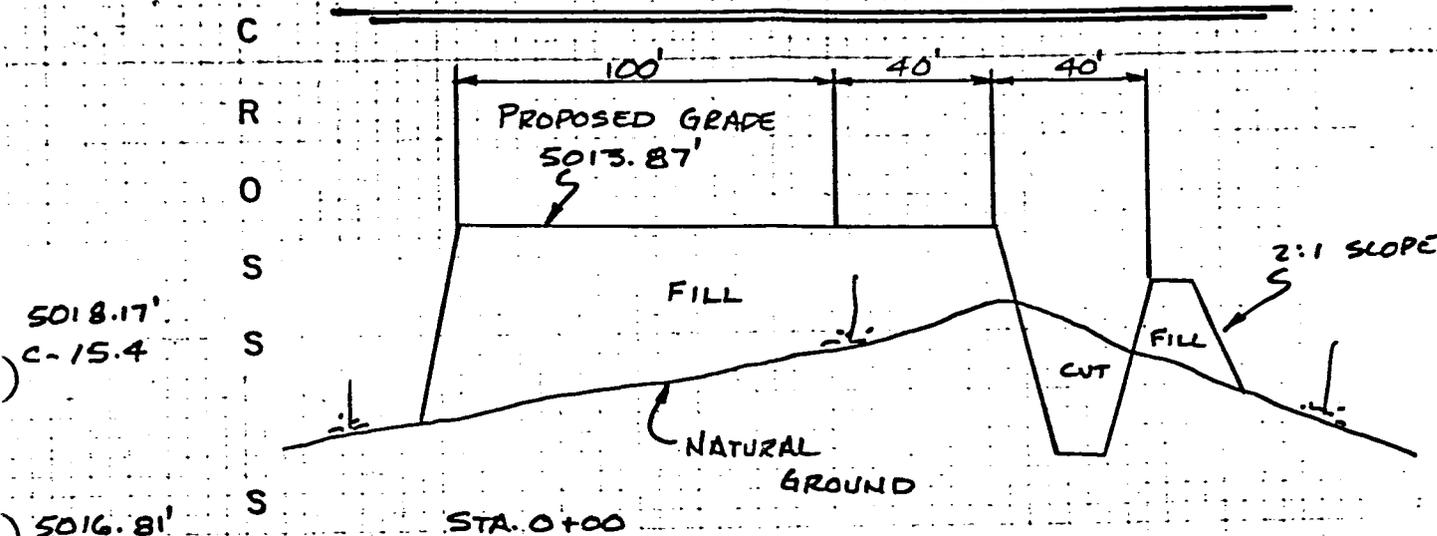


Scale 1" = 50'

PRODUCTION FACILITIES
SOUTH BEND FEDERAL #1

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

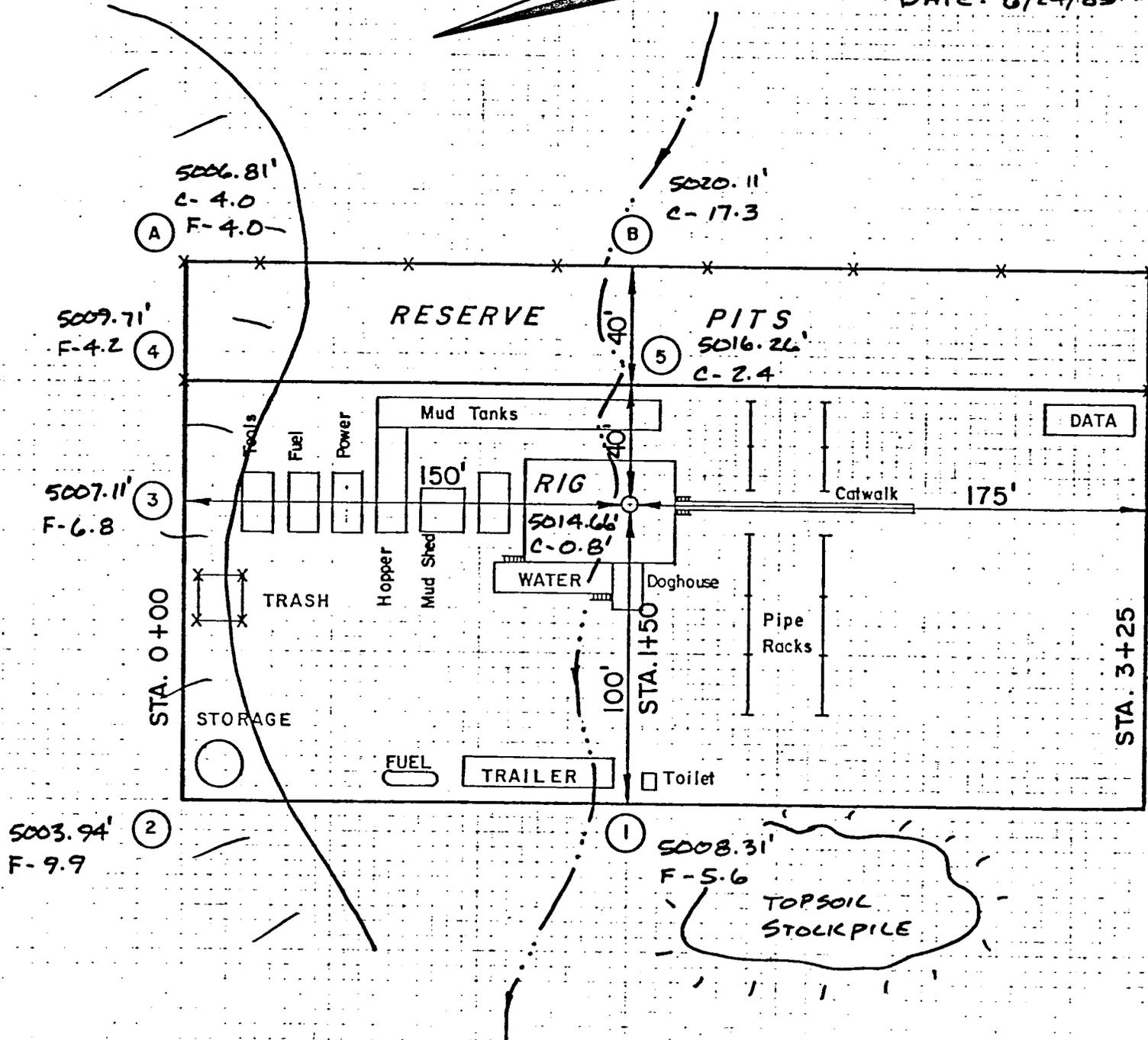
TAO PRODUCTION CORP.
South Bend Fed. #1



APPROXIMATE YARDAGES

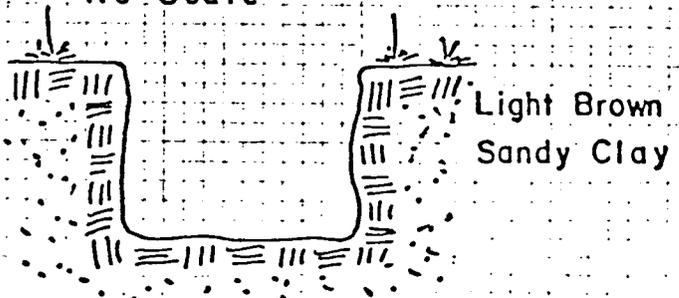
Cu. Yds. Cut - 8130
 Cu. Yds. Fill - 5500

SCALE: 1" = 50'
DATE: 6/24/85



SOILS LITHOLOGY

- No Scale -



CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company TXO Production Corporation Well No. Cities South Bend A No. 1

Location Sec. 9 T7S R22E Lease No. U-34364

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 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

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. Anticipated Starting Dates and Notifications of Operations

Location construction: Late August

Spud date: About a week after construction is started

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.

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

B. THIRTEEN POINT SURFACE USE PLAN

7. 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 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.

8. Source of Construction Material

Road surfacing and pad construction material will be obtained from materials encountered along the access road and at the proposed pad location.

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

9. 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.

10. Well Site Layout

The reserve pit will be located as indicated.

The stockpiled topsoil will be stored near stake No. 2 and between stakes No. 6 and 7. Two separate piles are authorized for the topsoil.

Access to the well pad will be from near stake No. 2.

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

11. 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.

12. Other Information

The lessee/operator is given notice that the area has been identified as crucial pronghorn (antelope) habitat. Modifications may be required in the Surface Use Plan to protect the pronghorn during the kidding period of May 15 to June 20.

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

OPERATOR TXO Production Corp

DATE 7-23-85

WELL NAME So. Bend #1

SEC NW NW 9 T 7S R 22E COUNTY Wintab

43-047-31669
API NUMBER

Lease
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Needs water
No other wells in section.

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a 145-B 8/22/85
CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1- Water



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

August 26, 1985

TXO Production Corporation
Attention R. K. Urnovitz
1800 Lincoln Center Building
Denver, Colorado 80264

Gentlemen:

Re: Well No. South Bend Federal #1 - NW NW Sec. 9. T. 7S, R. 22E
1156' FNL, 1006' FWL - Uintah County, Utah

Approval to drill the above-referenced gas well is hereby granted in accordance with the Order of Cause No. 145-8 dated August 22, 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.

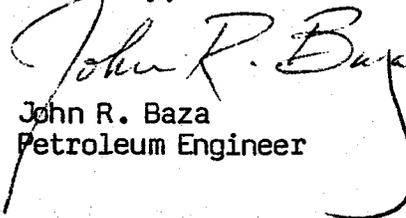
In addition, the following actions are necessary to fully comply with this approval:

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.
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.

Page 2
TXO Production Corporation
Well No. South Bend Federal #1
August 26, 1985

The API number assigned to this well is 43-047-31669.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza". The signature is written in dark ink and is positioned above the typed name and title.

John R. Baza
Petroleum Engineer

jbl
Enclosures
cc: Branch of Fluid Minerals

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

September 11, 1985

RECEIVED

SEP 13 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: South Bend Federal #1
Sec. 43-T7S-R22E
Uintah County, Utah

Gentlemen:

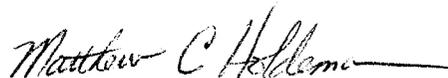
Please be advised that TXO Production Corp. would appreciate having the above referenced well considered a tight hole effectively immediately.

Enclosed please find Forms #9-331 (Sundry Notices and Reports on Wells), both in triplicate notifying you of the spudding of the above referenced well & casing alteration.

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

RECEIVED

SEP 13 1985

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DIVISION OF OIL
& MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other SEP 3 1985

2. NAME OF OPERATOR
TXO Production Corp.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1156' FNL & 1006' FWL
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 | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) | <input type="checkbox"/> | | <input type="checkbox"/> |

5. LEASE
U-56958

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
South Bend Federal

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9, T7S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-31669

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5015' GR, 5028' KB

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

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

TXO Production Corp. changed the grade of the 8-5/8" surface casing for the South Bend Federal #1 from K-55 to J-55. 8 JTS of 8-5/8", 24.0#, J-55, ST&C casing were set to 345' KB at 12:30 p.m. on 9/8/85.

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 Sept. 9, 1985

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

RECEIVED
SEP 13 1985

1. oil well gas well other

2. NAME OF OPERATOR
TXO Production Corp.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1156' FNL & 1006' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

DIVISION OF OIL
GAS & MINING

5. LEASE
U-56958

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
South Bend Federal

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9, T7S-R22E

12. COUNTY OR PARISH
Utah

13. STATE
Utah

14. API NO.
43-047-31669

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5015' GR, 5028' KB

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

(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 South Bend Federal #1 @ 9:30 a.m. on 9/6/85. Ram Drilling Co. drilled to 350' and set 8-5/8", 24.0%, J-55, ST&C surface casing to 345' KB. The rotary contractor is Olsen Drilling Rig #5 which commenced drilling @ 3:00 a.m. on 9/9/85. The spud was reported verbally to Mary Smuin at the BLM in Vernal @ 10:20 a.m. on 9/9/85 and to Arlene at the Utah Division of Oil, Gas & Mining @ 10:25 a.m. on 9/9/85.

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 Sept. 9, 1985

(This space for Federal or State office use)

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

WELL NAME: South Bend Federal #1
AREA: Horseshoe Bend
LOCATION: Sec. 9-T7S-R21E
COUNTY: Uintah
STATE: Utah
FOOTAGE: 1156' FNL & 1006' FWL

PTD: 3000'
ELEVATIONS: 5028' KB, 5015' GL
CONTRACTOR: Olsen
AFE NUMBER: 852524
LSE NUMBER: 76583
TXO WI: 75%

09/23/85 3005' PBD, isolated perfs 2634-2638'. TP 0#, CP 0#. IFL @ 1100'.
Retrieve RBP & TOOH w/ RBP, pkr & tbg. RU Go. Set CIBP @ 2625'.
Test plug to 1000# for 5 min. Held OK. ND BOP & tbg head. Pull
slips, FP & cut off @ 753'. Stuck cut off tool @ approx 650'. Work
tool & pull line in two. Left 30' of line in hole w/ CCL & cut off
tool. POOH & LD csg. Tool not in csg. RIH w/ spear on wireline.
Latch onto fish & POOH. TIH & set 3 sxs cmt on CIBP. TOOH to 850'.
Set 40 sxs cmt plug from 950-750'. TOOH to 450' & set 70 sxs cmt plug
from 450-250'. TOOH to 60' & set 25 sxs cmt plug @ surface. Install
dry hole marker. RR @ 4:30 PM on 9/22/85. Well is P & A. FINAL
REPORT!!! DW: 8376. CW: 160,583.

| | | | |
|------------|-----------------------|-------------|--------------------|
| WELL NAME: | South Bend Federal #1 | PTD: | 3000' |
| AREA: | Horseshoe Bend | ELEVATIONS: | 5028' KB, 5015' GL |
| LOCATION: | Sec. 9-T7S-R21E | CONTRACTOR: | Olsen |
| COUNTY: | Uintah | AFE NUMBER: | 852524 |
| STATE: | Utah | LSE NUMBER: | 76583 |
| FOOTAGE: | 1156' FNL & 1006' FWL | TXO WI: | 75% |

- 09/15/85 3065' (0'), RD & MO RT. Green River. RU BJ Titan cmt csg. Pumped 20 bbls of mud flush & 5 bbls of wtr spacer. Cmt'd w/ 290 sxs of Cl "G" w/ 3% KCl 1/2% turb inducer, & 1/8#/sx celloflake. Displ w/ 48 bbls of 2% KCl wtr. PD @ 8:23 AM. BP @ 1500#. Float held. Rec full returns. RD BJ Titan, ND BOP. Set slips. RR @ 12:14 9/14/85. Drop from report until completion begins. DW: 9600. CW: 113,945. DD 9.
- 09/18/85 2987' PBTD, MI & RU Temple W.S. Rig #1. ND WH. NU BOP. RIH w/ sinker bar & gauge ring. Tag PBT D @ approx 3000'. POOH w/ gauge ring. RU 4-1/2" csg swab & lubricator. Made 8 swab runs. Rec approx 38 bbls. RD swab. RU Go. Run GR-CCL. FL @ 2550'. Correlate perms to log dated 9/13/85. PBT D @ 2987'. POOH. RIH w/ 3-1/8" csg gun & perf 2912-2923' w/ 2 JSPF (23-0.36" dia holes). Gas to surface 15 min after perf. RD Go. Very lite blow. RU & make 1 swab run. Pull 400' of fluid. Well blowing on its own. RD swab. RU orifice tester. Left well flowing on 1/4" orifice overnight. SDFN. In AM flowing w/ 70# on 1/4" orifice (12 hr test). FARO 115 MCFD. DW: 3500. CW: 117,445.
- 09/19/85 3005 PBTD, in AM well flowing w/ 70# on 1/8" orifice (118 MCFD). TIH w/ 3-7/8" bit, csg scraper, SSN & 96 jts 2-3/8" tbg & tag @ 3005'. TOOH. LD bit & csg scraper. PU pkr & TIH. Set pkr @ 2897'. PT annulus to 2000# for 15 min. Held OK. RU Western & acidize well w/ 1250 gals 10% HCl mud acid w/ proper additives & 750 SCF N₂/bbl. Dropped (50) 7/8" RCN ball sealers. MTR 7 BPM, ATR 7 BPM, MTP 6000#, ATP 3000#. Well broke @ 3600#. Good ball action. Balled off @ end of displ. ISIP 5600#, (5 min) 2100#, (10 min) 1250#, (15 min) 900#. Surge balls off. Well blew dn in 10 min. RU swab. Tbg dry. Unset pkr & made 3 wiper runs to knock balls off. Reset pkr. Swab 10 bbls. Well dead w/ no suction or blow. SWI. SDFN. In AM SITP 90#. DW: 8360. CW: 125,805.
- 09/20/85 3005' PBTD, in AM SITP 90#. RU swab. IFL @ 2750'. Pull 100' of fluid. Well KO. Flowing w/ 60# on a 1/4" orifice plate (100 MCFD). Made 5 runs @ 1 hr intervals. Fluid entry rate 0.4 BPH. Made 6 runs @ 30 min intervals. All 6 runs dry. LWOTPON on 1/4" orifice plate. SDFN. Flowed @ 30# FTP on 1/4" plate (60 MCFD) overnight. DW: 14,180. CW: 139,985.
- 09/21/85 3005' PBTD, FTP 30#. No fluid. SI tbg from 8 AM to 10 AM. SITP 100#. Well blew dn in 10 min. Unset pkr. Swab well dn to 2100'. TOOH. RU Go. Perf 2634-2638' (1 JSPF, 0.36" dia) & 2854-2858' (1 JSPF, 0.36" dia). Total of 10 holes. RD Go. TIH w/ RBP, pkr, SSN, & 92 jts 2-3/8" tbg. Set RBP @ 2897'. POOH 10 jts. Set pkr @ 2588'. Test pkr to 2000# for 15 min. Held OK. RU swab. IFL @ 1200'. Made 4 runs, tbg dry. No gas. Wait 1/2 hr. Had 600' of fluid entry. Swab dry. LWOTPON on 1/4" orifice. SDFN. DW: 5820. CW: 145,805.
- 09/22/85 3005' PBTD, open perms 2634-2638' & 2854-2858' comingled. FTP 0#, SICP 0#. RU swab. IFL @ 1000'. Runs @ 15 min intervals had 600' of fluid entry. Reset pkr @ 2806' to isolate perms 2854-2858'. Swab dry in 2 runs. 1/2 hr runs yield 75' fluid entry. RU Western & acidize w/ 2000 SCF N₂ pad, 500 gals 10% HCL mud acid w/ additives & 1000 SCF N₂/bbl & 10 ball sealers. Fm broke @ 3000#. Treat @ 2500# @ 5 BPM combined until balls on. Flush w/ nitrified KCl wtr. Finish flush @ 5 BPM & 3200#. Good ball action. No ball off. MTP - 3200#, ATP - 2500#. MTR 5 BPM, ATR 5 BPM. ISIP 1900#, 5 min 1650#. Pumped 22,000 SCF N₂, 12 bbls acid & 8 bbls KCl wtr. Open well to pit. Dead in 10 min. Rec approx 8 BW. Swabbed well. No fluid. Slight show of gas. Made 6 runs @ 1/2 hr intervals. All dry. Rel pkr & retrieve RBP. Set RBP @ 2806' & PT to 1000# for 10 min. Held OK. Set pkr @ 2588' to isolate perms 2634-2638'. Swab to pit @ 15 min intervals. Had 600' of fluid entry per run (approx 6 BPH). SWI. SDFN. DW: 6402. CW: 152,207.

| | | | |
|------------|-----------------------|-------------|--------------------|
| WELL NAME: | South Bend Federal #1 | PTD: | 3000' |
| AREA: | Horseshoe Bend | ELEVATIONS: | 5028' KB, 5015' GL |
| LOCATION: | Sec. 9-T7S-R21E | CONTRACTOR: | Olsen |
| COUNTY: | Uintah | AFE NUMBER: | 852524 |
| STATE: | Utah | LSE NUMBER: | 76583 |
| FOOTAGE: | 1156' FNL & 1006' FWL | TXO WI: | 75% |

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

- 09/07/85 350' (350'), running 8-5/8" csg. Duchense River. MIRU Ram Drlg. Drld to 350'. Stuck in hole w/ mud ring. ST 2 jts. TIH. TOOH. SDFN. Spud @ 9:30 AM 9/6/85. DW: 9275. CW: 9275. DD 1.
- 09/08/85 350' (0'), WO Olson Rig to RU. Duchense River. RAM Drlg ran 8 jts 8-5/8", 24.0#, J-55, ST&C csg to 345'. RU BJ Hughes. Pump 15 bbls of gel wtr & 10 bbls H₂O. Had full returns to surface. Cmt csg w/ 100 sxs 50/50 poz w/ 2% gel, 2% CaCl₂, 1/4# celloflake. Tail w/ 40 sxs Cl "G" cmt w/ 2% CaCl₂, 1/4# celloflake. RD BJ Hughes. WO Olsen to MIRU. DW: 7750. CW: 17,025. DD 2.
- 09/09/85 550' (200'), drlg. Duchense River. 1/2° @ 364'. Finish MIRU Olsen Rig #5. PU DC & RIH. Test BOP 2000# 15 min, all held. Drld float collar & shoe. Drld ahead to 550'. DW: 5750. CW: 22,775. DD 3.
- 09/10/85 1920' (1370'), drlg. Uintah. 8.5, 27. 3/4° @ 866'. 1° @ 1350. Drld from 550' to 674'. Lost approx 150 bbls Native mud. Drld ahead to 1661'. TFB #3. TIH & hit fill @ 1561' (100' fill). Wash & ream to 1661'. Drld ahead to 1920'. Trace of background gas. DW: 18,620. CW: 41,395. DD 4.
- 09/11/85 2825' (905'), drlg. Uinta "B". 9.0, 42, 8.8, 10. 1-1/4° @ 1629'. 1° @ 2134'. 2-1/4° @ 2620'. Drld to 2500'. Mudded up. No problems. Resumed drlg. Top of Uinta "B" @ 2714'. Drlg breaks: 2714-2719', 5-2-5 MPF, 5-14-5 units gas. 2750-2758', 5-1.5-5 MPF, 5-36-5 units gas. All gas was methane. DW: 13,740. CW: 55,135. DD 5.
- 09/12/85 3065' (240'), logging. Green River @ 3025'. 9.3, 53, 8, 10. 3° @ 6000'. Drld from 2825 to 3013'. TFB #4. Left tip of cone in hole. TIH & hit bridge @ 2145'. Wash & ream 2187-2857'. TIH to 2900'. Wash & ream to 3013'. Circ on junk. Drld ahead to 3065'. No shows. Revised Uintah "B" @ 2677'. Green River @ 3025'. Circ & cond. TOOH. Started logging 5 AM 9/12/85. DW: 5310. CW: 60,445. DD 6.
- 09/13/85 3065' (0'), TIH w/ DST tools. Green River. 9.3, 53, 8, 10. PU DST tools. Start in hole w/ 20 DC's. TOOH. Stand back tools. TIH to btm. Circ & cond. TOOH. PU DST tools. Start in hole.
- 09/14/85 3065' (0'), circ to cmt. Green River. 9.3, 53, 8, 10. Set pkr & ran DST #1 from 2912-2924' 30-60-60-120. IFP, TO w/ 4" blow in bucket. @ 6 min put on 1/4" ch. Had 27# @ 6 min (56 MCFD). Gradually increased to 64# @ 32 min (109 MCFD). FFP, TO w/ 40# on 1/4" ch (74 MCFD). Gradually increased to 71# @ 30 min (119 MCFD). Gradually decreased to 64# @ 60 min (109 MCFD). Rec 195' drlg mud. IHHP 1446#, (30 min) IFP 70-126#, (60 min) ISIP 154#, (60 min) FFP 81-126#, (120) FSIP 791#, FHHP 1440#. BHSC @ 227#, 1.75 ft³ of gas. Test was unsuccessful. Pkrs failed in 2nd SI. Rel pkrs. TOOH w/ DST tools. Start to TIH w/ 20 DC's. LD DC. PU 20 jts DP. Finish TIH. Circ & cond. TOOH & LD DP. RU csg crew. RIH w/ 75 jts 4-1/2", 10.5#, K-55, ST&C csg (3063'). RU to circ & cond to cmt. DW: 32,200. CW: 104,345. DD 8.

SEP 23 1985

DISTRIBUTION FOR TECHNICAL REPORTS

| | | | | |
|----------|----------------------|-----------------------------|--------------------|----------|
| COMPANY | TXO PRODUCTION CORP. | DEPT OF OIL GAS & MINING | SOUTH BEND FEDERAL | NO. 1 |
| CUSTOMER | SAME | FIELD HORSESHOE BEND | | |
| COUNTY | UINTAH | STATE UTAH | | |

THIS TEST ONLY ALL TESTS ON THIS WELL FJS HAS BEEN REQUESTED TO FURNISH THE FOLLOWING COMPANIES WITH TECHNICAL REPORTS AS SHOWN AT LEFT.

TXO PRODUCTION CORP.
1800 LINCOLN CENTER BLDG.
DENVER, CO 80264
ATTN: MATT HOLDEMAN

3

APCOT-FINADEL JOINT VENTURE
P. O. BOX 2159
DALLAS, TX 75221
ATTN: HOUSTON WELCH

2

+

TEXAS OIL & GAS CORP.
FIRST CITY CENTER
1700 PACIFIC AVE. LB 10
DALLAS, TX 75201-4696
ATTN: PAT CLIFFORD

2

+

BLM
UTAH STATE OFFICE BLDG.
324 SOUTH STREET, SUITE 301
SALT LAKE CITY, UT 84111-2303

1

+

STATE OF UTAH
4241 STATE OFFICE BLDG.
SALT LAKE CITY, UT 84114
ATTN: CLEON FEIGHT

1

+

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 13304F

COMPANY : TXO PRODUCTION CORP.

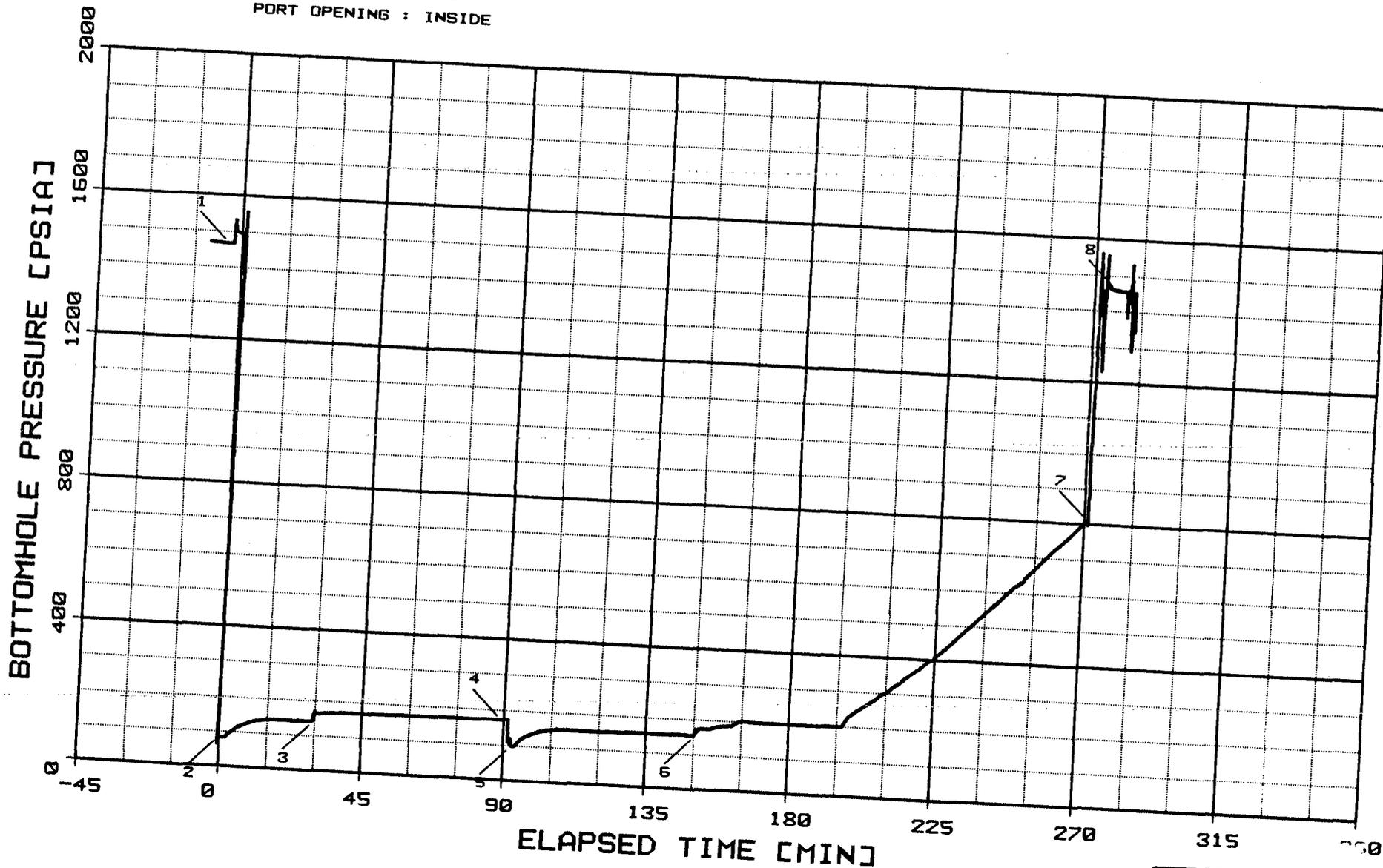
INSTRUMENT NO. J-1043

WELL : SOUTH BEND FEDERAL #1

DEPTH : 2864 FT

CAPACITY : 2800 PSI

PORT OPENING : INSIDE



 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 13304F
 COMPANY : TXO PRODUCTION CORP.
 WELL : SOUTH BEND FEDERAL #1

INSTRUMENT # : J-1043
 CAPACITY [PSI] : 2800.
 DEPTH [FT] : 2864.0
 PORT OPENING : INSIDE
 TEMPERATURE [DEG F] : 88.0

LABEL POINT INFORMATION

| # | TIME OF DAY HH:MM:SS | DATE DD-MM | EXPLANATION | ELAPSED TIME, MIN | BOT HOLE PRESSURE PSIA |
|---|-------------------------|---------------|-----------------------------|-------------------|------------------------|
| 1 | 8:38:40 | 13 | SP HYDROSTATIC MUD | -4.34 | 1466 |
| 2 | 8:43:00 | 13 | SP START FLOW | 0.00 | 83 |
| 3 | 9:12:38 | 13 | SP END FLOW & START SHUT-IN | 29.64 | 139 |
| 4 | 10:12:05 | 13 | SP END SHUT-IN | 89.08 | 171 |
| 5 | 10:15:20 | 13 | SP START FLOW | 92.34 | 96 |
| 6 | 11:13:34 | 13 | SP END FLOW & START SHUT-IN | 150.57 | 152 |
| 7 | 13:14:00 | 13 | SP END SHUT-IN | 271.00 | 809 |
| 8 | 13:19:44 | 13 | SP HYDROSTATIC MUD | 276.74 | 1458 |

SUMMARY OF FLOW PERIODS

| PERIOD | START ELAPSED TIME, MIN | END ELAPSED TIME, MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA |
|--------|-------------------------|-----------------------|--------------|---------------------|-------------------|
| 1 | 0.00 | 29.64 | 29.64 | 83 | 139 |
| 2 | 92.34 | 150.57 | 58.23 | 96 | 152 |

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 | 29.64 | 89.08 | 59.44 | 139 | 171 | 139 | 29.64 |
| 2 | 150.57 | 271.00 | 120.43 | 152 | 809 | 152 | 87.87 |

TEST PHASE : FLOW PERIOD # 1

| TIME OF DAY | DATE | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE PRESSURE PSIA |
|-------------|-------|-------------------|-----------------|------------------------|
| HH:MM:SS | DD-MM | ***** | ***** | ***** |
| 8:43:00 | 13-SP | 0.00 | 0.00 | 83 |
| 8:48:00 | 13-SP | 5.00 | 5.00 | 107 |
| 8:53:00 | 13-SP | 10.00 | 10.00 | 128 |
| 8:58:00 | 13-SP | 15.00 | 15.00 | 138 |
| 9:03:00 | 13-SP | 20.00 | 20.00 | 139 |
| 9:08:00 | 13-SP | 25.00 | 25.00 | 139 |
| 9:12:38 | 13-SP | 29.64 | 29.64 | 139 |

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 139
 PRODUCING TIME [MIN] = 29.64

| 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 | ***** | ***** | ***** | ***** | ***** |
| 9:12:38 | 13-SP | 29.64 | 0.00 | 139 | 0 | |
| 9:13:38 | 13-SP | 30.64 | 1.00 | 161 | 22 | 1.486 |
| 9:14:38 | 13-SP | 31.64 | 2.00 | 163 | 24 | 1.199 |
| 9:15:38 | 13-SP | 32.64 | 3.00 | 164 | 25 | 1.037 |
| 9:16:38 | 13-SP | 33.64 | 4.00 | 165 | 26 | 0.925 |
| 9:17:38 | 13-SP | 34.64 | 5.00 | 165 | 26 | 0.841 |
| 9:18:38 | 13-SP | 35.64 | 6.00 | 166 | 27 | 0.774 |
| 9:19:38 | 13-SP | 36.64 | 7.00 | 166 | 27 | 0.719 |
| 9:20:38 | 13-SP | 37.64 | 8.00 | 166 | 27 | 0.673 |
| 9:21:38 | 13-SP | 38.64 | 9.00 | 167 | 28 | 0.633 |
| 9:22:38 | 13-SP | 39.64 | 10.00 | 167 | 28 | 0.598 |
| 9:24:38 | 13-SP | 41.64 | 12.00 | 167 | 28 | 0.540 |
| 9:26:38 | 13-SP | 43.64 | 14.00 | 168 | 29 | 0.494 |
| 9:28:38 | 13-SP | 45.64 | 16.00 | 168 | 29 | 0.455 |
| 9:30:38 | 13-SP | 47.64 | 18.00 | 168 | 29 | 0.423 |
| 9:32:38 | 13-SP | 49.64 | 20.00 | 168 | 29 | 0.395 |
| 9:34:38 | 13-SP | 51.64 | 22.00 | 169 | 30 | 0.371 |
| 9:36:38 | 13-SP | 53.64 | 24.00 | 169 | 30 | 0.349 |
| 9:38:38 | 13-SP | 55.64 | 26.00 | 169 | 30 | 0.330 |
| 9:40:38 | 13-SP | 57.64 | 28.00 | 169 | 30 | 0.314 |
| 9:42:38 | 13-SP | 59.64 | 30.00 | 169 | 30 | 0.298 |
| 9:47:38 | 13-SP | 64.64 | 35.00 | 170 | 31 | 0.266 |
| 9:52:38 | 13-SP | 69.64 | 40.00 | 170 | 31 | 0.241 |
| 9:57:38 | 13-SP | 74.64 | 45.00 | 170 | 31 | 0.220 |
| 10:02:38 | 13-SP | 79.64 | 50.00 | 170 | 31 | 0.202 |
| 10:07:38 | 13-SP | 84.64 | 55.00 | 171 | 32 | 0.187 |
| 10:12:05 | 13-SP | 89.08 | 59.44 | 171 | 32 | 0.176 |

TEST PHASE : FLOW PERIOD # 2

| TIME OF DAY | DATE | ELAPSED TIME,MIN | DELTA TIME,MIN | BOT HOLE PRESSURE PSIA |
|----------------|-------|---------------------|-------------------|------------------------------|
| HH:MM:SS | DD-MM | ***** | ***** | ***** |
| 10:15:20 | 13-SP | 92.34 | 0.00 | 96 |
| 10:20:20 | 13-SP | 97.34 | 5.00 | 128 |
| 10:25:20 | 13-SP | 102.34 | 10.00 | 143 |
| 10:30:20 | 13-SP | 107.34 | 15.00 | 150 |
| 10:35:20 | 13-SP | 112.34 | 20.00 | 150 |
| 10:40:20 | 13-SP | 117.34 | 25.00 | 150 |
| 10:45:20 | 13-SP | 122.34 | 30.00 | 150 |
| 10:50:20 | 13-SP | 127.34 | 35.00 | 152 |
| 10:55:20 | 13-SP | 132.34 | 40.00 | 152 |
| 11: 0:20 | 13-SP | 137.34 | 45.00 | 153 |
| 11: 5:20 | 13-SP | 142.34 | 50.00 | 153 |
| 11:10:20 | 13-SP | 147.34 | 55.00 | 153 |
| 11:13:34 | 13-SP | 150.57 | 58.23 | 152 |

TEST PHASE : SHUTIN PERIOD # 2
 FINAL FLOW PRESSURE [PSIA] = 152
 PRODUCING TIME [MIN] = 87.87

| 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 | ***** | ***** | ***** | ***** | ***** |
| 11:13:34 | 13-SP | 150.57 | 0.00 | 152 | 0 | |
| 11:14:34 | 13-SP | 151.57 | 1.00 | 168 | 16 | 1.949 |
| 11:15:34 | 13-SP | 152.57 | 2.00 | 173 | 21 | 1.853 |
| 11:16:34 | 13-SP | 153.57 | 3.00 | 173 | 21 | 1.481 |
| 11:17:34 | 13-SP | 154.57 | 4.00 | 173 | 21 | 1.361 |
| 11:18:34 | 13-SP | 155.57 | 5.00 | 175 | 23 | 1.269 |
| 11:19:34 | 13-SP | 156.57 | 6.00 | 177 | 25 | 1.194 |
| 11:20:34 | 13-SP | 157.57 | 7.00 | 179 | 27 | 1.132 |
| 11:21:34 | 13-SP | 158.57 | 8.00 | 181 | 29 | 1.079 |
| 11:22:34 | 13-SP | 159.57 | 9.00 | 184 | 32 | 1.032 |
| 11:23:34 | 13-SP | 160.57 | 10.00 | 184 | 32 | 0.991 |
| 11:25:34 | 13-SP | 162.57 | 12.00 | 188 | 36 | 0.920 |
| 11:27:34 | 13-SP | 164.57 | 14.00 | 199 | 47 | 0.862 |
| 11:29:34 | 13-SP | 166.57 | 16.00 | 199 | 47 | 0.812 |
| 11:31:34 | 13-SP | 168.57 | 18.00 | 198 | 46 | 0.770 |
| 11:33:34 | 13-SP | 170.57 | 20.00 | 198 | 46 | 0.732 |
| 11:35:34 | 13-SP | 172.57 | 22.00 | 198 | 46 | 0.698 |
| 11:37:34 | 13-SP | 174.57 | 24.00 | 198 | 46 | 0.669 |
| 11:39:34 | 13-SP | 176.57 | 26.00 | 198 | 46 | 0.641 |
| 11:41:34 | 13-SP | 178.57 | 28.00 | 198 | 46 | 0.617 |
| 11:43:34 | 13-SP | 180.57 | 30.00 | 198 | 46 | 0.594 |
| 11:48:34 | 13-SP | 185.57 | 35.00 | 198 | 46 | 0.545 |
| 11:53:34 | 13-SP | 190.57 | 40.00 | 198 | 46 | 0.505 |
| 11:58:34 | 13-SP | 195.57 | 45.00 | 198 | 46 | 0.470 |
| 12: 3:34 | 13-SP | 200.57 | 50.00 | 240 | 88 | 0.440 |

TEST PHASE : SHUTIN PERIOD # 2
 FINAL FLOW PRESSURE [PSIA] = 152
 PRODUCING TIME [MIN] = 87.87

| TIME OF DAY | DATE | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|----------------|-------|----------------------|--------------------|------------------------------|----------------|-----------------------|
| 12: 8: 34 | 13-SP | 205.57 | 55.00 | 273 | 120 | 0.415 |
| 12: 13: 34 | 13-SP | 210.57 | 60.00 | 305 | 153 | 0.392 |
| 12: 18: 34 | 13-SP | 215.57 | 65.00 | 340 | 187 | 0.371 |
| 12: 23: 34 | 13-SP | 220.57 | 70.00 | 374 | 222 | 0.353 |
| 12: 28: 34 | 13-SP | 225.57 | 75.00 | 413 | 261 | 0.337 |
| 12: 33: 34 | 13-SP | 230.57 | 80.00 | 452 | 299 | 0.322 |
| 12: 38: 34 | 13-SP | 235.57 | 85.00 | 496 | 344 | 0.308 |
| 12: 43: 34 | 13-SP | 240.57 | 90.00 | 540 | 388 | 0.296 |
| 12: 48: 34 | 13-SP | 245.57 | 95.00 | 583 | 431 | 0.284 |
| 12: 53: 34 | 13-SP | 250.57 | 100.00 | 623 | 471 | 0.274 |
| 12: 58: 34 | 13-SP | 255.57 | 105.00 | 673 | 520 | 0.264 |
| 13: 3: 34 | 13-SP | 260.57 | 110.00 | 717 | 565 | 0.255 |
| 13: 8: 34 | 13-SP | 265.57 | 115.00 | 761 | 609 | 0.247 |
| 13: 13: 34 | 13-SP | 270.57 | 120.00 | 805 | 653 | 0.239 |
| 13: 14: 0 | 13-SP | 271.00 | 120.43 | 809 | 656 | 0.238 |

BOTTOM HOLE PRESSURE AND TIME DATA

15-193A

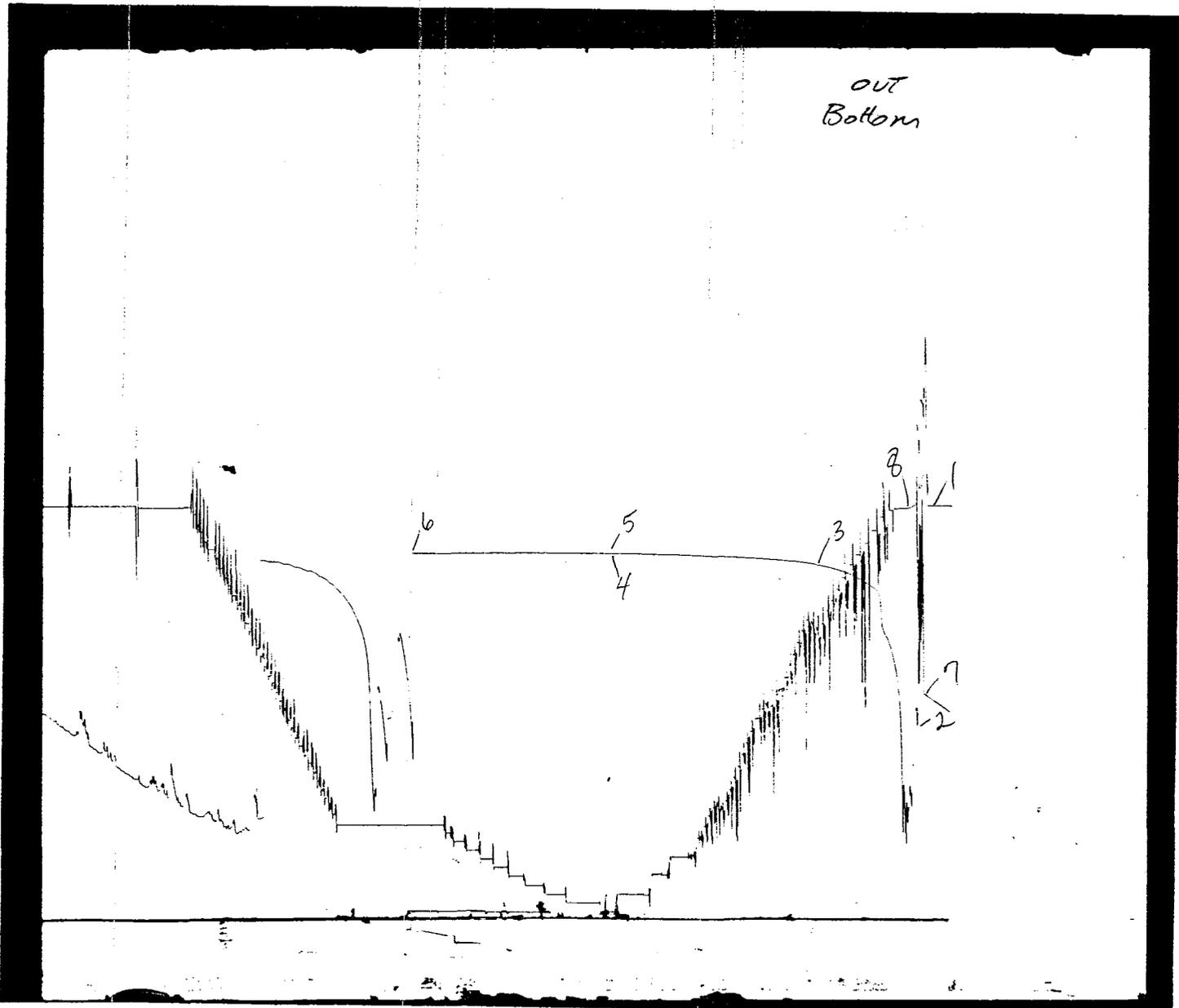
JOHN MACCO
Schlumberger

PAGE NUMBER

| | | | | | |
|---------------------------------------|--|--|--|---------------------------------------|--|
| INSTRUMENT NUMBER J-080 | | CAPACITY (P.S.I.) 2800# | | DEPTH 2930 FT. | |
| PORT OPENING BELOW STRADDLE | | BOTTOM HOLE TEMPERATURE 88° F. | | FIELD REPORT NUMBER 13304 F | |

| DESCRIPTION | LABELED POINTS | PRESSURE (P.S.I.) | GIVEN TIME | COMPUTED TIME |
|-------------------------|----------------|-------------------|------------|---------------|
| INITIAL HYDROSTATIC MUD | 1 | 1506 | | |
| INITIAL FLOW (1) | 2 | 711 | | |
| INITIAL FLOW (2) | 3 | 1294 | | |
| INITIAL SHUT-IN | 4 | 1336 | | |
| SECOND FLOW (1) | | | | |
| SECOND FLOW (2) | | | | |
| SECOND SHUT-IN | | | | |
| FINAL FLOW (1) | 5 | 1336 | | |
| FINAL FLOW (2) | 6 | 1337 | | |
| FINAL SHUT-IN | 7 | 830 | | |
| FINAL HYDROSTATIC MUD | 8 | 1498 | | |

REMARKS: INSTRUMENT RUN BELOW STRADDLE
UNSUCCESSFUL TEST; CHARTS SHOW EVIDENCE OF COMMUNICATION AROUND STRADDLE PACKER



TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

October 4, 1985

RECEIVED

OCT 15 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: South Bend Federal #1
Sec. 9-T7S-R22E
Uintah County, Utah

Gentlemen:

Enclosed please find Form #9-331 (Sundry Notices and Reports on Wells) in triplicate for the above-referenced well notifying you of our plugging operations.

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

RECEIVED

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES OCT 15 1985
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY DIVISION OF OIL
GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other P & A

2. NAME OF OPERATOR
TXO Production Corp.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1156' FNL & 1006' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE
U-56958

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
South Bend Federal

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9, T7S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-31669

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GL 5015'; KB 5028'

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)

(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. plugged & abandoned the South Bend Federal #1 on 9/22/85. The well was plugged as follows:

- 1) Set a CIBP @ 2625' and set 3 sxs cmt on top.
- 2) Cut off 4 1/2" casing @ 753' & pulled csg out of the hole.
- 3) Set a 40 sxs cmt plug from 850-650' across 4 1/2" csg stub.
- 4) Set a 70 sxs cmt plug from 450-250' across 8-5/8" csg shoe.
- 5) Set a 25 sxs cmt plug @ surface.
- 6) Installed a dry hole marker & cleaned up location.

Rehabilitation will commence as soon as possible. Verbal approval of plugs was obtained from Gerald Kenczka of the BLM-Vernal @ 5:45 p.m. on 9/22/85.

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 Sept. 26, 1985
Matthew C. Holdeman

(This space for Federal or State office use)

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

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10/16/85
BY: [Signature]

*See Instructions on Reverse Side



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

January 16, 1986

TXO Production Corporation
1660 Lincoln #1800
Denver, Colorado 80264

Gentlemen:

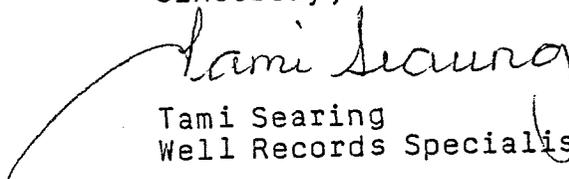
Re: Well No. South Bend Federal #1 - Sec. 9, T. 7S, R. 22E,
Uintah County, Utah - API #43-047-31669

Our office received a Notice of Intention to Abandon the above referenced well dated September 26, 1985. As of the date of this letter we have not received a subsequent notice.

If this well has been plugged and abandoned, please return the enclosed Sundry Notice indicating the plugging procedure used and the date the work was completed.

Thank you for your cooperation in this matter.

Sincerely,


Tami Searing
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0320/34

WELL PERFORMANCE

TESTING™ REPORT

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

FIELD REPORT #:
13304 F

TEST DATE:
13-SEP-85

| Company: TXO PRODUCTION CORP. | | Well: SOUTH BEND #1 | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|---|---|------------|-----|-------------------------------------|--|--|-------------------------------------|--|--|--|--|--|--|--------|------------|------------|----------|-----|--|--|--|--|--|--|--|
| TEST IDENTIFICATION | | WELL LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Type OPEN HOLE DST | Test No. 1 | Field HORSESHOE BEND | County UINTAH | | | | | | | | | | | | | | | | | | | | | | | | |
| Formation GRN.RUR.-UINTAH | Test Interval (ft) 2899 - 2924 | State UTAH | Sec/Twn/Rng S9T7SR22E | | | | | | | | | | | | | | | | | | | | | | | | |
| Reference Depth KELLY BUSHING | | Elevation (ft) NOT GIVEN | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLE CONDITIONS | | MUD PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Depth (MD/TUD) (ft) 3065/3065 | Hole Size (in) 8 | Mud Type LSND | Mud Weight (lb/gal) 9.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Casing/Liner I.D. (in) -- | Perf'd Interval/Net Pay (ft).. --/12 | Mud Resistivity (ohm.m) 1.0 @ 75 DEG.F. | Filtrate Resistivity (ohm.m).. -- | | | | | | | | | | | | | | | | | | | | | | | | |
| Shot Density/Diameter (in) ... | | Filtrate Chlorides (ppm) 400 | | | | | | | | | | | | | | | | | | | | | | | | | |
| INITIAL TEST CONDITIONS | | TEST STRING CONFIGURATION | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Hydrostatic (psi) 1466 | Gas Cushion Type NONE | Pipe Length (ft)/I.D. (in) ... NOT GIVEN/-- | Collar Length (ft)/I.D. (in).. NOT GIVEN/-- | | | | | | | | | | | | | | | | | | | | | | | | |
| Surface Pressure (psi) -- | Liquid Cushion Type NONE | Packer Depths (ft) 2899 & 2924 | Bottomhole Choke Size (in) ... 15/16 | | | | | | | | | | | | | | | | | | | | | | | | |
| Cushion Length (ft) -- | | Gauge Depth (ft)/Type 2864/MECHANICAL | | | | | | | | | | | | | | | | | | | | | | | | | |
| NET PIPE RECOVERY | | NET SAMPLE CHAMBER RECOVERY | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Volume</th> <th style="width: 25%;">Fluid Type</th> <th style="width: 50%;">Properties</th> </tr> </thead> <tbody> <tr> <td>0.96 BBLS.</td> <td>MUD</td> <td>TOP: RW=1.3 @ 69 DEG 400 PPM CL.</td> </tr> <tr> <td></td> <td></td> <td>BTM: RW=1.6 @ 71 DEG 400 PPM CL.</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Volume | Fluid Type | Properties | 0.96 BBLS. | MUD | TOP: RW=1.3 @ 69 DEG 400 PPM CL. | | | BTM: RW=1.6 @ 71 DEG 400 PPM CL. | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Volume</th> <th style="width: 25%;">Fluid Type</th> <th style="width: 50%;">Properties</th> </tr> </thead> <tbody> <tr> <td>1.75 SCF</td> <td>GAS</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | Volume | Fluid Type | Properties | 1.75 SCF | GAS | | | | | | | |
| Volume | Fluid Type | Properties | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.96 BBLS. | MUD | TOP: RW=1.3 @ 69 DEG 400 PPM CL. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | BTM: RW=1.6 @ 71 DEG 400 PPM CL. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volume | Fluid Type | Properties | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.75 SCF | GAS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTERPRETATION RESULTS | | ROCK/FLUID/WELLBORE PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | | |
| Model of Behavior | Fluid Type Used for Analysis . | Oil Density (deg. API) | Basic Solids (%) | | | | | | | | | | | | | | | | | | | | | | | | |
| Reservoir Pressure (psi) | Transmissibility (md.ft/cp) .. | Gas Gravity | Water Cut (%) | | | | | | | | | | | | | | | | | | | | | | | | |
| Effective Permeability (md) .. | Skin Factor/Damage Ratio | Viscosity (cp) | Total Compressibility (1/psi). | | | | | | | | | | | | | | | | | | | | | | | | |
| Storativity Ratio | Interporosity Flow Coeff. | Porosity (%) | NOT GIVEN | | | | | | | | | | | | | | | | | | | | | | | | |
| Distance to an Anomaly (ft) .. | Radius of Investigation (ft).. | Reservoir Temperature (F) 88 | Form.Vol.Factor (bbl/STB) | | | | | | | | | | | | | | | | | | | | | | | | |
| Potentiometric Surface (ft) .. | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PRODUCTION RATE DURING TEST: N/A

COMMENTS:

UNSUCCESSFUL TEST; STRADDLE PACKER SEAT FAILED

DST EVENT SUMMARY

Field Report # 13304 F

| DATE (M/D/Y) | TIME (HR:MIN) | EVENT E.T. (MIN) | EVENT DESCRIPTION | LABEL PT. # | SURFACE PRESSURE (PSIG) | FLOOR MANIFOLD CHOKE SIZE (64ths INCH) |
|-----------------|------------------|------------------------|--|----------------|-------------------------------|--|
| 9/13/85 | 0840 | — | SET PACKER | 1 | | BUBBLE HOSE |
| | 0843 | — | OPENED TEST TOOL FOR INITIAL FLOW | 2 | | " |
| | | | 4" BLOW IN WATER | | | |
| | 0846 | | | | 27.0 | 1/4" |
| | 0912 | | | | 64.0 | " |
| | 0913 | — | CLOSED TEST TOOL FOR INITIAL SHUT-IN | 3 | | " |
| | 1012 | | FINISHED SHUT-IN | 4 | | " |
| | 1014 | — | OPENED TEST TOOL FOR FINAL FLOW | 5 | | " |
| | 1015 | | | | 30.0 | " |
| | 1018 | | | | 48.0 | " |
| | 1040 | | | | 65.0 | " |
| | 1110 | | | | 64.0 | " |
| | 1114 | — | CLOSED TEST TOOL FOR FINAL SHUT-IN | 6 | | " |
| | 1314 | — | FINISHED FINAL SHUT-IN | 7 | | " |
| | 1315 | — | UNSEATED PACKER | 8 | | — |
| | | — | REVERSED OUT | | | |
| | | | NOTE: UNSUCCESSFUL TEST; STRADDLE PACKER FAILED | | | |
| | | — | BEGAN TRIP OUT OF HOLE | | | |

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

January 23, 1986

RECEIVED

JAN 29 1986

DIVISION OF OIL
GAS & MINING

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center Suite 350
Salt Lake City, Utah 84180-1230

Attention: Tami Searing

Re: South Bend Federal #1
Section 9-T7S-R22E
Uintah County, Utah
API# 43-047-31669

Dear Ms. Searing:

Enclosed please find Form OGC-1b "Sundry Notices and Reports on Wells" in triplicate notifying you of the plugging of the South Bend Federal #1.

Thank you for bringing this oversight to our attention.

Sincerely,

TXO PRODUCTION CORP.



Matthew C. Holdeman
Petroleum Engineer

MCH/jy

Enclosures/as stated

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

| | | |
|---|--|---|
| <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 AND SERIAL NO. U-56958</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME - - -</p> <p>7. UNIT AGREEMENT NAME - - -</p> <p>8. FARM OR LEASE NAME South Bend Federal</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND POOL, OR WILDCAT Horseshoe Bend</p> <p>11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA Sec. 9-T7S-R22E</p> <p>12. COUNTY OR PARISH Uintah</p> <p>13. STATE Utah</p> |
| <p>RECEIVED JAN 29 1986</p> | | |
| <p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> | | |
| <p>2. NAME OF OPERATOR TXO Production Corp.</p> | | |
| <p>3. ADDRESS OF OPERATOR 1800 Lincoln Center Building Denver, Colorado</p> | <p>DIVISION OF OIL & MINING</p> | |
| <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1156' FNL & 1006' FWL</p> | | |
| <p>14. PERMIT NO. 43-047-31669</p> | <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5028'</p> | |

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) _____ | |

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

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. plugged and abandoned the South Bend Federal #1 on 9/22/85. The well was plugged as follows:

- 1) Set a CIBP @ 2625' and set 3 sxs cmt on top.
- 2) Cut off 4-1/2" casing @ 753' & pulled csg out of the hole.
- 3) Set a 40 sxs cmt plug from 850-650' across 4-1/2" csg stub.
- 4) Set a 70 sx cmt plug from 450-250' across 8-5/8" csg shoe.
- 5) Set a 25 sx cmt plug @ surface.
- 6) Installed a dry hole marker & cleaned up location.

Verbal approval of plugs was obtained from Gerald Kenczka of the BIM Vernal at 5:45 PM on 9/21/85.

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

SIGNED Matthew C. Holdeman TITLE Petroleum Engineer DATE 1/23/86
(This space for Federal or State office use)

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



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

May 2, 1986

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

Gentlemen:

Re: Well No. South Bend Federal #1 - Sec. 9, T. 7S, R. 22E
Uintah County, Utah - API 43-047-31669

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log", along with copies of logs and tests run, be filed with this office not later than 90 days after P&A procedure .

Please complete and return the enclosed Form DOGM-3 or the equivalent federal form, including copies of logs and tests which may have been run on the referenced well, not later than May 22, 1986. Address the response to:

Utah Division of Oil, Gas, and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

R. J. Firth
Associate Director, Oil & Gas

ts
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Well File
Suspense File

0385S/25

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

May 14, 1986

RECEIVED
MAY 19 1986

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas & Mining
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1230

Attention: R. J. Firth,
Associate Director, Oil & Gas

Re: South Bend Federal #1
Sec. 9-T7S-R22E
Uintah County, Utah

Gentlemen:

Enclosed please find Form 09-330 (Well Completion or Recompletion Report and Log) in triplicate notifying you of the plugging and abandonment of the above-referenced well.

If you have any questions or need any additional information, please contact me at this office.

Sincerely,

TXO PRODUCTION CORP.



Russ E. Gillis
Petroleum Engineer

REG/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

4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
TXO Production Corp.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface 1156' FNL & 1006' FWL
At top prod. interval reported below Same
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.
U-56958

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
-

8. FARM OR LEASE NAME
South Bend Federal

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 9-T7S-R22E

RECEIVED
MAY 19 1986

14. PERMIT NO. 43-047-31669 | DATE ISSUED 8/26/85

12. COUNTY OR PARISH Utah | 13. STATE Utah

15. DATE SPUDED 9/6/85 | 16. DATE T.D. REACHED 9/11/85 | 17. DATE COMPL. (Ready to prod.) 9/22/85 P & A | 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 5015' GL | 19. ELEV. CASINGHEAD N/A

20. TOTAL DEPTH, MD & TVD 3065' | 21. PLUG, BACK T.D., MD & TVD Surface | 22. IF MULTIPLE COMPL., HOW MANY* N/A | 23. INTERVALS DRILLED BY → | ROTARY TOOLS 3065 | CABLE TOOLS None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-FDC-CNL: SP-DIL Log of 21' ccl 6' R&B

27. WAS WELL CORED
No

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|---------------------|----------------|-----------|------------------|---------------|
| 8-5/8" | 24 ^{1/2} | 345' | 12-1/4" | 100 SXS | None |
| 4-1/2" | 10.5 ^{1/2} | 3065' | 7-7/8" | 290 SXS | 753' |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
| N/A | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------------|-----------------|
| N/A | | |

31. PERFORATION RECORD (Interval, size and number)

2912-2923 2 JSPF 23 holes .36" dia
2634-2638 1 JSPF 5 holes .36" dia
2854-2858 1 JSPF 5 holes .36" dia

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 2912-2923 | 1250 gals 10% HCL |
| 2854-2858 | 500 gals 10% HCL |
| * See Back | |

33.* PRODUCTION

DATE FIRST PRODUCTION 9-22-85 P&A | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) P&A | WELL STATUS (Producing or shut-in) Producing

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|--------------|--------------|------------|-------------------------|----------|----------|------------|---------------|
| | | | → | | | | |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|----------|------------|-------------------------|
| | | → | | | | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | TEST WITNESSED BY

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 Russ E. Gillis | TITLE Drlg & Prod Engineer | DATE 5-15-86

860602 CP

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

INSTRUCTIONS

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

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 37.

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 POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-----------|-------|--------|---|
| Uintah | 2912' | 2924' | DST #1 - IFP, TO w/ 4" blow in bucket, increased to 64# on 1/4" ch (109 MCFD). FFP, TO w/ 40# on 1/4" ch (74 MCFD) increased to 64# (109 MCFD). Rec. 195' drlg mud. IHHP 1446#, IFP 70#-126# (30 min), ISIP 154# (60 min), FFP 81-126# (60 min), FSIP 791# (120 min), FHHP 1440#. |

*Plugged as follows:

- CIBP @ 2625' w/ 3 sxs cmt
- 40 sx cmt plug from 850-650'
- 70 sx cmt plug from 450-250'
- 25 sx cmt plug @ surface

38.

GEOLOGIC MARKERS

| NAME | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
|---------------|-------------|-----|------------------|
| Uintah | Surface | | |
| Uintah B Zone | 2703' | | |
| Green River | 3006' | | |