

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MINERALS MANAGEMENT  
SERVICE

5. LEASE DESIGNATION AND SERIAL NO.  
U-21806 51051 RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
DEC 16 1982

7. UNIT AGREEMENT NAME  
SALT LAKE CITY, UTAH

TXO USA "A"

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 20-T16S-R25E SLM

12. COUNTY OR PARISH 13. STATE

Grand

Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

WELL

WELL

WELL

WELL

WELL

2. NAME OF OPERATOR

TXO Production Corp. Attention: K.P. Laurie

3. ADDRESS OF OPERATOR

1800 Lincoln Center Building, Denver, CO 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

330' FSL, 500' FWL, Section 20-T16S-R25E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 31 miles NW of Mack, Colorado.

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

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

19. PROPOSED DEPTH

6350'

20. ROTARY OR CABLE TOOLS

Rotary

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

7215' GR

22. APPROX. DATE WORK WILL START\*

February 15, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 24"          | 16"            | Corrugated Iron | 40'           | 2 yards            |
| 12 1/4"      | 9 5/8"         | 36#             | 300'          | 150 sacks          |
| 8 3/4"       | 7"             | 20#             | 2825'         | 200 sacks          |
| 6 1/4"       | 4 1/2"         | 10.5#           | 6350'         | 200 sacks          |

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. Bruce Wright for R.E. Dashner TITLE District Drilling Engineer DATE December 14, 1982  
Ronald E. Dashner

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY W. W. Martin

E. W. Guynn

TITLE District Oil & Gas Supervisor

DATE

FEB 28 1983

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

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

STATE O & G

SEC. 20, T. 16 S., R. 25 E. OF THE S.L.M.

N89-58W.

5287.92' GLO

LOCATION PLAT

5280.00' GLO

5280.00' GLO

20

N00-03W

N00-03W

SW1/4SW1/4

TXO PRODUCTION CO.  
WELL LOCATION  
GROUND ELEV. 7215'  
SW1/4SW1/4, SEC. 20  
T.16S., R.25E., S.L.M.

500' TXO USA A#1

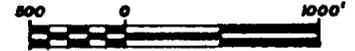
330'

N89-58W

5287.92' GLO



SCALE



LEGEND

- STANDARD LOCATION OF GLO CORNERS.
- GLO CORNERS FOUND.
- WELL LOCATION STAKED.

REFERENCE DOCUMENTS

- 1924 GLO PLAT
- SAN ARROYO RIDGE QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR TXO PRODUCTION CO.  
 AS REQUESTED BY KAREN LAURIE, TO LOCATE THE  
TXO USA A#1, 330' F.S.L. & 500' F.W. L.,  
 IN THE SW 1/4 SW 1/4, OF SECTION 20, T.16 S., R.25 E. OF THE S.L.M.  
GRAND COUNTY, UTAH



**SURVEYOR'S CERTIFICATE**

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR  
 IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS  
 SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND  
 THAT THIS PLAT REPRESENTS SAID SURVEY.

Exhibit 2  
Survey Plat

*Larry D. Becker*  
 UTAH L.S. NO. 4189

|          |         |
|----------|---------|
| SURVEYED | 8-30-82 |
| DRAWN    | 9-7-82  |
| CHECKED  | 7-7-82  |

ENERGY SURVEYS & ENGINEERING CORP.  
 1156 BOOKCLIFF AVE. NO. 4  
 GRAND JUNCTION, CO. 81501  
 303 248-7221

|           |            |
|-----------|------------|
| SCALE     | 1" = 1000' |
| SHEET NO. |            |
| SHEET OF  |            |

TXO Production Corporation  
Well No. USA "A" 1  
Section 20, T. 16 S., R. 25 E.  
Grand County, Utah  
Lease U-51051

Supplemental Stipulations

CONSTRUCTION:

- 1) The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
- 2) Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
- 3) If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area office will be contacted. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 4) Improvement to the existing road will not be necessary. The total disturbed width allowed will be as is. The allowable travel surface will be as is. Adequate maintenance will be done to insure drainage control. This will include but not be limited to ditch and crown design and drainage dips. Existing access road is covered under right-of-way grant U-48042 and maintained to a class II road.
- 5) Location: satisfactory as planned. Maintain 10 foot buffer strip on east between fill slope and cliff face. Extend pad if required to south along road for parking.
- 6) The top 10 inches of soil material will be removed from the location and stockpiled separate from the trees and vegetation on the north corner of the location.

Trees greater than 8' DBH will be cut and stockpiled on the NGC 12-20 well pad (abandoned) to the north east.

- 7) The reserve pit will be located on the northwest side of the location and will not be lined. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over.
- 8) Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 4 strands of barbed wire.

- 9) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mesaverde. Please also provide two copies of drilling logs. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

## PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled/windrowed topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. Any burning will require a permit from the State Land Forestry and Fire Control office in Moab. Contact Paul Pratt at (801) 259-6316.
4. Production facilities will be located on the west side of the location.
5. All pipelines should follow existing access routes where feasible.

## REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the portable trash cage and will be hauled to a local town dump site. Do not leave any trash in pits.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801) 259-8193, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and any trash (barrels, metal etc.) it contains will be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled/windrowed topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 12 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be broadcast/drilled at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.
8. After seeding is complete the stockpiled trees and vegetation will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent any use/vehicle use.
9. Waterbars will be used as needed on all sloping surfaces as shown below:

| <u>Grade</u> | <u>Spacing</u>  |
|--------------|-----------------|
| 2%           | 200 ft. spacing |
| 2-4%         | 100 ft. spacing |
| 4-5%         | 75 ft. spacing  |
| +5%          | 50 ft. spacing  |

SEED MIXTURE

| <u>Species</u>                  |  | <u>Rate</u><br><u>lbs/acre</u> |
|---------------------------------|--|--------------------------------|
| <u>Grasses</u>                  |  |                                |
| Agropyron inerme                | Beardless bluebunch                            | 1                              |
| Festuca thurberi                | Thurber fescue                                 | 1                              |
| Oryzopsis hymenoides            | Indian ricegrass                               | 1                              |
| Poa fendleriana                 | Muttongrass                                    | 1                              |
| <u>Forbs</u>                    |  |                                |
| Hedysarum boreale var utahensis | Utah northern sweetvetch                       | 1/2                            |
| Medicago sativa                 | Alfalfa  | 1                              |
| Penstemon palmeri               | Palmer penstemon<br>(Pind wildsnaparagon)      | 1/2                            |
| <u>Shrubs</u>                   |  |                                |
| Cercocarpus montanus            | Birchleaf mountain-mahogany<br>(True mahogany) | 1                              |
| Purshia tridentata              | Antelope bitterbrush                           | <u>1</u>                       |
|                                 |  | 8                              |



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

### SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

#### Cisco Desert and Flats below the Bookcliffs:

|               |                   |
|---------------|-------------------|
| Dynasty Green | (Sears)           |
| Tumbleweed    | (Pratt & Lambert) |
| Sage Gray     | (Pratt & Lambert) |

#### Bookcliffs Region:

|               |                   |
|---------------|-------------------|
| Sage Gray     | (Pratt & Lambert) |
| Sea Life      | (Pratt & Lambert) |
| Dynasty Green | (Sears)           |

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

December 20, 1982

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

Attention: Mr. Norm Stout

Re: TXO USA "A" #1  
Section 20-T16S-R25E  
Grand County, Utah

Gentlemen:

Enclosed is an APD/MSUOP package for the referenced well proposal. The well has been located 330' FSL, 500' FWL because that is the only topographically feasible location for a well pad in the SW/4 of Section 20-T16S-R25E.

TXO submits this Application for Permit to Drill for approval pending a hearing for the location exception in January. TXO is the lessee of the section to the south (Section 29-T16S-R25E).

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

Very truly yours,

TXO PRODUCTION CORP.



K. P. Laurie  
Environmental Scientist

KPL/BS  
Enclosure/as stated

**RECEIVED**  
DEC 23 1982

DIVISION OF  
OIL, GAS & MINING

A SUBSIDIARY OF  TEXAS  
OIL & GAS CORP.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
 TXO Production Corp. Attention: K.P. Laurie

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 330' FSL, 500' FWL, Section 20-T16S-R25E  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 31 miles NW of Mack, Colorado.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

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

19. PROPOSED DEPTH 6350' *Morrison*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7215' GR

22. APPROX. DATE WORK WILL START\* February 15, 1982

5. LEASE DESIGNATION AND SERIAL NO.  
 U-31806

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

7. UNIT AGREEMENT NAME  
 ---

8. FARM OR LEASE NAME  
 TXO USA "A"

9. WELL NO.  
 #1

10. FIELD AND POOL, OR WILDCAT  
 San Arroyo ✓

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 20-T16S-R25E SLM

12. COUNTY OR PARISH 13. STATE  
 Grand Utah

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 24"          | 16"            | Corrugated Iron | 40'           | 2 yards            |
| 12 1/4"      | 9 5/8"         | 36#             | 300'          | 150 sacks          |
| 8 3/4"       | 7"             | 20#             | 2825'         | 200 sacks          |
| 6 1/4"       | 4 1/2"         | 10.5#           | 6350'         | 200 sacks          |

RECEIVED

DEC 23 1982

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

DATE: 1-28-83  
 BY: *Ronald E. Dashner*

DIVISION OF  
 OIL, GAS & MINING

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

24. SIGNED *R. Bruce Wright for R.E. Dashner* TITLE District Drilling Engineer DATE December 14, 1982  
 Ronald E. Dashner

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

9-331 C ADDENDUM  
TXO USA "A" #1  
Section 20-T16S-R25E  
Grand County, Utah

---

1. SURFACE FORMATION: Mesaverde

2. ESTIMATED FORMATION TOPS:

|             |       |
|-------------|-------|
| Buck Tongue | 2160' |
| Castlegate  | 2420' |
| Mancos      | 2625' |
| Dakota Silt | 5980' |
| Morrison    | 6275' |
| Total Depth | 6350' |

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

|                     |           |                   |
|---------------------|-----------|-------------------|
| Expected Gas Zones: | Mesaverde | Surface formation |
|                     | Dakota    | 5980'             |

Water may be encountered in the Mesaverde and Castlegate formations.

4. CASING PROGRAM AS PER FORM 9-331 C.

5. PRESSURE CONTROL EQUIPMENT:

A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1100 psi), will be installed. See Exhibit 1.

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

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

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

6. MUD PROGRAM:

0'-300' Air or air mist. If necessary, use spud mud at 8.8-9.2#/gal., vis. 28-32 sec. API.

300'-TD Air or air mist. If necessary, will use 3% KCl mud at 8.6-8.8#/gal., vis. 35-45 sec. API.

7. AUXILIARY EQUIPMENT:

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

8. CORING, LOGGING, TESTING PROGRAM:

- A. No coring is anticipated.
- B. Logging will consist of the following: DISFL from TD to intermediate pipe; GR from TD to surface; FDC-SNP-GR-CAL from TD to 2000' above TD. If logged wet: FDC-CNL-GR-CAL from TD to 2000' above TD.

9. ABNORMAL CONDITIONS:

- A. No abnormal pressures or temperatures are expected.
- B. No hazardous gases such as H<sub>2</sub>S are expected.
- C. While drilling with gas or air, return fluids will be directed through the blow line to the reserve pit. All open fires or ignition sources will be prohibited on location while gas or air drilling. A pilot flame will be maintained at the end of the blow line (located 125' from the wellhead) to insure burning of return gases that are combustible.

10. ANTICIPATED STARTING DATES:

|                               |                   |
|-------------------------------|-------------------|
| Start location construction   | February 15, 1983 |
| Spud date                     | February 25, 1983 |
| Complete drilling             | March 7, 1983     |
| Completed, ready for pipeline | April 10, 1983    |

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

TXO PRODUCTION CORP.  
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: December 14, 1982

WELL NAME: TXO USA "A" #1

LOCATION: 330' FSL, 500' FWL, Section 20-T16S-R25E, Grand County, Utah.

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 330' FSL and 500' FWL in Section 20-T16S-R235E.
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: From Mack, Colorado, proceed west on State Highway 6 & 50 for 9 miles to Two Road (in Colorado). Turn right and proceed northwest 4 miles to a fork. Take the left fork and proceed 11.6 miles northward on the main road to a fork. Turn left and proceed westerly up the San Arroyo Ridge Road 4.8 miles to a fork. Take the left fork and continue for 4.4 miles to the beginning of the proposed access road. This road will serve as access to both the TXO USA "A" #1 and the Lauck Federal #1. See Item 2 below.
- C. Access route to location color coded in red and labeled. Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: The roads leading to the well location should need no additional work. During wet periods, some maintenance may be required to allow passage by drilling rigs and well servicing vehicles. Dust control methods may be implemented during dry periods.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: The well location is adjacent to the access route to the Lauck Federal #1. If the Lauck Federal #1 well is drilled prior to the TXO USA "A" #1, no additional access road will be required. If not, then 0.8 mile of road will be constructed in a north-south direction between the existing road and the TXO USA "A" #1 drill pad. The road will be 18-20 feet wide with a grade of 8% or less with short sections of 10% grade. The road will cross a slope of approximately 30% with several drainages, requiring low-water crossings or culverts. No cattleguards, gates or cutting of fences will be required. Refer to Exhibit 4. TXO holds a right-of-way, Serial #U-48042, for the entire access route from the NE/4 NE/4 Section 20-T16S-R25E to the proposed TXO USA "A" #1 location.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Abandoned Wells-Nat. Gas 1 Fed., Sec. 20-T16S-R25E
- C. Temporarily Abandoned Wells-None
- D. Disposal Wells-None
- E. Drilling Wells-TXO Wall Fed. #1, Sec. 30-T16S-R25E
- F. Producing Wells-TXO Bennion Fed. #1, Sec. 30-T16S-R25E
- G. Shut-in Wells-None
- H. Injection Wells-None
- I. Monitoring or Observation Wells for Other Reasons-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Exhibit 5 is a one-mile radius locating the following existing facilities owned by the lessee/operator:

- 1. Tank Batteries-None
- 2. Production Facilities-TXO Bennion Fed. #1, Sec. 30-T16S-R25E
- 3. Oil Gathering Lines-None
- 4. Gas Gathering Lines-None
- 5. Injection Lines-None
- 6. Disposal Lines-None

B. If new facilities are contemplated, in the event of production, show:

- 1. Proposed location 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 blowdown pit, separator, and, if necessary, a dehydrator. The facilities will be painted with a BLM-recommended color and will be located as shown on Exhibit 6. The pits will be located in cut, will contain all water production and be built in accordance with NTL-2B specifications. All connection work will be done by an oil field service company using standard oil field materials.
- 4. Protective devices and measures to protect livestock and wild-life: The water production pits will be fenced with four-strand barbed wire to protect livestock and wildlife.

C. All plans for surface restoration are outlined under Item 10 of this plan.

5. LOCATION AND TYPE OF WATER SUPPLY

A. Location and type of water supply: Water will be obtained from West Salt Wash in Colorado, or from Westwater Creek in Utah.

- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler, along the route shown in green on Exhibit 3.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is anticipated that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled on the northwest end of the pad for later use during rehabilitation on the disturbed areas. Additional material, if needed, will be purchased from the dirt contractor.
- B. Identify if from Federal or Indian Land: The affected land is Federal and under the management of the Bureau of Land Management.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: Materials other than that supplied by cuts on location should not be required to construct the pad and road. Approximately 30,000 cubic yards of material will be derived from cuts on location and approximately 19,500 cubic yards of fill is needed. Refer to Exhibit 7.
- D. Show any needed access roads crossing Federal or Indian Lands: The access road will cross BLM administered lands in Sections 19 and 20-T16S-R25E. Refer to Exhibit 4.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit. While drilling with air or gas, a dust arresting system will be installed on the blow line.
- C. Produced fracturing fluids will be directed to the reserve pit for evaporation.
- D. Sewage: A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a trash bin and removed to a sanitary landfill upon completion.
- F. Protective Devices: The drilling reserve pit will be fenced on three sides prior to drilling, and on the fourth side before the rig moves off location.

- G. Statement regarding proper cleanup when rig moves out. When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 7.

Note: Where possible, pad dimensions will be minimized and corners will be rounded to reduce the amount of cut and fill.

- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 8.

- C. Rig orientation, parking area: Refer to Exhibit 8.

- D. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 2 to 4 inch layer of bentonite will be used as a lining for the pit.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, levelling, 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 be backfilled. Disturbed areas of the pad not needed for production facilities will be graded to an appearance consistent with the natural contours. These areas will then be covered with topsoil, disked and reseeded with a seed mixture recommended by BLM. If the well is not commercially productive, the entire pad will be reclaimed as described above.

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

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

- D. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately April 10, 1983, and will be completed within approximately one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The proposed well pad is located on a northeast facing slope of 20-30%. Vegetative cover is about 40% and is dominated by dense scrub oak, serviceberry and mountain mahogany. Small clumps of a fine-leaved, native grass occur sparsely in the area. Fauna include deer, small mammals, and birds. No endangered species are known to occur in the area.
- B. Other surface-use activities and surface ownership of all involved lands: The primary land use in the area is oil and gas production.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: There are no live streams in the area. East Canyon, to the west of the location, and San Arroyo Canyon, to the east, both flow intermittently. No occupied dwellings occur in the area. An archeological survey has been conducted and no cultural sites were found. Results have been forwarded to the appropriate BLM offices. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office of the BLM will be contacted.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

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

Ronald E. Dashner  
District Drilling Engineer  
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:

Karen Laurie  
Environmental Scientist  
TXO Production Corp.  
1800 Lincoln Center Building  
1660 Lincoln Street  
Denver, Colorado 80264  
(303) 861-4246 - Business  
(303) 477-2072 - Residence

13. CERTIFICATES

The following statement is to be included in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by TXO Production Corp. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: December 14, 1982

*R. Bruce Wright for R.E. Dashner*  
Ronald E. Dashner  
District Drilling Engineer

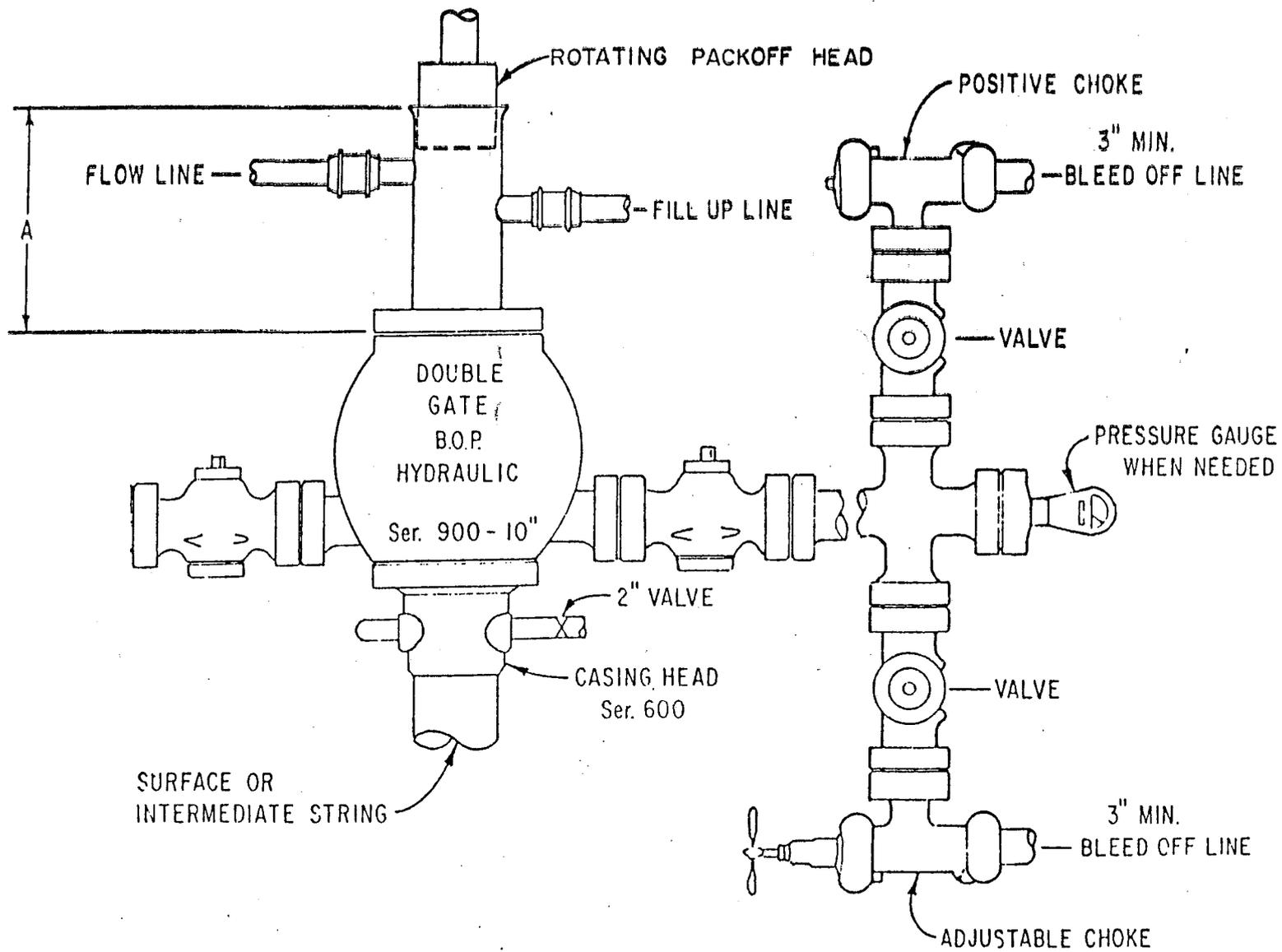


EXHIBIT I  
 BLOWOUT PREVENTER DIAGRAM

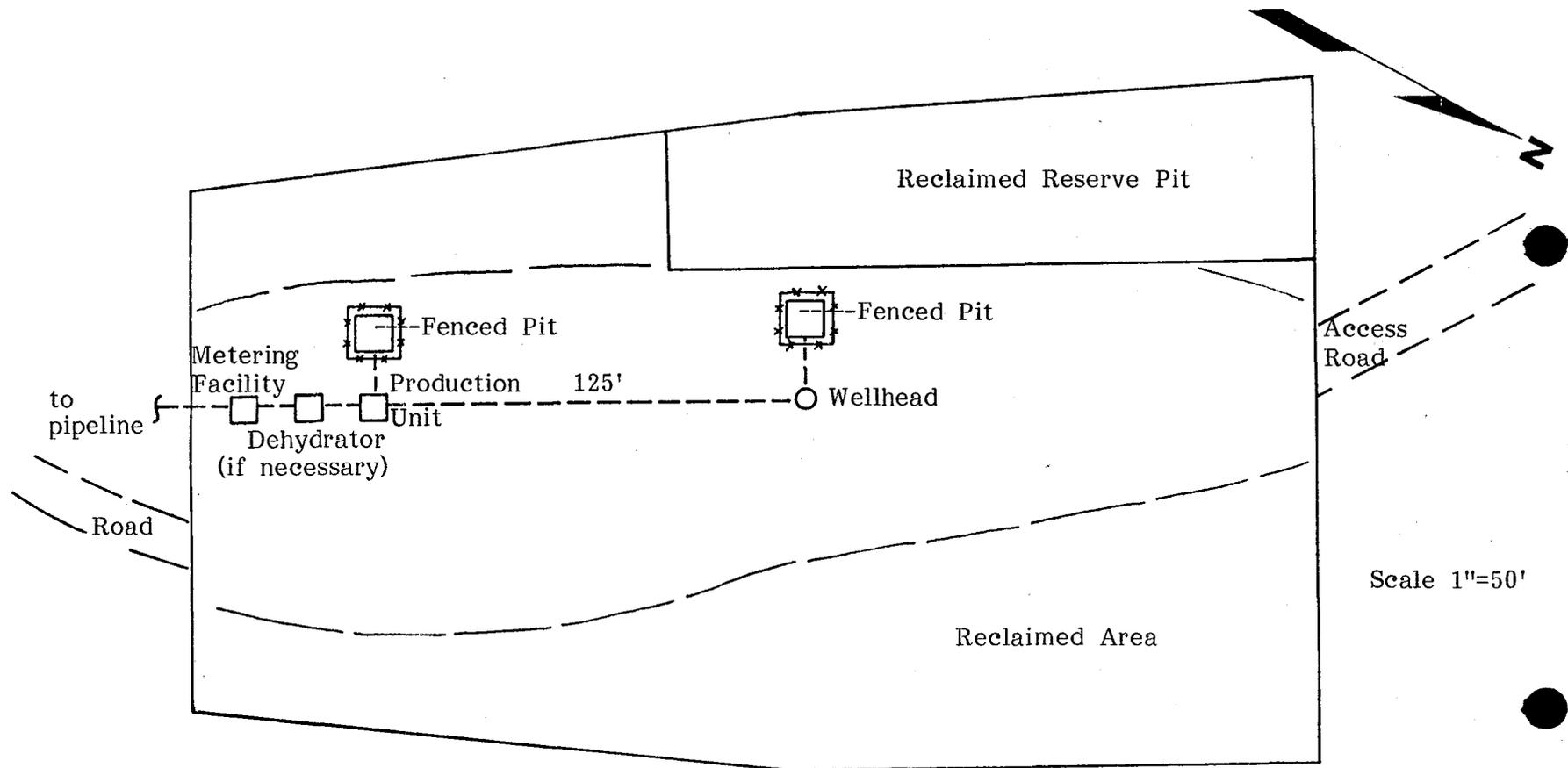
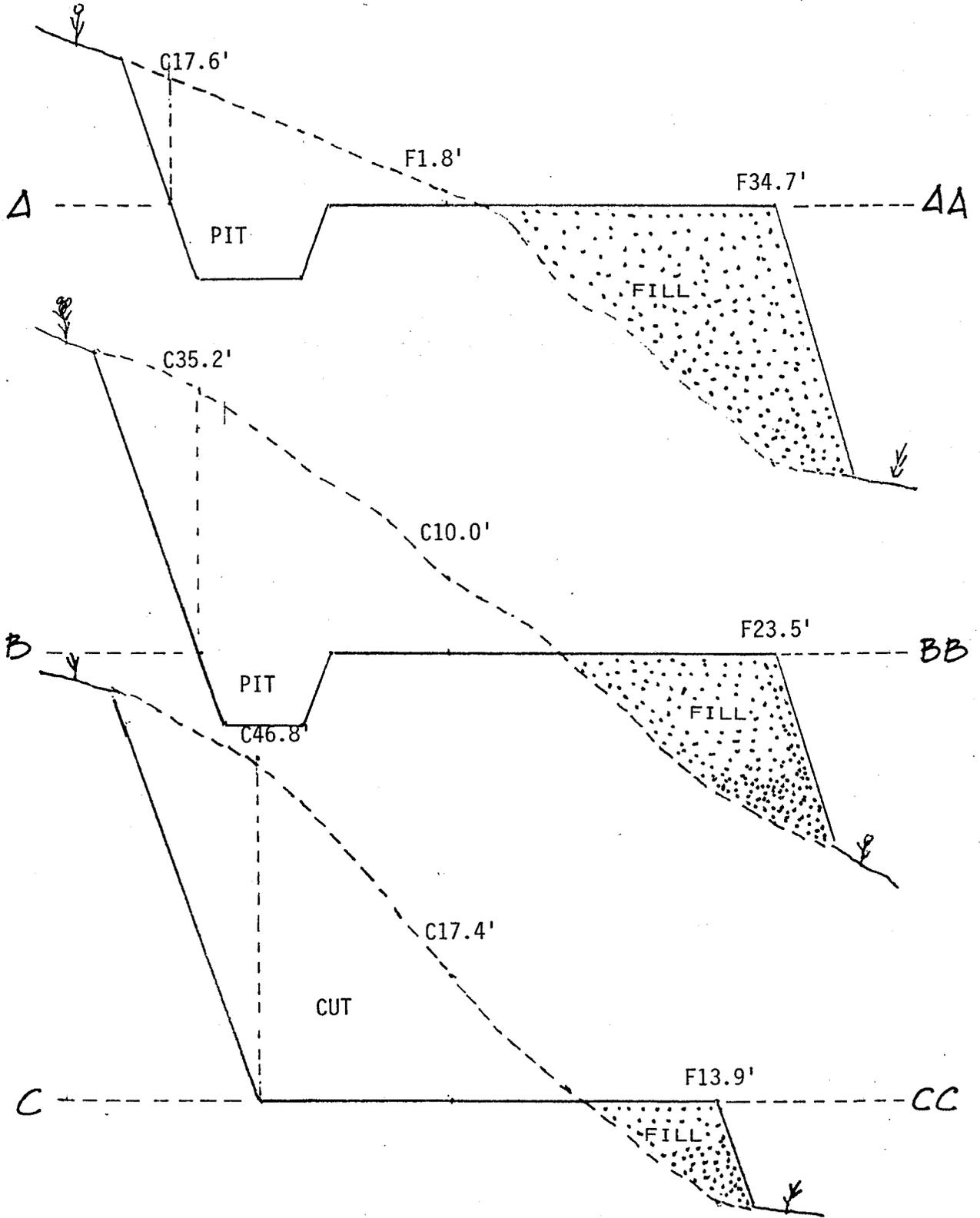


EXHIBIT 6  
TXO USA "A" #1 PRODUCTION FACILITIES

- 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 shut-down system will be installed.
- 5) The separator will be an ASME coded vessel.

CROSS-SECTIONS  
TXO PRODUCTION CO.  
TXO USA A#1



PREPARED BY  
ENERGY SURVEYS & ENG'R. CORP.

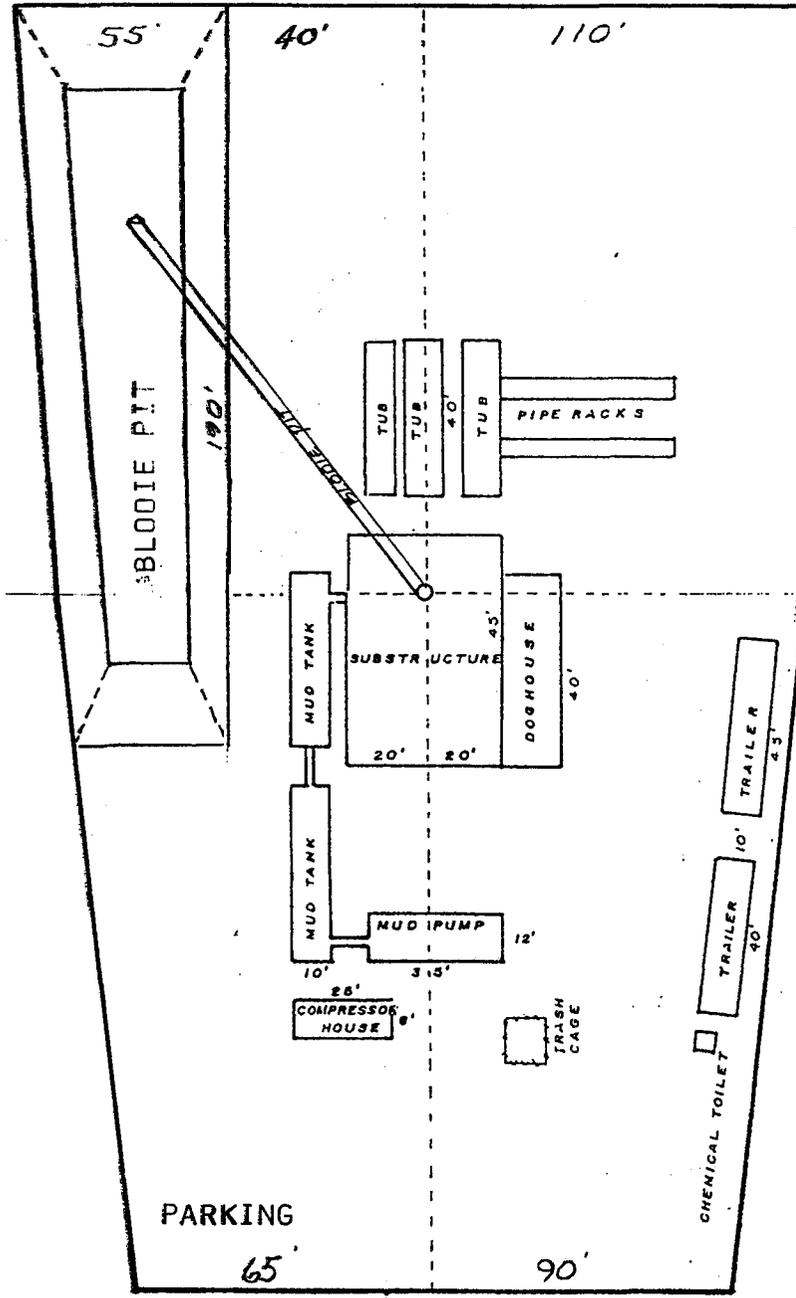
TXO PRODUCTION CO.  
CROSS-SECTIONS

Exhibit 7  
Cut & Fill

RIG LAYOUT  
 TXO PRODUCTION CO.  
 TXO USA A#1

ACCESS ROAD

1"=50'



PREPARED BY  
 ENERGY SURVEYS & ENG'R. CORP.

TXO PRODUCTION CO.  
 WELL LOCATION  
 GRAND COUNTY, COLORADO



OPERATOR TXO Production Corp DATE 12/28/82

WELL NAME TXO USA "A" #1

SEC SWSW 20 T 16S R 25E COUNTY Grant

43-019-31034  
API NUMBER

Fed  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

DRILLING UNIT # 37 IN ZONE II - proposed location  
will require hearing due to distance from drilling unit  
boundary - no other wells in drilling unit - no wells  
off within 2000'

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

c-3-b

c-3-c

~~1492~~ ~~6-19-69~~

~~1491~~ ~~3-14-73~~

CAUSE NO. & DATE

149-17 JAN 27, 1983

SPECIAL LANGUAGE:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FLEA*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 149-17 1-27-82

UNIT NO

c-3-b

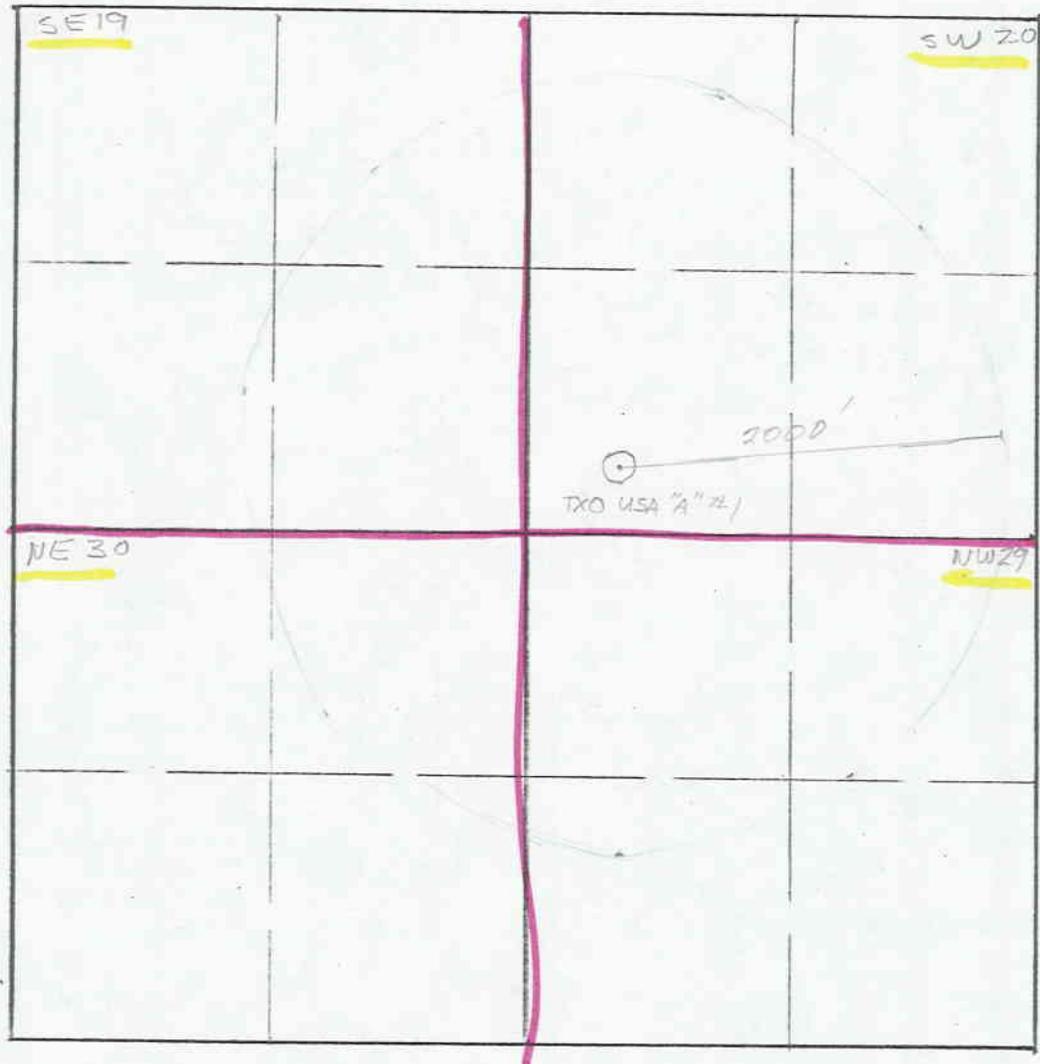
c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

12-28-82

X



SCALE: 1" = 1000'

spacing will require a hearing for exception to 149-1. I gave Paula a copy of the cover letter, which indicates TXO will request hearing in Jan 83. *12-28-82*

January 28, 1983

TXO Production Corporation  
Attn: K. P. Laurie  
1800 Lincoln Center Building  
Denver, Colorado 80264

RE: Well No. TXO USA "A" #1  
SWSW Sec. 20, T.16S, R.25E  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 149-17 dated January 27, 1983.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer  
Office: 533-5771  
Home: 571-6068

OR

CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-31034.

Sincerely,



Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Oil & Gas Operations  
Enclosure

TXO

**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

February 25, 1983

STATE OF UTAH  
Natural Resources & Energy  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Mr. Cleon B. Feight  
Director

RE: TXO USA "A" #1  
Section 20, T16S-R25E  
Grand County, Utah

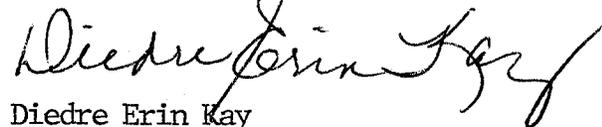
Dear Mr. Feight:

Please be advised that TXO Production Corp. would appreciate having the status of the above referenced well changed to a tight hole.

Thank you for your attention to this matter.

Sincerely,

TXO PRODUCTION CORP.



Diedre Erin Kay  
Drilling Secretary

DEK

RECEIVED  
MAR 6 4 1983

DIVISION OF  
OIL, GAS & MINING

A SUBSIDIARY OF TEXAS  
OIL & GAS CORP.

# CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

## SPLUDDING INFORMATION

NAME OF COMPANY: TXO PRODUCTION CORPORATION

WELL NAME: TXO USA "A" # 1

SECTION SWSW 20 TOWNSHIP 16S RANGE 25E COUNTY Grand

DRILLING CONTRACTOR VECO

RIG # 8

SPLUDDED: DATE 6-26-83

TIME 5 PM

How ROTARY

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY BRUCE WRIGHT

TELEPHONE # \_\_\_\_\_

DATE 6-27-83 SIGNED RJF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
TXO PRODUCTION CORP.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 330' FSL & 500' 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:

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

(other) Spudding

SUBSEQUENT REPORT OF:

- 
- 
- 
- 
- 
- 
- 
- 

X

5. LEASE  
U-31806

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
TXO USA "A"

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 20, T16S-R25E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31034

15. ELEVATIONS (SHOW DE, KDB, AND WD)  
7215' GL

**TIGHT HOLE**

(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.)\*

The above well was spudded at 5 PM on 6/26/83. The 12-1/4" surface hole was drilled to 329' KB. The 9-5/8" surface casing was set to 326' KB, and cemented to surface with 205 sxs of cement. The drilling contractor is Veco Drilling Inc., Rig #8.

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

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

SIGNED R. Bruce Wright TITLE Petroleum Engineer DATE 6/30/83

(This space for Federal or State office use)

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



**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

July 1, 1983

STATE OF UTAH  
Natural Resources & Energy  
Oil, Gas, & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

RE: TXO USA "A" #1  
Section 20, T16S-R25E  
Grand County, Utah

Gentlemen:

Please find enclosed three (3) copies of Form 9-331, "Sundry Notices and Reports on Wells", reporting the spudding of the above referenced well.

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

Sincerely,

TXO PRODUCTION CORP.

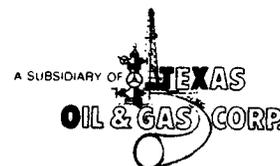
R. Bruce Wright  
Petroleum Engineer

RBW/dek  
encls.

**RECEIVED**

JUL 05 1983

DIVISION OF  
OIL, GAS & MINING





**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

July 1, 1983

STATE OF UTAH  
Natural Resources & Energy  
Oil, Gas, & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

RE: TXO USA "A" #1  
Section 20, T16S-R25E  
Grand County, Utah

Gentlemen:

Please find enclosed three (3) copies of Form 9-331, "Sundry Notices and Reports on Wells", reporting the spudding of the above referenced well.

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

Sincerely,

TXO PRODUCTION CORP.

A handwritten signature in cursive script that reads "R. Bruce Wright".

R. Bruce Wright  
Petroleum Engineer

RBW/dek  
encls.



SEC. 20, T. 16 S., R. 25 E. OF THE S.L.M.

N89-58W.

5287.92' GLO

LOCATION PLAT

5280.00' GLO

5280.00' GLO

20

N00-03W

N00-03W

SW1/4SW1/4

TXO PRODUCTION CO.  
WELL LOCATION  
GROUND ELEV. 7215'  
SW1/4SW1/4, SEC. 20  
T.16S., R.25E., S.L.M.

500' TXO USA A#1

N89-58W

5287.92' GLO



SCALE

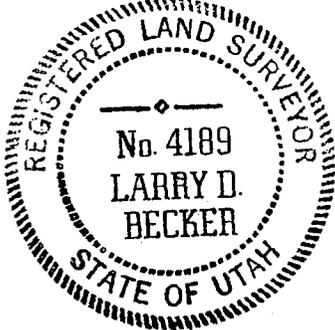
LEGEND

- STANDARD LOCATION OF GLO CORNERS.
- GLO CORNERS FOUND.
- WELL LOCATION STAKED.

REFERENCE DOCUMENTS

- 1924 GLO PLAT
- SAN ARROYO RIDGE QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR TXO PRODUCTION CO.  
 AS REQUESTED BY KAREN LAURIE, TO LOCATE THE  
TXO USA A#1, 330' F.S.L. & 500' F.W.L.,  
 IN THE SW 1/4 SW 1/4, OF SECTION 20, T.16 S., R.25 E. OF THE S.L.M.  
GRAND COUNTY, UTAH



SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR  
 IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS  
 SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND  
 THAT THIS PLAT REPRESENTS SAID SURVEY.

Exhibit 2  
Survey Plat

*Larry D. Becker*  
 UTAH L.S. NO. 4189

|          |         |
|----------|---------|
| SURVEYED | 8-30-82 |
| DRAWN    | 9-7-82  |
| CHECKED  | 9-7-82  |

ENERGY  
 SURVEYS &  
 ENGINEERING CORP.

1156 BOOKCLIFF AVE. NO 4  
 GRAND JUNCTION, CO. 81501  
 978 248-7221

|         |            |
|---------|------------|
| SCALE   | 1" = 1000' |
| JOB NO. |            |
| SHEET   | OF         |

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

M

August 23, 1983

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

Attn: Mr. Cleon B. Feight  
Director

pg 1A

RE: TXO USA "A" #1  
Section 20, T16S-R25E  
Grand County, Utah

Dear Mr. Guynn:

Please find enclosed two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log", and Form 9-331, "Sundry Notices and Reports on Wells", for the above referenced well. Also find enclosed copies of the well history and cementing report.

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

Sincerely,

TXO PRODUCTION CORP.

*R. Bruce Wright*

R. Bruce Wright  
Petroleum Engineer

RBW/dek  
encls.

**RECEIVED**  
AUG 26 1983

DIVISION OF  
OIL, GAS & MINING

A SUBSIDIARY OF **TEXAS**  
**OIL & GAS CORP.**

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

August 23, 1983

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

Attn: Mr. Cleon B. Feight  
Director

RE: TXO USA "A" #1  
Section 20, T16S-R25E  
Grand County, Utah

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

Sincerely,

TXO PRODUCTION CORP.



R. Bruce Wright  
Petroleum Engineer

RBW/dek  
encls.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other  DRY

2. NAME OF OPERATOR  
TXO Production Corp.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 330' FSL & 500' FWL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: same as above

5. LEASE  
U-31806

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
TXO USA "A"

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 20, T16S-R25E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31034

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7215' GL

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

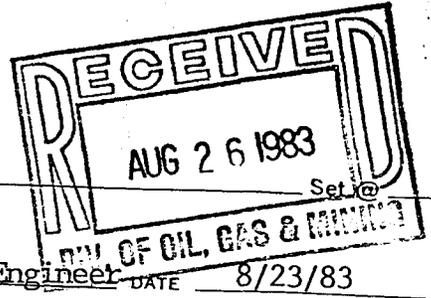
|                          |                                     |                       |                                     |
|--------------------------|-------------------------------------|-----------------------|-------------------------------------|
| REQUEST FOR APPROVAL TO: |              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

**TIGHT HOLE**

(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.)\*

The above referenced well was drilled, a completion was attempted and plugged and abandoned as per Mr. Assad Raffoul @ 2:20 PM on 8/11/83) as follows:  
 ✓ 15 sxs @ 6300-6150', ✓ 25 sxs @ 3334-3134', ✓ 55 sxs @ 1075-875', ✓ 110 sxs @ 500-200' & 25 sxs @ surface. Pipe recovery was 3234', 4-1/2", 10.5#, K-55, ST&C and 975', 7", 20#, K-55, ST&C. Installed dry-hole marker, cleaned location and will rehabilitate as per APD as soon as feasible.



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

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

SIGNED R. Bruce Wright TITLE Petroleum Engineer DATE 8/23/83

(This space for Federal or State office use)

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

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

\*See Instructions on Reverse Side

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.

13

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 Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 330' FSL & 500' FWL  
At top prod. interval reported below  
At total depth same as above

14. PERMIT NO. 43-019-31034 DATE ISSUED 2/28/83

5. LEASE DESIGNATION AND SERIAL NO.  
U-31806

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
TXO USA "A"

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
San Arroyo

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Section 20, T16S-R25E

12. COUNTY OR PARISH Grand STATE Utah

15. DATE SPUNDED 6/26/83 16. DATE T.D. REACHED 7/3/83 17. DATE COMPL. (Ready to prod.) N/A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 7229' KB 19. ELEV. CASINGHEAD 7215'

20. TOTAL DEPTH, MD & TVD 6360' 21. PLUG, BACK T.D., MD & TVD Surface 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* N/A 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN OIL-GR, FDC-SNP-GR-Caliper 27. WAS WELL CORED no

28. CASING RECORD (Report all strings set & cemented)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 9-5/8"      | 36#             | 326'           | 12-1/4"   | 205 SXS          | none          |
| 7"          | 20#             | 2917'          | 8-3/4"    | 150 SXS          | 975'          |
| 4-1/2"      | 10.5#           | 6359'          | 6-1/4"    | 125 SXS          | 3234'         |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|------|----------------|-----------------|
|      |          |             |               |             |      |                |                 |

31. PERFORATION RECORD (Interval, size and number)

6202-14', 0.38" dia, 13 holes  
6258-60', 0.38" dia, 3 holes

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED  |
|---------------------|---|
| 6202-60'            | 750 gal 7-1/2% HCL w/ 750 scf/bbl N2, 46,830 gal, 40# GWX-07 w/ 750 scf/bbl CO2, 37,075# 20/40 sd & 6000 gal methanol |

33.\* PRODUCTION

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

| 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. \_\_\_\_\_ GRAVITY-API (CORR.) \_\_\_\_\_

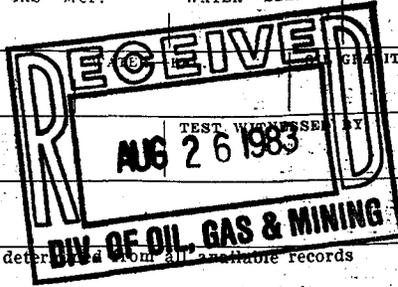
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS  
Well History, Plugging Report.

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

SIGNED R. Bruce Wright TITLE Petroleum Engineer DATE 8/23/83

TIGHT LOG



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



DATE OF JOB: 08/19/83 DISTRICT: Grand Junction DIST. NO: 01-36043  
 CUSTOMER: TXO Production Corp  
 ADDRESS: Box 1467  
 CITY: Fruita STATE: CO ZIP: 81521  
 AUTHORIZED BY: W. J. Sotton

DATE: 8 70995  
 NEW WELL  OLD WELL   
 WELL NO.: A-1 LEASE: TXO USA  
 COUNTY/PARISH: Grand STATE: UT  
 FIELD NAME: San Arroyo  
 WELL OWNER: TXO

CUSTOMER ACCOUNT NO. [ ] OFFICE USE ONLY  
**CUSTOMER COPY**

| SERVICE TICKET NO. | STATE         | CODE | TAXABLE   |
|--------------------|---------------|------|---|
| S 27421            | 43            | 43   | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| SAL. BASIS NUMBER  | COUNTY/PARISH | CITY | TAXABLE   |
| 31248              | 43            | 99   | YES <input type="checkbox"/> NO <input type="checkbox"/>            |

| TRUCK & TRAILER LICENSE           | NO. OF LOADS | TRUCK & TRAILER NUMBER | NO. OF LOADS | OTHER EQUIPMENT NO. | NO. OF MILES FROM STATE TO WELL |
|-----------------------------------|--------------|------------------------|--------------|---------------------|---------------------------------|
| 3783-1312                         | 1            |                        |              | 1415-6495           |                                 |
| TOTAL PIECES OF BJ EQUIPMENT USED |              |                        |              |                     | 4 57                            |

**CONTRACT CONDITIONS:** (This contract must be signed before the job is commenced or merchandise is delivered)  
 The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract, services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. In addition, substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ HUGHES Inc.

SIGNED: *W. J. Sotton*  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| PRICE BOOK REF. NO. | BRAND & TYPE                   | QUANTITIES |      |          | LAST PRICE | U/M     | PRICE EXTENSION |
|---------------------|--------------------------------|------------|------|----------|------------|---------|-----------------|
|                     |                                | ORDERED    | USED | RETURNED |            |         |                 |
| 1,041,050,05        | 7 Deal G                       | 230        | 230  | ( )      | 230        | 7.71 CF | 1173.5          |
| 1,088,000,01        | BENTONITE GEL IN. SACKS CEMENT |            |      |          |            |         |                 |
|                     | ANKING SERVICE                 |            |      |          | 230        | .95 CF  | 218.5           |
|                     | RETURNED MATERIAL CHARGE       |            |      |          |            |         |                 |
|                     | WAITING TIME                   |            |      |          |            |         |                 |
| 1,094,010,01        | RELEASE CHARGE                 | TONS 10.9  |      |          | 57         | .15     | 465.9           |

SERVICE REPRESENTATIVE: *W. J. Sotton*  
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *W. J. Sotton*  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

B. J. HUGHES, INC.

CEMENTING SERVICE REPORT

GRAND JUNCTION  
246-2908

HUGHES TOOL COMPANY

Date 8-19-83  
 Company TXO  
 Well No. TXO USA A-1  
 Service Ticket No. 5-27421  
 Formation \_\_\_\_\_  
 County Grand  
 State Ut  
 BJ Service Foreman Wayne Johnson  
 Company Representative Wes Sutton  
 REMARKS: P+A

WELL DATA  
 Hole Size: 6 1/4 Depth: 6300  
 Casing Size: 2 7/8 Wt. \_\_\_\_\_ Depth 6300  
 Dia. Fluid Type H<sub>2</sub>O Wt. \_\_\_\_\_  
 Stage Collars: \_\_\_\_\_  
 Contractor: Carmack

CEMENT DATA

| NO. BAGS | YIELD Cu. Ft./Sl. | CEMENT MIX | CUFF | VOLUME BBS |
|----------|-------------------|------------|------|------------|
| 230      | 111'              | G Noel     | 262  | 47         |
|          |                   |            |      |            |
|          |                   |            |      |            |

Volume of Displacement \_\_\_\_\_ 24  
 Cement Circulated \_\_\_\_\_ no  
 Circulation During Job? \_\_\_\_\_ yes

Trucks Used 3783 - I312 - 1415 - 6495

| TIME    | RATE BPM | VOLUME BBL | PRESSURE        |        | Job Detail                          |
|---------|----------|------------|-----------------|--------|-------------------------------------|
|         |          |            | TUBING          | CASING |                                     |
| 11:30 A |          |            |                 |        | Arrived too Riped up Safety Meeting |
|         |          |            |                 |        | 1 1/2 Plug 6300-6150                |
| 5:30    | 3        | 5          | 100             |        | H <sub>2</sub> O                    |
| 5:32    | 3        | 3          | 100             |        | Slurry                              |
| 5:33    | 4        | 24         | 100             |        | H <sub>2</sub> O Displacement       |
|         |          |            | 2 <sup>nd</sup> |        | Plug 3334-3134                      |
| 7:52    | 4        | 5          | 0               |        | H <sub>2</sub> O                    |
| 7:54    | 4        | 5          | 50              |        | Slurry                              |
| 7:55    | 4        | 12         | 50              |        | H <sub>2</sub> O Displacement       |
|         |          |            | 3 <sup>rd</sup> |        | Plug 1075-875                       |
| 8:45    | 3        | 2          | 400             |        | H <sub>2</sub> O                    |
| 8:46    | 4        | 11         | 400             |        | Slurry                              |
| 8:49    | 3        | 3 1/2      | 400             |        | H <sub>2</sub> O Displacement       |
|         |          |            | 4 <sup>th</sup> |        | Plug 600-200                        |
| 9:31    | 3        | 2          | 200             |        | H <sub>2</sub> O                    |
| 9:33    | 4        | 22         | 300             |        | Slurry                              |
| 9:38    | 3        | .8         | 300             |        | H <sub>2</sub> O Displacement       |
|         |          |            |                 |        | Surface Marker                      |
| 9:50    |          | 5          |                 |        | Slurry                              |



WELL NAME: TXO USA "A" #1  
AREA: San Arroyo  
LOCATION: Section 20, T16S-R25E  
COUNTY: Grand  
STATE: Utah  
FOOTAGE: 330' FSL & 500' FWL

PTD: 6325'  
ELEVATIONS: 7215' GL  
CONTRACTOR: Veco #8  
AFE NUMBER: 830609  
LSE NUMBER: 94292  
TXO WI: 50%

\*\*\*\*\*

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

Just Mail

MARTIN OIL COMPANY  
2323 S. Wadsworth Blvd  
Denver, Colorado 80227  
Attn: Kathy Reilly  
Phone: (303) 988-3500

Daily Call  
Weekly Mail

NATURAL GAS CORP. OF CA.  
7800 E. Union Ave., Ste. 800  
Denver, Colorado 80237  
Attn: Pam Bates-McCormack  
Phone: (303) 694-6076 x161

Daily Call  
Weekly Mail

NATURAL GAS CORP. OF CA.  
85 South 200 East  
Vernal, Utah 84078

Just Mail

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06/27/83 329' (329'), Cond hole for surf csg. Mesaverde. Dust-50#. MIRURT.  
Spudded 12-1/4" hole @ 5 PM on 6/26/83. Drld to 329'. TD 12-1/4"  
surface hole @ 6 AM on 6/27/83. Presently blowing hole to run surf  
csg. 3/4" @ 329'. DW: 9492. CW: 9492. DD 1.

06/28/83 509' (180'), drlg. Mesaverde. Dust-100#. Blew hole clean. TOOH.  
RU & ran 8 jts 9-5/8", 36#, K-55, ST&C. Set @ 326'. FC @ 286'. RU  
Western & cmdt as follows: Circ w/ air for 10". Pumped 10 bbls  
gelled wtr, 100 sx 65-35 poz w/ 2% CaCl<sub>2</sub> & 1/2#/sx flocele, tailed by  
60 sx Class "H" w/ 2% CaCl<sub>2</sub> & 1/2#/sx flocele. PD @ 1 PM 6/27/83.  
BP to 750#. Float did not hold, no returns. Filled backside to sur-  
face w/ 45 sx "H" w/ 2% CaCl<sub>2</sub>, 1/2#/sx flocele, 1/2#/sx sawdust.  
W.O.C. 4 hrs. Screwed on wellhead @ 5:30 PM 6/27/83. NU BOP & test  
to 1000#. TIH w/ bit & DC. Drl cement. Dry up hole. Resume drlg w/  
dust. DW: 45,737. CW: 55,229. DD 2.

06/29/83 2395' (1886'), drlg. Mesaverde. Mist-280#. Hole got wet @ 1254'.  
Switched to air mist & resumed drlg. 2" @ 665', 1-3/4" @ 943',  
1-1/2" @ 1254', 3/4" @ 1536', 1-1/4" @ 1846', 1-1/2" @ 2149'. DW:  
29,250. CW: 84,479. DD 3.

06/30/83 2922' (527'), short trip. Mancos. 8.5, 88, 10.8, 9.5. Drld ahead w/  
air mist. Tight connection @ 2750'. TD 8-3/4" hole @ 2:30 PM on  
6/29/83. Short trip 5 stnds, tight from 2850-2670'. Attempt to mud  
up hole. Pumped 900 BM. Had 275# standpipe pressure. No returns to  
surface. Mixed mud & POOH 3 stnds. Found FL + 300' from surface.  
RIH. Tag fill @ 2840'. Began washing & reaming to btm. No returns.  
Lost + 400 BM. Making 5 stnd short trip. Castlegate @ 2485', Mancos  
@ 2710'. 1-3/4" @ 2453', 2" @ 2717'. DW: 14,462. CW: 98,941. DD  
4.

07/01/83 3070' (148'), drlg. Mancos. Dust 180#. Fin short trip. No fill or  
tight spots. TOOH. LD 6-1/4" DCs. RIH w/ 64 jts 7", 20#, K-55 csg  
(2917'), no fill. RU Western & cmdt csg. Pumped 75 BM, 10 BM flush,  
& 10 BW. Cmdt w/ 75 sxs 50/50 poz w/ 2% CaCl<sub>2</sub>, 1/4#/sx celloflake, 2%  
gel, tailed w/ 75 sxs Cl "H" w/ 2% CaCl<sub>2</sub>, 1/4#/sx celloflake. Set  
shoe @ 2917'. Set float @ 2871'. Float did not hold. Held 1000# on  
csg. WOC 3 hrs. PD @ 1 PM 6/30/83. BP @ 1000#. No returns. Cut-  
off @ 4 PM on 6/30/83. Set slips, NU BOP & test to 1000#. RU 4-3/4"

|            |                       |             |          |
|------------|-----------------------|-------------|----------|
| WELL NAME: | TXO USA "A" #1        | PTD:        | 6325'    |
| AREA:      | San Arroyo            | ELEVATIONS: | 7215' GL |
| LOCATION:  | Section 20, T16S-R25E | CONTRACTOR: | Veco #8  |
| COUNTY:    | Grand                 | AFE NUMBER: | 830609   |
| STATE:     | Utah                  | LSE NUMBER: | 94292    |
| FOOTAGE:   | 330' FSL & 500' FWL   | TXO WI:     | 50%      |

\*\*\*\*\*

- 07/01/83 DCs, TIH, drld cmt, dried up hole. Resume drlg w/ dust. 2° @ 3015'.  
cont. DW: 50,517. CW: 149,458. DD 5.
- 07/02/83 4636' (1566'), drlg. Mancos. Dust 200#. 2° @ 3334', 2-1/4° @ 3615',  
2-1/2° @ 3921', 2-3/4° @ 4235', 2-3/4° @ 4546'. DW: 25,551. CW:  
175,009. DD 6.
- 07/03/83 5801' (1165'), TOOH for bit. Mancos. Dust 200#. 3° @ 4808', 3-3/4°  
@ 5080', 3-3/4° @ 5234', 3-1/4° @ 5521', 3-1/4° @ 5801'. DW:  
19,920. CW: 194,929. DD 7.
- 07/04/83 6360' (559'), logging. Morrison. Dust 200#. Began taking 12' flare  
@ 6205'. Drld to 6218'. Blew hole & tested. Had 13# on 3/4" ori-  
fice. FARO 303 MCFD. TD 6-1/4" hole @ 9 PM on 7/3/83. Blew hole  
clean. Made 10 stnd short trip, no fill or tight spots. Blew hole  
clean. TOOH to log. RU Gearhart & presently logging. Dakota  
Silt @ 6028', Dakota @ 6077', Morrison @ 6325'. 3-1/2° @ 6113'. DW:  
10,917. CW: 205,846. DD 8.
- 07/05/83 6360' (0'), RDRT. Morrison. Fin logging. TIH w/ bit & cond hole for  
csg. TOOH. LD DP & DC. RU & ran 151 jts 4-1/2", 10.5#, K-55, ST&C  
(6359'). RU Western & cmtd csg. Circ w/ mud for 45 min. Pumped 20  
bbls of mud flush, 5 bbls wtr. Cmtd w/ 125 sxs of Cl "G" w/ 5% KCL,  
2% gel, 1/4#/sx celloflake. Shoe set @ 6359'. Float set @ 6317'. ND  
BOP & set slips & cut-off csg. Clean mud pits. RR @ 5:30 AM on  
7/5/83. Drop from report until completion begins. DW: 67,817. CW:  
273,663. DD 9.
- 07/14/83 6317' PBTB, MIRUCU. Unload 214 jts 2-3/8", 4.7#, J-55, EUE tbg. Spot  
pump & tank. ND wellhead. SDFN. DW: 24,843. CW: 298,506.
- 07/15/83 6317' PBTB, PU & RIH w/ 3-7/8" bit, csg scraper, & 206 jts 2-3/8",  
4.7#, J-55, EUE tbg. Tag PBTB @ 6299'. RU pump & tank. PT csg to  
3000# for 15 min. Held OK. RU swab. Swab ± 80 BW, left FL @ 5200'.  
TOOH w/ tbg. LD bit & scraper. RU Dyna-Jet. Ran correlation log.  
RIH w/ 3-1/8" select fire csg gun & perf 4th Dakota from 6258-60' &  
6202-14' w/ 1 JSPF. Total of 16 holes, 0.38" dia. RD Dyna-Jet. RIH  
w/ notched collar, 1 jt tbg, SSN & 197 jts 2-3/8" tbg. Land tbg @ ±  
6050'. RU swab, made 1 run. IFL @ 5200'. Rec 3 BW. Very slight gas  
show. Well went on vacuum. LOTPON. SDFN. This AM had 0# FTP, 100#  
CP, well dead. RU swab. IFL @ 4700'. DW: 5960. CW: 304,466.
- 07/16/83 6299' PBTB, RU swab. IFL @ 4800'. Made 8 runs. Rec 20 BW, slight  
gas show, TSTM. FFL @ SSN. ND BOP & NU wellhead. RU Smith & Nowsco.  
Acidized well as follows: pumped 86 bbls 3% KCL until circ broken @  
surf, pumped 25,000 scf N<sub>2</sub> pad. SI annulus w/ 2 bbls left to dspl in  
tbg, pumped 750 gal 7-1/2% HCL w/ additives & 750 scf/bbl N<sub>2</sub>, & 30  
ball sealers. Flushed to perms w/ 3% KCL & 750 scf/bbl N<sub>2</sub>. Good ball  
action, didn't ball off. AIR 5 BPM @ 3800#. MIR 5 BPM @ 4400#. ISIP  
2800#, 5 min 2100#, 10 min 1500#, 15 min 1400#. Opened well up & RU  
Nowsco to annulus to unload annulus wtr. Est 21 BLTR. Well flowing  
to pit w/ 20# on 3/4" ch, making heavy mist, gas won't burn. LOTPON.  
DW: 9623. CW: 314,089.
- 07/17/83 6299' PBTB, 0# FTP, 600# CP. Well dead. RU swab. FL @ 5400'. Rec 2  
BW. Well KO & blew for 45 min. Well died. 0# FTP, 200# CP. Made  
2nd run. FL @ 5800'. Rec 1 bbl. Well KO. Well flowed w/ 5' flare.  
Gas rate TSTM. Made 3rd run, FL @ 6000'. Rec no fluid. 4th run, FL  
@ 6000'. Rec 1/4 BW. Left well open to pit w/ 5' flare. 0# FTP, 80#  
CP, gas rate TSTM. Dropped 2 soap sticks. SDFN. DW: 1400. CW:  
315,489.



|            |                       |             |          |
|------------|-----------------------|-------------|----------|
| WELL NAME: | TXO USA "A" #1        | PTD:        | 6325'    |
| AREA:      | San Arroyo            | ELEVATIONS: | 7215' GL |
| LOCATION:  | Section 20, T16S-R25E | CONTRACTOR: | Veco #8  |
| COUNTY:    | Grand                 | AFE NUMBER: | 830609   |
| STATE:     | Utah                  | LSE NUMBER: | 94292    |
| FOOTAGE:   | 330' FSL & 500' FWL   | TXO WI:     | 50%      |

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- 07/27/83 6299' PBTD, RU pump & tank. Circ & CO sd to 6299' PBTD. Circ hole clean. POOH & land tbg @ 6100'. ND BOP. NU wellhead. RU swab. IFL @ surf. Made 13 runs, rec 70 BLW. Well didn't blow after swab runs. Fluid entry rate @ 7-8 BPH. FFL @ 5000'. No gas show. SIFN. DW: 2700. CW: 381,160.
- 07/28/83 6299' PBTD, SITP 0#, SICP 0#. RU swab. IFL @ 3900'. Made 14 runs, rec 37.4 BLW. No blow after swab runs. No gas. FFL @ 5950'. SI. RR @ 11:30 AM on 7/27/83. Drop from report pending further evaluations. DW: 1240. CW: 382,400.
- 08/16/83 6299' PBTD, SITP 640#, SICP 680#. Open well up & blew dn in 3 min. Gas rate TSTM. RU swab, IFL @ 3500'. Made 4 swab runs. Rec 10 BF. FFL @ 5400'. CP dropped to 180#. Gas rate still TSTM. SDFN. DW: 1750. CW: 384,150.
- 08/17/83 6299' PBTD, well open to pit, gas rate TSTM. WO partner approval & prep to P & A today. DW: 800. CW: 384,950.
- 08/18/83 6299' PBTD, well open to pit, gas rate TSTM. DW: 0. CW: 384,950.
- 08/19/83 6299' PBTD, MIRU plugging unit. ND wellhead. TOOH w/ tbg. Welded onto 4-1/2" csg. PU csg out of slips. RU Gearhart. Free-point csg & cut csg @ 3234'. SDFN. DW: 1550. CW: 386,500.
- 08/20/83 6299' PBTD, RU csg crew. POOH & LD 3234' of 4-1/2", 10.5#, K-55, ST&C csg. Welded onto 7" csg. PU csg out of slips. RU Gearhart. RIH & free-point 7" csg & cut csg @ 975'. RU csg crew. POOH & LD 975' of 7", 20#, K-55, ST&C csg. TIH w/ 2-3/8" tbg & set plugs as follows: 15 sxs @ 6300-6150', 25 sxs @ 3334-3134', 55 sxs @ 1075-875', 110 sxs @ 500-200', 25 sxs @ surface. Cut-off casinghead, installed dry hole marker, cleaned location. RR @ 10 PM on 8/19/83. Well P & A'd on 8/19/83. FINAL REPORT!!! DW: 13,625. CW: 400,125.

WELL NAME: TXO USA "A" #1  
AREA: San Arroyo  
LOCATION: Section 20, T16S-R25E  
COUNTY: Grand  
STATE: Utah  
FOOTAGE: 330' FSL & 500' FWL

PTD: 6325'  
ELEVATIONS: 7215' GL  
CONTRACTOR: Veco #8  
AFE NUMBER: 830609  
LSE NUMBER: 94292  
TXO WI: 50%

\*\*\*\*\*

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Just Mail

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Denver, Colorado 80237  
Attn: Pam Bates-McCormack  
Phone: (303) 694-6076 x161  
Daily Call  
Weekly Mail

NATURAL GAS CORP. OF CA.  
85 South 200 East  
Vernal, Utah 84078  
Just Mail

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- 06/27/83 329' (329'), Cond hole for surf csg. Mesaverde. Dust-50#. MIRURT. Spudded 12-1/4" hole @ 5 PM on 6/26/83. Drld to 329'. TD 12-1/4" surface hole @ 6 AM on 6/27/83. Presently blowing hole to run surf csg. 3/4" @ 329'. DW: 9492. CW: 9492. DD 1.
- 06/28/83 509' (180'), drlg. Mesaverde. Dust-100#. Blew hole clean. TOOH. RU & ran 8 jts 9-5/8", 36#, K-55, ST&C. Set @ 326'. FC @ 286'. RU Western & cmtd as follows: Circ w/ air for 10". Pumped 10 bbls gelled wtr, 100 sx 65-35 poz w/ 2% CaCl<sub>2</sub> & 1/2#/sx flocele, tailed by 60 sx Class "H" w/ 2% CaCl<sub>2</sub> & 1/2#/sx flocele. PD @ 1 PM 6/27/83. BP to 750#. Float did not hold, no returns. Filled backside to surface w/ 45 sx "H" w/ 2% CaCl<sub>2</sub>, 1/2#/sx flocele, 1/2#/sx sawdust. W.O.C. 4 hrs. Screwed on wellhead @ 5:30 PM 6/27/83. NU BOP & test to 1000#. TIH w/ bit & DC. Drl cement. Dry up hole. Resume drlg w/ dust. DW: 45,737. CW: 55,229. DD 2.
- 06/29/83 2395' (1886'), drlg. Mesaverde. Mist-280#. Hole got wet @ 1254'. Switched to air mist & resumed drlg. 2" @ 665', 1-3/4" @ 943', 1-1/2" @ 1254', 3/4" @ 1536', 1-1/4" @ 1846', 1-1/2" @ 2149'. DW: 29,250. CW: 84,479. DD 3.
- 06/30/83 2922' (527'), short trip. Mancos. 8.5, 88, 10.8, 9.5. Drld ahead w/ air mist. Tight connection @ 2750'. TD 8-3/4" hole @ 2:30 PM on 6/29/83. Short trip 5 stnds, tight from 2850-2670'. Attempt to mud up hole. Pumped 900 BM. Had 275# standpipe pressure. No returns to surface. Mixed mud & POOH 3 stnds. Found FL + 300' from surface. RIH. Tag fill @ 2840'. Began washing & reaming to btm. No returns. Lost + 400 BM. Making 5 stnd short trip. Castlegate @ 2485', Mancos @ 2710'. 1-3/4" @ 2453', 2" @ 2717'. DW: 14,462. CW: 98,941. DD 4.
- 07/01/83 3070' (148'), drlg. Mancos. Dust 180#. Fin short trip. No fill or tight spots. TOOH. LD 6-1/4" DCs. RIH w/ 64 jts 7", 20#, K-55 csg (2917'), no fill. RU Western & cmtd csg. Pumped 75 BM, 10 BM flush, & 10 BW. Cmtd w/ 75 sxs 50/50 poz w/ 2% CaCl<sub>2</sub>, 1/4#/sx celloflake, 2% gel, tailed w/ 75 sxs Cl "H" w/ 2% CaCl<sub>2</sub>, 1/4#/sx celloflake. Set shoe @ 2917'. Set float @ 2871'. Float did not hold. Held 1000# on csg. WOC 3 hrs. PD @ 1 PM 6/30/83. BP @ 1000#. No returns. Cut-off @ 4 PM on 6/30/83. Set slips, NU BOP & test to 1000#. RU 4-3/4"

|            |                       |             |          |
|------------|-----------------------|-------------|----------|
| WELL NAME: | TXO USA "A" #1        | PTD:        | 6325'    |
| AREA:      | San Arroyo            | ELEVATIONS: | 7215' GL |
| LOCATION:  | Section 20, T16S-R25E | CONTRACTOR: | Veco #8  |
| COUNTY:    | Grand                 | AFE NUMBER: | 830609   |
| STATE:     | Utah                  | LSE NUMBER: | 94292    |
| FOOTAGE:   | 330' FSL & 500' FWL   | TXO WI:     | 50%      |

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- 07/01/83 DCs, TIH, drld cmt, dried up hole. Resume drlg w/ dust. 2° @ 3015'. cont. DW: 50,517. CW: 149,458. DD 5.
- 07/02/83 4636' (1566'), drlg. Mancos. Dust 200#. 2° @ 3334', 2-1/4° @ 3615', 2-1/2° @ 3921', 2-3/4° @ 4235', 2-3/4° @ 4546'. DW: 25,551. CW: 175,009. DD 6.
- 07/03/83 5801' (1165'), TOOH for bit. Mancos. Dust 200#. 3° @ 4808', 3-3/4° @ 5080', 3-3/4° @ 5234', 3-1/4° @ 5521', 3-1/4° @ 5801'. DW: 19,920. CW: 194,929. DD 7.
- 07/04/83 6360' (559'), logging. Morrison. Dust 200#. Began taking 12' flare @ 6205'. Drld to 6218'. Blew hole & tested. Had 13# on 3/4" ori-fice. FARO 303 MCFD. TD 6-1/4" hole @ 9 PM on 7/3/83. Blew hole clean. Made 10 stnd short trip, no fill or tight spots. Blew hole clean. TOOH to log. RU Gearhart & presently logging. Dakota Silt @ 6028', Dakota @ 6077', Morrison @ 6325'. 3-1/2° @ 6113'. DW: 10,917. CW: 205,846. DD 8.
- 07/05/83 6360' (0'), RDRT. Morrison. Fin logging. TIH w/ bit & cond hole for csg. TOOH. LD DP & DC. RU & ran 151 jts 4-1/2", 10.5#, K-55, ST&C (6359'). RU Western & cmtd csg. Circ w/ mud for 45 min. Pumped 20 bbls of mud flush, 5 bbls wtr. Cmtd w/ 125 sxs of Cl "G" w/ 5% KCL, 2% gel, 1/4#/sx celloflake. Shoe set @ 6359'. Float set @ 6317'. ND BOP & set slips & cut-off csg. Clean mud pits. RR @ 5:30 AM on 7/5/83. Drop from report until completion begins. DW: 67,817. CW: 273,663. DD 9.
- 07/14/83 6317' PBTD, MIRUCU. Unload 214 jts 2-3/8", 4.7#, J-55, EUE tbg. Spot pump & tank. ND wellhead. SDFN. DW: 24,843. CW: 298,506.
- 07/15/83 6317' PBTD, PU & RIH w/ 3-7/8" bit, csg scraper, & 206 jts 2-3/8", 4.7#, J-55, EUE tbg. Tag PBTD @ 6299'. RU pump & tank. PT csg to 3000# for 15 min. Held OK. RU swab. Swab ± 80 BW, left FL @ 5200'. TOOH w/ tbg. LD bit & scraper. RU Dyna-Jet. Ran correlation log. RIH w/ 3-1/8" select fire csg gun & perf 4th Dakota from 6258-60' & 6202-14' w/ 1 JSPF. Total of 16 holes, 0.38" dia. RD Dyna-Jet. RIH w/ notched collar, 1 jt tbg, SSN & 197 jts 2-3/8" tbg. Land tbg @ ± 6050'. RU swab, made 1 run. IFL @ 5200'. Rec 3 BW. Very slight gas show. Well went on vacuum. LOTPON. SDFN. This AM had 0# FTP, 100# CP, well dead. RU swab. IFL @ 4700'. DW: 5960. CW: 304,466.
- 07/16/83 6299' PBTD, RU swab. IFL @ 4800'. Made 8 runs. Rec 20 BW, slight gas show, TSTM. FFL @ SSN. ND BOP & NU wellhead. RU Smith & Nowasco. Acidized well as follows: pumped 86 bbls 3% KCL until circ broken @ surf, pumped 25,000 scf N<sub>2</sub> pad. SI annulus w/ 2 bbls left to dspl in tbg, pumped 750 gal 7-1/2% HCL w/ additives & 750 scf/bbl N<sub>2</sub>, & 30 ball sealers. Flushed to perms w/ 3% KCL & 750 scf/bbl N<sub>2</sub>. Good ball action, didn't ball off. AIR 5 BPM @ 3800#. MIR 5 BPM @ 4400#. ISIP 2800#, 5 min 2100#, 10 min 1500#, 15 min 1400#. Opened well up & RU Nowasco to annulus to unload annulus wtr. Est 21 BLTR. Well flowing to pit w/ 20# on 3/4" ch, making heavy mist, gas won't burn. LOTPON. DW: 9623. CW: 314,089.
- 07/17/83 6299' PBTD, 0# FTP, 600# CP. Well dead. RU swab. FL @ 5400'. Rec 2 BW. Well KO & blew for 45 min. Well died. 0# FTP, 200# CP. Made 2nd run. FL @ 5800'. Rec 1 bbl. Well KO. Well flowed w/ 5' flare. Gas rate TSTM. Made 3rd run, FL @ 6000'. Rec no fluid. 4th run, FL @ 6000'. Rec 1/4 BW. Left well open to pit w/ 5' flare. 0# FTP, 80# CP, gas rate TSTM. Dropped 2 soap sticks. SDFN. DW: 1400. CW: 315,489.

|            |                       |             |          |
|------------|-----------------------|-------------|----------|
| WELL NAME: | TXO USA "A" #1        | PTD:        | 6325'    |
| AREA:      | San Arroyo            | ELEVATIONS: | 7215' GL |
| LOCATION:  | Section 20, T16S-R25E | CONTRACTOR: | Veco #8  |
| COUNTY:    | Grand                 | AFE NUMBER: | 830609   |
| STATE:     | Utah                  | LSE NUMBER: | 94292    |
| FOOTAGE:   | 330' FSL & 500' FWL   | TXO WI:     | 50%      |

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07/18/83 6299' PBTB, well flowing to pit w/ 5' flare. 0# FTP, 40# CP. Attempted to test well on 3/4" ch & 1/4" ch, gas rate TSTM. Prep to frac this AM. DW: 350. CW: 315,839.

07/19/83 6299' PBTB, well flowing to pit w/ 5' flare, gas rate TSTM. RU Smith & Liquid Carbonics. Frac dn tbg & annulus as follows:

| Stage        | Amount   | Rate     | Pressure | # of 20/40 sd |
|--------------|----------|----------|----------|---------------|
| methanol pad | 6000 gal | 8 BPM    | 2900#    |               |
| pre-pad      | 16,000   | 14 BPM   | 4100#    |               |
| 0.5 ppg      | 5,000    | 13.7 BPM | 4150#    | 2,500         |
| 1.0 ppg      | 5,000    | 16.4 BPM | 4100#    | 5,000         |
| 1.5 ppg      | 5,000    | 16.2 BPM | 4100#    | 7,500         |
| 2.0 ppg      | 5,000    | 16.2 BPM | 4200#    | 10,000        |
| 2.5 ppg      | 4,830    | 15 BPM   | 4200#    | 12,075        |
| Totals:      | 46,830   |          |          | 37,075        |

All stages, except for methanol, were 40# GWX-07 w/ 750 scf/bbl CO<sub>2</sub>. During 2.5 ppg stage, press rose to 4600#. Well screened out. Est 27,700# 20/40 sd through perms. ISIP 3950#, 5 min 3400#. AIR 14.8 BPM @ 4100#. MTP 4600#. SI for 1-1/2 hrs. Opened well to pit on 3/4" ch. Well making heavy sd initially, decr to slight trace. Rec 4 ball sealers w/ perf imprints. Tbg died. CP 460#. Blew well dn through annulus for 1 hr. Rec no sd through annulus. ND wellhead, NU BOP. TOOH w/ tbg. Well dead. LOTPON. SDFN. Prep to tag sd & CO this AM. DW: 52,098. CW: 367,937.

07/20/83 6299' PBTB, well dead. RIH w/ notched collar, SSN & 2-3/8" tbg. Tag sd @ 5543'. LD 26 jts tbg. RU pump, tank & swivel. Circ out sd to 6299' PBTB. Lost 65 bbls 3% KCL to fm. ND BOP & NU wellhead. Land tbg @ 6049'. LOTPON. SDFN. BLTR 927. DW: 3223. CW: 371,160.

07/21/83 6299' PBTB, well dead. RU swab. IFL @ 3000'. Made 21 runs, rec 65 BLW. Fluid entry rate @ 1 BPH. FFL @ SSN. CP 0#. Had very slight gas blow after swab runs. LOTPON. SDFN. DW: 1650. CW: 372,810.

07/22/83 6299' PBTB, well dead. 0# FTP, 180# SICP. RU swab. IFL @ 4500'. Made 14 runs, rec 29 BLW. No sd. FFL 300' above SSN. First few runs, had 10" gas blow after swab run, decr to 4-5" on later runs. Gas would burn if torch kept on it. Final CP 80#. LOTPON. SDFN. DW: 1550. CW: 374,360.

07/23/83 6299' PBTB, well dead. FTP 0#. SICP 240#. RU swab. IFL @ 4500'. Made 13 runs. Rec 20.2 BLW. Fluid entry rate @ 1.5 to 2 BPH. Well would flare intermittently after swab runs w/ a 2' flare. Well blew dn in 10 min after swab runs. Final SICP 95#. SDFN. DW: 1450. CW: 375,810.

07/24/83 6299' PBTB, well dead. FTP 0#. SICP 340#. Swabbed well dn in 2 runs. IFL @ 4500'. Made 6 runs total for the day, rec 12 BLW. Fluid entry rate 1-2 BPH. Well would blow 5-10 min after each swab run. Final CP 70#. SIFN. DW: 1100. CW: 376,910.

07/25/83 6299' PBTB, SDFS. DW: 0. CW: 376,910.

07/26/83 6299' PBTB, SITP 365#, SICP 390#. Blew well dn in 1/2 hr. Heavy mist. RU swab. IFL @ 4500'. Made 5 runs, rec 5 BLW. After last run, well blew for 1/2 hr & died, heavy mist. TIH & tag sd @ 6256'. ND wellhead, NU BOP & stripping head. RU pump & tank. SDFN. Prep to circ out sd to 6299' PBTB. DW: 1550. CW: 378,460.

|            |                       |             |          |
|------------|-----------------------|-------------|----------|
| WELL NAME: | TXO USA "A" #1        | PTD:        | 6325'    |
| AREA:      | San Arroyo            | ELEVATIONS: | 7215' GL |
| LOCATION:  | Section 20, T16S-R25E | CONTRACTOR: | Veco #8  |
| COUNTY:    | Grand                 | AFE NUMBER: | 830609   |
| STATE:     | Utah                  | LSE NUMBER: | 94292    |
| FOOTAGE:   | 330' FSL & 500' FWL   | TXO WI:     | 50%      |

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- 07/27/83 6299' PBTD, RU pump & tank. Circ & CO sd to 6299' PBTD. Circ hole clean. POOH & land tbg @ 6100'. ND BOP. NU wellhead. RU swab. IFL @ surf. Made 13 runs, rec 70 BLW. Well didn't blow after swab runs. Fluid entry rate @ 7-8 BPH. FFL @ 5000'. No gas show. SIFN. DW: 2700. CW: 381,160.
- 07/28/83 6299' PBTD, SITP 0#, SICP 0#. RU swab. IFL @ 3900'. Made 14 runs, rec 37.4 BLW. No blow after swab runs. No gas. FFL @ 5950'. SI. RR @ 11:30 AM on 7/27/83. Drop from report pending further evaluations. DW: 1240. CW: 382,400.
- 08/16/83 6299' PBTD, SITP 640#, SICP 680#. Open well up & blew dn in 3 min. Gas rate TSTM. RU swab, IFL @ 3500'. Made 4 swab runs. Rec 10 BF. FFL @ 5400'. CP dropped to 180#. Gas rate still TSTM. SDFN. DW: 1750. CW: 384,150.
- 08/17/83 6299' PBTD, well open to pit, gas rate TSTM. WO partner approval & prep to P & A today. DW: 800. CW: 384,950.
- 08/18/83 6299' PBTD, well open to pit, gas rate TSTM. DW: 0. CW: 384,950.
- 08/19/83 6299' PBTD, MIRU plugging unit. ND wellhead. TOOH w/ tbg. Welded onto 4-1/2" csg. PU csg out of slips. RU Gearhart. Free-point csg & cut csg @ 3234'. SDFN. DW: 1550. CW: 386,500.
- 08/20/83 6299' PBTD, RU csg crew. POOH & LD 3234' of 4-1/2", 10.5#, K-55, ST&C csg. Welded onto 7" csg. PU csg out of slips. RU Gearhart. RIH & free-point 7" csg & cut csg @ 975'. RU csg crew. POOH & LD 975' of 7", 20#, K-55, ST&C csg. TIH w/ 2-3/8" tbg & set plugs as follows: 15 sxs @ 6300-6150', 25 sxs @ 3334-3134', 55 sxs @ 1075-875', 110 sxs @ 500-200', 25 sxs @ surface. Cut-off casinghead, installed dry hole marker, cleaned location. RR @ 10 PM on 8/19/83. Well P & A'd on 8/19/83. FINAL REPORT!!! DW: 13,625. CW: 400,125.

TXO USA "A" #1

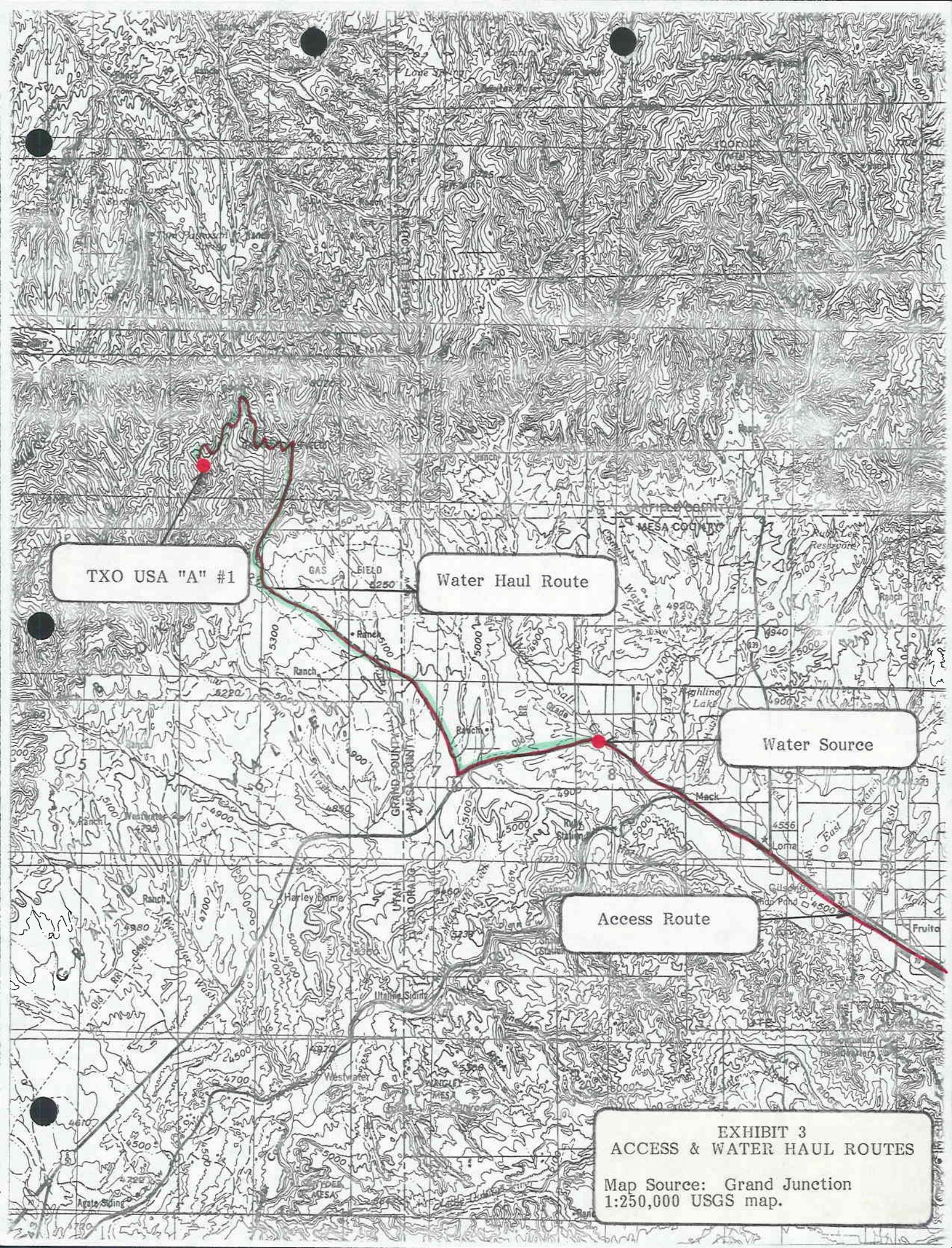
Water Haul Route

Water Source

Access Route

EXHIBIT 3  
ACCESS & WATER HAUL ROUTES

Map Source: Grand Junction  
1:250,000 USGS map.



# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

JAN 16 1984

January 12, 1984

DIVISION OF  
OIL, GAS & MINING

~~Jane Call~~

State of Utah  
Natural Resources & Energy  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Dear Ms. Call:

Please keep the logs and records from the following wells confidential:

TXO Coyote Basin Federal #1  
Sec. 5-T8S-R25E, Uintah County, Utah

TXO Little Berry State #1  
Sec. 2-T16S-R23E, Grand County, Utah

TXO Evacuation Creek State #1  
Sec. 36-T11S-R25E, Uintah County, Utah

You can release all other TXO-operated wells on which you currently have logs and wellfiles. However, this does not apply to TXO-operated wells spudded after today (January 12, 1984). The confidentiality of TXO-operated wells which are spudded after today will be determined by a letter from our engineering department.

Sincerely,

TXO PRODUCTION CORP.

*William A. Siruta*

William A. Siruta  
District Exploration Manager

WAS/cjd  
xc: Ron Dashner  
Bruce Wright

*EMCY*

A SUBSIDIARY OF TEXAS  
OIL & GAS CORP.