

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

May 6, 1983

Utah Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Mr. Norm Stout

Re: Cisco Springs #1  
Section 4-T20S-R23E  
Grand County, Utah

Gentlemen:

Enclosed please find one copy of the APD/MSUOP package for the above-captioned well, which I am submitting for your review and approval. This same package was submitted to the Bureau of Land Management Oil and Gas Office in Salt Lake City as of this date.

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

Very truly yours,

TXO PRODUCTION CORP.



K. P. Bow  
Environmental Scientist

KPB/BS  
Enclosure/as stated

**RECEIVED**  
MAY 09 1983

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 TXO Production Corp. Attn: K. P. Bow

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  
 1820' FSL, 820' FEL (NE/4 SE/4)  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 About 9 miles N-NW of Cisco, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      500'

16. NO. OF ACRES IN LEASE      206.6

17. NO. OF ACRES ASSIGNED TO THIS WELL      40

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

19. PROPOSED DEPTH      2600'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4917' GR

22. APPROX. DATE WORK WILL START\*  
 June 5, 1983

5. LEASE DESIGNATION AND SERIAL NO.  
 U-44775

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

7. UNIT AGREEMENT NAME  
 - - -

8. FARM OR LEASE NAME  
 Cisco Springs

9. WELL NO.  
 #1

10. FIELD AND POOL, OR WILDCAT  
 GREATER CISCO AREA  
 Cisco Springs

11. SEC. T. R. M., OR BLK. AND SURVEY OR AREA  
 Section 4-T20S-R23E  
 S.L. BCM

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
20"	16"	Corrugated Iron	40'	2 yards
12 1/4"	8 5/8"	24#	200'	130 sacks
7 7/8"	4 1/2"	10.5#	2600'	150 sacks

**RECEIVED**  
 MAY 09 1983  
 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 prevention program, if any.

21. SIGNED R. E. Dashner TITLE Dist. Drilling Manager DATE May 6, 1983  
 (This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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

DATE: 5-10-83  
 BY: Norman L. Bow

9-331 C ADDENDUM  
Cisco Springs #1  
Section 4-T20S-R23E  
Grand County, Utah

1. SURFACE FORMATION: Mancos Shale

2. ESTIMATED FORMATION TOPS:

Dakota Silt	1807'
Second Dakota Sand	1964'
Morrison	2095'
First Morrison Sand	2159'
Total Depth	2600'

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

Expected Gas Zone:	Second Dakota Sand	1964'
Expected Oil Zone:	First Morrison Sand	2159'

Water or hydrocarbons may be encountered in the Morrison sands between 2159' and T.D.

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

5. PRESSURE CONTROL EQUIPMENT:

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

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

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

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

6. MUD PROGRAM:

0'-200' Air or air mist. If necessary, use spud mud at 8.8-9.2#/gal., vis. 28-32 sec. API.

200'-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-GR from TD to surface pipe, FDC-SNP-GR-CAL from TD to 2000' above TD. If logged wet: FDC-CNL-GR-CAL from TD to 2000' above TD.
- C. No DST's are planned.

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	June 5, 1983
Spud date	June 20, 1983
Complete drilling	July 1, 1983
Completed, ready for pipeline	July 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 fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

TXO PRODUCTION CORP.  
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: May 6, 1983

WELL NAME: Cisco Springs #1

LOCATION: 1820' FSL, 820' FEL, Section 4-T20S-R23E, Grand County, Utah.

LEASE NO.: U-44775

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 1820' FSL and 820' FEL in Section 4-T20S-R23E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From the east Cisco Exit on I-70 about 45 miles west of Grand Junction, take the left-hand dirt road which travels west-northwest for 5.7 miles to a major junction. Bear right at this junction and drive northerly for 0.85 mile to the Ambra TXO 9-1 well. Turn right and proceed north past this well for 0.25 mile. Turn right at the T and drive east 0.1 mile. Take the right fork and continue for 0.1 mile east on the two-track trail which runs along a surface pipeline. Turn left onto access road and drive north 0.15 mile to the location of the Cisco Springs #1.
- 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 road from the Ambra TXO 9-1 location to the proposed access road will need to be graded. The two-track portion may need to be crowned and ditched. One low water crossing will be constructed. Maintenance will be done as needed on all of the existing roads used for access to the location.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road, approximately 0.1 mile long, will be constructed in a northerly direction from the existing road to the pad. The proposed road will be constructed as a Class III road, and will be 18-20 feet wide with a maximum disturbance width of 30 feet. The access road will follow a grade of 5% or less. The road will cross no drainages; no low water crossings will be constructed on the new access. There will be no cattleguards, gates or cutting of fences. Refer to Exhibit 5. About 500 feet of the proposed access road will be off-lease. A federal right-of-way application for all affected off-lease non-county roads is included at the end of this MSUOP.

3. LOCATION OF EXISTING WELLS

Exhibit 6 is a one-mile radius locating and identifying the following:

- A. Water Wells-None
- B. Abandoned Wells-Adams 1 Fed-622, Sec. 4-20S-23E  
Adams 1 Fed-037, Sec. 3-20S-23E  
Ambra 1-80-A-TXO, Sec. 10-20S-23E  
Ambra 2-80-C TXO, Sec. 9-20S-23E  
Pease 4 Fed-355, Sec. 9-20S-23E  
Pease 2 UV Ind., Sec. 10-20S-23E
- C. Temporarily Abandoned Wells-None
- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells-Pease 1 Fed-143, Sec. 4-20S-23E  
Adams 3-037 Fed., Sec. 3-20S-23E  
Adams 2-037 Fed., Sec. 3-20S-23E  
Ambra 1 TXO-Springs, Sec. 9-20S-23E  
Jacobs 3-355 Fed., Sec. 9-20S-23E  
Pease 1-506 Fed., Sec. 9-20S-23E  
Pease 4 UV Ind., Sec. 10-20S-23E  
Pease 1-A Cardmoore, Sec. 10-20S-23E
- G. Shut-in Wells-Ambra 2-Maverick, Sec. 4-20S-23E  
Adams 1-355 Fed., Sec. 9-20S-23E
- H. Injection Wells-None
- I. Monitoring or Observation Wells for Other Reasons-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Exhibit 6 is a one-mile radius locating the following existing facilities owned by the lessee/operator:
  - 1. Tank Batteries-None
  - 2. Production Facilities-None
  - 3. Oil Gathering Lines-None
  - 4. Gas Gathering Lines-None
  - 5. Injection Lines-None
  - 6. Disposal Lines-None
- B. If new facilities are contemplated, in the event of production, show:
  - 1. Proposed facilities and attendant lines in relation to the well pad. Refer to Exhibit 7.
  - 2. Dimensions of facilities: Refer to Exhibit 7.
  - 3. The production facilities will include a produced water pit, a blowdown pit, separator, and, if necessary, a dehydrator. The pit will be located in cut, will contain all water production and be built in accordance with NTL-2B specifications. All connection work will be done by an oil field service company using standard oil field materials.

4. Protective devices and measures to protect livestock and wildlife: 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 the Colorado River in Section 15-T21S-R24E, Grand County, Utah. TXO Production Corp. has a surface water appropriation permit, #58600 from the Utah State Engineer.
- 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 off the west side of the pad for later use during rehabilitation on the disturbed areas. Additional material, if needed, will be purchased from the dirt contractor.
- B. Identify if from Federal or Indian Land: The affected land is Federal and under the management of the Bureau of Land Management.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: Material other than that supplied by cuts on location should not be required to construct the pad and road. Approximately 2,597 cubic yards of material will be derived from cuts on location and approximately 2,271 cubic yards of fill are needed. Refer to Exhibit 7.
- D. Show any needed access roads crossing Federal or Indian Lands: The proposed new access road will cross BLM administered lands in Section 4-T20S-R23E. Refer to Exhibit 5.

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 flare 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 8.
- 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 will be backfilled. Disturbed areas of the pad not needed for production facilities will be graded to an appearance consistent with the natural contours. These areas will then be covered with topsoil, disked and reseeded with a seed mixture recommended by the BLM. If the well is not commercially productive, the entire pad will be reclaimed as described above.

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

- B. Prior to rig release, pits will be fenced and so maintained until 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 June 18, 1983, and will be completed within approximately one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well pad is located at the base of a prominent ridge which slopes to the south. The soil is a clay loam, and vegetative cover is sparse, about 15% or less. Plant species in the area include greasewood, saltbush, rabbitbrush, Indian rice grass, cheat grass, needle grass and various forbs such as milk vetch and Indian paintbrush. Fauna in the area include various birds and small mammals. No endangered species are known to occur in the area.
- B. Other surface-use activities and surface ownership of all involved lands: The primary use of the land is oil and gas production.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: There are no live streams in the immediate area. Cisco Springs is located about 3/4 mile southwest of the proposed location, and Cisco Wash runs west of the location. There are no occupied dwellings in the area, and the proposed location and access road fall within an area which was previously cleared for archeology; hence, no additional archeological work is required for this prospect.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

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

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

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

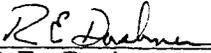
K. P. Bow  
Environmental Scientist  
TXO Production Corp.  
1800 Lincoln Center Building  
1660 Lincoln Street  
Denver, Colorado 80264  
(303) 861-4246 - Business  
(303) 477-2072 - Residence

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: May 6, 1983

  
\_\_\_\_\_  
R.E. Dashner  
District Drilling Manager

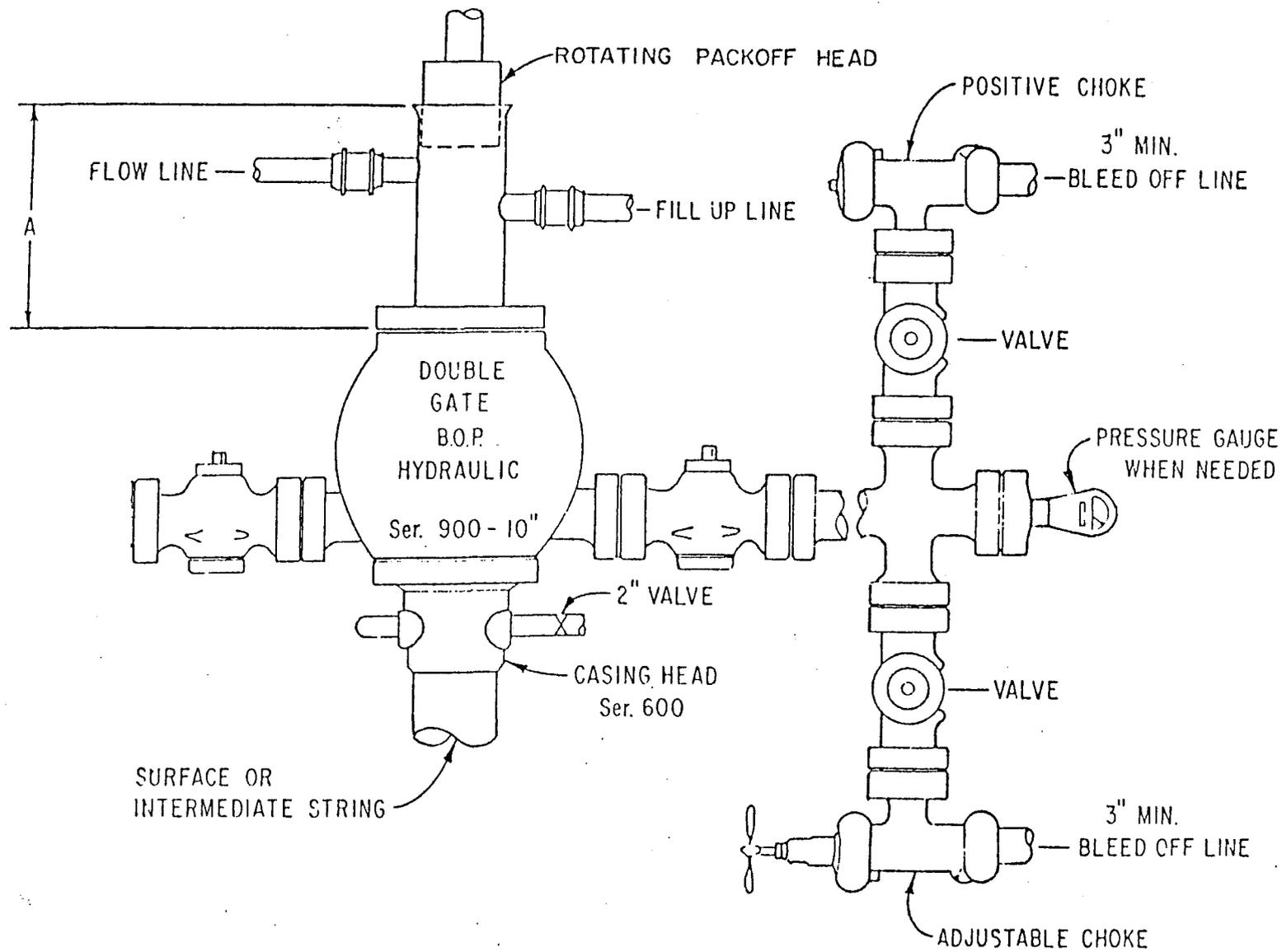


EXHIBIT I  
 BLOWOUT PREVENTER DIAGRAM

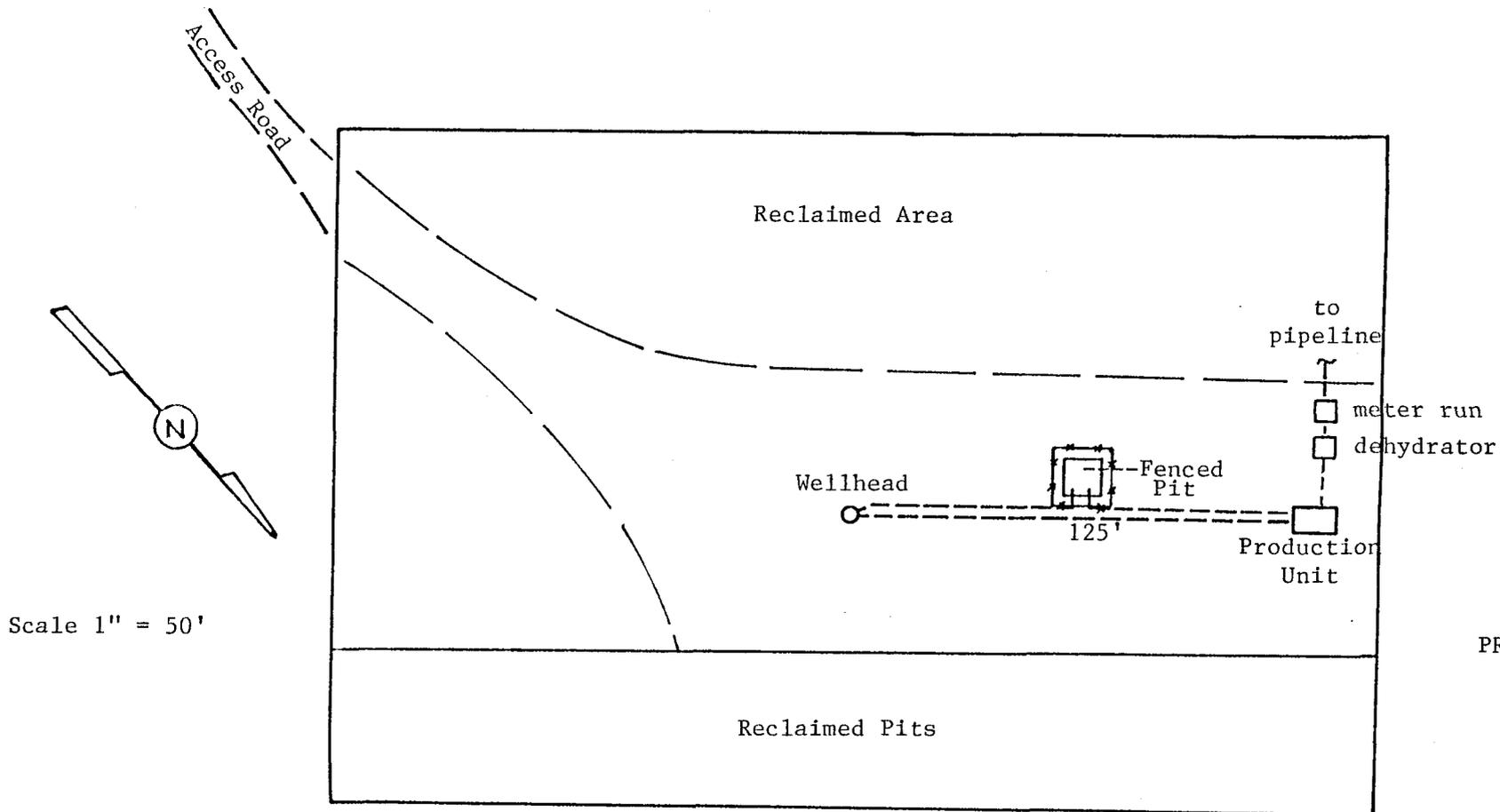


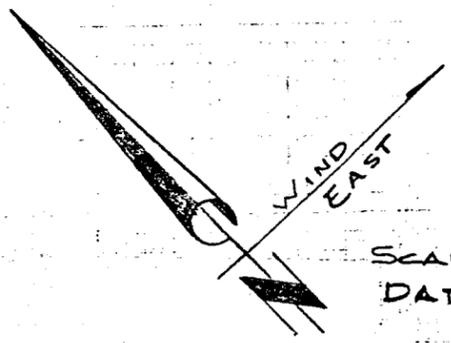
Exhibit 7

PRODUCTION FACILITIES

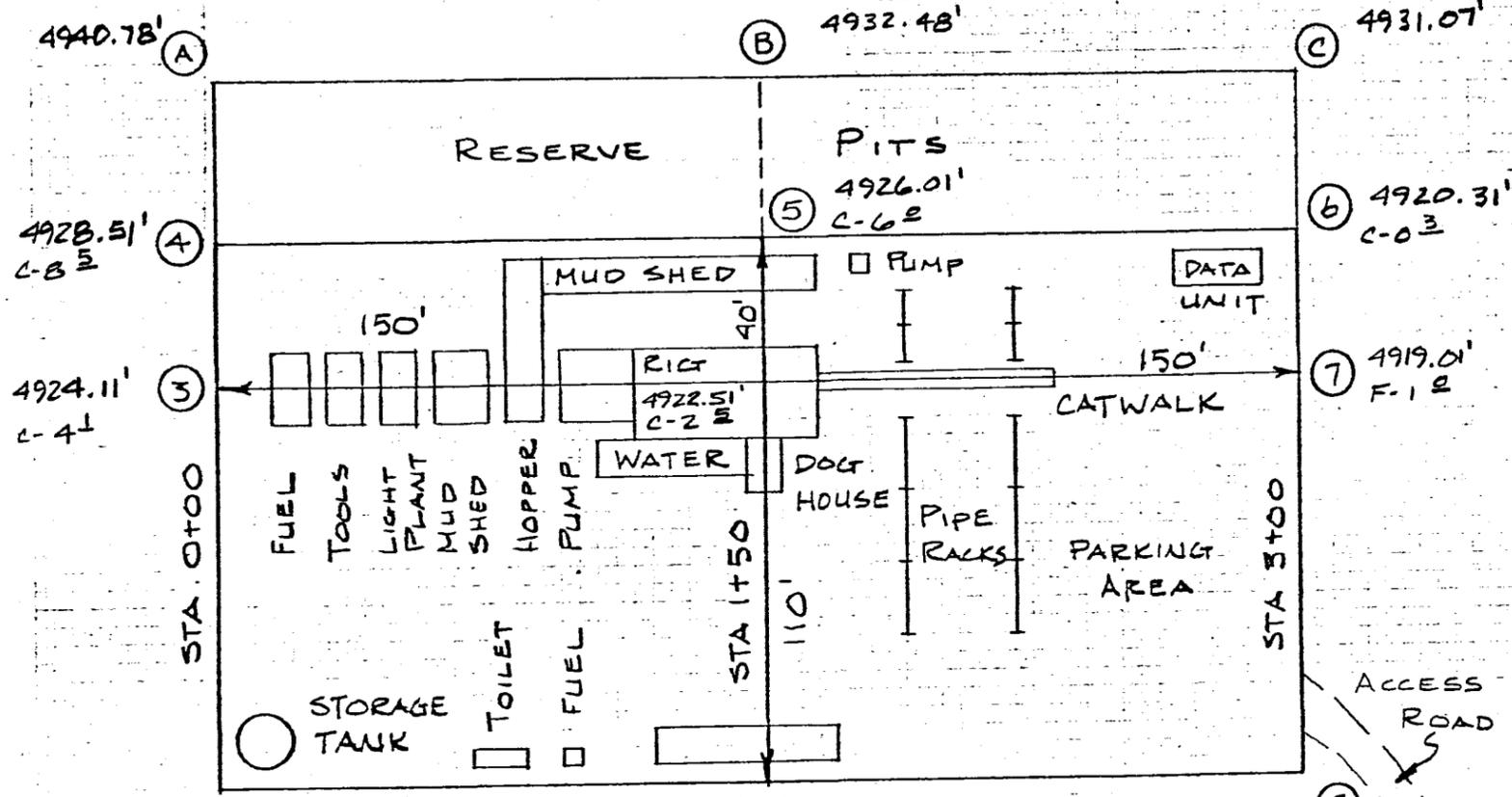
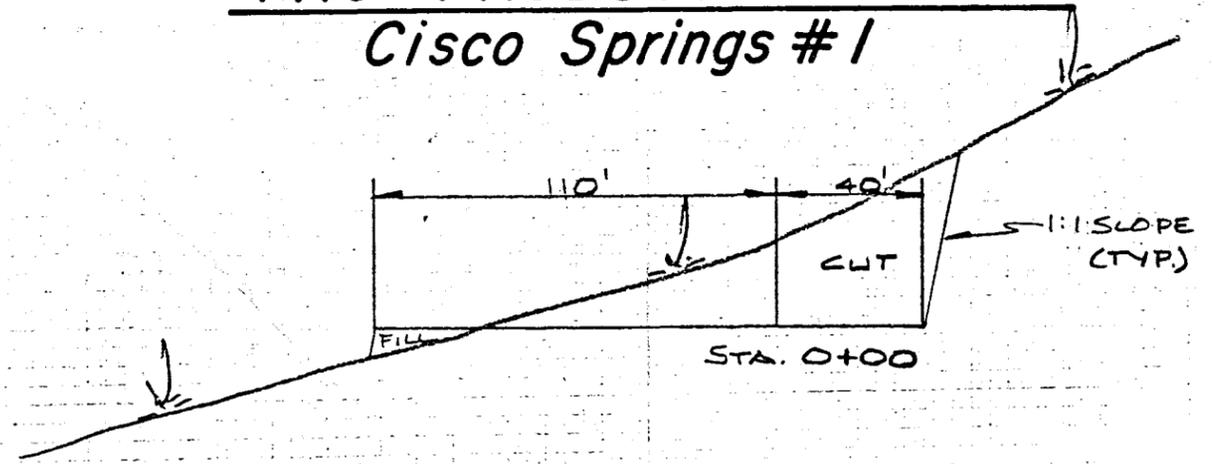
CISCO SPRINGS #1

- 1) Pits will be 10' x 10' x 6' deep and will be surrounded by fencing.
- 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) Separator will be an ASME coded vessel.

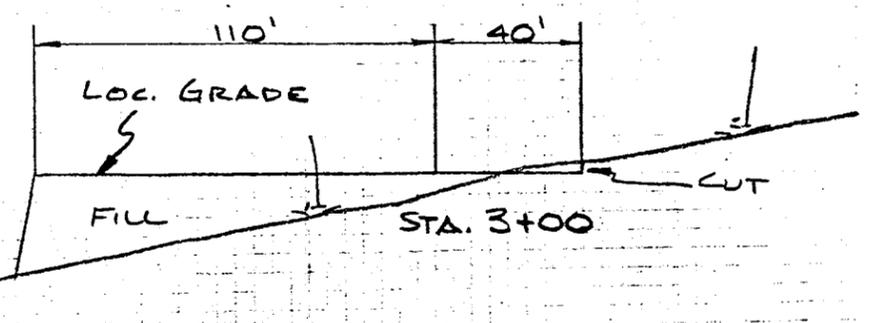
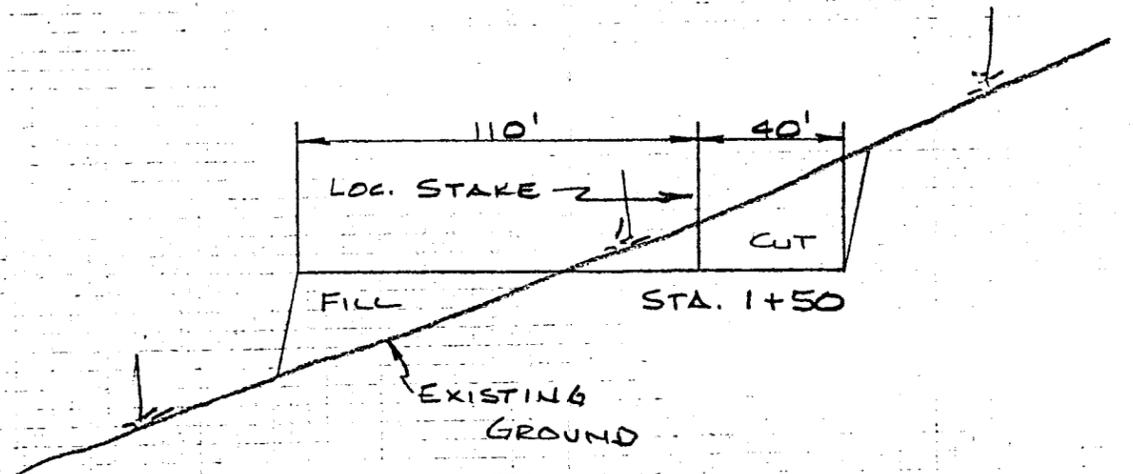
**TXO PRODUCTION CORP.**  
**Cisco Springs #1**



SCALE: 1" = 50'  
 DATE: 5/3/83



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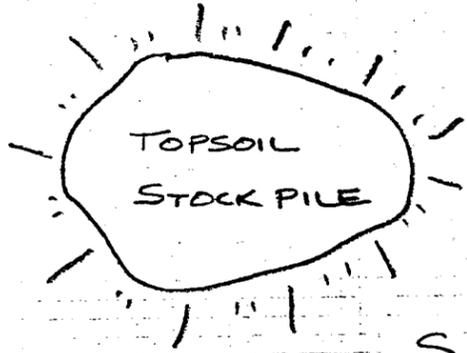


1" = 10'  
 SCALES  
 1" = 50'

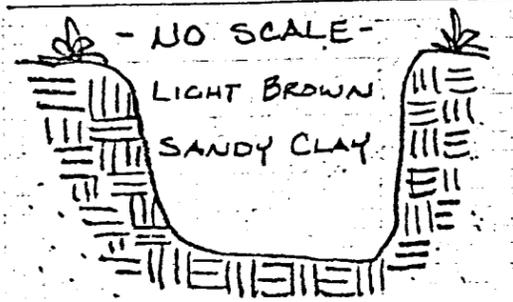
APPROX YARDAGES

CU. YDS FILL - 2271  
 CU. YDS. CUT - 2597

4918.51' (2) F-1E



**SOILS LITHOLOGY**



Application for Right-of-way  
Under the  
Federal Land Policy and Management Act

Serial Number \_\_\_\_\_  
Date & Time Recorded \_\_\_\_\_

TXO Production Corp. hereby applies for a right-of-way across public lands pursuant to Title V of the Federal Land Policy and Management Act of October 21, 1976 (90 Stat. 2776; 43 U.S.C. 1761) (FLPMA), the Mineral Leasing Act of February 25, 1920 (30 U.S.C. 185) as amended by the Act of November 16, 1973 (87 U.S.C. 576) and the regulations in 43 CFR Group 2800. TXO Production Corp. agrees that the right-of-way, if approved, will be subject to the terms and conditions contained in the above authority.

TXO Production Corp. is qualified to do business in the State of Utah. The Corporate Qualification Number for TXO Production Corp. registered with the New Mexico State Office of the Bureau of Land Management, is NM-43000.

This application is for a right-of-way for an access road.

I. ACCESS ROADS

- a. The right-of-way will provide access to the well referenced in the APD/MSUOP, and to the Cisco Springs "A" #1, Section 9-T20S-R23E. Please refer to Map 1.

The existing road will not require upgrading. However, during wet periods some maintenance may be required to allow passage by drilling rigs and well servicing vehicles. Dry periods may necessitate watering the road to control dust.

Further information regarding maintenance and construction of the access road may be found in the APD/MSUOP (see Sections 2 and 10).

- b. The requested right-of-way is located in Grand County, Utah.  
Legal description follows:

Section 9-T20S-R23E  
E/2, NW/4

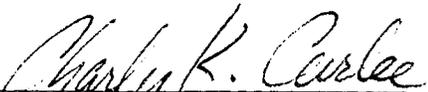
Section 4-T20S-R23E  
S/2

- c. The total length of the requested right-of-way is 1.4 mile. A check for \$ 140.00 will be submitted during the surface inspection of the well and right-of-way route. The check includes \$100.00 for the filing fee and \$40.00 for the monitoring fee.

- d. TXO Production Corp. is exempt from rental payment for access roads per 43 CFR 2803.1-2.

I hereby certify, that I am of legal age and have the authority to execute right-of-way applications for TXO Production Corp., that TXO Production Corp. is authorized to do business in the State of Utah and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Date May 6, 1983

  
Charles K. Curlee  
Environmental Manager

OPERATOR TXO PRODUCTION CORP DATE 5-10-83

WELL NAME CISCO SPRINGS #1

SEC NESSE 4 T 20S R 23E COUNTY GRAND

43-019-31061  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 400' —  
WELL LOCATION IS 500' FROM LEASE LINES

*DJK*

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT

c-3-a 102-1613 11-15-79  
CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 102-16 R

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

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

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

May 10, 1983

TXO Production Corp.  
Attn: K. P. Bow  
1800 Lincoln Center Building  
Denver, Colorado 80264

RE: Well No. Cisco Springs #1  
NESE Sec. 4, T.20S, R.23E  
1820 FSL, 820 FEL  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 102-16B dated November 15, 1979.

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 - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

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 43-019-31061.

Sincerely,

Norman C. Stout  
Administrative Assistant'

N6S/as  
cc: Oil & Gas Operations  
Enclosure

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MINERAL RIGHTS OF  
OIL & GAS OPERATIONS  
ACCEPTED  
MAY 5 1983  
SALT LAKE CITY, UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
 TXO Production Corp. Attn: K. P. Bow

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  
 1820' FSL, 820' FEL (NE/4 SE/4)  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 About 9 miles N-NW of Cisco, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 206.6

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

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

19. PROPOSED DEPTH 2600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, CR, etc.) 4917' GR

22. APPROX. DATE WORK WILL START\* June 5, 1983

5. LEASE DESIGNATION AND SERIAL NO.  
 U-44775

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

7. UNIT AGREEMENT NAME  
 - - -

8. FARM OR LEASE NAME  
 Cisco Springs

9. WELL NO.  
 #1

10. FIELD AND POOL, OR WILDCAT  
 Cisco Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 4-T20S-R23E  
 S.L. B&M

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
20"	16"	Corrugated Iron	40'	2 yards
12 1/4"	8 5/8"	24#	200'	130 sacks
7 7/8"	4 1/2"	10.5#	2600'	150 sacks

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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 prevention program, if any.

21. SIGNED R. E. Dastner TITLE Dist. Drilling Manager DATE May 6, 1983  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] E. W. Guynn  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ TITLE District Oil & Gas Supervisor DATE JUN 13 1983

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

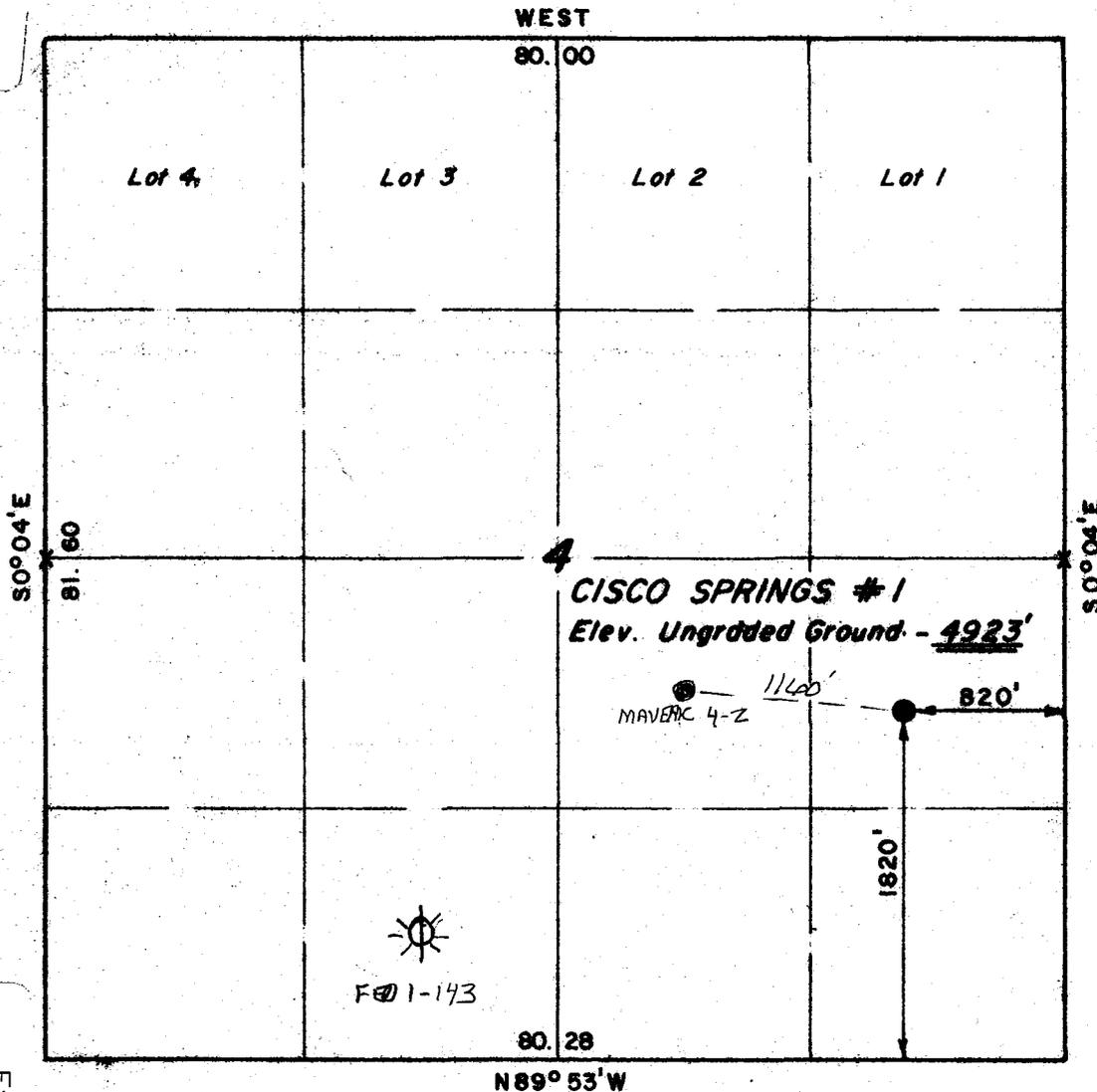
T 20 S , R 23 E , S.L.B. & M.

PROJECT

TXO PRODUCTION CORP.

Well location, CISCO SPRINGS #1,  
located as shown in the NE 1/4 SE 1/4  
Section 4, T20S, R23E, S.L.B. & M.  
Grand County, Utah.

BEST COPY AVAILABLE



CERTIFICATE

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

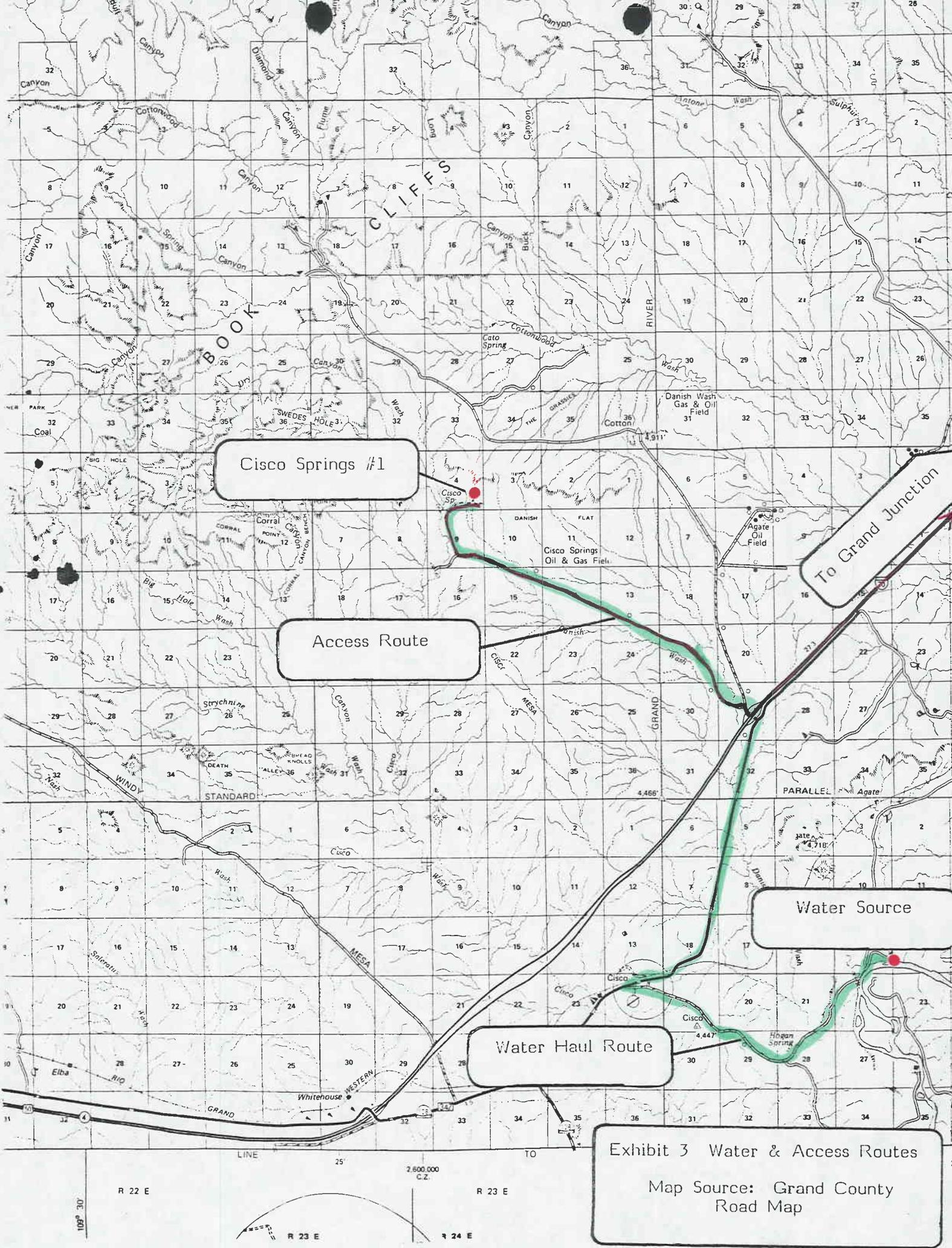
*Lawrence G. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3137  
STATE OF UTAH

Exhibit 2  
Survey Plat

X = Section Corners Located

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 88 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	5/3/83
PARTY	RK DB JK RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	TXO



Cisco Springs #1

Access Route

To Grand Junction

Water Source

Water Haul Route

Exhibit 3 Water & Access Routes  
Map Source: Grand County Road Map

109° 30' R 22 E 2500000 C.Z. R 23 E R 24 E

TXO Production Corporation  
Well No. 1  
Section 4, T. 20 S., R. 23 E.  
Grand County, Utah  
Lease U-44775

Supplemental Stipulations

- 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) 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.
- 3) Production facilities will include a produced water pit, pumping unit, heater treater, blowdown pit and two 400 barrel storage tanks.
- 4) All above-ground production facilities will be painted using the attached suggested colors.
- 5) Fence material will be 36 inch woven wire with a single strand of barbed wire on top for support for all pits.
- 6) Production facilities will be located on the east side of the location. A berm will be constructed around the oil tanks. This berm should be designed to contain 110% of the volume of the production tanks. All loading valves will be located inside the berm.
- 7) The top 4 inches of the soil material will be removed and stock-piled along the west edge of the pad.
- 8) A ditch will be placed along the north edge of the pad above the reserve pits in order to divert surface runoff from the location.
- 9) Adequate and sufficient electric/radioactive logs will be run to locate and identify the anticipated coal beds in the Dakota. 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.

## ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a 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.



# 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)
Desert Tan	-----
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.

SEED MIXTURE

<u>Species</u>		<u>Rate</u>
<u>Grasses</u>		
Oryzopsis hymenoides	Indian ricegrass	1
Hilaria jamesii	Curly grass	1
<u>Forbs</u>		
Sphaeralcea coccinea	Scarlett Globemallow	.5
<u>Browse</u>		
Atriplex nuttallii	Nuttal Saltbush	1
Atriplex confertifolia	Shadscale	<u>1</u>
	TOTAL	4.5

Double the above rate when seed is broadcast.

Seed between October 1 - December 31 of each year.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO Productions

WELL NAME: Cisco Spring #1

SECTION NESE 4 TOWNSHIP 20S RANGE 23E COUNTY GRAND

DRILLING CONTRACTOR Veco

RIG # 1

SPUDED: DATE 7-5-83

TIME 8:30 AM

How Rotary

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

REPORTED BY Bruce Wright

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

DATE 7-5-83 SIGNED RJF

NOTICE OF SPUD

Company: TXO Productions Corp

Caller: Bruce Wright

Phone: \_\_\_\_\_

Well Number: Cross Springs #1

Location: Sec 4 - 20d - 28E

County: Grand State: Utah

Lease Number: U-44775

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 7-5-83 8:30 AM

Dry Hole Spudder: Rotary

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_

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

Rotary Rig Name & Number: Wico #1

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: DeLors

Date: 7-5-83

**RECEIVED**  
JUL 06 1983

**DIVISION OF  
OIL, GAS & MINING**

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

July 5, 1983

**TIGHT HOLE**

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

RE: CISCO SPRINGS #1  
Section 4, T20S-R23E  
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*

R. Bruce Wright  
Petroleum Engineer

RBW/dek  
encls.

**RECEIVED**

JUL 07 1983

DIVISION OF  
OIL, GAS & MINING

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

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 Cntr. Bldg., Denver, Co. 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1820' FSL & 820' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<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) Spudding	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

5. LEASE  
U-44775

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cisco Springs

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Cisco Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 4, T20S-R23E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31061

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4917' GL

(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 8:30 AM on 7/5/83. The drilling contractor is Veco Drilling, Inc., Rig #1.

**TIGHT HOLE**

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 7/5/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

WELL NAME:	Cisco Springs #1	PTD:	2400'
AREA:	Cisco Springs	ELEVATIONS:	4926' KB, 4917' GL
LOCATION:	Section 4, T20S-R23E	CONTRACTOR:	Veco #1
COUNTY:	Grand	AFE NUMBER:	831160
STATE:	Utah	LSE NUMBER:	56055
FOOTAGE:	1820' FSL & 820' FEL	TXO WI:	100%

\*\*\*\*\*

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

\*\*\*\*\*

- 07/06/83 441' (441'), drlg. Mancos. Dust 100#. MIRURT. Spudded 11" surface hole @ 8:30 AM on 7/5/83. TD surface hole @ 3:30 PM on 7/5/83. Blew hole clean. TOOH. RU & ran 4 jts 8-5/8", 24#, K-55, ST&C csg (206'). Pumped 30 BW. RU Dowell & cmtd csg. Cmtd w/ 50 sxs of 50/50 poz w/ 2% gel, 2% CaCl<sub>2</sub>. Tail w/ 50 sxs of Cl "G" w/ 2% CaCl<sub>2</sub>. Shoe set @ 206'. PD @ 7 PM 7/5/83. BP @ 500#. Full returns. Cmt to surf. WOC. Screwed on csg head @ 11 PM 7/5/83. NU BOP, test to 800#. Held OK. TIH, drld cmt, dried hole. Resume drlg w/ dust. 1/2° @ 226'. DW: 20,542. CW: 20,542. DD 1.
- 07/07/83 1671' (1230'), drlg. Mancos. Dust 100#. 3/4° @ 442', 1° @ 747', 1° @ 1024', 1° @ 1324', 1-1/2° @ 1624'. DW: 16,278. CW: 36,820. DD 2.
- 07/08/83 2550' (879'), drlg. Morrison. Air mist 200#. Took 3' continuous flare @ 1978'. Hole became damp @ 2100'. Went to air mist. Hole does not appear to be making any water. Drld to 2277'. TFB. No fill or tight spots. Dakota @ 1904', Morrison @ 2030'. 1-3/4° @ 1949'. DW: 12,529. CW: 49,349. DD 3.
- 07/09/83 2588' (38'), RD MORT. Morrison. 8.4, 44, 10, 11. TD 7-7/8" hole @ 8 AM 7/8/83. Blew hole clean, made 8 stnd short trip. No fill or tight spots. TOOH. RU Gearhart. Ran logs. TIH w/ bit, had 30' of fill. Cleaned out fill. Blew hole clean. Made 8 stnd short trip, no fill. TOOH, LD DP & DC. RU & ran 63 jts 4-1/2", 10.5#, K-55, ST&C csg (2564'). RU Dowell & cmtd 4-1/2" csg. Pumped 200 BM & 20 BM flush. Cmtd w/ 275 sxs 50/50 poz w/ 2% gel, 5% KCL & 1/4#/sx celloflake. Shoe set @ 2564'. Float set @ 2540'. PD @ 1 AM 7/9/83. BP @ 1250#. Float held. No returns. ND BOP. Set slips & screwed on wellhead. RR @ 3 AM on 7/9/83. Drop from report until completion begins. DW: 30,890. CW: 80,239. DD 4.
- 07/14/83 2528' PBTd, MIRUCU. ND tree, NU BOP. PU & RIH w/ 3-7/8" bit, csg scraper, SSN & 2-3/8", 4.7#, J-55, EUE tbg. Tag PBTd @ 2528'. PT csg to 1000# for 15 min. RU swab. Swab FL dn to 1000'. TOOH w/ tbg. LD bit & scraper. RU Gearhart. Run CBL-VDL-GR, fair to good bond thru pay zone w/o press, TOC @ ± 1790'. RIH w/ 3-1/8" csg gun & perf from 2207-18' w/ 2 JSPF. Total of 23 holes, 0.38" dia. RD Gearhart. PU pkr & SSN & TIH w/ tbg. Set pkr @ 2172'. RU swab. IFL @ 1000'. Made 3 runs, rec 6 BW, tr of oil. FFL @ 1950. RU Smith. Brk dn perfs w/ 300 gal 3% KCL-methanol (75% KCL & 25% methanol) & 50 ball sealers. Balled off w/ 168 gal of KCL-methanol pumped. Surged balls off & finished job. AIR 5.5 BPM @ 3150#. MTP 3800#. ISIP 580#, 5 min on vacuum. BLTR 16. RD Smith. RU swab. IFL @ surf. Made 5 runs, rec 17 BF. On 3rd & 4th runs, well flowed 1/4 bbl after each run. No tr of oil, fluid highly gas-cut. LOTPON. SDFN. DW: 26,052. CW: 106,291.
- 07/15/83 2528' PBTd, RU swab. IFL @ 1000'. Made 22 swab runs. Rec 70 BW, medium gas-cut w/ very slight oil stain. FFL @ 1000'. Fluid entry rate ± 9 BPH. Well went on vacuum after each run. LOTPON. SDFN. Open perfs 2207-18' (23 holes), Jm<sub>2</sub> fm. DW: 2125. CW: 108,416.  
Water Sample (taken @ 12 noon 7/14/83):  
 Cl- 16000 mg/l  
 Fe less than 5 ppm  
 Rw=.23 @ 74°F.

WELL NAME:	Cisco Springs #1	PTD:	2400'
AREA:	Cisco Springs	ELEVATIONS:	4926' KB, 4917' GL
LOCATION:	Section 4, T20S-R23E	CONTRACTOR:	Veco #1
COUNTY:	Grand	AFE NUMBER:	831160
STATE:	Utah	LSE NUMBER:	56055
FOOTAGE:	1820' FSL & 820' FEL	TXO WI:	100%

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07/16/83 2528' PBSD, RU swab. IFL @ 600'. Made 19 runs. Rec 78 BW. No tr of oil. Very slightly gas-cut. FFL @ 800'. Fluid entry rate  $\pm$  9 BPH. LOTPON. SDFN. DW: 2000. CW: 110,416.

07/16/83 WATER SAMPLE (7/15/83)  
 Perfs: 2207-18' Jm<sub>2</sub>  
 Cl<sup>-</sup> : 17,300 mg/l  
 Fe : less than 5 ppm  
 Rw : .22 @ 72°F  
 ph : 6.1  
 No oil show.

07/17/83 2146' PBSD, RU swab. IFL @ 600'. Made 2 runs. Rec 11.2 BW, no tr oil or gas. FFL @ 1000'. Unset pkr & TOOH. RU Dyna-Jet. RIH w/ 3-1/8" csg gun & perf Jm<sub>1</sub> @ 2079', 82', 85', 88', 91', & perf Kd<sub>2</sub> @ 1988', 89', 90', 91', 2001', 03', 05', & 07'. Total 13 holes, 0.32" dia. RD Dyna-Jet. TIH w/ RBP & pkr. Set RBP @ 2146'. Set pkr & press test RBP to 2000# for 5 min, held OK. POOH & set pkr @ 1955'. RU swab. IFL @ 200', made 4 runs. Rec 8.6 BW, medium gas-cut. FFL @ 1850'. RU Nowsco. Brk dn perfs w/ 500 gal 3% KCL-methanol (75% KCL & 25% methanol) & 25 ball sealers. Fm brk @ 2600#. AIR 5.5 BPM @ 1850#. Balled off to 3850#. ISIP 600#, 5 min 200#, 10 min 0#. BLTR 22.5. RU swab. IFL @ 400'. Made 11 runs. Rec 30.8 BW, tr oil & gas after load recovered. FFL @ 900'. Unset pkr. TIH & set pkr @ 2048'. RU swab. Rec 9 BF in 5 runs. Fluid entry rate  $\pm$  3 BPH. Est 25% oil, medium gas-cut. LOTPON. SDFS. DW: 7510. CW: 117,926.

WATER SAMPLE (before breakdown)

Perfs: 1988-2091' Kd<sub>2</sub> & Jm<sub>1</sub>  
 Cl<sup>-</sup> : 16,600 mg/l  
 Fe : 4 ppm  
 Rw : .22 @ 72°F  
 ph : 6.2

07/18/83 2146' PBSD, SDFS. DW: 0. CW: 117,926.

07/19/83 2146' PBSD, RU swab. IFL @ 500'. 1st run had 400' free oil. Made 9 runs, rec 10 BF, est 10% oil, 90% wtr. FFL @ 1600'. Est fluid entry rate @ 2 BPH. All runs were medium gas-cut. Unset pkr & test RBP to 1600# for 15 min. POOH & set pkr @ 1957'. RU swab. IFL @ 900'. Made 21 runs. Rec 43 BF, slight oil stain. Est 7 BPH. FFL @ 800'. Medium to heavy gas-cut. SDFN. DW: 2350. CW: 120,276.

07/20/83 2528' PBSD, RU swab. IFL @ 300'. Made 18 runs, rec 36.9 BW, med gas-cut, est 1% oil-cut. Fluid entry rate @ 8-9 BPH. FFL @ 900'. Unset pkr, TIH, PU RBP. TIH & set RBP @ 2151'. Set pkr & press test RBP to 1500# for 15 min. OK. POOH & set pkr @ 2048'. RU swab, made 5 runs, rec 7 BF, slight to med gas-cut. Last run was 50% oil cut. Appeared to be some drlg mud in sample. FFL @ 1800'. Fluid entry rate @ .75-1 BPH. SIFN. SDFN. DW: 2275. CW: 122,551.

07/21/83 2163' PBSD, SITP 100#, CP 0#. RU swab. IFL @ 1200'. Made 10 runs, rec 8 BF. FFL @ 1800', 35% oil, light to med gas-cut. Fluid entry rate @ 1/2 BPH. Unset pkr. TIH & PU RBP, TOOH. RU Dyna-Jet. RIH, correlate, & set CIBP @ 2172'. Dumped 1 sxs cmt on top (9' fill). RIH w/ 3-1/8" csg gun & perf Jm<sub>1</sub> from 2079.5-2090.5', total of 20 holes, .32" dia. Now have a total of 25 holes (.32" dia) in Jm<sub>1</sub> from 2079-91'. RD Dyna-Jet. RIH w/ pkr & tbg. Set pkr @ 2140'. Test CIBP to 3000# for 15 min. POOH & set pkr @ 2040'. RU swab, IFL @ 200'. Made 3 runs. FFL @ 1000'. Last 2 runs had significant vacuum on backside. Unset pkr & TOOH. Rubbers on pkr looked worn. Will RIH w/ new pkr this AM & prep to frac today. DW: 5188. CW: 127,739.

WELL NAME:	Cisco Springs #1	PTD:	2400'
AREA:	Cisco Springs	ELEVATIONS:	4926' KB, 4917' GL
LOCATION:	Section 4, T20S-R23E	CONTRACTOR:	Veco #1
COUNTY:	Grand	AFE NUMBER:	831160
STATE:	Utah	LSE NUMBER:	56055
FOOTAGE:	1820' FSL & 820' FEL	TXO WI:	100%

\*\*\*\*\*

- 07/22/83 2163' PBTB, PU & TIH w/ new pkr. Set pkr @ 2140'. Test CIBP to 3000# for 10 min. Reset pkr @ 2040'. Load annulus w/ 10 BW. RU swab, made 4 runs, annulus of vacuum after runs. FFL @ 1000'. Attempt to fill annulus w/ wtr, pumped 8 bbls, caught press, pumped 8 more bbls, broke circ @ surf thru tbg. Circ dn annulus & up tbg for 10 min. POOH to 1955'. Set pkr & test to 2000# for 5 min, OK. RIH & reset pkr @ 2040'. Pumped dn tbg & up annulus, broke circ @ surf w/ 2-3 BPM @ 1000#. Unset pkr, TOOH. WO Dowell to squeeze to isolate Jm<sub>1</sub> from Kd<sub>2</sub>. PU & TIH w/ cmt retainer. Set retainer @ 2060'. Pump dn tbg & establish circ @ surf. Circ for 20 min. Pumped 70 sxs Cl "G" through retainer. Stung out of retainer. Equalized remaining 30 sxs Cl "G" in tbg, in the tbg & annulus. Well on slight vacuum. TOOH to 1915'. Reverse out cmt, circ 7 bbls cmt to surf. TOOH to 1800'. Press up to 50#, wouldn't hold press. TOOH. SIFN. SDFN. DW: 13,661. CW: 141,400.
- 07/23/83 2163' PBTB, 0# SICP. PU & RIH w/ 3-7/8" bit, four 3-1/8" DC's & tbg. Tag cmt @ 2008'. Brk circ after 15 bbls pumped. Attempt to press csg & upper perms to 100#, wouldn't hold press. TOOH. LD bit & DC's. PU & TIH w/ pkr & tbg. RU Bt. Set pkr @ 1955'. Established pumping rate into fm @ 1.5 BPM @ 1200#, & 2 BPM @ 1500#. Pumped 50 sxs Cl "G" w/ 2% CaCl<sub>2</sub> through perms @ 1.5 BPM w/ 2000#. Staged 25 sxs neat Cl "G" to obtain squeeze to 600#. POOH to 1891'. Reversed out clean w/ 25 BW. Set pkr @ 1891'. Press up to 600#. Set @ 3:15 PM. At 6 PM, had 250# SITP. SDFN. DW: 6309. CW: 147,709.
- 07/24/83 2163' PBTB, 0# SITP. Rel pkr & TOOH. PU & RIH w/ 3-7/8" bit, four 3-1/8" DC's & tbg. Tag cmt @ 1897'. RU & drld out hard cmt to 2036'. Test csg & upper perms to 200# for 10 min, OK. Drld out cmt & cmt retainer to 2163' PBTB. Circ hole clean. POOH to 1850'. SDFN. DW: 2800. CW: 150,509.
- 07/25/83 2163' PBTB, TOOH w/ tbg. LD bit & DC's. RU Dyna-Jet. RIH w/ 3-1/8" csg gun correlate & perf 2079-91' w/ 2 JSPF. Total of 25 holes, .32" dia. RD Dyna-Jet. TIH w/ 3-7/8" bit, csg scraper & tbg to PBTB. TOOH, LD bit & scraper. RIH w/ pkr & tbg. Set pkr @ 2140'. Test CIBP & pkr to 3000# for 10 min, OK. POOH & set pkr @ 2016'. Press annulus to 200#. RU swab. IFL @ surf. Made 3 runs. Rec 8 BF, no oil or gas. FFL @ 1900'. RU Nowasco. Brk dn perms w/ 500 gals 3% KCL-methanol mixture (75% KCL & 25% methanol) & 50 ball sealers. Good ball action, did not ball off. ISIP 800#, 5 min 30#, 10 min 0#. AIR 5 BPM @ 1700#, MTP 3000#. During brk dn, saw no fluctuation in annulus press. BLTR 18. RU swab. IFL @ surf. Made 8 runs. Rec 13 BF. FFL @ 1800'. Fluid entry rate 1 BPH. Last 2 runs were 10% oil. No gas. LOTPON. SDFN. DW: 6560. CW: 157,069.
- 07/26/83 2163' PBTB, RU swab. IFL @ 900'. Made 20 runs. Rec 18.5 BF, med gas-cut, 20% oil. Fluid entry rate @ 1 BPH. FFL @ 1800'. LOTPON. SDFN. DW: 2150. CW: 159,219.
- 07/27/83 2163' PBTB, well dead. RU swab. IFL @ 1200'. Made 6 runs, rec 5 BF, lightly gas-cut, 20% oil-cut. FFL @ 1800'. Fluid entry rate @ + 1 BPH. LOTPON. SDFN. Prep to frac this AM. DW: 1350. CW: 160,569.
- 07/28/83 2163' PBTB, well dead. RU swab. IFL @ 1200'. Made 3 runs, rec 2.5 BF, 20% oil cut, slight gas cut. RU Dowell & attempted to frac as follows: pumped 4000 gal pad @ 20 BPM & 4000#, started 1/2 ppg sdd, pumped 19 bbls, press rose to 6800#, SD. ISIP 1900#, 5 min 1500#, 10 min 1400#. Bled well back & attempted to pump into perms several times w/ no success. RD Dowell. Unset pkr & TIH, tag sd @ 2079'. TOOH w/ pkr. TIH w/ bit & csg scraper. Tag sd @ 2120'. Circ out sd to 2163' PBTB. TOOH w/ bit & scraper. TIH w/ pkr & set @ 2016'. RU Dowell. Began pumping @ 13 BPM & 3400#. Pumped 6 more bbls & press

WELL NAME:	Cisco Springs #1	PTD:	2400'
AREA:	Cisco Springs	ELEVATIONS:	4926' KB, 4917' GL
LOCATION:	Section 4, T20S-R23E	CONTRACTOR:	Veco #1
COUNTY:	Grand	AFE NUMBER:	831160
STATE:	Utah	LSE NUMBER:	56055
FOOTAGE:	1820' FSL & 820' FEL	TXO WI:	100%

\*\*\*\*\*

07/28/83 rose to 5000# @ 2 BPM. SD. ISIP 900#. Bled well dn. LOTTON. SDFN. cont. DW: 3750. CW: 164,319.

07/29/83 2163' PBTD, well dead. RU swab. IFL @ surf. Made 4 runs. Rec 8 BLW. Fluid entry rate 1 BPH. FFL @ 1800'. RU Dyna-Jet to run tracer survey. Equipment malfunctioned, spooled line off of drum into a ball, unable to use. RD Dyna-Jet. Made 1 swab run. Rec 1/2 BLW. LOTTON. SDFN. Prep to RU Gearhart this AM to run tracer survey. DW: 17,650. CW: 181,969.

07/30/83 2163' PBTD, well dead. RU Gearhart. Ran tracer survey & differential temperature survey. Logs showed fluid going into perfs @ 2079-91' & staying in zone. RD Gearhart. RU swab. IFL @ surf. Made 7 runs. Rec 9 BLW. FFL @ 1900'. SDFN. Prep to P & A this AM. DW: 1700. CW: 183,669.

07/31/83 2163' PBTD, unset pkr. Loaded hole w/ wtr. RU Gearhart. RIH w/ CIBP, set CIBP @ 2040' KB. POOH. RIH w/ dump bailer. Dumped 3 sxs cmt on top (35' fill). POOH. RIH w/ free-point tool, pipe free @ 1318' KB. POOH. RIH w/ jet cutter, cut pipe @ 1318' KB. POOH. RD Gearhart. RU & POOH w/ 4-1/2" csg. Recovered 1309', 4-1/2", 10.5#, K-55, ST&C. TIH w/ 2-3/8" tbg & set plugs as follows: 1400-1200' (66 sxs), 326-126' (66 sxs), & 10 sxs @ surf. ND wellhead. RR @ 7:00 PM 7/30/83. Will install dry hole marker this AM. Well P & A'd on 7/30/83. FINAL REPORT!!! DW: 13,900. CW: 197,569.

GRAND JUNCTION

245-2906

HUGHES TOOL COMPANY

Date 7-30-83  
 Company TXO  
 Well No. Cisco Springs 1  
 Service Ticket No. 5-27414  
 Formation Morrison  
 County Grand  
 State Ut  
 BJ Service Foreman Wayne Glass  
 Company Representative Wes Sutton  
 REMARKS: \_\_\_\_\_

**WELL DATA**  
 Hole Size: 8 Depth: 1300  
 Casing Size: 4 1/2 Wt. 10.5 Depth 1300  
 Dlg. Fluid Type H<sub>2</sub>O Wt. \_\_\_\_\_  
 Stage Collars: \_\_\_\_\_  
 Contractor: Carmack

**CEMENT DATA**

NO. SACKS	YIELD Cu. Ft./Sx.	CEMENT MIX	CUFF	VOLUME BBLs.	WT.
135	1.141	G Neat	164	27 1/2	15.8

Volume of Displacement 4 1/2 Bbl.  
 Cement Circulated 10 Bbls.  
 Circulation During Job? ~~NO~~ NO

Trucks Used 1426 - 5363 - 6495

TIME	RATE BPM	VOLUME BBL	PRESSURE		Job Detail
			TUBING	CASING	
12:00A					Arrived Loc. Rigged up Safety Meeting
					1 <sup>st</sup> Plug 1400 to 1200'
2:19	6	86	250		H <sub>2</sub> O Ahead to fill hole
2:34	5	8	300		Slurry @ 15.8 PPG
	5	4 1/2	300		H <sub>2</sub> O Displacement
2:37					Shut Down Bll pipe
					2 <sup>nd</sup> Plug 280 to Surface
3:29	6 1/2	80	250		H <sub>2</sub> O Ahead
3:42	5	21	150		Slurry @ 15.8 PPG
	5	1	150		H <sub>2</sub> O Displacement
3:47					Shut Down Rig Down
					Left 8 sk For top job
					Thank you

**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: 1820' FSL & 820' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: same as above

5. LEASE  
U-44775

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cisco Springs

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Cisco Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 4, T20S-R23E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31061

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4917' 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 checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

**TIGHT HOLE**  
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 plugged and abandoned after a completion was attempted in both the Morrison & Dakota formations. The plugs (as per Mr. R. A. Herricks @ 4:30 PM on 7/29/83) were as follows: CIBP set @ 2040' KB w/ 3 sxs of cmt (35' of fill), 1400-1200' (66 sxs), 326-126' (66 sxs) & 10 sxs @ surf. Recovered 1309', 4-1/2", 10.5#, K-55, ST&C csg. Dry hole marker was installed. Location was cleaned up. Location will be rehabilitated as per the APD as soon as practical.

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 August 1, 1983

(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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

9

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with all State requirements)\*  
At surface 1820' FSL & 820' FEL

At top prod. interval reported below  
At total depth Same as above

14. PERMIT NO. 43-019-31061  
DATE ISSUED 6/13/83

5. LEASE DESIGNATION AND SERIAL NO.  
U-44775

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cisco Springs

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Cisco Springs

11. SEC., T., R., M., DR BLOCK AND SURVEY OR AREA  
Section 4, T20S-R23E

12. COUNTY OR PARISH Grand  
13. STATE Utah

15. DATE SPUNDED 7/5/83  
16. DATE T.D. REACHED 7/8/83  
17. DATE COMPL. (Ready to prod.) N/A  
18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4926' KB  
19. ELEV. CASINGHEAD 4917'

20. TOTAL DEPTH, MD & TVD 2588'  
21. PLUG, BACK T.D., MD & TVD Surface  
22. IF MULTIPLE COMPLETIONS HOW MANY\* 1

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  
DIL-GR, FDC-SNP-CAL, CBL, Tracer Survey  
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#	206'	11"	100 sxs	none
4-1/2"	10.5#	2564'	7-7/8"	275 sxs	1309'

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

2207-18'	.38"	23 holes
2079-91'	.32"	50 holes
1988-91'	.32"	4 holes
2001-07'	.32"	4 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2207-18' - 300	gal 3% KCL - methanol
1988-2091' - 500	gal 3% KCL - methanol
1988-2007' - 145	sxs Cl "G"
2079-91' - 500	gal 3% KCL-methanol, 5500 gal YF4G gel.

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.	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, plugging record.

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 8/1/83

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

# INSTRUCTIONS

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

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

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

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

**Item 29: "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.)

HONOLULU

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.

38. GEOLOGICAL MARKERS

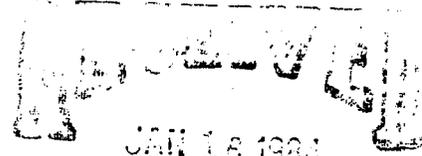
NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Mancos Dakota Morrison	Surface 1907' 2077'		

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246



JAN 16 1984

DIVISION OF  
OIL, GAS & MINING

January 12, 1984

~~State 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  
District Exploration Manager

WAS/cjd

xc: Ron Dashner  
Bruce Wright

*EMC*

