

needs designation of agent  
from Coseba as per  
Paul 11-9-83

*[Signature]*

Rec. 5/23/84  
ad.

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

RECEIVED  
NOV 1 1983

DIVISION OF  
OIL, GAS & MINING

November 1, 1983

Mr. Norm Stout  
State of Utah  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Application for Permit to Drill  
Middle Canyon Unit #13-3  
Grand County, Utah

Dear Norm:

Enclosed please find three copies of the "Application for Permit to Drill" the above referenced well. Also enclosed is a copy of the APD/MSUOP that was submitted to the Bureau of Land Management.

The water source to be used for the drilling of this well is a pond in Section 31-T15S-R23E which is approved for use under permit number 49-125.

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

Very truly yours,

TXO PRODUCTION CORP.



Paul Urban  
Environmental Scientist

Enclosures/as stated

PU/gm

spot valid  
for drilling  
as per foul  
in water right  
(1-789-3714)

*[Signature]*  
11-9-83

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Nationwide Bond No.  
679 F 434A

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: Paul Urban (303) 861-4246

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 AT SURFACE  
 900' FNL, 510' FWL Section 13-T16S-R23E  
 1025' 660'  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 15 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 510'

16. NO. OF ACRES IN LEASE  
 600

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  
 8050'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 8172' GR

22. APPROX. DATE WORK WILL START\*  
 December 30, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	160 sacks
8 3/4"	7"	20#, 23#	4000'/4300'	150 sacks
6 1/4"	4 1/2"	11.6#	8050'	125 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. Dasher TITLE District Drilling Manager DATE November 1, 1983  
R.E. Dasher

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 6/17/84  
 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

File State Oil, Gas & Mining  
 NTL 081 3-N-051

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Nationwide Bond No.  
679 F 434A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
U-19295

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

7. UNIT AGREEMENT NAME  
Middle Canyon Unit

8. FARM OR LEASE NAME  
Middle Canyon Unit

9. WELL NO.  
#13-3

10. FIELD AND POOL, OR WILDCAT  
~~Horst~~ Point

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 13-T16S-R23E

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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 15 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)  
510'

16. NO. OF ACRES IN LEASE  
600

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  
8050'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
8172' GR

22. APPROX. DATE WORK WILL START\*  
December 30, 1983

NW NW

MAR 1984

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	160 sacks
8 3/4"	7"	20#, 23#	4000'/4300'	150 sacks
6 1/4"	4 1/2"	11.6#	8050'	125 sacks

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 5/23/84  
BY: John R. Berger

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.

SIGNED R. Bruce Wright for R.E. Dashner TITLE District Drilling Manager DATE November 1, 1983  
R.E. Dashner

(This space for Federal or State office use)

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

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

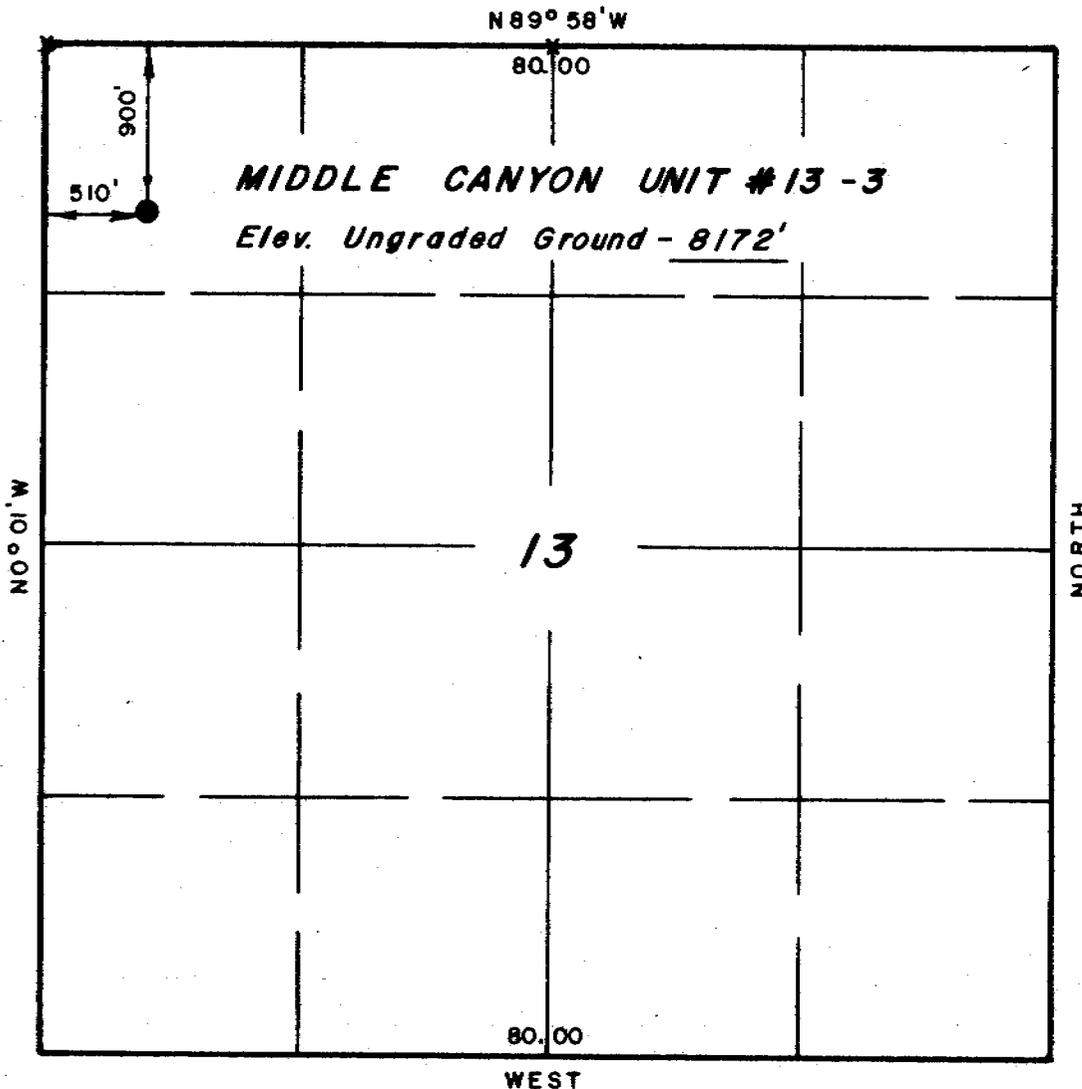
CONDITIONS OF APPROVAL, IF ANY:

~~T 16 S~~  
**T 16 S, R 23 E, S.L.B.&M.**

PROJECT

**TXO PRODUCTION CORP.**

Well location, *MIDDLE CANYON UNIT #13-3*, located as shown in the NW1/4 NW1/4 Section 13, T 16 S, R 23 E, S.L.B.&M. Grand County, Utah.



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.

*[Signature]*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO 2454  
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE	8 / 16 / 83
PARTY	D.A. B.K. K.R. S.B.	REFERENCES	GLO Plat
WEATHER	Warm	FILE	T X O

X = Section Corners Located

Exhibit 2  
 Survey Plat

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company TXO Production Corporation Well No. 13-3

Location Sec. 13 T 16S R 23E Lease No. U-19295

Onsite Inspection Date 5-23-84

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

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

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

2. Pressure Control Equipment

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

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

In accordance with API RP 53, a 3,000 psi BOP with double ram-type preventers and an annular-type preventer shall be installed after surface casing is set. The ram-type preventers shall be tested to 2,200 psi and the annular-type preventer shall be tested to 1,500 psi.

3. Casing Program and Auxiliary Equipment

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office

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

4. Mud Program and Circulating Medium

No chromate additives will be used in the drilling fluid without prior approval from the Branch of Fluids, Vernal District BLM Office.

5. Coring, Logging and Testing Program

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

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

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

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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

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

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

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

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

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

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

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

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

B. (The following stipulations apply to the Surface Use Plan)

7. Planned Access Roads

See the APD for a description of the planned access roads.

All travel will be confined to existing access road rights-of-way.

8. Location of Tank Batteries and Production Facilities

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

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

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

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

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

9. Source of Construction Material

Road surfacing and pad construction materials will be obtained from materials located in the local area.

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

Construction material will be located on lease.

10. Methods of Handling Waste Disposal

The reserve pit will not be lined unless unstable soils are encountered when the pit is dug. The location, as amended at the onsite, would have the reserve pits quite favorably located with respect to avoiding seepage problems.

Burning will not be allowed. All trash must be contained and disposed of by use of a trash cage.

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

11. Well Site Layout

The location would be moved 150 feet east and 125 feet south then rotated 180° from that described in the original APD.

The reserve pit will be located on the east side of the pad.

The stockpiled topsoil will be stored on the north or south sides of the location. About 4" of topsoil will be stockpiled.

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

12. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

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

If the well site is to be abandoned, then all disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

The BLM will be consulted for a suitable seed mixture for the re-seeding of the location.

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

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

13. Other Information

In order to minimize watershed damage, exploration, drilling, and other development activity will be allowed only during the period from May 1 to November 1. This limitation does not apply to maintenance and operation of producing wells. Exceptions must be specifically authorized in writing by the Resource Area Manager, Bookcliffs Resource Area.

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

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

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

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

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

9331 C ADDENDUM  
Middle Canyon Unit #13-3  
Section 13-T16S-R26E  
Grand County, Utah

1. SURFACE FORMATION: Green River

2. ESTIMATED FORMATION TOPS:

Castlegate	4042'
Mancos	4232'
Dakota	7732'
Morrison	7960'
Total Depth	8050'

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

Expected Gas Zones:

Dakota	7732'
--------	-------

Water may be encountered in the Castlegate Formation.

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 will use spud mud at 8.8-9.2#/gal. vis. 35-45 sec. API.

300'-TD Air or air mist. If necessary, will use 3% KCI mud at 8.6-8.8 wt., vis. 28-32 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 program will consist of: DIL from TD to intermediate pipe, GR from TD to surface pipe and FDC-SNP-GR-CAL from TD to 2000' above TD; if logged wet, CNL-FDC-GR-CAL from TD to 2000' above TD.
- C. No testing is anticipated.

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	December 30, 1983
Spud date	January 5, 1984
Complete drilling	January 25, 1984
Completed, ready for pipeline	January 31, 1984

- 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: November 1, 1983

WELL NAME: Middle Canyon Unit #13-3

LOCATION: 900' FNL, 510' FWL, Section 13-T16S-R23E, Grand County, Utah.

LEASE NO.: U-19295

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 900' FNL and 510' FWL in Section 13-T16S-R23E.
- B. Route and distance from nearest town of locatable reference point to where proposed access route leaves existing road: From Mack, Colorado proceed west on State Highway 6 & 50 for 15.5 miles to the Harley Dome Road. Turn right and proceed on the Harley Dome Road for 5.6 miles to a fork. Take the left fork (right fork goes up Bryson Ridge) and proceed for 7 miles to a fork. Take the left fork (right fork goes up East Canyon) and proceed up Hay Canyon for 15.5 miles to an intersection. Turn right and proceed on an improved gravel road for 2.2 miles to the beginning of the proposed access road.
- 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 existing roads should not require any upgrading. During wet periods some maintenance may be necessary to allow passage by drilling rigs and well servicing vehicles. Dry periods necessitate watering the road to control dust.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road, approximately 1000 feet long, will be constructed between the existing road and the south side of the pad. The proposed road will be 18-20 feet wide with a grade of 5% or less. There will be no cattleguards, gates or cutting of fences. Refer to Exhibit 4.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Abandoned Wells-Tidewater 1 Unit, Sec. 14-T16S-R23E
- C. Temporarily Abandoned Wells-None
- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells-Shenandoah 1-X Unit, Sec. 14-T16S-R26E
- 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-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 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 production unit, and, if necessary, a dehydrator. The facilities will be located as shown on Exhibit 6. 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 pit will be fenced with barbed wire to protect livestock and wildlife.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water will be obtained from a pond in Section 31-T15S-R23E.
- 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 cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled on the southwest corner 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: All 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 in location should not be required to construct the pad and road. Approximately 22,663 cubic yards of material will be derived from cuts on location and approximately 18,983 cubic yards of fill is needed. Refer to Exhibit 7.
- D. Show any needed access roads crossing Federal or Indian Lands: The new access road will cross BLM administered lands in Section 13-T16S-R23E. 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 flare pit (if necessary) will be fenced with barbed wire and flagged to protect animals. The drilling reserve pit will be fenced on three sides during drilling, and on the fourth side prior to the rig moving off location.
- G. Statement regarding proper cleanup when rig moves out. When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 7.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities. Refer to Exhibit 7.
- D. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 1 to 2 inch layer of bentonite will be used as a lining for the pit.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, leveling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes filled. The reserve pit will be dried and 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 January 31, 1984, and will be completed within approximately one year.

11. OTHER INFORMATION

General Description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The drillsite is located on a steep north facing slope. The soil in the area consists of a silty loam. Vegetation accounts for approximately 60 percent of the ground cover and is comprised of pinion pine, big sagebrush, juniper, oak brush, Douglas fir, herbs and native grasses. Animals inhabiting the area include deer, small mammals, and birds.

- B. Other surface-use activities and surface ownership of all involved lands: The affected land is federally owned. The primary surface uses are for oil and gas production and livestock grazing.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: There are no live streams in the immediate area. An Ephemeral stream flows through Middle Canyon. An archeological survey has been performed and results forwarded to the Bookcliff Resource Area Office of the BLM.

12. LESSEE'S OR OPERATORS REPRESENTATIVE

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  
1600 Lincoln Street  
Denver, Colorado 80264  
(303) 861-4246 - Business  
(303) 690-5650 - Residence

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

Paul Urban  
Environmental Scientist  
TXO Production Corp.  
1800 Lincoln Center Building  
1660 Lincoln Street  
Denver, Colorado 80264  
(303) 861-4246  
(303) 429-2908

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: November 1, 1983

*R. Bruce Wright for R.E. Dashner*  
\_\_\_\_\_  
Ronald E. Dashner  
District Drilling Manager

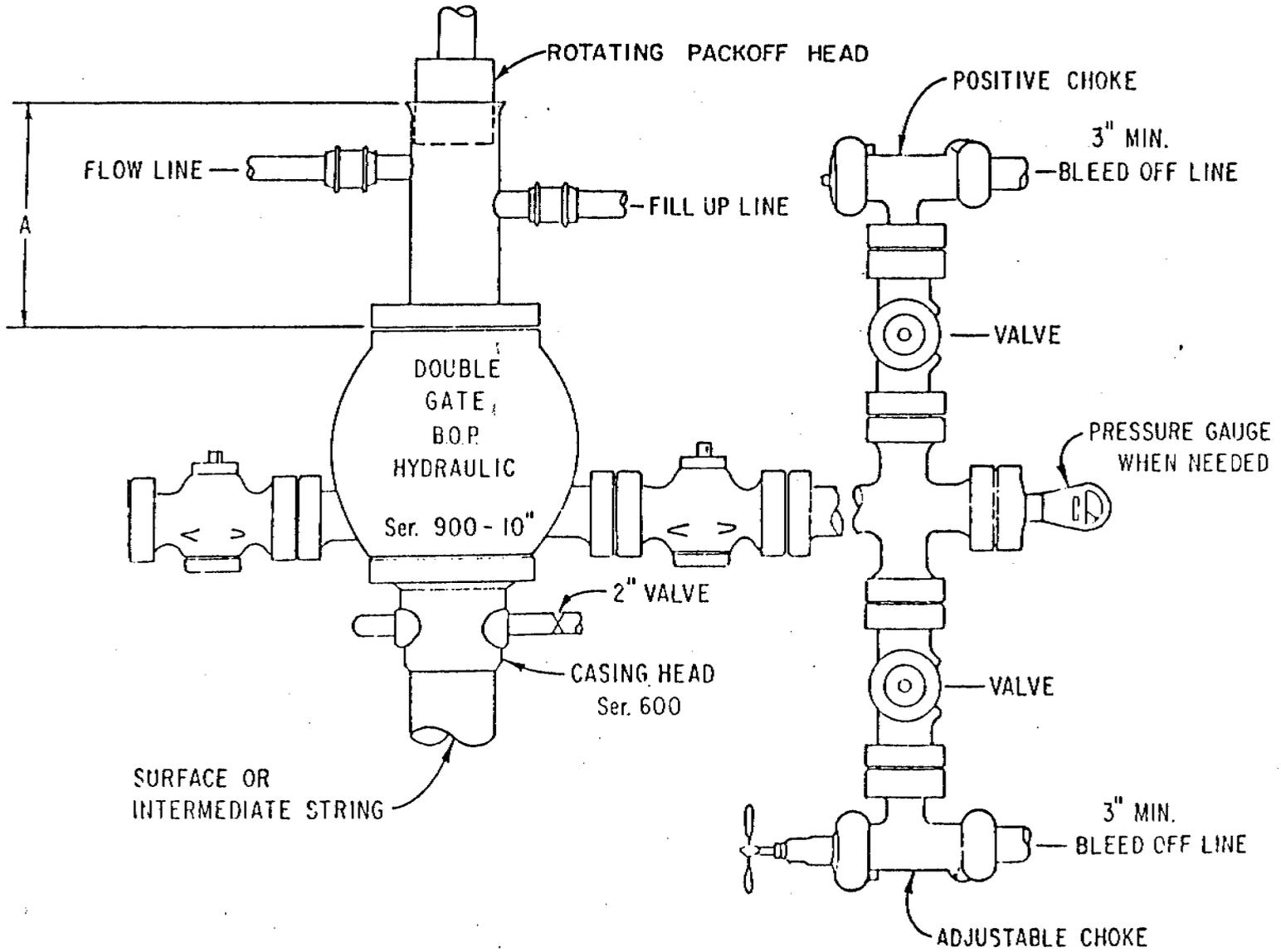


EXHIBIT I  
 BLOWOUT PREVENTER DIAGRAM

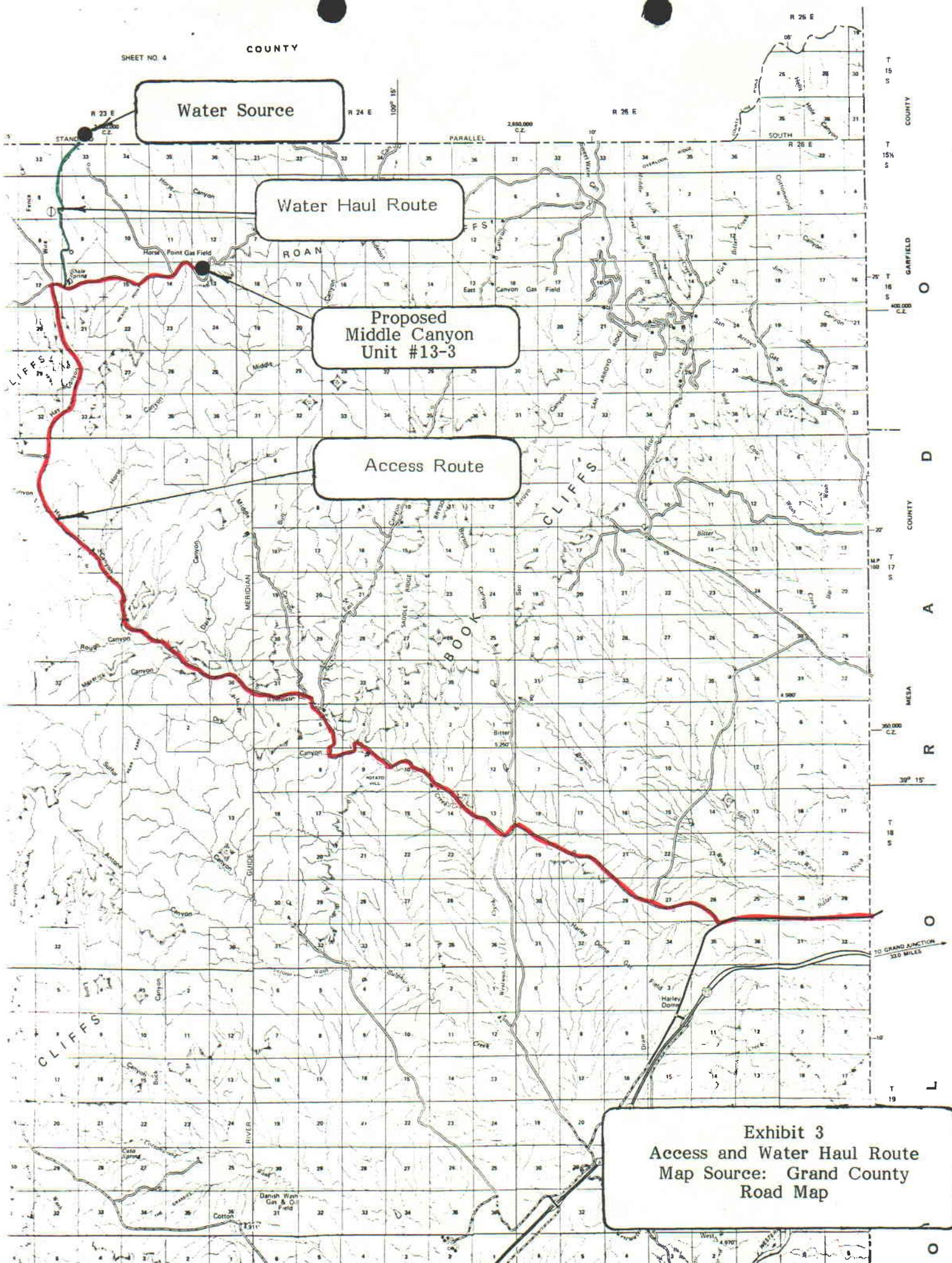
Water Source

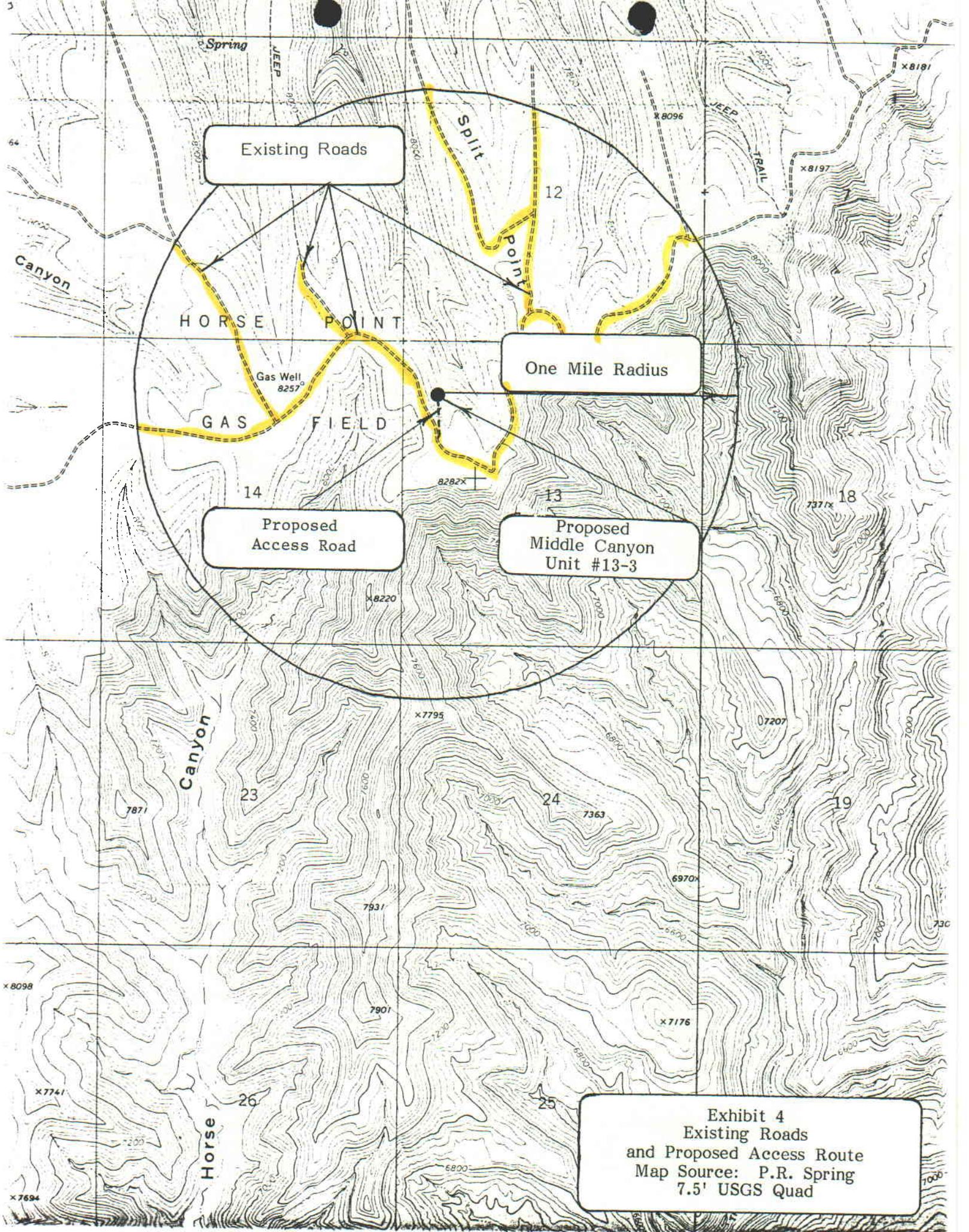
Water Haul Route

Proposed Middle Canyon Unit #13-3

Access Route

Exhibit 3  
Access and Water Haul Route  
Map Source: Grand County  
Road Map





Existing Roads

One Mile Radius

Proposed Access Road

Proposed Middle Canyon Unit #13-3

Exhibit 4  
Existing Roads  
and Proposed Access Route  
Map Source: P.R. Spring  
7.5' USGS Quad

Spring

Canyon

HORSE POINT

GAS FIELD

Split Point

Canyon

Horse

12

14

23

26

13

24

25

18

19

25

Gas Well 8257

8282X

8220

7795

7363

6970

7207

7931

7901

7176

7871

8098

7741

7694

8096

8197

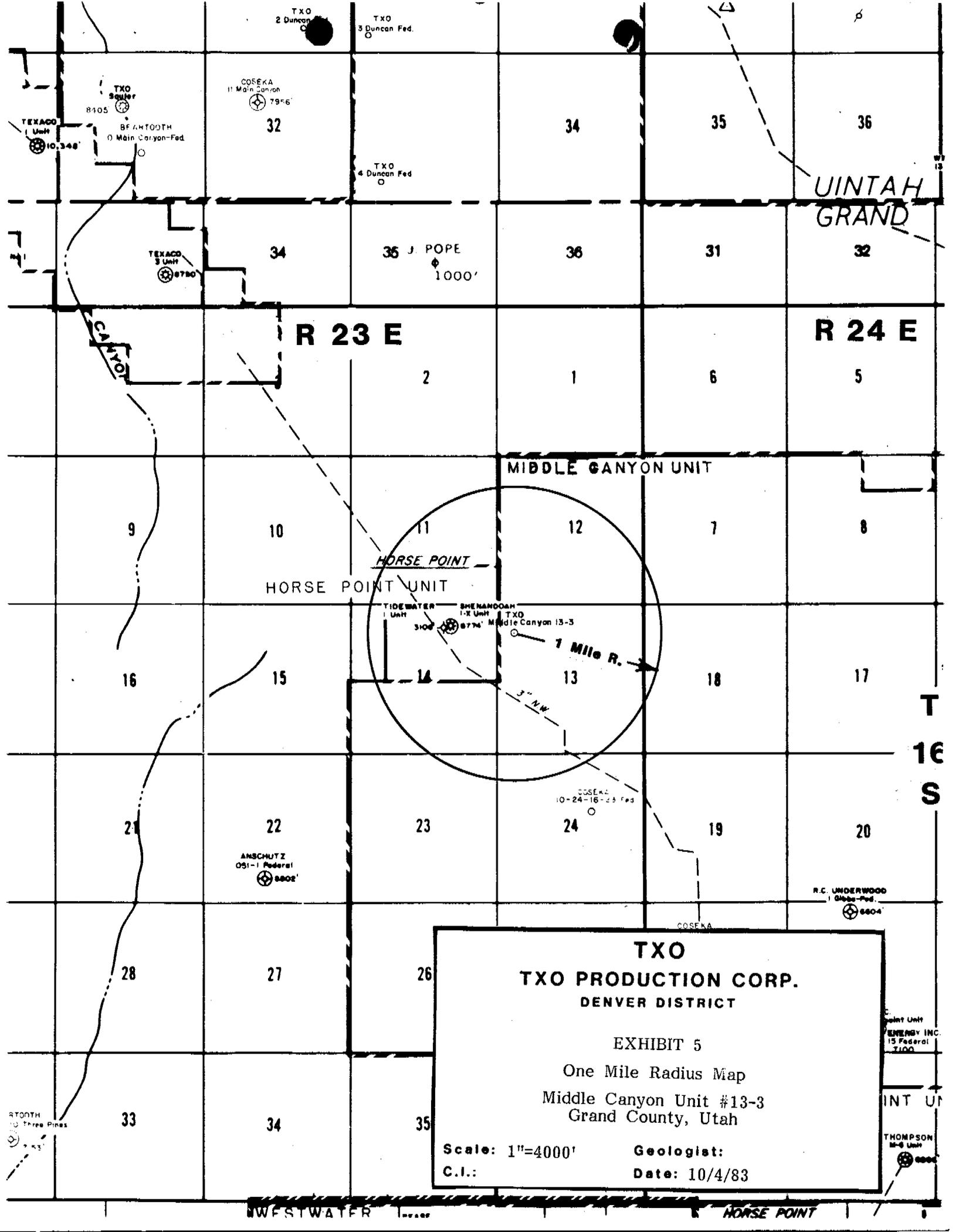
8191

730

7000

64

3



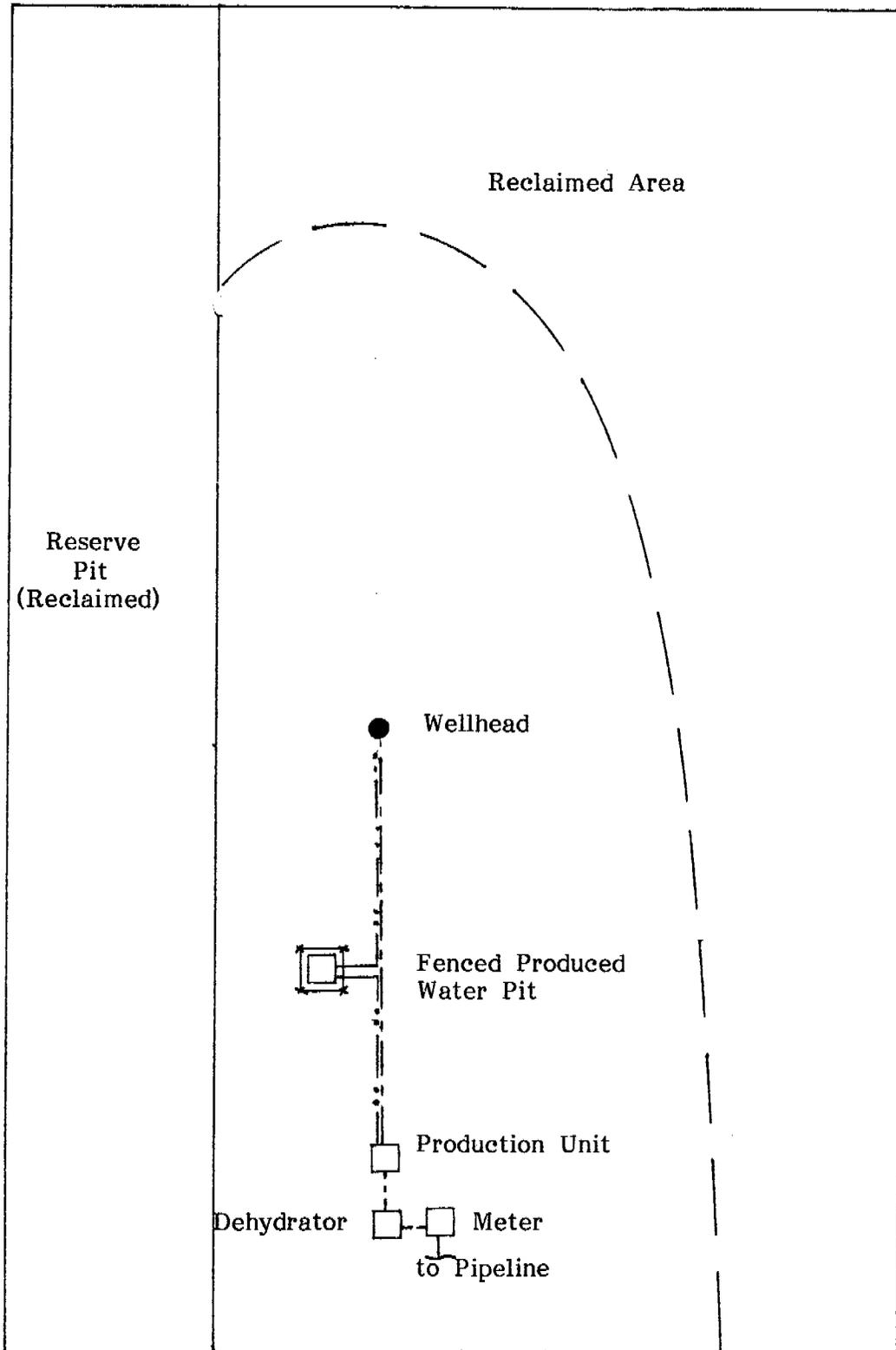
**TXO**  
**TXO PRODUCTION CORP.**  
 DENVER DISTRICT

EXHIBIT 5  
 One Mile Radius Map  
 Middle Canyon Unit #13-3  
 Grand County, Utah

Scale: 1"=4000'      Geologist:  
 C.I.:                      Date: 10/4/83

WESTWATER

HORSE POINT



Reclaimed Area

Reserve  
Pit  
(Reclaimed)

Wellhead

Fenced Produced  
Water Pit

Production Unit

Dehydrator

Meter  
to Pipeline

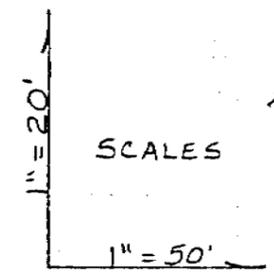
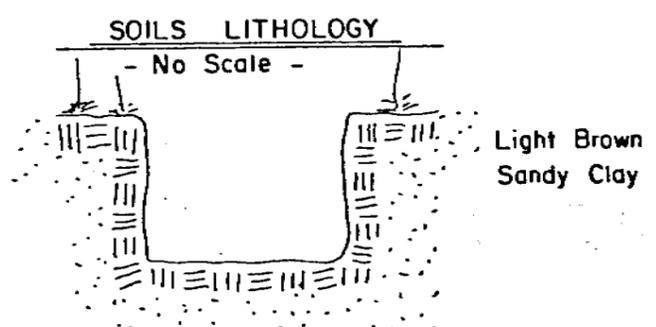
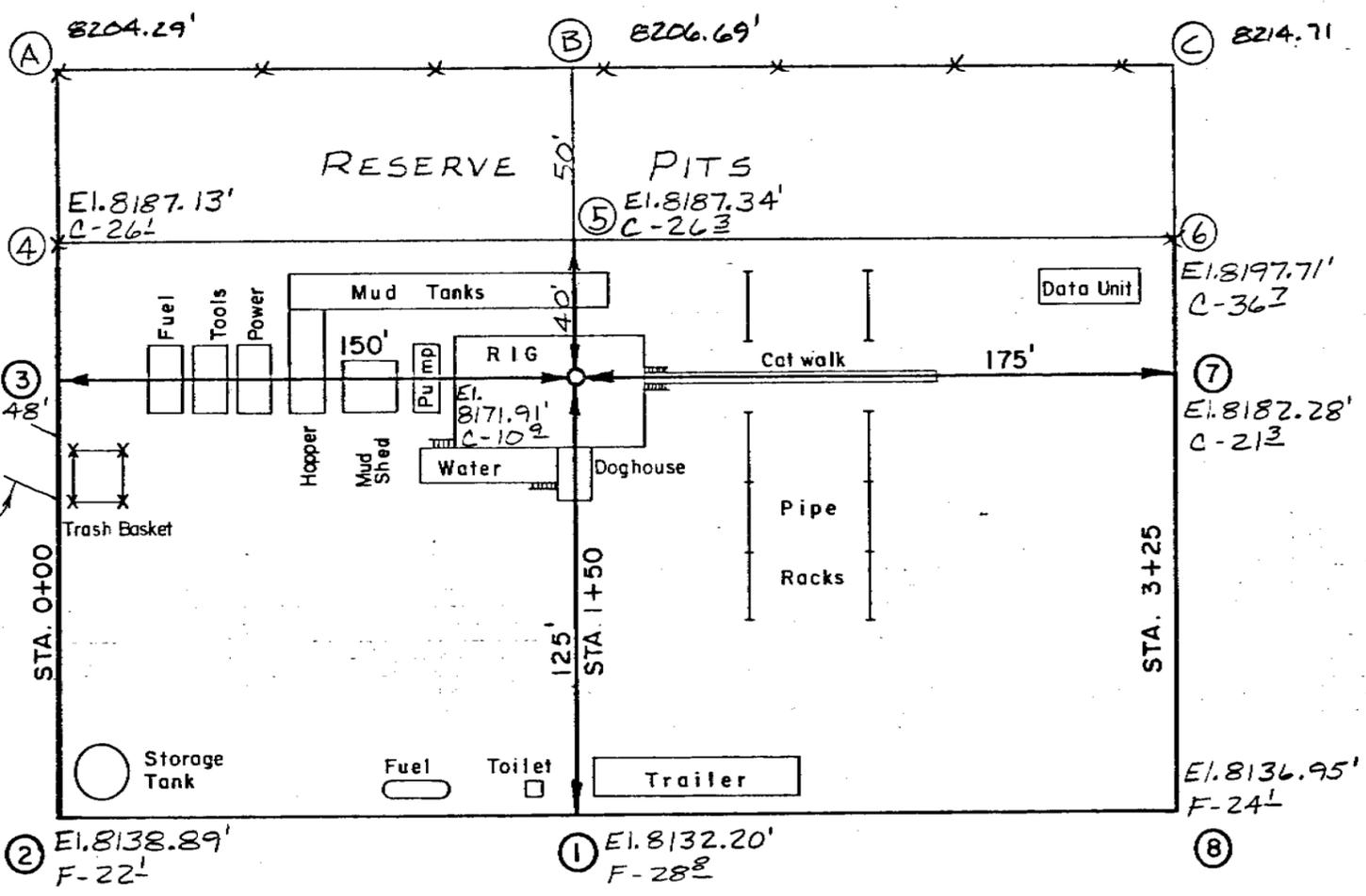
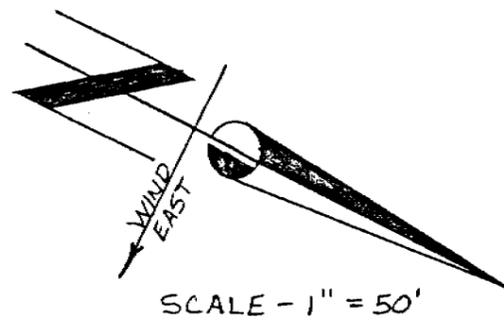
Access Road

EXHIBIT 6

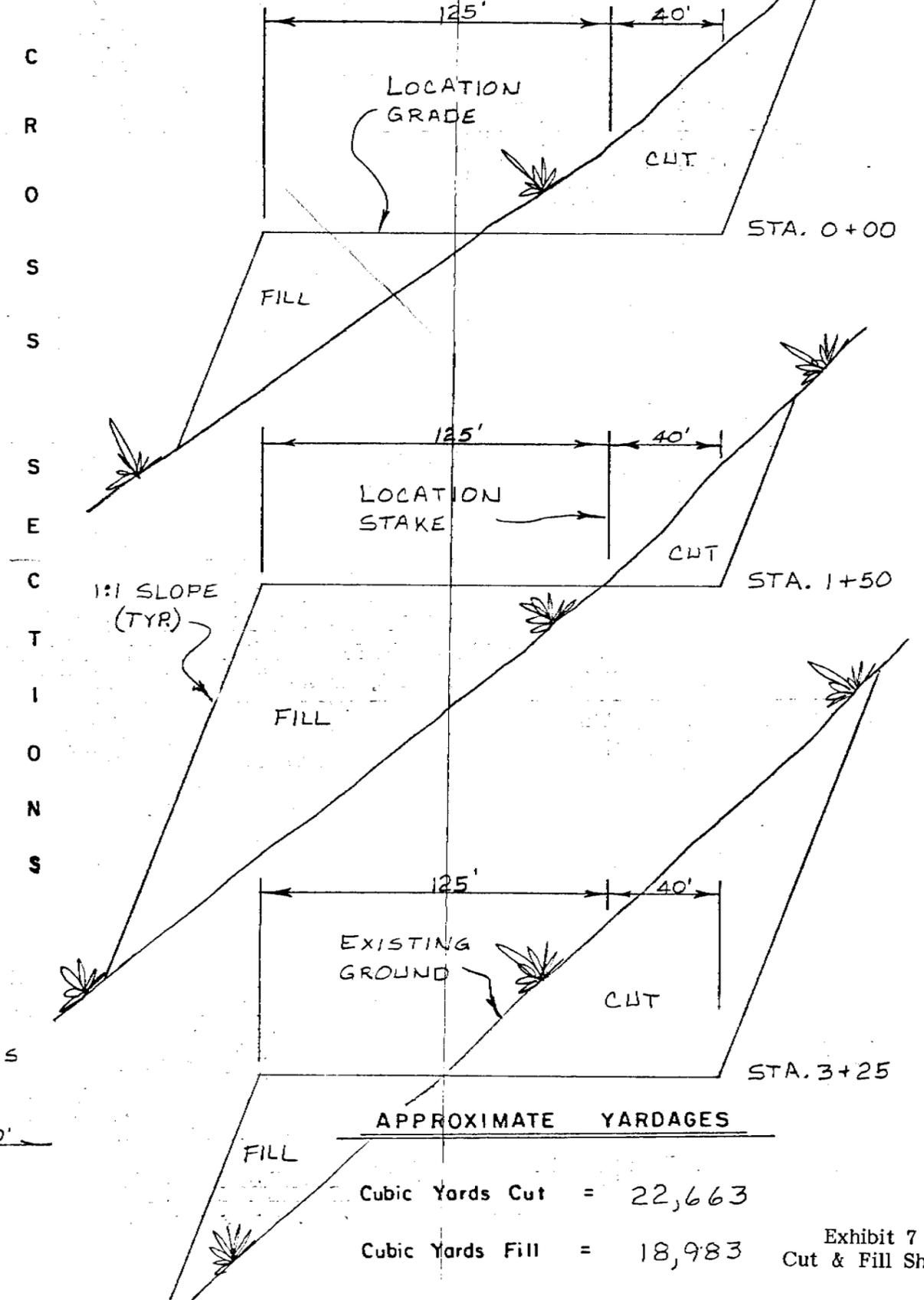
Production Facilities

Middle Canyon Unit #13-3  
Sec. 13-T16S-R23E  
Grand County, Utah

Scale: 1" = 50'



TXO PRODUCTION CORP.  
MIDDLE CANYON UNIT #13-3  
LOCATION LAYOUT & CROSS SECTIONS



OPERATOR TXO PRODUCTION CORP

DATE 11-9-22

WELL NAME MIDDLE CANYON UNIT #13-3

SEC N44NW13 T 16S R 23E COUNTY GRAND

43-019-3153  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

Unit well  
Rec'd Resignation of Agent 5/23/24  
Need water permit

CHIEF PETROLEUM ENGINEER REVIEW:

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

APPROVAL LETTER:

SPACING:

A-3 MIDDLE CANYON  
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

1- WATER  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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. *THE HORSE POINT FIELD INCLUDES THIS SURFACE LOCATION, BUT DOES NOT INCLUDE THE MORRISON.*

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT MIDDLE CANYON - COSEKA

c-3-b

c-3-c

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

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.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

May 23, 1984

TXO Production Corporation  
Attn: Paul Urban  
1800 Lincoln Center Bldg.  
Denver, Colorado 80264

RE: Well No. Middle Canyon Unit 13-3  
M&W Sec. 13, T. 16S, R. 23E  
900' FNL, 510' FWL  
Grand County, Utah

Gentlemen:

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

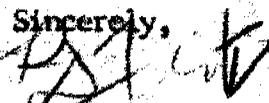
1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OCC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31153.

Sincerely,

  
R. J. Firth  
Associate Director, Oil & Gas

JF/as

cc: Branch of Fluid Minerals  
enclosures

# TXO

**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

RECEIVED

MAY 23 1984

DIVISION OF OIL  
GAS & MINING

May 21, 1984

Ms. Arlene Sollis  
State of Utah  
Division of Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Middle Canyon Unit <sup>13-3</sup>~~3-13~~  
NW/4, NW/4 Sec. 13-T16S-R23E  
Grand County, Utah

Dear Ms. Sollis:

Please find enclosed a copy of the Designation of Agent document authorizing TXO Production Corp. to operate the well referenced above. I will forward the water use materials to you under separate cover in the near future.

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

Very truly yours,

TXO PRODUCTION CORP.

*R. K. Urnovitz*

R.K. (Ivan) Urnovitz  
Environmental Scientist

Enclosure



DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Geological Survey, Unit Operator under the Middle Canyon unit agreement, Grand County, Utah (state), No. 14-08-0001-18145 approved April 25, 1980 and hereby designated:

NAME: TXO Production Corp.

ADDRESS: 1800 Lincoln Center Building  
Denver, Colorado 80264

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. \_\_\_\_\_, in the NW 1/4 NW 1/4 Sec. 13, T. 16S, R. 23E, S.L.M., Grand County, Utah.

It is understood that this designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement and the Oil and Gas Operating Regulations. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the oil and gas supervisor of any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above-specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the U. S. Geological Survey a completed file of all required Federal reports pertaining to subject well. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

COSEKA RESOURCES (U.S.A.) LIMITED  
Unit Operator

By: *David D. Hester*  
Its Attorney in Fact

April 16, 1984

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE U-19295

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Middle Canyon Unit

8. FARM OR LEASE NAME  
Middle Canyon Unit

9. WELL NO.  
#13-3 (#13-13)

10. FIELD OR WILDCAT NAME  
East Point

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 13-T16S-R23E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8152' GR (proposed)

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. Attn: Ivan Urnovitz

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 660' FWL, 1025' FNL (proposed)  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

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) change surface location described in APD	

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

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

TXO proposes to move the proposed well location 150' east (660' FWL) and 125' south (1025' FNL) from the original proposed location (510' FWL, 900' FNL). The location layout would be rotated 180° in conjunction with the proposed move. These changes are intended to reduce the visual impact, the amount of surface disturbed, and potential reserve pit instability.



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

18. I hereby certify that the foregoing is true and correct  
SIGNED R.K. Urnovitz TITLE Env'l Scientist DATE May 25, 1984  
R.K. (Ivan) Urnovitz

(This space for Federal or State office use)

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

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 6, 1984

RECEIVED

JUN 7 1984

DIVISION OF OIL  
GAS & MINING

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

Attn: Ms. Gaylynn Larsen

Re: Middle Canyon Unit 13-3  
Section 13-T16S-R23E  
Grand County, Utah

Dear Ms. Larsen:

Please find enclosed the Sundry Notice we discussed the other day regarding the well referenced above. TXO Production Corp. has received approval from the BLM Vernal Office for the proposed location changes.

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

Very truly yours,

TXO PRODUCTION CORP.

*R.K. Urnovitz*

R.K.(Ivan) Urnovitz  
Environmental Scientist

RKU/gbp

Enclosure/as stated



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

5. LEASE DESIGNATION AND SERIAL NO.	U-19295
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	- - -
7. UNIT AGREEMENT NAME	Middle Canyon
8. FARM OR LEASE NAME	Middle Canyon Unit
9. WELL NO.	#13-3
10. FIELD AND POOL, OR WILDCAT	Horse Point
11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA	Sec. 13, T16S, R23E
12. COUNTY OR PARISH	Grand
13. STATE	Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)

1.  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
TXO Production Corp. Attn: Ivan Urnovitz (303) 861-4246

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.\* See also space 17 below.)  
At surface  
  
1025' FNL, 660' FWL (Proposed)

14. PERMIT NO.  
43-019-31153

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
8150' GR (Proposed)

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

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

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

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

TXO proposes to move the approved well location 150' east and 125' south from 510' FWL and 900' FNL to 660' FWL and 1025' FNL. The location layout would also be rotated 180° in conjunction with the proposed move. These changes are intended to reduce the visual impact, the amount of surface disturbed, and potential reserve pit instability.

RECEIVED

JUN 7 1984

DIVISION OF OIL  
GAS & MINING

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

DATE: 6/7/84  
BY: [Signature]

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

SIGNED B.K. Urnovitz TITLE Environmental Scientist DATE June 6, 1984  
R.K. (Ivan) Urnovitz

(This space for Federal or State office use)

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

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

RECEIVED

JUN 7 1984

DIVISION OF OIL  
GAS & MINING

June 4, 1984

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

Re: Approved Supply of Water  
Middle Canyon Unit 13-3  
Section 13-T16S-R23E  
Grand County, Utah

Gentlemen:

TXO Production Corp. (TXO) has reached an agreement with Mr. Burt DeLambert to purchase water for the above referenced well. Mr. DeLambert has received water permits #83-49-1 (June 6, 1983 to June 6, 1984) and #84-49-15 (June 6, 1984 to June 6, 1985) from the Division of Water Rights to sell water for oil and gas drilling. Due to the scheduled drilling date, TXO will use the latter permit to obtain water for drilling purposes.

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

Very truly yours,

TXO PRODUCTION CORP.

*R. K. Urnovitz*

R.K.(Ivan) Urnovitz  
Environmental Scientist

RKU/gbp



# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 4, 1984

# RECEIVED

JUN 13 1984

DIVISION OF OIL  
GAS & MINING

Mr. Burt DeLambert  
Box 607  
Vernal, Utah 84078

Re: Water Use Agreement for the  
Little Berry State "A" #1  
NW/NE Section 10-T16S-R23E  
Little Berry State "A" #2 ✓  
SW/NE Section 11-T16S-R23E  
Little Berry State "B" #1  
NW/SE Section 3-T16S-R23E  
Middle Canyon Unit #13-3  
NW/NW Section 13-T16S-R23E  
Grand County, Utah

Dear Burt:

This letter, when fully executed, will set forth the Agreement that has been reached between TXO Production Corp. (hereinafter referred to as "TXO") and Burt DeLambert with respect to water use in conjunction with the drilling of the above-referenced wells.

The terms of the Agreement between TXO and Burt DeLambert are as follows:

1. Burt DeLambert has agreed to sell to TXO all water necessary for the drilling and completion of the above-referenced wells. The mutually agreed upon purchase price for this water is two thousand five hundred dollars (\$2,500.00) per well. This water will be obtained from landowner's pond located in the southeast quarter of the northeast quarter (SE/4 NE/4) of Section 31-Township 15 South, Range 23 East, Uintah County, Utah and in conjunction with the taking and use of this water, TXO is granted the necessary easement on the existing roads between the above-mentioned pond and the referenced well site locations.

If you agree with the terms discussed in this letter, please concur by signing below and returning a signed copy of the letter to me. A check will be forwarded for each well on commencement of location construction. In the event TXO decides not to drill one of the referenced wells, it is understood that no water

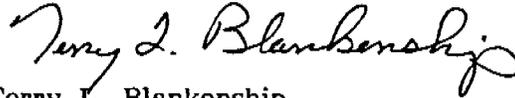
Burt DeLambert  
June 4, 1984  
Page Two

payment will be made.

If you have any questions do not hesitate to contact me at this office. Our toll free number is (800) 351-8803).

Very truly yours,

TXO PRODUCTION CORP.

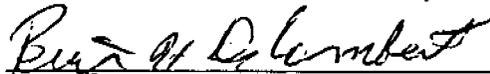


Terry L. Blankenship  
Environmental Scientist

TLB/gbp

ACCEPTED AND AGREED TO THIS

7 DAY OF May, 1984

  
Burt DeLambert  
Burt DeLambert

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO PRODUCTION

WELL NAME: MIDDLE CANYON UNIT #13-3

SECTION NWNW 13 TOWNSHIP 16S RANGE 23E COUNTY GRAND

DRILLING CONTRACTOR CRC COLORADO WELL

RIG # 75

SPUDDED: DATE 6-16-84

TIME 12:00 Noon

How Dry Hole Spud

DRILLING WILL COMMENCE 6/23/84

REPORTED BY Mark Repasky

TELEPHONE # 303-861-4246

DATE 6-19-84 SIGNED JRB

**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. Attn: R.K. Urnovitz

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 900' FNL, 510' FWL, Sec. 13-  
AT TOP PROD. INTERVAL: T16S-R23E  
AT TOTAL DEPTH:

5. LEASE U-19295

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Middle Canyon Unit

8. FARM OR LEASE NAME  
Middle Canyon Unit

9. WELL NO.  
#13-3

10. FIELD OR WILDCAT NAME  
Horse Point

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 13-T16S-R23E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.  
43-019-31153

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8172' GR

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

**RECEIVED**

**JUN 21 1984**

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

**DIVISION OF OIL  
GAS & MINING**

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

TXO Production Corp. proposes to set conductor pipe with the following specifications:

<u>Hole</u>	<u>Casing Size</u>	<u>Depth</u>	<u>Cement</u>
20"	13 3/8"	90'	Cement to Surface

This modification was discussed on the phone with Jerry Kenezka on June 19, 1984.

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

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

SIGNED R.K. Urnovitz TITLE Env'l Scientist DATE June 19, 1984  
R.K. (Ivan) Urnovitz

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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: 1025' FNL & 660' FWL  
AT TOP PROD. INTERVAL: as above  
AT TOTAL DEPTH: as above

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) <u>report of spud</u>	

5. LEASE  
U-19295

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Middle Canyon Unit

8. FARM OR LEASE NAME  
Middle Canyon Unit

9. WELL NO.  
#13-3

10. FIELD OR WILDCAT NAME  
Hope Point

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 13, T16S-R23E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.  
43-019-31153

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8172' GR

(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.)\*

Operator spudded the above well with a dry hole digger @ 12 noon 6/16/84. Verbal report was made to Vernal BLM office to Benna Muth and to John Baza, State of Utah, Oil & Gas Division, Salt Lake City. CRC Drilling Company will begin drilling operations approximately 6/23/84.

RECEIVED

JUN 22 1984

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

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

SIGNED Maui C. Ryan TITLE Petroleum Engineer DATE 6/20/84

(This space for Federal or State office use)

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

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

RECEIVED

AUG 8 1984

DIVISION OF OIL  
GAS & MINING

August 2, 1984

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

Attn: Mr. Cleon B. Feight  
Director

RE: MIDDLE CANYON UNIT #13-13  
Section 13, T16S-R23E  
Grand County, Utah

Gentlemen:

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 a copy 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.



Mark E. Repasky  
Petroleum Engineer

MER/dek  
encls.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
TXO PRODUCTION CORP.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1025' FNL & 660' FWL NW NW **RECEIVED**  
At top prod. interval reported below same as above  
At total depth same as above **AUG 8 1984**

14. PERMIT NO. 43-019-31153 DATE ISSUED \_\_\_\_\_  
DIVISION OF OIL GAS & MINING

15. DATE SPUDDED 6/16/84 16. DATE T.D. REACHED 7/26/84 17. DATE COMPL. (Ready to prod.) N/A

18. ELEVATION (OF RKB, RT, GR, ETC.)\* 8186' KB 19. ELEV. CASINGHEAD 8173'

20. TOTAL DEPTH, MD & TVD 8150' 21. PLUG, BACK T.D., MD & TVD N/A 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS X CABLE TOOLS \_\_\_\_\_

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-CNL-FDC-GR-CAL

27. WAS WELL COBED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	423'	12-1/4"	225 SXS	none
7"	20 & 23#	4565'	8-3/4"	150 SXS	535'

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)

N/A

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

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

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 \_\_\_\_\_

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

SIGNED Mark E. Rippey TITLE Petroleum Engineer DATE August 2, 1984

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



WELL DATA  
 FLD Winter Ridge SEC. 13 TWP. 16S NM. 23E COUNTY Grand STATE UTAH

OPERATION NAME TYPE  
 SAMATION THICKNESS FROM TO  
 INITIAL PROD: OIL SPD. WATER SPD. GAS MOPD  
 CURRENT PROD: OIL SPD. WATER SPD. GAS MOPD  
 COMPLETION DATE MUD TYPE MUD WT.  
 CORKER TYPE SET AT  
 BOTTOM HOLE TEMP. PRESSURE  
 ISC. DATA TOTAL DEPTH

	REV USED	WEIGHT	SIZE	PHON	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINEP						
TUBING	U	1330	3.0	KO	1950	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 7-28-84 TIME 10:51	DATE 7-28-84 TIME 4:30	DATE 7-28-84 TIME 18:55	DATE 7-29-84 TIME 14:35

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
LOAD COLLAR		
LOAD SHOE		
JACK SHOE		
ENTRALLERS		
OTTOM PLUS		
OP FLUG		
1-3 1/2 IF D.P.	1	HALCO
ACHES		
THEN		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T Rogers R Ball Creek	C2 2142	Vernal
J Croan A FINK	3165-7648	Vernal

MATERIALS

HEAT FLUID DENSITY LB/GAL. AM  
 ISPL FLUID DENSITY LB/GAL. AM  
 POP. TYPE SIZE LB.  
 POP. TYPE SIZE LB.  
 CID TYPE GAL.  
 GIB TYPE GAL.  
 CID TYPE GAL.  
 UNFACTANT TYPE GAL. IN.  
 E AGENT TYPE GAL. IN.  
 LIID LOSS AGG. TYPE GAL.-LB. IN.  
 FLLING AGENT TYPE GAL.-LB. IN.  
 RIC. RES. AGENT TYPE GAL.-LB. IN.  
 BREAKER TYPE GAL.-LB. IN.  
 LOCKING AGENT TYPE GAL.-LB.  
 XPPAC BALLS TYPE QTY.  
 THEN  
 THEN

DEPARTMENT Cement  
 DESCRIPTION OF JOB P.T.A.

JOB DONE THRU: TUBING  CASING  ANNULUS  TAG./ANN.   
 CUSTOMER REPRESENTATIVE X *W. H. Sutton*  
 HALLIBURTON OPERATOR *L. Regus* COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK	ADDITIVES	YIELD CU.FT./GAL.	MIXED LB./GAL.
1	50	H	Utah	Utah	Bulk	H-neat	1.15	15.8
2	50	H	Utah	Utah	Bulk	H-neat	1.15	15.8
3	100	H	Utah	Utah	B	NONE	1.15	15.8
4	25	H	Utah	Utah	B	NONE		

PRESSURES IN PSI  
 CIRCULATING DISPLACEMENT  
 BREAKDOWN MAXIMUM  
 AVERAGE FRACTURE GRADIENT  
 MUDPH: INSTANT  
 HYDRAULIC HORSEPOWER  
 REDUCED AVAILABLE USED  
 AVERAGE RATES IN BPM  
 HEATING DIRM OVERALL  
 CEMENT LEFT IN PIPE  
 REASON

SUMMARY  
 FRESHWATER: BBL-GAL 10  
 LOAD & SHOT: BBL-GAL  
 TREATMENT: BBL-GAL  
 CEMENT SLURRY: BBL-GAL 10-10-20  
 TOTAL VOLUME: BBL-GAL 103.5

REMARKS

See Job Log

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:51							Crew called for Job
	12:00							left yard
	4:30							Crew + truck on location
	5:00							Crew + truck Ready to pump wait on orders
1	1854	4	10			500		START Plug Pump 10 BBLs
2	1858	4	10			500		Water ahead of Cement
2	1854	4	10			500		Mix 50 SACKS Cement
3	1904	4	1			500		Pump 1 BBL Behind Cement
4	1905	4	53			250		DISPLACE with mud 53 BBLs
5	2110	4	10			500		START Plug # 2 with 10 BBLs water ahead of Cement
6	2115	4	10			500		Mix 50 SACKS Cement
7	2116	4	1			500		Pump 1 BBL Behind Cement
8	2117	4	25			500		DISPLACE with 25 BBLs mud
9	1413	5	20			250		LAST Plug START with 20 BBLs Water ahead of Cement
10	1417	15	20			250		Mix 100 SACKS Cement
11	1434	3	3			250		DISPLACE with 3 BBLs water truck Released
								THANK YOU

WELL NAME:	Middle Canyon Unit #13-13	PTD:	8050'
AREA:	East Point	ELEVATIONS:	8186' KB, 8173' GL
LOCATION:	Section 13, T16S-R23E	CONTRACTOR:	CRC #75
COUNTY:	Grand	AFE NUMBER:	841480
STATE:	Utah	LSE NUMBER:	73375
FOOTAGE:	900' FNL & 510' FWL	TXO WI:	75%

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APCOT FINADEL JOINT VENTURE P. O. Box 2159, Ste. 1848 Dallas, Texas 75221 Attn: Houston Welch	Just Mail
--	-----------

GULF OIL CORP. P. O. Box 1150 Midland, Texas 79702 Attn: Suzanne Davis Phone: (915) 687-7220	Daily Call Weekly Mail
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GULF OIL CORP. P. O. Box 670 Hobbs, NM 88240 Attn: Area Geologist	Just Mail
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07/03/84 MIRU CRC Drilling Rig #75.

07/04/84 457' (327'), cmtg surf pipe. Green River. Spudded 12-1/4" hole @ 10:30 AM 7/03/84. TD 12-1/4" hole @ 457'. RIH w/ 9-5/8" OD guide shoe (1.0). 10 jts, 9-5/8" OD, 36#, K-55, ST&C, R-3, C-A csg (437). RU BJ Hughes. Cmt w/ 150 sxs 50/50 poz w/ 2% gel, 2% CaCl<sub>2</sub> 4#/ sx gil, 1/4#/ sx celloflake tailed w/ 55 sxs Cl "G" w/ 2% CaCl<sub>2</sub> & 1/4#/ sx celloflake. Survey: 3/4° @ 303'. DW: 41,110. CW: 41,110. DD: 1.

07/05/84 457' (0'), drlg cmt. Fin cmtg surf pipe. Cmt to surf, no fall back. NU & test BOP's to 1500 psi. Held ok. TIH & tag cmt. Drlg out cmt. Air mist @ 80 psi. DW: 5650. CW: 46,760. DD 2.

07/06/84 828' (371'), stuck in hole. Green River. Drld cmt out of surf csg. Drld to 828' w/ air-dust. Started getting tight. Pipe stuck @ 8:00 P.M. Work pipe while WO surf jars. RU & jar loose. LD 5 jts DP, stuck again @ 653'. RU surf jars. Work stuck pipe. DW: 8050. CW: 54,810. DD 3.

07/07/84 1120' (292'), drlg. Air mist 190#. Green River. TIH to btm. Circ & cond hole. TOOH. Pipe stuck @ 430'. TIH & drld ahead to 930'. Misted uphole. Circ & cond hole. TOOH. Fix blooie line. TIH w/ bit #3. Survey. Drld ahead to 1120'. 1-3/4° @ 894', 1-1/2° @ 1076'. DW: 6125. CW: 60,935. DD 4.

07/08/84 1819' (699'), drlg. Air mist 190#. Green River. Drld from 1120-1819', 8-10' fill between connections. Change out rotating head. 1° @ 1382', 1/2° @ 1688'. DW: 13,195. CW: 74,130. DD 5.

07/09/84 2812' (993'), drlg. Air mist 325#. Green River. Drld from 1819-2400'. Well began making wtr @ ± 2400'. Slow mist pump dn to 8-10 BPH. Incr soap & polymer in mist tank. Drld to 2824'. No tight connection. 1/4° @ 2026', 1/4° @ 2330', 1/2° @ 2637'. DW: 18,550. CW: 92,680. DD 6.

07/10/84 3590' (778'), drlg. Air mist 340#. Green River. Drld from 2812-3590'. One compressor went dn 1 hr. No tight hole. 1/2° @ 2945', 1° @ 3250'. DW: 17,220. CW: 109,900. DD 7.

07/11/84 4232' (642'), drlg. Air mist @ 350#. Castlegate. Drld from 3590-4232'. SD to fix blooie line 1-1/2 hrs. Work pipe. No tight connections. Castlegate ST @ 4152'. Drlg ahead. DW: 14,550. CW: 124,450. DD 8.

WELL NAME:	Middle Canyon Unit #13-13	PTD:	8050'
AREA:	East Point	ELEVATIONS:	8186' KB, 8173' GL
LOCATION:	Section 13, T16S-R23E	CONTRACTOR:	CRC #75
COUNTY:	Grand	AFE NUMBER:	841480
STATE:	Utah	LSE NUMBER:	73375
FOOTAGE:	900' FNL & 510' FWL	TXO WI:	75%

\*\*\*\*\*

- 07/12/84 4565' (333'), circ & cond hole w/ mud w/ good returns. Mancos. 8.6, 39, 11.8, 10. Drld from 3242' to 4565' w/ air mist. Blow hole & circ to short trip. Pull 5 stnds. Pulled tight. Kelley'd up to blow hole. Booster went dn. Mudded up. Hole unloaded w/ good returns. Pumped 450 BM. POOH w/ 38 stnds. Pulled tight. TIH to btm while mixing mud to 4265'. Pumped 200 bbls, gained circ. Mancos ST @ 4350'. 2° @ 4291'. DW: 9410. CW: 133,860. DD 9.
- 07/13/84 4565' (0'), working tight hole & circ & cond. Mancos. 8.8, 58, 10, 8. Lost circ. Regain circ @ 4515'. Circ & cond hole. Start TOOH. Pull tight @ 1860'. While pulling into tight spot lost circ. Work pipe. Build pit volume. CRC attempted to pull through tight spot & stuck pipe. WO surf jars. Jar pipe loose. Regained full circ & working pipe. Can move pipe dn. Cannot get past 1860' on way up. DW: 6900. CW: 147,760. DD 7.
- 07/14/84 4565' (0'), reaming, circ & cond hole. Mancos. 8.7, 54, 9.2, 8.5. Circ & work pipe out of hole. TIH. Ream bridges @ 1392', 1860'. Brk circ every 10 stnds. Tag up @ 4490'. Wash & ream to btm. Prep to TOOH. DW: 4300. CW: 145,060. DD 11.
- 07/15/84 4565' (0'), NU BOP's. Mancos. Fin reaming to btm. Circ & cond hole. TOOH & SLM, no correction. Ran 18 jts 7", 23#, K-55, ST&C (3745-4565') & 131 jts 7", 20#, K-55, ST&C csg (0-3745'), set @ 4565'. Circ w/ mud for 15 min. Pumped 10 bbls of mud sweep, 10 bbls of H<sub>2</sub>O spacer. Cmt w/ 75 sxs 50/50 poz w/ 2% CaCl<sub>2</sub>, friction reducer, 1/4#/sx celloflake. Tail w/ 75 sxs Cl "G" w/ 2% CaCl<sub>2</sub>, 1/4#/sx celloflake. Dspl w/ 183 BW. PD @ 7:08 PM. BP @ 1225#. Float held. No returns. WOC. ND BOP's. Set slips w/ 60,000#. NU BOP's. DW: 68,895. CW: 213,955. DD 12.
- 07/16/84 4570' (5'), drlg. Mancos. Air dust 100#. Fin NU BOP's. Test to 1000#, OK. LD 6-1/4" DC's. PU 4-3/4" DC's. TIH. Tag cmt @ 4450'. Drld 110' cmt, 5' new hole. Dry up hole. DW: 3130. CW: 217,085. DD 13.
- 07/17/84 4969' (399'), drlg. Air dust 250#. Mancos. Fin dry hole. Drld ahead to 4720'. Survey. TOOH for packed BHA. Cut drlg line. Change out rotating rubber. TIH w/ bit #5 & BHA. Drld ahead to 4969' w/ air dust. 3-1/4° @ 4688', 3° @ 4772', 3° @ 4867'. DW: 8620. CW: 225,705. DD 14.
- 07/18/84 5640' (671'), drlg. Air dust 250#. Mancos. Drld from 4969-5640' w/ air dust. 3° @ 4961', 3° @ 5052', 3-1/4° @ 5146', 3-1/2° @ 5290', 3-1/4° @ 5380', 3-1/2° @ 5413', 4° @ 5575'. DW: 13,270. CW: 238,975. DD 13.
- 07/19/84 6042' (402'), TOOH for bit #6 & stabilization. Mancos. Drld from 5640-6042'. Vary WOB & RPM to control deviation. TOOH for bit #6 & stiffer BHA @ 6042'. 4° @ 5666', 4° @ 5759', 5-1/2° @ 5910', 5-3/4° @ 6002'. DW: 8785. CW: 247,760. DD 16.
- 07/20/84 6226' (182'), drlg. Mancos. Air mist @ 450#. Fin TOOH w/ bit #6. PU stabilization. TIH. Drld ahead w/ no cuttings to surf to 6093'. Misted up. Hole cleaned up. Drlg ahead. Mancos "B" show 5960-6020'. Drk sh, oil on samples. Survey @ 6002', 20' flare when air engaged. 6-1/2° @ 6093', 8° @ 6185'. DW: 4750. CW: 252,510. DD 17.
- 07/21/84 6595' (369'), drlg. Mancos. Air mist @ 450#. Drld from 6226-6595' w/ air mist. No tight connections. Drlg ahead. 8-1/2° @ 6278', 9-3/4° @ 6370', 10-1/4° @ 6463'. DW: 8000. CW: 260,510. DD 18.

WELL NAME:	Middle Canyon Unit #13-13	PTD:	8050'
AREA:	East Point	ELEVATIONS:	8186' KB, 8173' GL
LOCATION:	Section 13, T16S-R23E	CONTRACTOR:	CRC #75
COUNTY:	Grand	AFE NUMBER:	841480
STATE:	Utah	LSE NUMBER:	73375
FOOTAGE:	900' FNL & 510' FWL	TXO WI:	75%

\*\*\*\*\*

- 07/22/84 6731' (136'), drlg. Mancos. Air mist @ 420#. Drld from 6595' to 6687'. Deviation still building. TOOH for 60' pendulum assembly. TIH w/ BHA. Drld ahead to 6731'. Sample tops Mancos "B" 4780', Mancos "B" Base 5647'. 11-1/4° @ 6553', 12° @ 6647', 12° @ 6690'. DW: 4620. CW: 265,130. DD 19.
- 07/23/84 7006' (275'), drlg. Mancos. Air mist @ 450#. Drld from 6731' to 6860'. Compressor booster went dn. Drld to 7006'. No tight connections. 14° @ 6782', 13° @ 6873', 11° @ 6963'. DW: 6470. CW: 271,600. DD 20.
- 07/24/84 7405' (399'), drlg ahead w/ air mist @ 440 psi. Mancos. Drld from 7006' to 7405' w/ air mist. Good returns. No tight hole. No fill on connections. 600 psi required to unload after connections. 12° @ 7057', 12° @ 7182', 12° @ 7274', & 13° @ 7364'. DW: 8683. CW: 280,283. DD: 21.
- 07/25/84 7529' (124'), drlg. Mancos. Air mist 440#. Drld to 7529' w/ air mist. Unloaded hole. TOOH. LD IBS. TIH w/ bit #7 w/ slick BHA, 5' fill. Unloaded hole w/ 600#. No tight hole. 12° @ 7457'. DW: 5666. CW: 285,949. DD 22.
- 07/26/84 7856' (327'), drlg. Dakota Silt. Air mist @ 380#. Drld from 7529-7856' w/ air mist. ST Dakota Silt @ 7840'. 11° @ 7570', 9° @ 7663'. DW: 8345. CW: 294,294. DD 23.
- 07/27/84 8150' (294'), reaming to btm. Morrison. 8.6, 50, 10.8, 9. Drld w/ air mist to 8150' @ 450#. TD 6-1/4" hole @ 12 PM 7/26/84. Blowed hole. Made 10 stnd short trip. Had 60' fill. Attempt to clean out w/ air. Mudded up w/ 350 bbls. Reaming to btm @ 8100' w/ full returns. Had 2 min 10' flare on connection @ 8066'. 3-1/2 min 10' flare on connection @ 8129'. 10' lazy flare while dspl hole w/ mud. ST: Kd Silt @ 7847', Kd Sand @ 7935', Buckhorn @ 8045', Morrison @ 8100'. 7-1/2° @ 7816'. DW: 10,777. CW: 305,071. DD 24.
- 07/28/84 8150' (0'), TIH w/ DC's. Morrison. 8.6, 50, 10.8, 9. Ream to 8150'. Circ & cond. Short trip 10 stnds. Had 5' fill. POOH for logs. RU Gearhart. Run DIL-CNL-FDC-GR Caliper. RD Gearhart. 7° @ 8000'. DW: 6320. CW: 311,391. DD 25.
- 07/29/84 8150' (0'), WO Gearhart WL. Morrison. TIH w/ DC's. TOOH, LD DC's. TIH w/ DP open ended. Set 50 sxs plug @ 7750-7950'. TOOH. Set 50 sxs plug @ 4450-4650'. TOOH. LD DP. ND BOP & wellhead. PU spear. WO WL. DW: 20,290. CW: 331,681. DD 26.
- 07/30/84 8150' (0'), RDRT. PU & free point 7" csg (note: work csg to 150,000#). Found csg fill @ 625'. Cut csg @ 535'. POOH & LD 7" csg. TIH w/ DP. Set plug #3, 100 sxs @ 635-300'. LD DP. Set plug #4, 25 sxs @ surf. ND wellhead. Install dry hole marker. Rel rig @ 12 PM 7/29/84. Well is P & A. FINAL REPORT!!! DW: 18,370. CW: 350,051. DD 27.

**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: 1025' FNL & 660' FWL  
AT TOP PROD. INTERVAL: same as above  
AT TOTAL DEPTH: same as above

5. LEASE  
U-19295

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Middle Canyon Unit

8. FARM OR LEASE NAME  
Middle Canyon Unit

9. WELL NO.  
#13-13

10. FIELD OR WILDCAT NAME  
Hope Point

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 13, T16S-R23E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31153

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8172' GR

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

REQUEST FOR APPROVAL TO:      SUBSEQUENT REPORT

TEST WATER SHUT-OFF      

FRACTURE TREAT      

SHOOT OR ACIDIZE      

REPAIR WELL      

PULL OR ALTER CASING      

MULTIPLE COMPLETE      

CHANGE ZONES      

ABANDON\*      

(other) \_\_\_\_\_

**RECEIVED**

**AUG 8 1984**

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

**DIVISION OF OIL  
GAS & MINING**

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.)\*

Operator has recovered 535' of 7", 20#, K-55, and plugged the above well as follows: Plug #1 from 7750-7950' w/ 50 sxs, Plug #2 from 4450-4650' w/ 50 sxs, Plug #3 from 635-300' w/ 100 sxs, Plug #4 at surface w/ 25 sxs w/ dry hole marker. The above location will be rehabilitated in the Fall of 1984.

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

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

SIGNED Mark E. Ryan TITLE Petroleum Engineer DATE August 2, 1984

(This space for Federal or State office use)

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

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. U-19295 (Fed.)
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
2. NAME OF OPERATOR TXO Production Corp.    Attn: C.K. Curlee		7. UNIT AGREEMENT NAME Middle Canyon
3. ADDRESS OF OPERATOR 1800 Lincoln Center Bldg. Denver, CO 80264		8. FARM OR LEASE NAME Middle Canyon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  900' FNL, 510' FWL    Sec. 13-T16S-R23E		9. WELL NO. 13-3
14. PERMIT NO. 43-019-31153		10. FIELD AND POOL, OR WILDCAT East Point
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 8172' GR		11. SEC., T., R., M., OR BLK. AND SUBST OR AREA Sec. 13-T16S-R23E
		12. COUNTY OR PARISH    13. STATE Grand    Utah

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

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

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

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

Problem per your September 10, 1984 letter: Proper identification.

Well has been plugged and abandoned and in the process of location rehabilitation, including recontouring and reseeding in accordance with Federal stipulations. Dry hole marker information contains name of operator, well name, legal location by 1/4 / 1/4, and lease number.

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

SIGNED Charles K. Curlee TITLE Environmental Manager DATE October 12, 1984

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side