

# TXO

**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

February 15, 1984

**RECEIVED**  
FEB 17 1984

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

**DIVISION OF  
OIL, GAS & MINING**

Attn: Norm Stout, Holding File

Re: BMG Federal #5  
Section 7-T16S-R26E  
Grand County, Utah

Dear Norm:

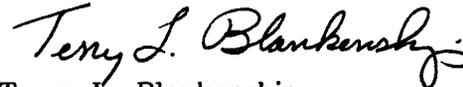
Enclosed please find three copies of the "Application for Permit to Drill" the above well. Also enclosed is a copy of the APD/MSUOP that was submitted to the Bureau of Land Management. Please note that this is a directional drill proposal.

Due to extremely rough terrain as well as the limitations associated with directional drilling, we were unable to locate the bottomhole of the proposed BMG Federal #5 more than 2,500 feet from the BMG Federal #2. In reference to Findings of Fact and Order Cause No. 107-1 TXO Production Corp. requests an administrative spacing exception for this proposed well.

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

Very truly yours,

TXO PRODUCTION CORP.



Terry L. Blankenship  
Environmental Scientist

TLB/gbp

Enclosures/as stated

RECEIVED  
 UNITED STATES DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY  
 FEB 17 1984

DATE\*  
 (Other instructions on reverse side)

Form approved.  
 Budget Bureau No. 42-R1425.

5. LEASE DESIGNATION AND SERIAL NO.  
 U-05015

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

7. UNIT AGREEMENT NAME  
 ---

8. FARM OR LEASE NAME  
 BMG Federal

9. WELL NO.  
 #5

10. FIELD AND POOL, OR WILDCAT  
 San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Surf: Sec. 8-T16S-R26E  
 ID: Sec. 7-T16S-R26E

12. COUNTY OR PARISH  
 Grand

13. STATE  
 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

DIVISION OF OIL, GAS & MINING  
 SINGLE ZONE  MULTIPLE ZONE

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
 1375' FSL, 11' FWL Section 8-T16S-R26E  
 At proposed prod. zone Dakota Sands: 2000' FSL, 1250' FEL Sec. 7-T16S-R26E  
 Total Depth: 2056' FSL, 1363' FEL Sec. 7-T16S-R26E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approx. 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)	2450'	16. NO. OF ACRES IN LEASE	2560	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.	2290'	19. PROPOSED DEPTH	5550 TVD	20. ROTARY OR CABLE TOOLS	Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	6558' GR	22. APPROX. DATE WORK WILL START*			

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#	2116' MD	150 sacks
6-1/4"	4-1/2"	10.5#	2065' TVD	
			5791' MD	125 sacks
			5550' TVD	

TXO Production Corp. proposes to directionally drill the subject well using an angle building rate of 2°/100' in accordance with the table below.

	TVD	Deviation	Angle	MD
Kickoff depth	500'	0.0'	0.0°	500'
Angle established	1410'	148'	18.3°	1426'
Initial objective	5168'	1407'	18.3°	5389'
Total depth	5550'	1533'	18.3°	5791'

The initial target (Dakota Sands) is located 2000' FSL, 1250' FEL of Section 7-T16S-R26E and is planned with a 250' target radius to comply with applicable state spacing regulations.

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 RE Dashner TITLE District Drilling Manager DATE \_\_\_\_\_  
 K.E. Dashner

(This space for Federal or State office use)

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

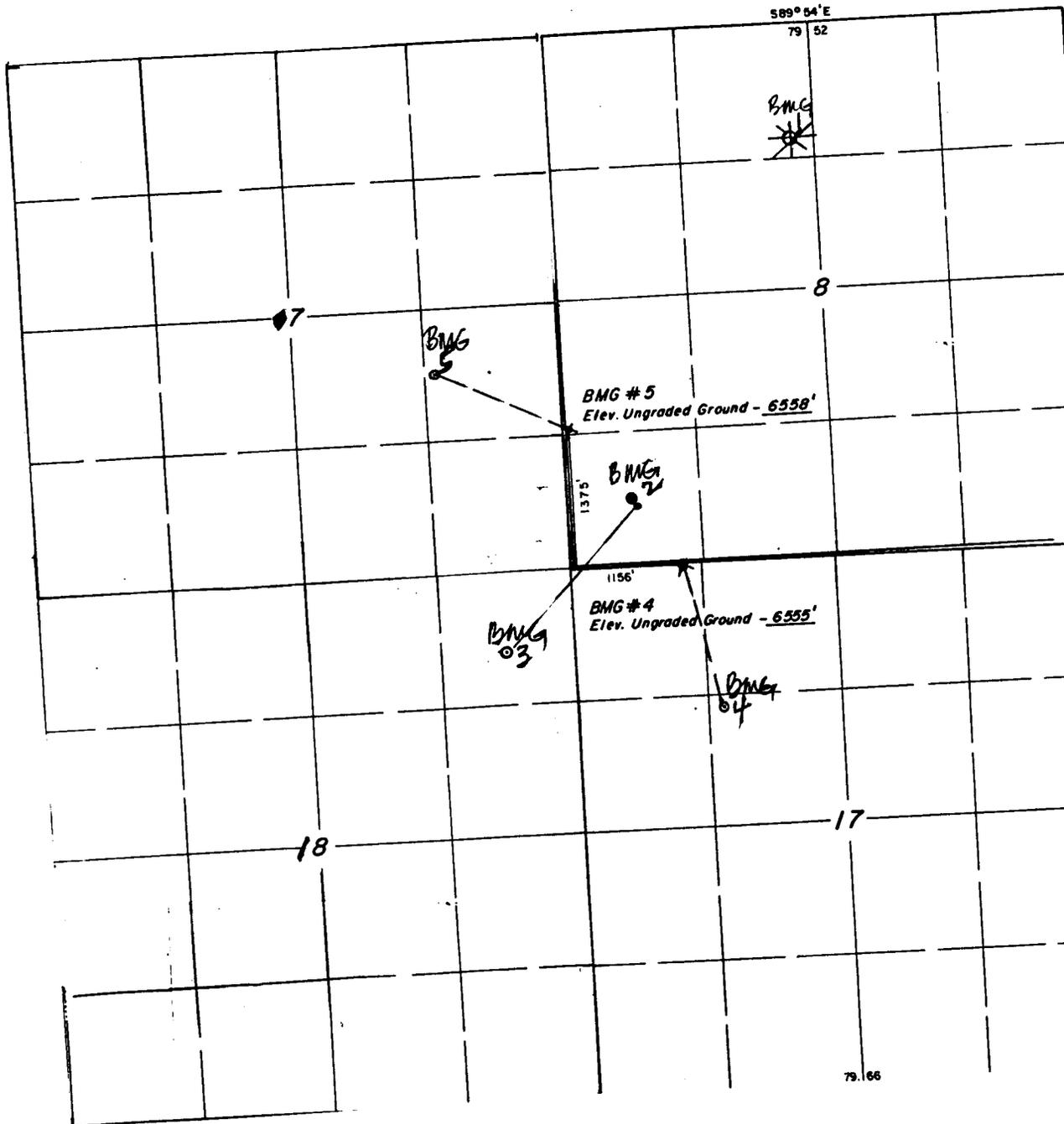
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: 2/20/84  
 BY: [Signature]

T16S, R26E, S.L.B.8M.

T16S, R26E, S.L.B.8M.



9331 C ADDENDUM  
BMG Federal #5  
Section 7-T16S-R26E  
Grand County, Utah



1. SURFACE FORMATION: Mesa Verde
2. ESTIMATED FORMATION TOPS:

**DIVISION OF  
OIL, GAS & MINING**

Castlegate 1665'  
Mancos 1865'  
Dakota 5168'  
Morrison 5438'  
Total Depth 5550'

Depths given are true vertical depths  
(TVD)

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

Expected Gas Zones: Dakota 5168' (TVD)

Water may be encountered in the Mesaverde and Castlegate Formations.

4. DIRECTIONAL DRILL PROGRAM:

As indicated on Form 9-331C, TXO Production Corp. proposes to directionally drill the subject well. Major depths and angles are listed below:

	<u>TVD</u>	<u>Deviation</u>	<u>Angle</u>	<u>MD</u>
Kickoff depth	500'	0.0'	0.0°	500'
Angle established	1410'	148.0'	18.3°	1426'
Initial objective	5168'	1407.0'	18.3°	5389'
Total depth	5550'	1533.0'	18.3°	5791'

During kickoff, an angle building rate of 2°/100' will be employed with surveys to be taken at between 30 and 90 foot intervals as required by hole conditions. When a total angle of 18.3°, from vertical is established, the angle will be held to the proposed TD of 5550' (TVD). The bottomhole target (Dakota sand group) is located 2000' FSL, 1250' FEL of Section 7 and is planned with a 250' target radius to comply with applicable state spacing regulations. Again, surveys through this stage of the hole will be dictated by hole conditions.

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

6. 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.
7. 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% KCL mud at 8.6-8.8 wt., vis. 28-32 sec. API.
8. 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.
9. 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, FDC-CNL-GR-CAL from TD to 2000' above TD.
  - C. No testing is anticipated.
10. 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.
11. ANTICIPATED STARTING DATES:
- |                               |                |
|-------------------------------|----------------|
| Start location construction   | April 1, 1984  |
| Spud date                     | April 10, 1984 |
| Complete drilling             | April 25, 1984 |
| Completed, ready for pipeline | May 10, 1984   |

12. 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: February 15, 1984

WELL NAME: BMG Federal #5

SURFACE LOCATION: 1375' FSL, 11' FWL, Section 8-T16S-R26E, Grand County, Utah.

FEDERAL OIL & GAS LEASE NO.: U-05015

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 1375' FSL and 11' FWL in Section 8-T16S-R26E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Mack Colorado, proceed west 2.3 miles on State Highway 6 & 50 to Eight Road in Colorado. Turn right on Eight road and proceed north 2.7 miles. Turn left, remaining on pavement, and proceed west 3.0 miles to a curve. Continue to follow the well-traveled and maintained road northwest for 3.1 miles to a fork. Take the left fork and proceed 3.1 miles to a fork. Take the right fork (left fork continues up Jim Canyon) and proceed up Prairie Canyon 1.8 miles to a fork. Take the left fork and proceed up Cottonwood Canyon for 1.6 miles to the Moxa Federal #1 well site. From this point the road proceeds out of the canyon bottom for 1.3 miles to the location of the BMG Federal #2 and #3.
- 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 500 feet long, will be built from the existing BMG #3 pad. Refer to Exhibit 5.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Abandoned Wells-None
- C. Temporarily Abandoned Wells-None

- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells-TXO BMG Federal #1, Section 8-T16S-R26E
- G. Shut-in Wells - TXO BMG Federal #2, Section 8-T16S-R26E  
TXC BMG Federal #3, Section 18-T16S-R26E
- 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 production pit, a production unit, a meter run, and, if necessary, a dehydrator. The facilities will be located as shown on Exhibit 7. 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 West Salt Wash in Colorado**
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler along the route shown in green on Exhibit 3.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is anticipated that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled on the 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: The affected land is Federal and under the management of the Bureau of Land Management.
- C. Show any needed access roads crossing Federal or Indian Lands: The new access road will cross BLM administered lands in Section 8-T16S-R26E on Lease U-05015. Refer to Exhibits 4 and 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 pit (if necessary) will be fenced with woven 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 8.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 8.
- C. 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 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 May 10, 1984 and will be completed within approximately one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located on relatively flat ground. The soil in the area consists of a silty loam. Vegetation accounts for approximately 60 percent of the ground cover and is comprised of pinon pine, big sagebrush, juniper, oak brush, 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 Cottonwood Canyon. An archeological survey was performed for the BMG Federal #2 location. This survey covers an extra large area which will include any additional disturbance associated with the BMG Federal #5.

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:

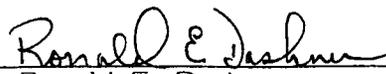
Terry Blankenship  
Environmental Scientist  
TXO Production Corp.  
1800 Lincoln Center Building  
1660 Lincoln Street  
Denver, Colorado 80264  
(303) 861-4246 - Business  
(303) 988-9343 - Residence

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: February 15, 1984

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

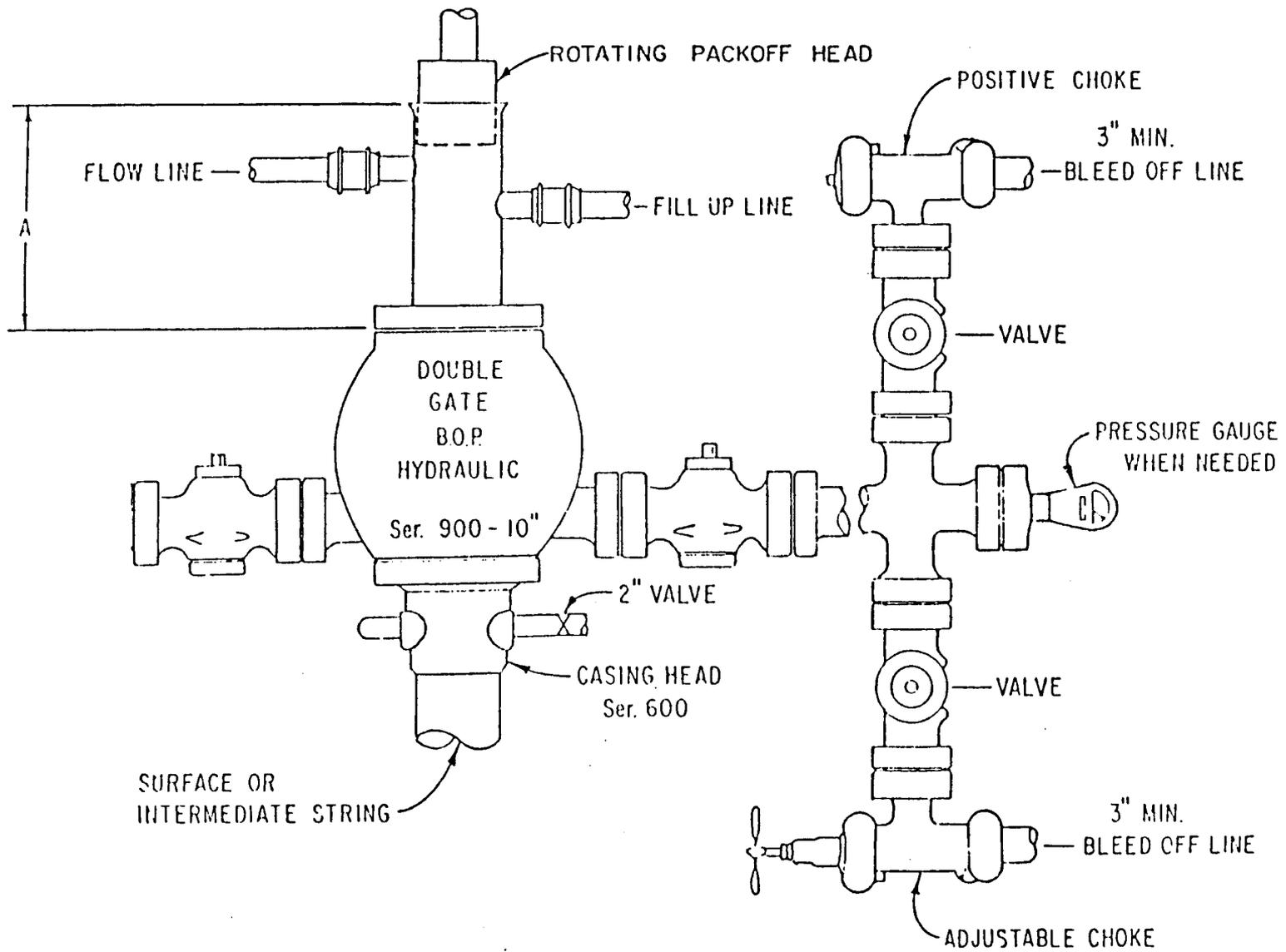
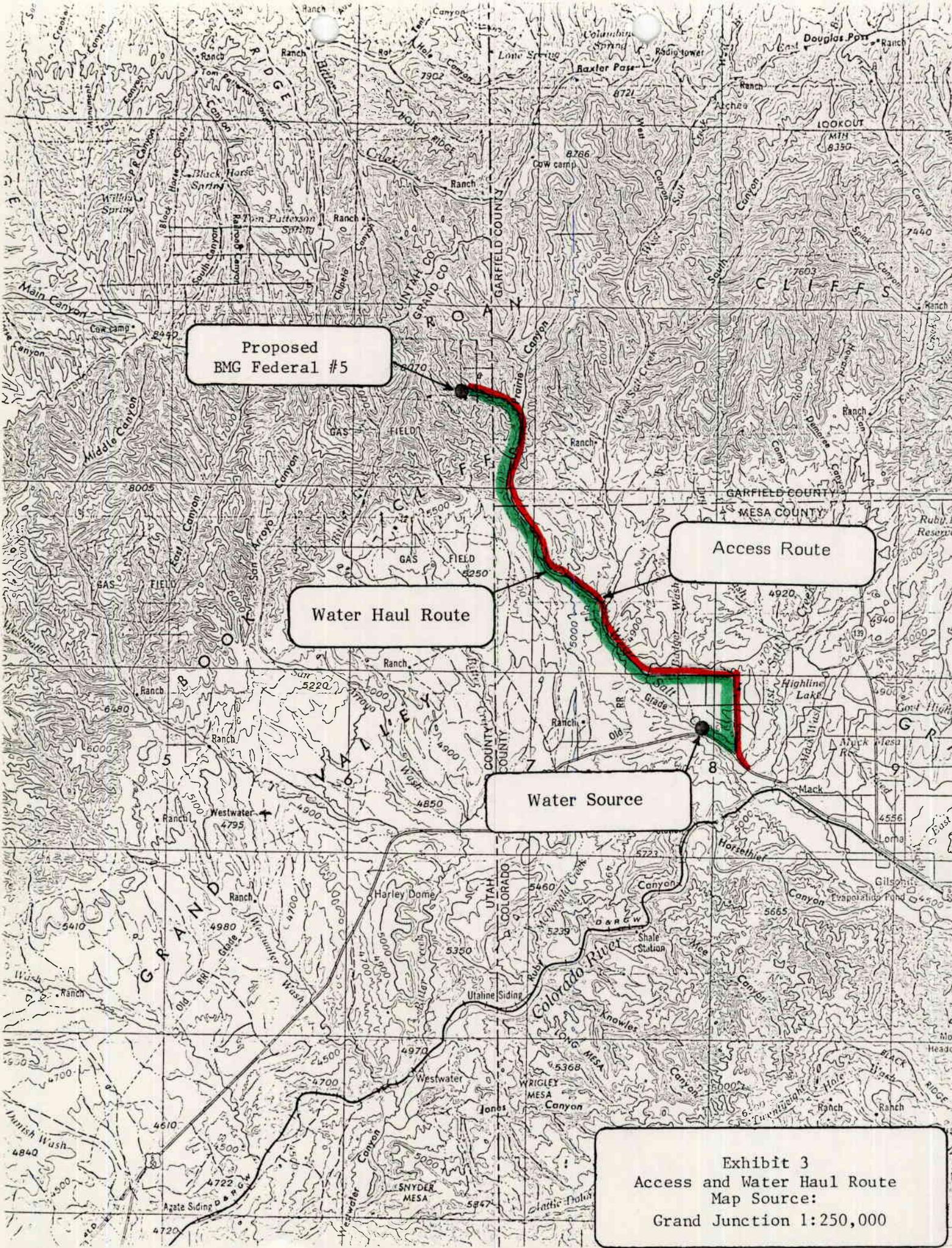


EXHIBIT I  
 BLOWOUT PREVENTER DIAGRAM



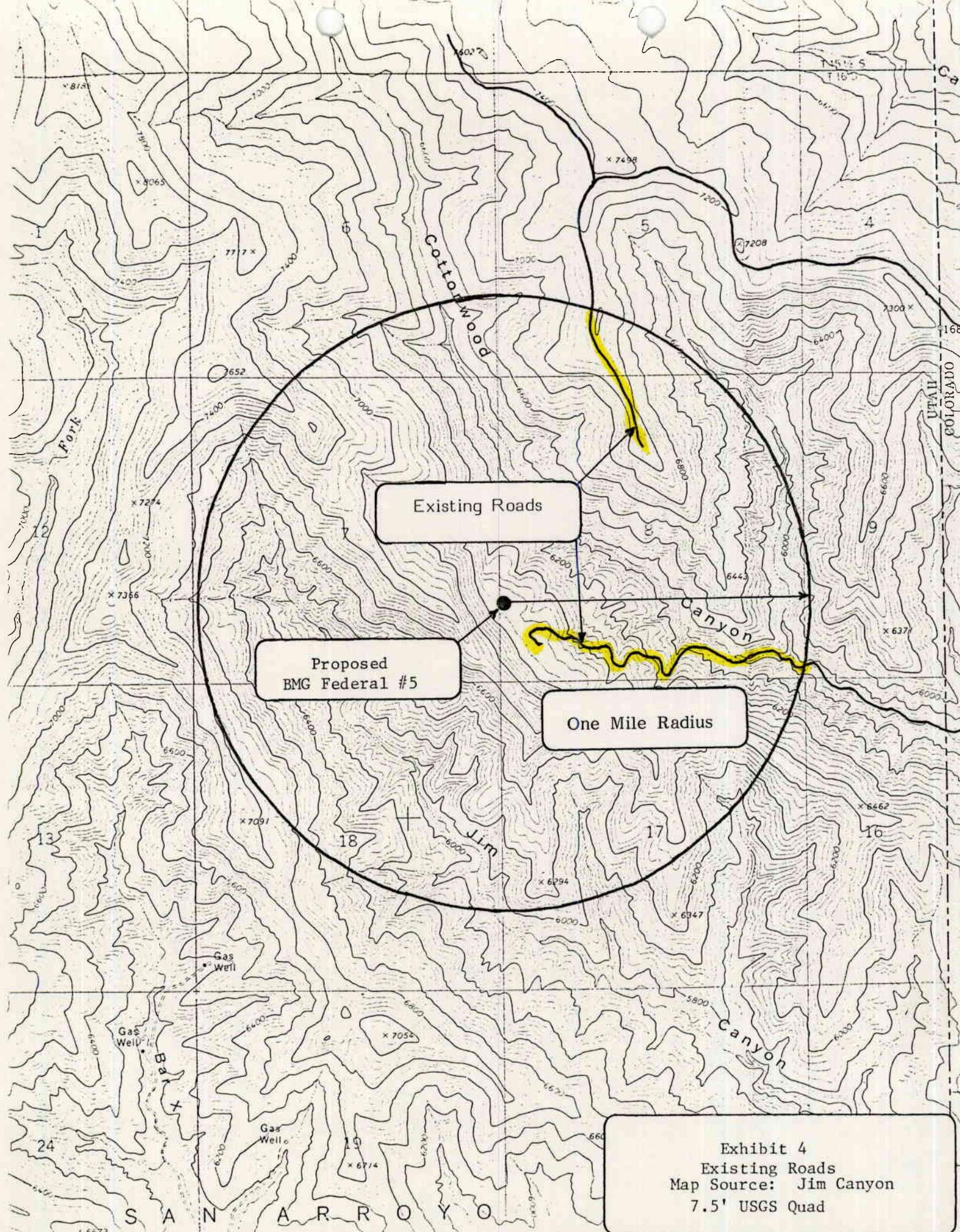
Proposed  
BMG Federal #5

Water Haul Route

Access Route

Water Source

Exhibit 3  
Access and Water Haul Route  
Map Source:  
Grand Junction 1:250,000

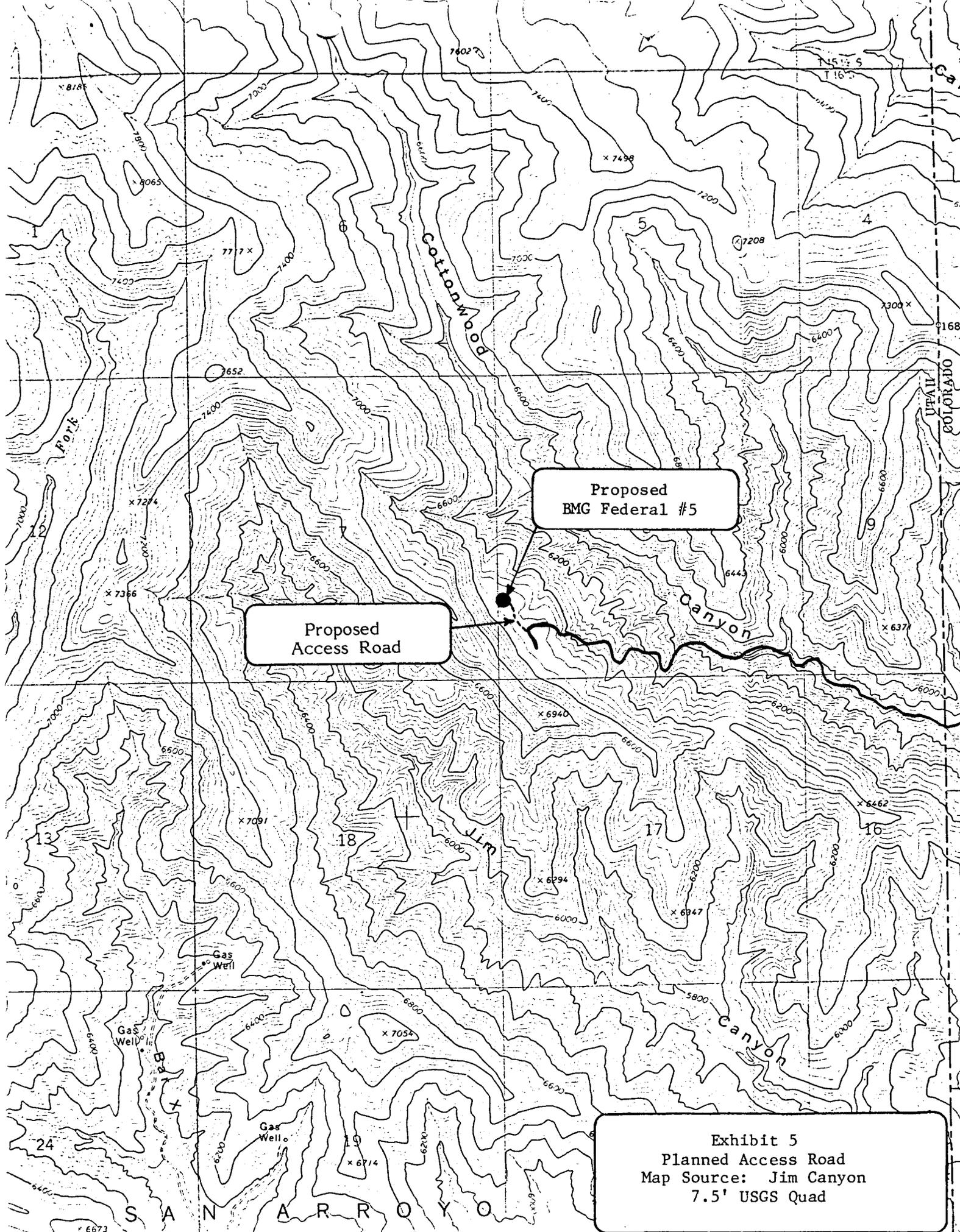


Existing Roads

Proposed  
BMG Federal #5

One Mile Radius

Exhibit 4  
Existing Roads  
Map Source: Jim Canyon  
7.5' USGS Quad

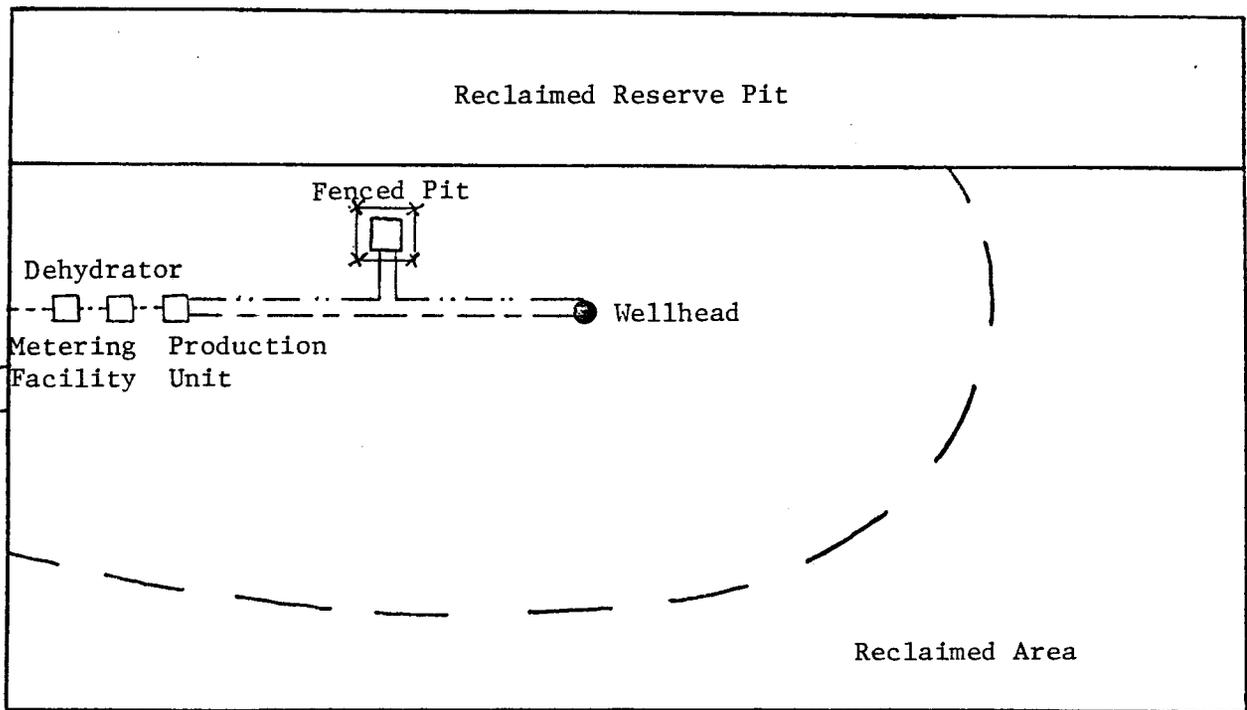


Proposed  
Access Road

Proposed  
BMG Federal #5

Exhibit 5  
Planned Access Road  
Map Source: Jim Canyon  
7.5' USGS Quad





Scale: 1"=50'

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

TXO PRODUCTION CORP.

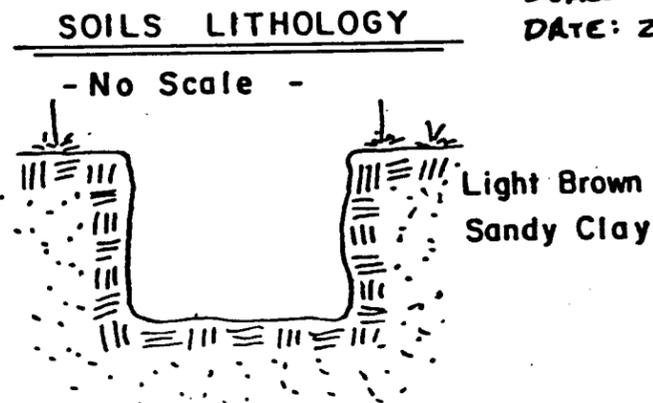
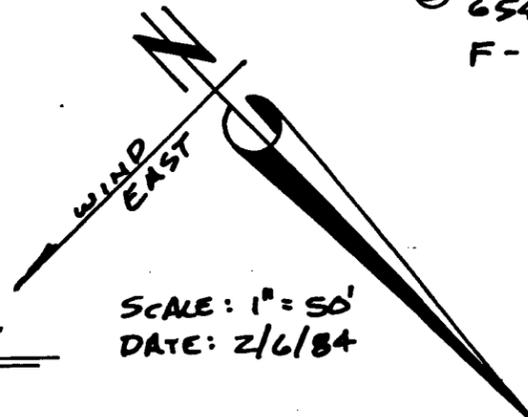
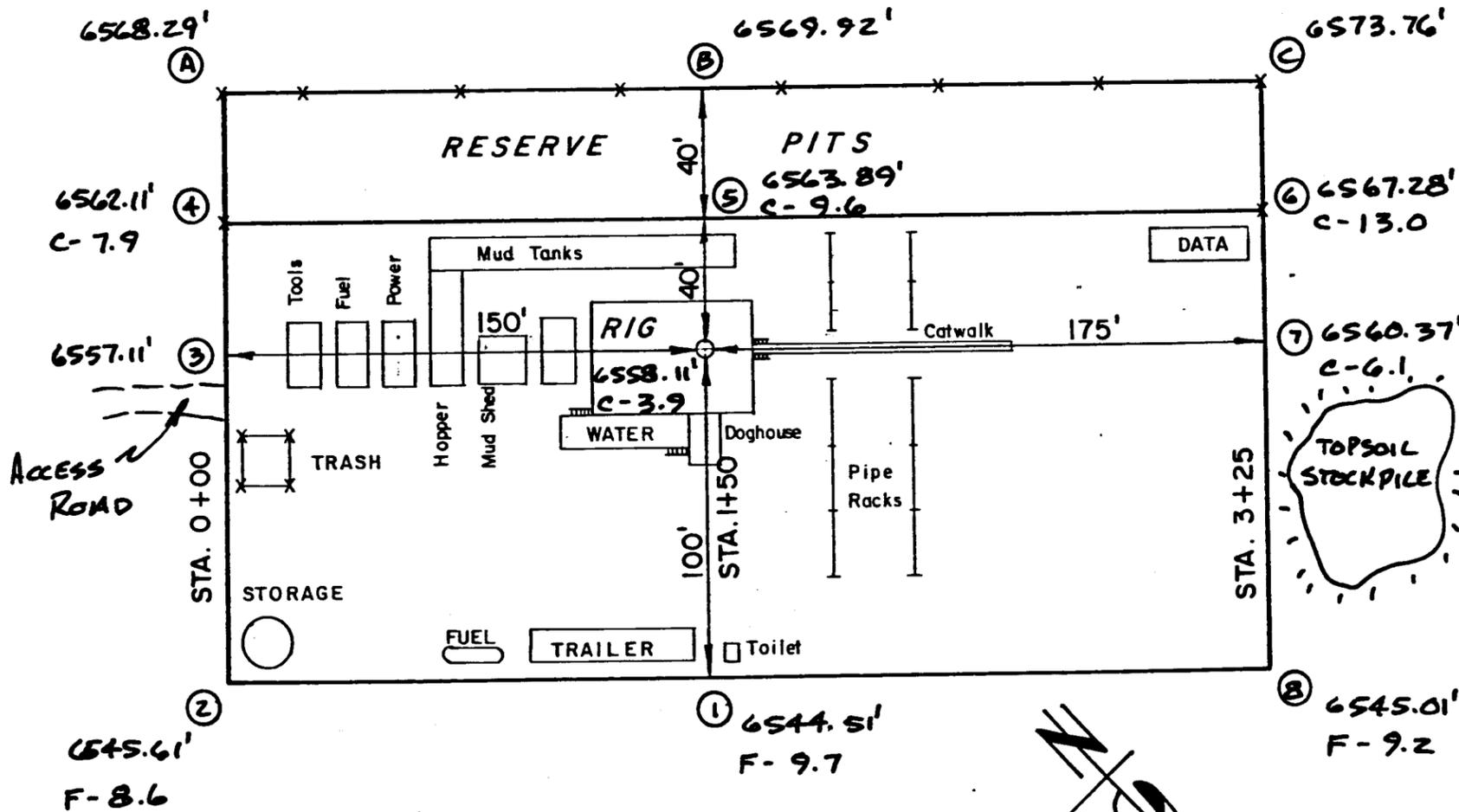
BMG Federal #5

PRODUCTION FACILITIES

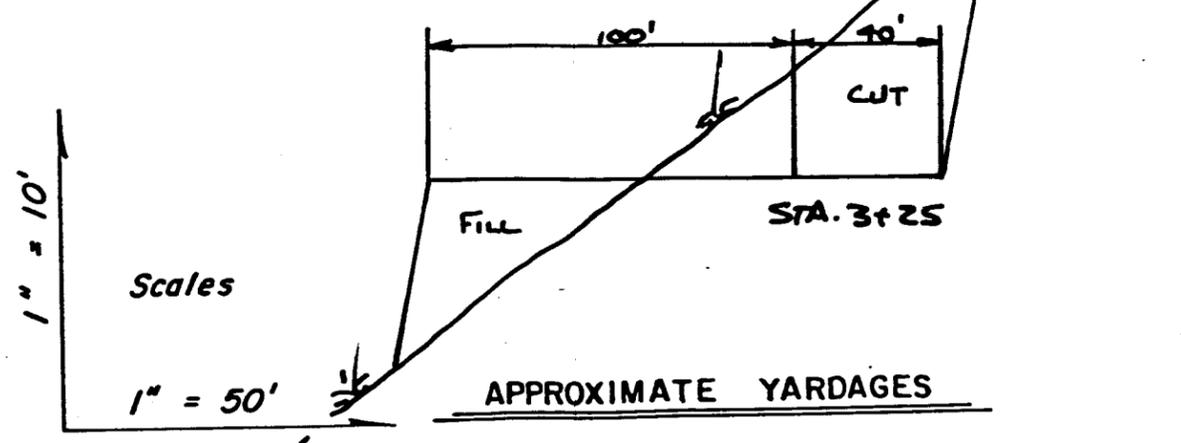
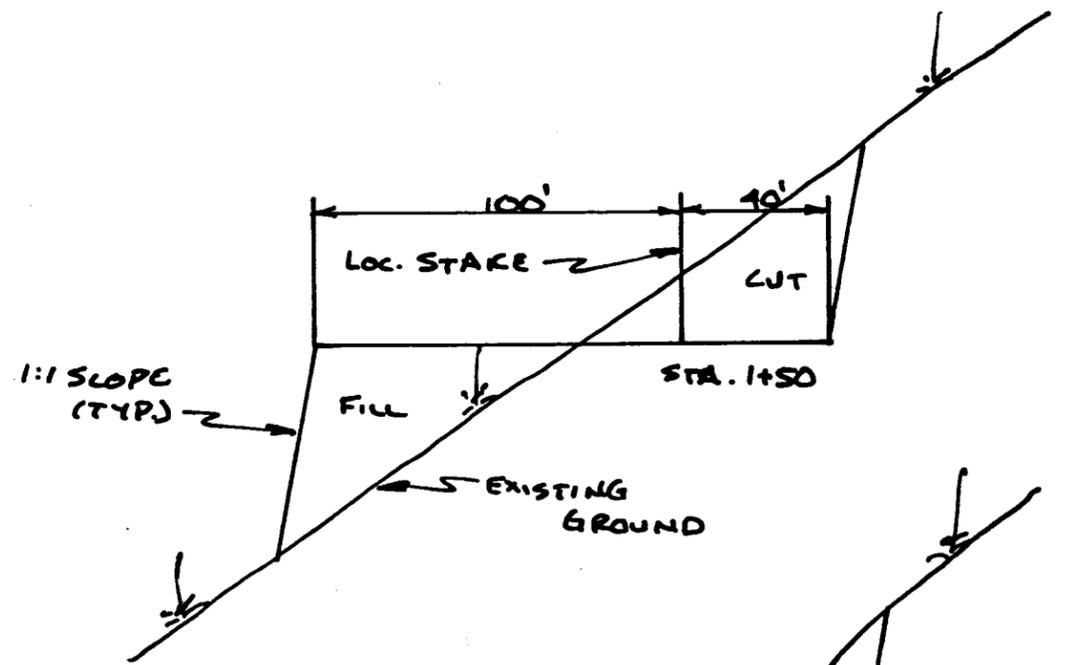
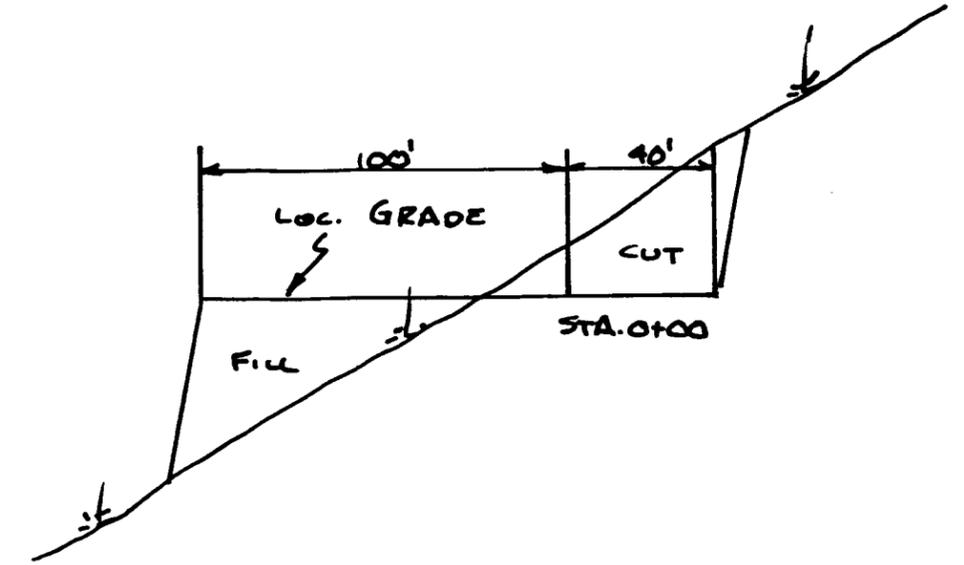
Exhibit 7

# TXO PRODUCTION CORP.

## BMG # 5



C  
R  
O  
S  
S  
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C  
T  
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O  
N  
S



Scales

1" = 50'

APPROXIMATE YARDAGES

Cu. Yds. Cut - 5265  
Cu. Yds. Fill - 4830

OPERATOR TXO Production Corp DATE 2-17-84

WELL NAME BMG Fed. #5

(and) (BTL) NW 3/4 NW 3/4 8 7 T 16S R 26E COUNTY Grand

43-019-31131  
API NUMBER

Fed.  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX  MAP  HL

NID  PI

PROCESSING COMMENTS:

Water & - (Colorado)

CHIEF PETROLEUM ENGINEER REVIEW

2/10/84 Exception due to topography for location etc.  
BTL is an exception to 2500' between wells as  
referenced in Order # 107-1.

APPROVAL LETTER:

Committing of K-2 and J-1 is not authorized.

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

c-3-a 107-1 2/11/85  
CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

1 -> Directional Drilling

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER: 107-1 2/11/65

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.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

February 20, 1984

TXO Production Corporation  
Attn: Terry Blankenship  
1800 Lincoln Center Bldg.  
Denver, Colorado 80264

RE: Well No. BMG Federal #5  
(Surface) NWSW Sec. 8, T.16S, R. 26E  
1375' FSL, 11' FWL  
(BHL) NWSE Sec. 7, T. 16S, R. 26E  
2000' FSL, 1250' FEL  
Grand County, Utah

Dear Mr. Blankenship:

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 107-1 dated February 11, 1968 subject to the following stipulations:

1. Submittal of directional drilling data upon completion of drilling operations to properly ascertain the location of the producing information.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, 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.

IAU PRODUCTION CORPORATION  
Well No. BMG Federal #5  
February 21, 1984

The API number assigned to this well is 43-019-31131.

Sincerely,



R. J. Firth  
Chief Petroleum Engineer

RJF/as  
cc: Branch of Fluid Minerals  
Enclosures

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: Terry Blankenship (303) 861-4246

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1375' FSL, 11' FWL Section 8-T16S-R26E  
 At proposed prod. zone Dakota Sands: 2000' FSL, 1250' FEL Sec. 7-T16S-R26E  
 Total Depth: 2056' FSL, 1363' FEL Sec. 7-T16S-R26E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approx. 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)  
 2450'

16. NO. OF ACRES IN LEASE  
 2560

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.  
 2290'

19. PROPOSED DEPTH  
 5550 TVD

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6558' GR

22. APPROX. DATE WORK WILL START\*

5. LEASE DESIGNATION AND SERIAL NO.  
 U-05015-A

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

7. UNIT AGREEMENT NAME  
 ---

8. FARM OR LEASE NAME  
 BMG Federal

9. WELL NO.  
 #5

10. FIELD AND POOL, OR WILDCAT  
 San Arroyo

11. SEC., T., E., M., OR QLK. AND SURVEY OR AREA  
 Surf: Sec. 8-T16S-R26E  
 TD: Sec. 7-T16S-R26E

12. COUNTY OR PARISH  
 Grand

13. STATE  
 Utah

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#	2116' MD	150 sacks
6-1/4"	4-1/2"	10.5#	2065' TVD	125 sacks
			5791' MD	
			5550' TVD	

TXO Production Corp. proposes to directionally drill the subject well using an angle building rate of 20/100' in accordance with the table below.

	TVD	Deviation	Angle	MD
Kickoff depth	500'	0.0'	0.0°	500'
Angle established	1410'	148'	18.3°	1426'
Initial objective	5168'	1407'	18.3°	5389'
Total depth	5550'	1533'	18.3°	5791'

The initial target (Dakota Sands) is located 2000' FSL, 1250' FEL of Section 7-T16S-R26E and is planned with a 250' target radius to comply with applicable state spacing regulations.

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

24. SIGNED R.E. Dashner TITLE District Drilling Manager DATE \_\_\_\_\_  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY /s/ GENE NODINE TITLE DISTRICT MANAGER DATE 29 MAR 1984  
 CONDITIONS OF APPROVAL, IF ANY:

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

CONDITIONS OF APPROVAL ATTACHED

T16S , R26E , S.L.B.&M.

PROJECT  
TXO PRODUCTION CORP.

Well location, **BMG # 5**, located  
as shown in the NW1/4 SW1/4  
Section 8, T16S, R26E, S.L.B.&M.  
Grand County, Utah.

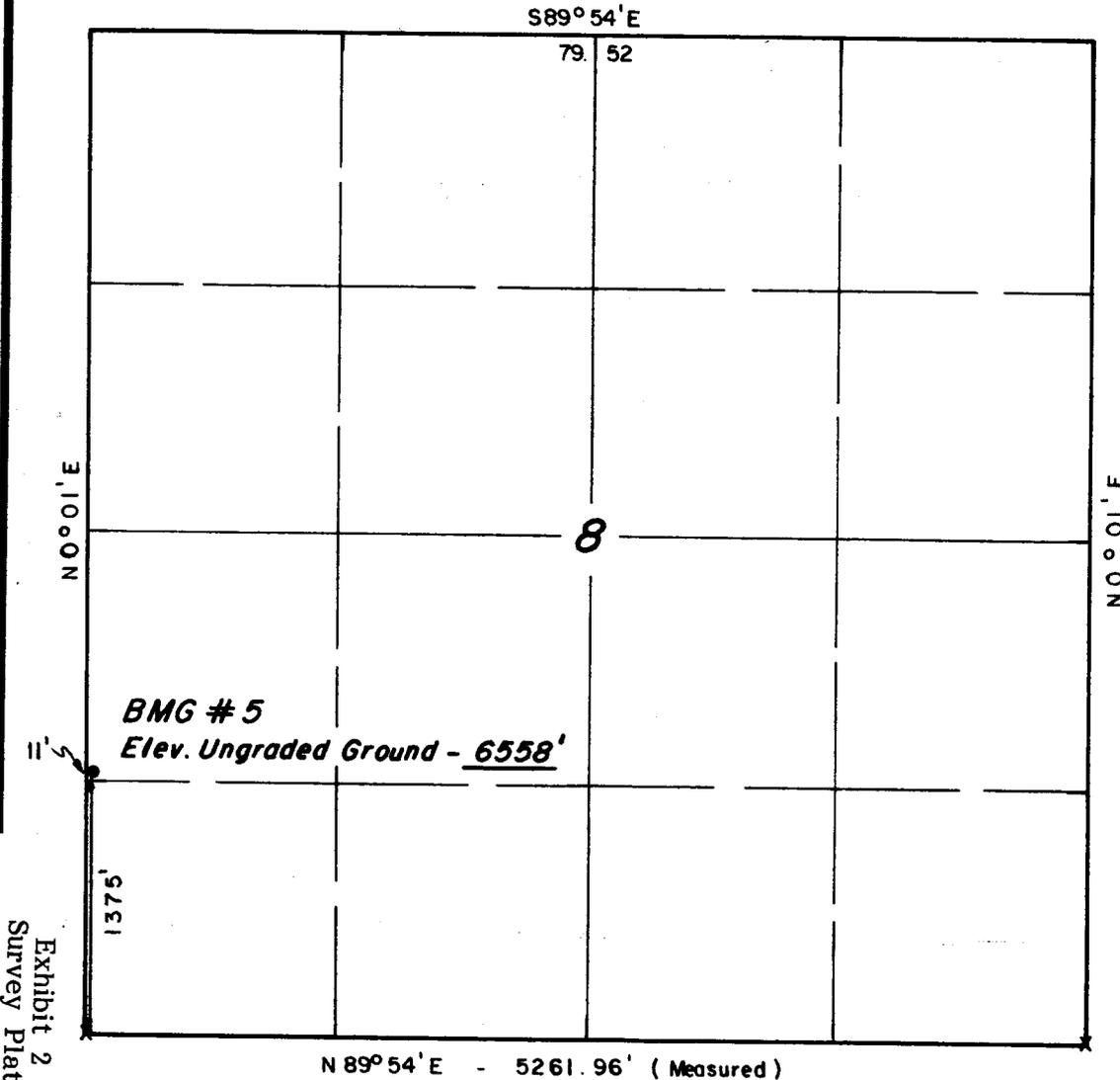


Exhibit 2  
Survey Plat



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.

*[Handwritten 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	2/6/84
PARTY	DB BK GS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	TXO

N 89° 54' E - 5261.96' ( Measured )

X = Section Corners Located

TXO Production Corporation  
Well: BMG Federal #5  
Surf: Sec. 8, T. 16S., R. 26E.  
TD: Sec. 7, T. 16S., R. 26E.  
Grand County, Utah  
U-05015

Supplemental Stipulations and  
Conditions Of Approval

1. Vegetation including the trees will be bladed off and stockpiled with the top 12 inches of topsoil.
2. If applicable, snow from the location will be bladed off to the north-northwest.
3. The seed list from the TXO BMG #2 well will be used for this location.
4. 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 to the field representative and dirt contractor to insure compliance.
5. All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.
6. 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. Preventors will be pressure tested before drilling casing cement plugs.
7. Blooie line will be misted to reduce fugitive dust when air drilling.
8. 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 15 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, 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 District Manager.

9. 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 District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
10. The spud date will be reported orally to the Area Manager within 24 hours prior to spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the first regular work day before the spudding occurs.
11. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P.O. Box 2859, Casper, Wyoming 82602, and a copy forwarded to the Moab BLM District Office, P.O. Box 970, Moab, Utah 84532.
12. 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 District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
13. Should the well be successfully completed for production, the District Manager 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 the first business day following the date on which the well is placed on production.
14. No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Manager. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the District Manager 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 District Manager or his representative, or the appropriate Surface Managing Agency.
15. A first production conference will be scheduled within 15 days after receipt of the first production notice.
16. Upon completion of approved plugging, erect the regulation marker in accordance with 43 CFR 3162.2 and clean up the location. The marker should not be less than 4 inches in diameter and extend approximately

4 feet above general ground level. Heap up dirt around the base of the marker about 18 inches to take care of any settling of the cellar. The top of the marker must be closed or capped.

The following minimum information shall be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:

"Fed" or "ind", as applicable.

"Well number, location by  $\frac{1}{4}$  section, township and range."

17. All permanent (on site for six months or longer) structures constructed or installed (including oil well pump jacks 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. Suitable colors would be Juniper Green.
18. All produced liquids must be contained, including the dehydrator vent/condensate line effluent.
19. All loading lines will be placed inside the berm surrounding the tank battery.
20. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
21. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.
22. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
23. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the well head to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
24. 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 District Manager 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 Moab District office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
25. A copy of the gas sales contract will be provided to this office and the Royalty Accounting Department.

26. Produced waste water will be contained to a unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.
27. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. 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.
28. "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.
29. A cultural resource clearance will not be required before any construction begins. If any cultural resources are found during construction, all work will stop and the Area Manager will be notified.
30. This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

ONSITE

DATE: February 28, 1984

PARTICIPANTS:

TITLES:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216

City: Moab State: Utah

Resource Area Manager's address and contacts are:

Address: Old Sand Flat Road, P.O. Box M, Moab, Utah 84532

Your contact is: Wayne Svejnoha

Office Phone: 801-259-8193

DIVISION OF OIL, GAS AND MINING

*Water  
2*

SPUDDING INFORMATION

NAME OF COMPANY: TXO PRODUCTION CORP.

WELL NAME: BMG FED. 25

BHL: SECTION NESE 7 TOWNSHIP 16S RANGE 26E COUNTY GRAND

DRILLING CONTRACTOR VECO

RIG # 9

SPUDDED: DATE 5-4-84

TIME 4:00 PM

How Rotary

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

REPORTED BY Mark Retasky

TELEPHONE # 303-861-4246

DATE 5-7-84 SIGNED \_\_\_\_\_ GL \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED

MAY 21 1984

DIVISION OF OIL  
GAS & MINING

5. LEASE  
OIL-05015  
INDIAN, ALLOTTEE OR TRIBE NAME

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: 1375' FSL & 11' FWL - 6-16S-26E  
AT TOP PROD. INTERVAL: 2000' FSL & 1250' FEL -Sec 7  
AT TOTAL DEPTH: 2056' FSL & 1363' FEL, Sec. 7

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) report of spud.			

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
BMG Federal

9. WELL NO.  
#5

10. FIELD OR WILDCAT NAME  
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 8, T16S-R26E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31131

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6558' 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 has spudded the above well @ 4 PM 5/4/84 w/ 12-1/4" bit.  
Contractor is Veco Rig #9.

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

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

SIGNED Mark E. Kinsey TITLE Petroleum Engineer DATE 5/14/84

(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**

JUN 8 1984

DIVISION OF OIL  
GAS & MINING

June 6, 1984

DIVISION OF OIL, GAS, & MINING  
4241 State Office Building  
Salt Lake City, Utah 84114Attn: Mr. Cleon B. Feight  
DirectorRE: BMG FEDERAL #5  
Section 8, T16S-R26E (Surf)  
Section 7, T16S-R26E (T.D.)  
Grand County, Utah

Dear Mr. Feight:

Enclosed find two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log" and copies of the well history and directional surveys for the above referenced well.

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

Sincerely,

TXO PRODUCTION CORP.

Mark E. Repasky  
Petroleum EngineerMER/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.

7  
12

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

RECEIVED

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other JUN 8 1984

2. NAME OF OPERATOR TXO PRODUCTION CORP. DIVISION OF OIL

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1375' FSL & 11' FWL, Sec. 8, T16S-R26E NWSW  
At top prod. interval reported below 2049' FSL & 1160' FEL, Sec. 7, T16S-R26E NESE  
At total depth 2058' FSL & 1166' FEL, Sec. 7, T16S-R26E

14. PERMIT NO. 43-019-31131 | DATE ISSUED

15. DATE SPUNDED 5/4/84 | 16. DATE T.D. REACHED 5/14/84 | 17. DATE COMPL. (Ready to prod.) 5/24/84 | 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)\* 6574' KB | 19. ELEV. CASINGHEAD 6558'

20. TOTAL DEPTH, MD & TVD 5724' MD-5499' TVD | 21. PLUG, BACK T.D., MD & TVD 5696' MD-5472' TVD | 22. IF MULTIPLE COMPL., HOW MANY\* N/A | 23. INTERVALS DRILLED BY → X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Buckhorn 5634-5652' MD  
5409-5427' TVD

26. TYPE ELECTRIC AND OTHER LOGS RUN ~~DLL-GR.~~ ~~COL-SNL-GR.~~ Caliper

25. WAS DIRECTIONAL SURVEY MADE Yes

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
9-5/8"	36#	346'	12-1/4"	100 sxs 50/50 poz, 60 sxs	Cl "G" (none)
7"	20#	2101'	8-3/4"	75 sxs 50/50 poz, 75 sxs	Cl "G" (none)
4-1/2"	10.5#	5722'	6-1/4"	150 sxs Cl "G"	(none)

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5561'	N/A

31. PERFORATION RECORD (Interval, size and number)  
5634-5652', .36" dia, 15 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5634-5652'	2500 gals 10% HCL acid

33.\* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/24/84	18 hrs	29/64"	→	0	640		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
155#	200#	→	0	854 MCFD	0	N/A

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

35. LIST OF ATTACHMENTS Directional Survey & Well History

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

SIGNED Mark C. Reynolds TITLE Petroleum Engineer DATE 6/6/84

\*(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 35, below regarding separate reports for separate completions.

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

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

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

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**37. SUMMARY OF 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		DESCRIPTION, CONTENTS, ETC.	BOTTOM		GEOLOGIC MARKERS		
	DEPTH	MEAS. DEPTH		DEPTH	MEAS. DEPTH	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Buckhorn	5634'	MD	gas	5652'	MD	Dakota	5455'	5232'
						4th Dakota	5550'	5325'
						Buckhorn	5624'	5401'
						Morrison	5654'	5435'

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: 1375' FSL & 11' FWL, Sec. 8  
AT TOP PROD. INTERVAL: 2049' FSL & 1160' FEL, 7  
AT TOTAL DEPTH: 2058' FSL & 1166' FEL, Sec. 7

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) <b>well history</b>			

5. LEASE  
**U-05015**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**BMG Federal**

9. WELL NO.  
**#5**

10. FIELD OR WILDCAT NAME  
**San Arroyo**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Surf: **8-16S-26E**  
T.D.: **7-16S-26E**

12. COUNTY OR PARISH  
**Grand**

13. STATE  
**Utah**

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
**6574' KB**

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

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

Please find attached the well history on the above well.

**RECEIVED**

JUN 8 1984

DIVISION OF OIL  
GAS & MINING

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

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

SIGNED *Mark E. Reynolds* TITLE Petroleum Engineer DATE 6/6/84

(This space for Federal or State office use)

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

1 .CUSTOMER :T.X.O. PRODUCTION COMPANY

2 .WELL # :BMC FEDERAL NO. 5

3 .LOCATION :GRAND COUNTY, UTAH

4 .DATE :MAY 5, 1984

5 .JOB TYPE :DIRECT'L CONTROL

6 .JOB # :D-2172

7 .SURVEYGR :RALPH NICKEL

8 .DEPTHS :0

9 .DECL. :14 DEGREES EAST

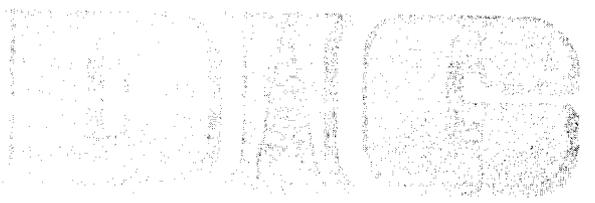
10.ELEV. :0

11.FILE # :RM-D4

RADIUS OF CURVATURE METHOD

PLANE OF PROPOSAL: N 63.64 W

PRINT FORMAT='DECIMAL DEGREES'



BMG # 5

```

*****
* THIS SURVEY IS CORRECT TO THE *
* BEST OF MY KNOWLEDGE AND IS *
* SUPPORTED BY ACTUAL FIELD DATA.*
* *
* *
* COMPANY REPRESENTATIVE *
*****

```

\*\*\*\*\*  
FINAL STATION DATA:

MEASURED DEPTH FEET	INCLINATION ANGLE DEG.	HOLE DIRECTION DEG.	COURSE LENGTH FEET	TRUE		VERTICAL SECTION FEET	RECTANGULAR COORDINATES N/S	E/W	DOGLEG SEVERITY DG/100F
				VERTICAL DEPTH FEET	SUBSEA DEPTH FEET				
5724.00	5.75	N 32.00 W	166.00	5499.03	5499.03	1358.10	683.03 N	1177.20 W	1.35

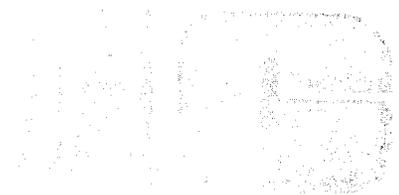
CLOSURE DIRECTION DISTANCE  
N 59.88 W 1361.00

\*\*\*\*\*

MEASURED DEPTH FEET	INCLINATION ANGLE DEG.	HOLE DIRECTION DEG.	COURSE LENGTH FEET	TRUE		VERTICAL SECTION FEET	R E C T A N G U L A R		DOGLEG SEVERIT DG/100F
				DEPTH FEET	SUBSEA DEPTH FEET		C O O R D I N A T E S		
						N/S		E/W	
0.00	0.00	N 00.00 E	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00
310.00	.75	S 84.00 E	310.00	309.99	309.99	-1.90	.21 S	2.02 E	.24
494.00	.25	S 84.00 E	184.00	493.98	493.98	-3.41	.38 S	3.61 E	.27
543.00	1.25	N 51.00 W	49.00	542.98	542.98	-3.38	.06 N	3.80 E	2.99
574.00	2.00	N 63.00 W	31.00	573.97	573.97	-2.50	.54 N	3.06 E	2.64
495.00	3.00	N 70.00 W	31.00	604.94	604.94	-1.15	1.09 N	1.82 E	3.37
516.00	4.00	N 69.00 W	31.00	635.88	635.88	.73	1.74 N	.05 E	3.23
668.00	4.75	N 78.00 W	32.00	667.78	667.78	3.13	2.44 N	2.29 W	3.17
699.00	5.75	N 78.00 W	31.00	698.65	698.65	5.88	3.02 N	5.06 W	3.23
730.00	6.25	N 69.00 W	31.00	729.48	729.48	9.07	3.94 N	8.17 W	3.43
762.00	7.25	N 65.00 W	32.00	761.26	761.26	12.82	5.41 N	11.63 W	3.45
806.00	9.00	N 69.00 W	44.00	804.82	804.82	19.03	7.84 N	17.35 W	4.18
837.00	9.50	N 69.00 W	31.00	835.42	835.42	23.99	9.63 N	22.00 W	1.61
898.00	10.25	N 70.00 W	61.00	895.51	895.51	34.40	13.29 N	31.99 W	1.26
961.00	11.25	N 70.00 W	63.00	957.40	957.40	46.08	17.31 N	42.84 W	1.59
1053.00	12.25	N 76.00 W	92.00	1047.48	1047.48	64.69	23.72 N	60.45 W	1.09
1147.00	14.00	N 68.00 W	94.00	1139.02	1139.02	85.95	31.37 N	80.37 W	1.92
1240.00	16.00	N 69.00 W	93.00	1228.84	1228.84	109.93	40.19 N	102.77 W	2.17
1331.00	17.00	N 71.00 W	91.00	1316.10	1316.10	135.62	49.03 N	127.06 W	1.26
1424.00	18.25	N 72.00 W	93.00	1404.73	1404.73	163.51	57.96 N	153.76 W	1.38
1515.00	19.00	N 73.00 W	91.00	1490.96	1490.96	192.23	66.70 N	181.48 W	.90
1608.00	20.15	N 76.00 W	93.00	1578.58	1578.58	222.82	75.03 N	211.50 W	1.64
1708.00	21.75	N 77.00 W	92.00	1664.50	1664.50	254.89	82.71 N	243.49 W	1.78
1769.00	22.00	N 78.00 W	69.00	1728.53	1728.53	279.85	88.27 N	268.58 W	.65
1862.00	23.00	N 80.00 W	93.00	1814.45	1814.45	314.16	95.06 N	303.51 W	1.35
1955.00	23.75	N 81.00 W	93.00	1899.82	1899.82	349.47	101.15 N	339.98 W	.91
2050.00	24.75	N 82.00 W	95.00	1986.43	1986.43	386.61	106.92 N	378.49 W	1.14
2180.00	26.50	N 84.00 W	130.00	2103.64	2103.64	439.65	113.77 N	434.29 W	1.50
2231.00	28.00	N 77.00 W	51.00	2148.98	2148.98	461.98	117.62 N	457.31 W	6.93
2252.00	29.00	N 72.00 W	31.00	2176.23	2176.23	476.51	121.57 N	471.56 W	8.34

MEASURED DEPTH FEET	INCLINATION ANGLE DEG.	HOLE DIRECTION DEG.	COURSE LENGTH FEET	TRUE		VERTICAL SECTION FEET	RECTANGULAR COORDINATES		DOGLEG SEVERITY DG/100F
				DEPTH FEET	SUBSEA DEPTH FEET		N/S	E/W	
2295.00	28.25	N 66.00 W	33.00	2205.19	2205.19	492.24	127.23 N	486.31 W	9.00
2326.00	27.25	N 61.00 W	31.00	2232.63	2232.63	506.66	133.67 N	499.22 W	8.17
2352.00	26.50	N 56.00 W	26.00	2255.82	2255.82	518.37	139.81 N	509.24 W	9.16
2403.00	27.00	N 52.00 W	51.00	2301.36	2301.36	541.00	153.30 N	527.81 W	3.66
2465.00	26.50	N 53.00 W	62.00	2356.72	2356.72	568.39	170.29 N	549.95 W	1.09
2527.00	26.25	N 53.00 W	62.00	2412.27	2412.27	595.45	186.87 N	571.95 W	.40
2592.00	25.25	N 53.00 W	92.00	2495.13	2495.13	634.73	210.92 N	603.87 W	1.09
2710.00	24.25	N 56.00 W	91.00	2577.77	2577.77	672.34	233.04 N	634.88 W	1.76
2801.00	22.75	N 56.00 W	91.00	2661.22	2661.22	708.30	253.33 N	664.96 W	1.65
2893.00	21.00	N 55.00 W	92.00	2746.60	2746.60	742.23	272.74 N	693.21 W	1.94
2986.00	19.25	N 56.00 W	93.00	2833.91	2833.91	773.90	290.86 N	719.58 W	1.92
3080.00	18.00	N 55.00 W	94.00	2922.99	2922.99	803.62	307.86 N	744.32 W	1.37
3172.00	17.00	N 57.00 W	92.00	3010.73	3010.73	831.03	323.33 N	767.25 W	1.27
3263.00	15.25	N 59.00 W	91.00	3098.15	3098.15	856.18	336.72 N	788.68 W	2.02
3356.00	13.75	N 61.00 W	93.00	3188.18	3188.18	879.41	348.36 N	808.84 W	1.70
3449.00	12.25	N 68.00 W	93.00	3278.80	3278.80	900.32	357.36 N	827.71 W	2.34
3521.00	14.00	N 62.00 W	72.00	3348.91	3348.91	916.66	364.27 N	842.52 W	3.08
3552.00	15.00	N 58.00 W	31.00	3378.92	3378.92	924.40	368.15 N	849.24 W	4.56
3583.00	16.25	N 54.00 W	31.00	3408.78	3408.78	932.67	372.82 N	856.16 W	5.32
3610.00	17.50	N 51.00 W	27.00	3434.62	3434.62	940.37	377.59 N	862.38 W	5.64
3704.00	19.25	N 51.00 W	94.00	3523.82	3523.82	969.28	396.24 N	885.41 W	1.86
3797.00	18.50	N 50.00 W	93.00	3611.82	3611.82	998.58	415.38 N	908.62 W	.88
3922.00	15.75	N 50.00 W	125.00	3731.26	3731.26	1034.30	439.04 N	935.81 W	2.20
4015.00	14.25	N 50.00 W	93.00	3821.09	3821.09	1057.70	454.51 N	955.25 W	1.61
4108.00	13.75	N 49.00 W	93.00	3911.33	3911.33	1079.50	469.12 N	972.36 W	.60
4202.00	12.75	N 50.00 W	94.00	4002.83	4002.83	1100.40	483.11 N	988.74 W	1.09
4295.00	12.25	N 50.00 W	93.00	4093.62	4093.62	1120.00	496.05 N	1004.20 W	.54
4390.00	12.25	N 46.00 W	95.00	4186.46	4186.46	1139.50	509.53 N	1019.20 W	.89
4484.00	11.75	N 46.00 W	94.00	4278.40	4278.40	1158.10	523.11 N	1033.30 W	.53
4577.00	11.25	N 49.00 W	93.00	4369.54	4369.54	1176.00	535.63 N	1047.00 W	.84

MEASURED DEPTH FEET	INCLINATION ANGLE DEG.	HOLE DIRECTION DEG.	COURSE LENGTH FEET	TRUE		VERTICAL SECTION FEET	R E C T A N G U L A R		DOGLEG SEVERIT DG/100F
				VERTICAL DEPTH FEET	SUBSEA DEPTH FEET		C O O R D I N A T E S N/S	E/W	
4702.00	11.25	N 45.00 W	125.00	4492.13	4492.13	1199.30	552.26 N	1064.80 W	.62
4827.00	10.75	N 45.00 W	125.00	4614.84	4614.84	1221.90	569.13 N	1081.70 W	.40
4953.00	10.75	N 42.00 W	126.00	4738.63	4738.63	1244.00	586.18 N	1097.90 W	.44
5077.00	10.75	N 44.00 W	124.00	4860.45	4860.45	1265.70	603.09 N	1113.70 W	.30
5201.00	10.75	N 40.00 W	124.00	4982.27	4982.27	1287.20	620.27 N	1129.20 W	.60
5263.00	11.25	N 39.00 W	62.00	5043.13	5043.13	1298.00	629.40 N	1136.70 W	.86
5300.00	10.00	N 46.00 W	77.00	5118.81	5118.81	1311.20	639.86 N	1146.30 W	2.33
5434.00	9.75	N 35.00 W	94.00	5211.56	5211.56	1325.20	651.49 N	1156.20 W	2.32
5558.00	8.00	N 34.00 W	124.00	5334.23	5334.23	1341.00	666.37 N	1166.40 W	.62
5724.00	5.75	N 32.00 W	166.00	5499.03	5499.03	1358.10	683.03 N	1177.20 W	1.36



T. X. O. PRODUCTION COMPANY

WELL #  
BMG FEDERAL NO. 5

LOCATION  
GRAND COUNTY, UTAH

DATE  
MAY 5, 1984

JOB TYPE  
DIRECT'L CONTROL

JOB #  
D-2172

SURVEYOR  
RALPH NICKEL

DEPTHS  
0

DECL.  
14 DEGREES EAST

ELEV.  
0

FILE #  
RM-D4

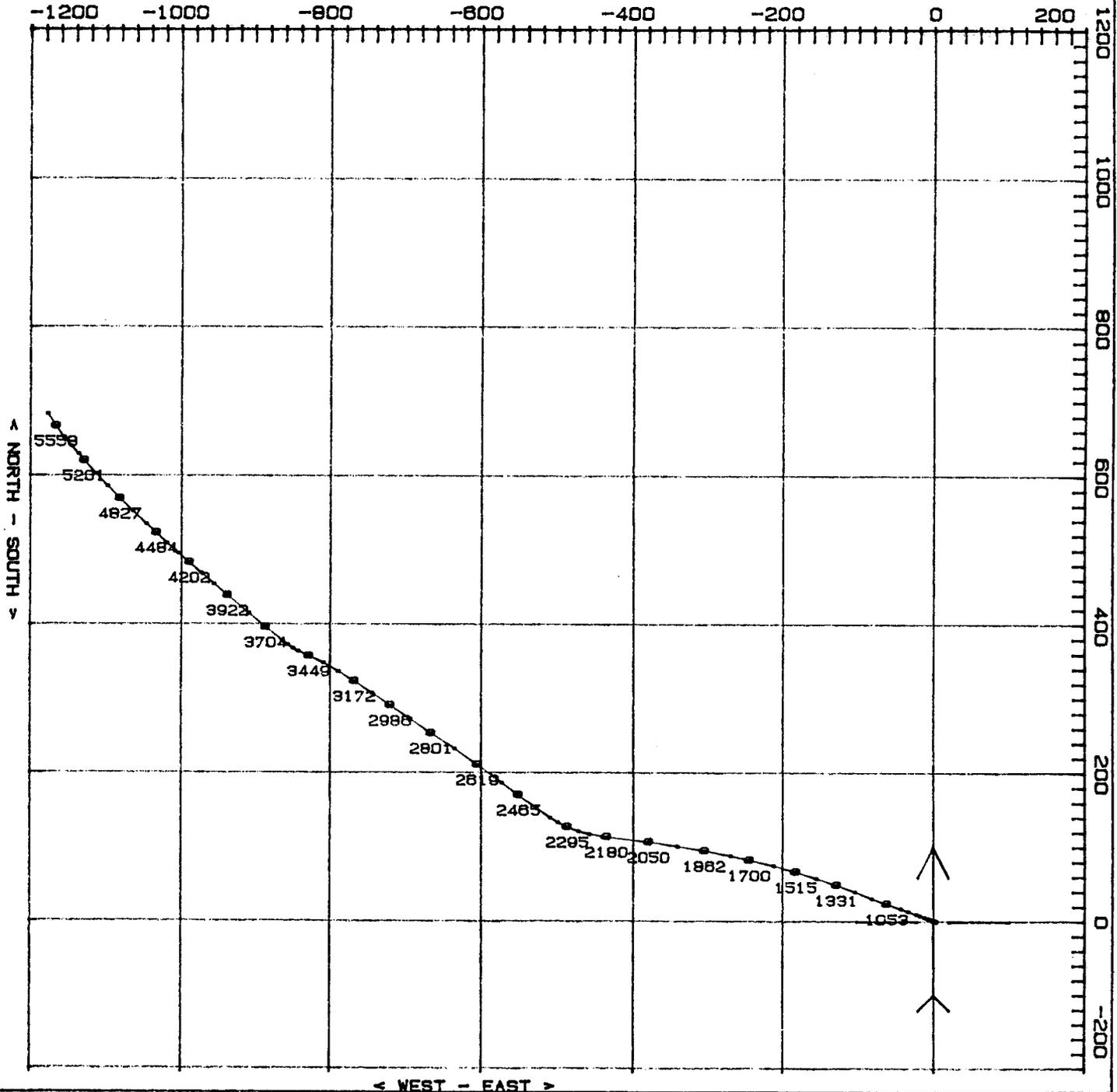
\*\*\*\*\*

FINAL STATION DATA:

MD. 5724  
TVD. 5499.03  
N/S 689.03  
E/W -1177.2

CLOSURE DIRECTION  
N 59.88 W  
CLOSURE DISTANCE  
1361

1 IN. = 200 FT.



< WEST - EAST >

WELL NAME:	BMG Federal #5	PTD:	5550' TVD & 5791' MD
AREA:	San Arroyo	ELEVATIONS:	6574' KB, 6558' GL
LOCATION:	Section 8, T16S-R26E	CONTRACTOR:	Veco #9
COUNTY:	Grand	AFE NUMBER:	841971
STATE:	Utah	LSE NUMBER:	73936
FOOTAGE:	1375' FSL & 11' FWL	TXO WI:	75%

\*\*\*\*\*

- 05/20/84 5696' PBTD, MIRUCT. ND tree. PU 3-7/8" bit, csg scraper, SSN, 2-3/8" tbg. TIH. Tag PBTD @ 5696'. NU BOP. Pump 60 bbls 2% KCL wtr w/ 1 gal per 1000 surfactant dn annulus. PT csg to 3000# for 15 min, held OK. Swab FL dn to 3500', 6 runs. Strap out of hole. SDFN. DW: 33,942. CW: 286,462.
- 05/21/84 5696' PBTD, SDFS. DW: 0. CW: 286,462.
- 05/22/84 5724' PBTD, RU Gearhart. TIH w/ GR-CCL. Run correlation strip to 5000'. TIH w/ 3-1/8" csg gun. Correlate and perf 5634', 36', 38', 40', 42-52', 1 JSPF, 15 holes. TOOH. LD gun. RD Gearhart. No blow. PU & TIH w/ model "R" pkr on 2-3/8", 4.7# tbg. Set pkr @ 5558'. PT backside to 2000# for 10 min, OK. RU swab. Made 3 swab runs. Tbg dry. Well blowing slightly. RU Nowsco. Acidize perfs w/ 25,000 scf N<sub>2</sub> pad, 2500 gals 10% HCL w/ additives w/ 45 (7/8") RCN ball sealers. Mx press 5800#. Mx rate 8 BPM (combined). ATP 3000#, AIR 8 BPM. Broke @ 3800#. ISIP 5200#, 5 min 3800#, 10 min 2760#, 15 min 2190#. Achieved ball off. Surge balls off. RU & flow to pit. LWOTP on 2" line. Light mist. SDFN. (80,000 scf N<sub>2</sub> total.) Test for 30 min this AM on 1" orifice plate. 35# FTP. Est 1 MMCFD w/ light mist. BLWTBR 20. DW: 12,500. CW: 298,962.
- 05/23/84 5696' PBTD, well flowed to pit on 1" orifice to 11 AM @ 28#, est 900 MCFD. Unset pkr, make three wiper runs through perfs. TOOH. PU notched collar, 1 jt tbg, & SSN. TIH w/ 86 stnds & 3' blast jt. ND BOP's. Land tbg @ 5561' KB. NU wellhead. RU swab. Made 20 swab runs, rec approx 48 BLW. Well kicked off. LWOTP on full 2" w/ light mist. SDFN. This AM FTP 10#, SICP 140#. Flowing on 2" line w/ light mist, 20' flare, est 1 MMCFD. BLWTBR 20. DW: 7800. CW: 306,762.
- 05/24/84 5696' PBTD, flow test well on 2" line. FTP 10#, SICP 170#, light mist @ 12 PM. Put well on 30/64" ch. In 1 hr FTP 130#, SICP 200#. Set ch @ 29/64". Release rig crew. LWOTP. This AM FTP 165#, SICP 200#. Stabilized flow for 7 hrs, 972 MCFD, very light mist. DW: 1850. CW: 308,612.
- 05/25/84 5696' PBTD, open perfs 5634-52', 15 holes. Buckhorn. Well flowing to pit very light mist. Stabilized @ FTP 155#, SICP 200# for 18 hrs on 29/64". 854 MCF/ day. Rel rig @ 9:00 A.M. 5/24/84. IP 854 MCF/ day @ 155 psi FTP. SI Buckhorn gas well. WOPL. DW: 2550. CW: 311,162.



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TXO PRODUCTION CORP.  
 P. O. BOX 2690  
 CODY WY 82414  
 ATTN: R. P. MEABON

Utah Account No. N1580  
 Report Period (Month/Year) 12 / 90  
 Amended Report

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
BMG FEDERAL #4 U-05015-A 4301931130 06792 16S 26E 17	DKTA ✓				
BMG FEDERAL #5 U-05015 4301931131 06793 16S 26E 7	BUKHN ✓				
BMG FEDERAL #7 U-05015-A 4301931183 06794 16S 26E 17	DKTA ✓				
OTL SPRINGS UNIT 7 U-16756 4304731248 06795 12S 24E 4	WSTO ✓		Need successor to unit operator (TXO to Marathon)		
TOC TXO POGO USA 15-9 U-49535 4301930779 09155 17S 24E 15	DKTA ✓				
EVACUATION CREEK STATE #23-2-1 ML-15566 4304715675 09605 12S 25E 2	DKTA ✓				
CROQUET FEDERAL #1 U-38404 4304731440 09635 06S 21E 35	UNTA ✓				
CROQUET FEDERAL #2 U-53862 4304731672 09636 06S 21E 35	UNTA ✓				
WELLS FEDERAL "A" #1 U-54198 4304731603 09841 11S 23E 12	MVRD ✓				
SHUFFLEBOARD FEDERAL #1 U-31255 4304731668 09842 06S 21E 27	UNTA ✓				
STIRRUP FEDERAL 28-1 U-34711 4304731571 10182 06S 21E 28	GR-WS ✓				
STIRRUP STATE #32-4 ML-22036 4304731648 10183 06S 21E 32	UNTA ✓				
CRACKER FEDERAL #3 U-54193 4304731689 10581 11S 23E 5	WSTCL ✓				
TOTAL					

Comments (attach separate sheet if necessary) \* Evacuation Creek - Terminated eff. 1-24-91.

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_

Routing:	
1- LCR	<i>[initials]</i>
2- DTB	<i>[initials]</i>
3- VLC	<i>[initials]</i>
4- RJF	<i>[initials]</i>
5- RWM	<i>[initials]</i>
6- LQR	<i>[initials]</i>

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91 )

TO (new operator) <u>MARATHON OIL COMPANY</u>	FROM (former operator) <u>TXO PRODUCTION CORP.</u>
(address) <u>P. O. BOX 2690</u>	(address) <u>P. O. BOX 2690</u>
<u>CODY, WY 82414</u>	<u>CODY, WY 82414</u>
phone <u>(307) 587-4961</u>	phone <u>(307) 587-4961</u>
account no. <u>N 3490</u>	account no. <u>N1580</u>

Well(s) (attach additional page if needed):

**\*\*\*MERGER\*\*\***

Name: <b>**SEE ATTACHED**</b>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(see documentation)*
- Yes 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec. 1-24-91)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- Yes 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-26-91)*
- Yes 6. Cardex file has been updated for each well listed above.
- Yes 7. Well file labels have been updated for each well listed above.
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 5, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *(Federal & state wells only!)*
- 2. A copy of this form has been placed in the new and former operators' bond files. *(upon completion of routing)*
- 3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date February 27, 1991. If yes, division response was made by letter dated March 1, 1991.

STATE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases. *sent 3-5-91*

INDEXING

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

INDEXING

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

COMMENTS

- 910204 Btm/maab No doc. as of yet. (In the process of changing) will call when approved.
- Btm/S.Y. Book Cliffs Unit, Oil Springs Unit, Marble Mansion Unit (Not approved as of yet)
- 910204 St. Lands - No documentation as of yet. (Copy hand delivered 2-8-91) for \_\_\_\_\_
- 910222 Btm/S.Y. - Approved 2-20-91 - OK for DSGM to recognize eff. date 1-1-91. (T. Thompson)
- 910226 St. Lands - Needs additional info. "will take 2-3 weeks". (Proceed with change per DTS)

DOGm - FYI - From Connie Larson - TAX Commission

Tax Compliance Division



Findlay, Ohio 45840  
Telephone 419/422-2121

January 23, 1991

N1580

TO WHOM IT MAY CONCERN:

Effective immediately after the close of business on December 31, 1990, TXO Production Corporation, taxpayer I.D. 75-1710388, a Delaware Corporation, was merged into Marathon Oil Company, taxpayer I.D. 25-1410539.

Following the merger, all business activity previously conducted by TXO Production Corporation will be conducted by and under the name of Marathon Oil Company.

Marathon Oil Company  
Tax Organization

GRL:pah  
GRL100T

FEB 14 1991  
REC'D USITC P.A.

Send a copy to DOGM 2-219

Copy sent to Master  
File Mail

RECEIVED  
JAN 24 1991



P.O. Box 2690  
Cody, Wyoming 82414  
Telephone 307/587-4960

DIVISION OF  
OIL, GAS & MINING

*DRJ*  
*1-3*  
*Mry DRJ*  
*-cc R Furth*

January 22, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

UTAH DIVISION OF OIL, GAS & MINING  
3 Triad Center, Ste. 350  
Salt Lake City, UT 84180-1203  
Attention: State Director

Re: The Merger of TXO Production Corp. into  
Marathon Oil Company

Gentlemen:

As Marathon Oil Company advised in its October 8, 1990 letter, TXO Production Corp., a Delaware corporation ("TXO") was being merged into Marathon Oil Company, an Ohio corporation ("Marathon"), on or before January 1, 1991. As stated in the October letter, before this merger, both TXO and Marathon were subsidiaries of USX Corporation.

Effective January 1, 1991, TXO was merged into Marathon, with Marathon becoming the surviving corporation, as evidenced by the enclosed Certificate of Merger signed by the Secretary of State for the State of Ohio. Due to this statutory merger, by operation of law, Marathon, as the surviving entity, has succeeded to all of the assets, property, rights, privileges, power and authority, and has assumed all obligations and liabilities of TXO which existed on the date of the merger.

Marathon requests that your records and filings be changed to reflect this merger, including making any appropriate change in your operator or ownership records. For the purposes of any change, mailing or notification, please substitute the following address and phone number for TXO:

Marathon Oil Company  
Attention: Mr. R. P. Meabon  
1501 Stampede Avenue  
P. O. Box 2690  
Cody, WY 82414  
(307) 587-4961

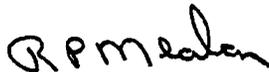
Utah Division of Oil, Gas & Mining  
January 22, 1991  
Page 2

Any bond in the name of TXO should be cancelled and all wells and properties shown on the attached Exhibit "A" should be placed on Marathon's statewide bond for the state of Utah.

Marathon respectfully requests that you acknowledge your receipt of this letter by signing the enclosed duplicate original of this letter in the space provided below, and returning it to me in the self-addressed, stamped envelope provided. Also, please provide Marathon with confirmation of the bond cancellations in accordance with the substitution requested above.

Marathon appreciates your patience and cooperation in this matter, and if Marathon can be of any further assistance, please feel free to contact this office.

Sincerely,



R. P. Meabon  
Regulatory Coordinator  
Rocky Mountain Region  
Extension 3003

RPM:mh

Attachments

RECEIVED AND ACCEPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_,  
1991, BY:

\_\_\_\_\_  
[Governmental Agency or Department]

By \_\_\_\_\_  
Name \_\_\_\_\_  
Its \_\_\_\_\_  
Title

UNITED STATES OF AMERICA,  
STATE OF OHIO,  
OFFICE OF THE SECRETARY OF STATE.

I, Sherrod Brown

do hereby certify that I am the duly elected, qualified and present acting Secretary of State for the State of Ohio, and as such have custody of the records of Ohio and Foreign corporations; that said records show an AGREEMENT OF MERGER of MARATHON PETROLEUM COMPANY, an Ohio corporation, Charter No. 7265, having its principal location in Findlay, County of Hancock, and incorporated on August 1, 1887, and TXO PRODUCTION CORP., a Delaware corporation, having qualified to do business within the State of Ohio on November 2, 1983, under License No. 623328, into MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, the survivor of said Merger, filed in this office on December 24, 1990, recorded in the Records of Incorporation. Said surviving corporation, MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, having its principal location in Findlay, County of Hancock, was incorporated on November 18, 1981 and is currently in GOOD STANDING upon the records of this office.

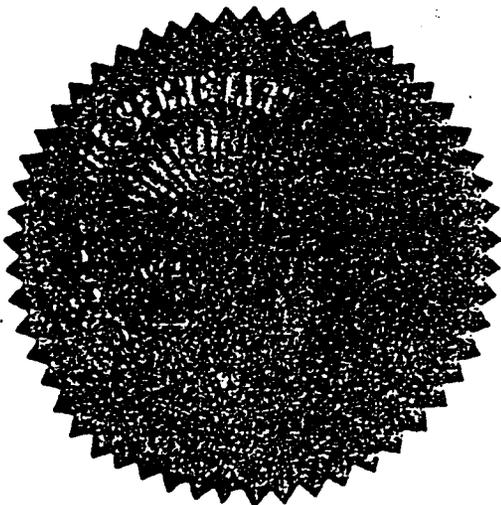
WITNESS my hand and official seal at

Columbus, Ohio, this

28th day of December, A.D. 1990



Sherrod Brown  
Secretary of State



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:	
1-LEC	7-LEC
2-DTS	75
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-22-93)

TO (new operator)	<u>LONE MTN PRODUCTION CO</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>PO BOX 3394</u>	(address)	<u>PO BOX 2690</u>
	<u>BILLINGS MT 59103-3394</u>		<u>CODY WY 82414</u>
	<u>phone (406) 245-5077</u>		<u>phone (307) 587-4961</u>
	<u>account no. N 7210</u>		<u>account no. N 3490</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-25-93)*
- lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-25-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- lec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-16-93)*
- lec 6. Cardex file has been updated for each well listed above. *(3-16-93)*
- lec 7. Well file labels have been updated for each well listed above. *(3-16-93)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-16-93)*
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

- 1 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2 2. A copy of this form has been placed in the new and former operators' bond files.
- 3 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*3/17/93 for Ed Berger*

MICROFILMING

- 1 1. All attachments to this form have been microfilmed. Date: March 25 1993.

FILED

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

REMARKS

930316 B/Lm/Moab Approved 3-10-93 eff. 2-22-93.

(Other wells will be handled on a separate change - partial change only!)

St. Lease wells also being chg'd at this time.

LONE MOUNTAIN PRODUCTION COMPANY

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

February 22, 1993

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

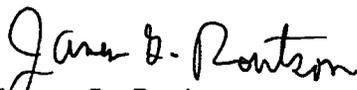
Re: Change of Operator  
Sundry Notices  
Grand and Uintah Counties, Utah

Gentlemen:

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

Very truly yours,

Lone Mountain Production Company

  
James G. Routson  
President

Enclosures

xc: Joe Dyk  
Marathon

RECEIVED

FEB 25 1993

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

SUBMIT IN TRIPLICATE

**RECEIVED**

FEB 25 1993

DIVISION OF  
OIL GAS & MINING

5. Lease Designation and Serial No.

U-05015-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

BMG Fed. No. 5

9. API Well No.

43-019-31131

10. Field and Pool, or Exploratory Area

San Arroyo

11. County or Parish, State

Grand County, Utah

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Lone Mountain Production Company

3. Address and Telephone No.

P.O. Box 3394, Billings, MT 59103

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

1375' FSL, 11' FWL, Sec. 8-T16S-R26E  
(NW $\frac{1}{4}$  SW $\frac{1}{4}$ )

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Change of Operator

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

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

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

Field Operations will be handled by our Grand Junction office.

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

Signed James R. Patten

Title Petroleum Engineer

Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.  
See Below

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.)

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

1. OIL WELL  GAS WELL  OTHER

**RECEIVED**

8. FARM OR LEASE NAME  
See Below

2. NAME OF OPERATOR  
Marathon Oil Company

FEB 25 1993

9. WELL NO.  
See Below

3. ADDRESS OF OPERATOR  
P.O. Box 2690, Cody, Wyoming 82414

10. FIELD AND POOL, OR WILDCAT  
See Below

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

DIVISION OF OIL GAS & MINING

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

At proposed prod. zone See Below

14. API NO.  
See Below

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

12. COUNTY  
Grand and Uintah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
 PULL OR ALTER CASING   
 FRACTURE TREAT   
 MULTIPLE COMPLETE   
 SHOOT OR ACIDIZE   
 ABANDON   
 REPAIR WELL   
 CHANGE PLANS   
 (Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
 REPAIRING WELL   
 FRACTURE TREATMENT   
 ALTERING CASING   
 SHOOTING OR ACIDIZING   
 ABANDONMENT\*   
 (Other)   
 (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

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

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

By copy of this sundry notice to Lone Mountain Production Company, Marathon is advising that Lone Mountain Production Company is responsible for operating these leases and wells within the federal and state rules and regulations.

Utah O&G--cc: WRF,RDS,CLB,RPM,KJI,TITLE AND CONTR(HOU),ACCTG.,CFR,LONE MTN. PROD.

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

SIGNED R.P. Meabon *R.P. Meabon*

TITLE Regulatory Coordinator

DATE 2/23/93

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

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

WELL	LOCATION	LEASE	API #
<b>North Horse Point Field</b>			
Little Berry State #1	SW/4 SW/4, Sec. 2-16S-23E	ML-21061	043-019-31075
<b>BAR X West Field</b>			
Hancock Federal #2	NW/4 SW/4, Sec. 5-17S-25E	U-38720	043-019-30833
<b>Bryson Canyon Field</b>			
Hougen Federal A#1- St #1	SW/4 SW/4 Sec. 14-17S-24E	U-42480	043-019-30799
TXO Pogo USA #19-9	NE/4 SE/4, Sec. 15-17S-24E	U-49535	043-019-30779
<b>East Canyon Field</b>			
Callister Federal #1	NW/4 SE/4 Sec. 24-16S-24E	U-38363	043-019-30857
Ptasynski Federal #1	NE/4 NW/4 Sec. 15-17S-23E	U-24603-A	043-019-30780
<b>Horseshoe Bend Field</b>			
Bridle Federal #1	SW/4 SW/4 Sec. 34-6S-22E	U-47866	043-047-31533
Bridle Federal #2	NE/4 SE/4 Sec. 34-6S-22E	U-47866	043-047-31655
Bridle Federal #3	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31678
Bridle Federal #4	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31866
Croquet Federal #1	SE/4 NE/4 Sec. 35-6S-21E	U-53862	043-047-31440
Croquet Federal #2	NE/4 SE/4 Sec. 35-6S-21E	U-53862	043-047-31672
Croquet Federal #3	NE/4 NW/4 Sec. 35-6S-21E	U-53862	043-047-31867
Football Fed #29-4	SE/4 SW/4 Sec. 29-6S-21E	U-46699	043-047-31883
Shuffleboard Fed #1	NE/4 NE/4 Sec. 27-6S-21E	U-31255	043-047-31668
Stirrup Fed. #28-1	NW/4 SW/4 Sec. 28-6S-21E	U-34711	043-047-31571
Stirrup Fed. #29-2	NW/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31508
Stirrup Fed. #29-3	SE/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31634
Stirrup State #32-1	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31557
Stirrup State #32-2	SE/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31626
Stirrup State #32-4	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31648
<b>Rockhouse Field</b>			
Cracker Fed. #1	SE/4 NE/4 Sec. 8-11S-23E	U-54197	043-047-31532
Cracker Fed. #2	SE/4 SE/4 Sec. 8-11S-23E	U-54197	043-047-31690
Cracker Fed. #3	SW/4 SE/4 Sec. 5-11S-23E	U-54193	043-047-31689
Cracker Fed. #4	SE/4 NE/4 Sec. 7-11S-23E	U-54196	043-047-31748
Marble Mansion #1	SE/4 SE/4 Sec. 18-11S-23E	U-54201	043-047-31865
Wells Fed. A #1	SW/4 SE/4 Sec. 12-11S-23E	U-54198	043-047-31603

San Arroyo Field

Arco Fed. B #1	SE/4 SE/4 Sec. 6-16S-25E	U-9831	043-019-30552
Arco Fed. C #1	NW/4 NW/4 Sec. 35-16S-25E	U-06188-B	043-019-30572
Arco Fed. D #1	NE/4 SE/4 Sec. 34-16S-25E	U-29645	043-019-30578
Arco Fed. H #1	NW/4 SW/4 Sec. 12-16S-25E	U-0126528	043-019-31002
Bennion Fed. #1	NE/4 NW/4 Sec. 30-16S-25E	U-24632	043-019-30893
BMG Fed. #1	NE/4 NW/4 Sec. 8-16S-26E	U-05015	043-019-31017
BMG Fed. #2	SW/4 SW/4 Sec. 8-16S-26E	U-05015	043-019-31108
BMG Fed. #3	SW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31114
BMG Fed. #4	NW/4 NW/4 Sec. 17-16S-26E	U-05015-A	043-019-31130
BMG Fed. #5	NW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31131
BMG Fed. #7	NW/4 SE/4 Sec. 17-16S-26E	U-05015-A	043-019-31183
Bookcliffs #1	SE/4 SE/4 Sec. 32-18S-22E	U-036905	043-019-15410
Bookcliffs #3	SW/4 NE/4 Sec. 33-18S-22E	U-036905	043-019-15411
Credo Fed. #1	NE/4 SE/4 Sec. 5-16S-26E	U-24638	043-019-30797
Credo Fed. A #1	SE/4 NW/4 Sec. 5-16S-26E	U-24638	043-019-30798
Grynberg Fed. #1	NE/4 SW/4 Sec. 28-16S-25E	U-13653	043-019-30657
Harvey Fed. #1-X	SW/4 SE/4 Sec. 5-16S-25E	U-10427	043-019-30574
Lauck Fed. A #1	SE/4 SE/4 Sec. 29-16S-25E	U-34033	043-019-30990
Lauck Fed. #2	NW/4 SW/4 Sec. 29-16S-25E	U-34033	043-019-31109
Moxa Fed. #1	SW/4 SW/4 Sec. 9-16S-26E	U-24638	043-019-30698
Moxa Fed. A #1	NE/4 SE/4 Sec. 4-16S-26E	U-24638	043-019-30792
Nicor Fed. #1	NW/4 NE/4 Sec. 28-16S-25E	U-31807	043-019-30656
Nicor Fed. #2	NW/4 NE/4 Sec. 33-16S-25E	U-13653	043-019-31020
Texas Pac St #1	NW/4 SE/4 Sec. 36-16S-25E	ML-4468-A	043-019-30634
Texas Pac St #2	SW/4 SW/4 Sec. 36-16S-25E	ML-4468-A	043-019-30670
Valentine Fed. #1	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-30639
Valentine Fed. #2	SE/4 NW/4 Sec. 34-16S-25E	U-38276	043-019-30640
Valentine Fed. #3	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-31009
Wall Fed. #1	NE/4 SW/4 Sec. 30-16S-25E	U-24632	043-019-30838

Oil Springs Field

Oil Springs #5	NE/4 SW/4 Sec. 5-12S-24E	U-08424-A	043-047-15930
Oil Springs #7	SE/4 SW/4 Sec. 4-12S-24E	U-08424-A	043-047-31248
Oil Springs #10	NE/4 NE/4 Sec. 5-12S-24E	U-08424-A	043-047-31656

Evacuation Creek Field

Evacuation Creek State A #1	NE/4 NE/4 Sec. 2-12S-25E	ML-28043	043-047-31674
Evacuation Cr. #23-2-1	NE/4 SW/4 Sec. 2-12S-25E	ML-28043	043-047-15675
Evacuation Creek State #1	SE/4 SW/4 Sec. 36-11S-25E	ML-39868	043-047-31307

# UTAH FEDERAL WELLS

## MOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Bookcliffs Unit No. 1	U-036905	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-T18S-R22E
Bookcliffs Unit No. 3	U-036905	Sw $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-T18S-R22E
Hancock Fed. No. 2	U-38720	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T17S-R25E
Hougen Fed. No. A-1	U-42480	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-T17S-R24E
TXO-POGO-USA No. 15-9	U-49535	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-T17S-R24E
Callister Fed. No. 1	U-38363	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-T16S-R24E
Ptasynski Fed. No. 1	U-24603-A	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-T17S-R23E
Arco Fed. B No. 1	U-9831	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-T16S-R25E
Arco Fed. C No. 1	U-06188-B	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T16S-R25E
Arco Fed. D No. 1	U-29645	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T16S-R25E
Arco Fed. H No. 1	U-0126528	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-T16S-R25E
Grynberg Fed. No. 1	U-13653	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T16S-R25E
Lauck Fed. A No. 1	U-34033	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T16S-R25E
Lauck Fed. No. 2	U-34033	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T16S-R25E
Nicor Fed. No. 1	U-31807	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-T16S-R25E
Nicor Fed. No. 2	U-13653	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. <sup>29</sup> <del>33</del> -T16S-R25E
Valentine Fed. No. 1	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Valentine Fed. No. 2	U-38276	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T16S-R25E
Valentine Fed. No. 3	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Wall Fed. No. 1	U-24632	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-T16S-R25E
Bennion Fed. No. 1	U-24632	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-T16S-R25E
Harvey Fed. No. 1-X	U-10427	Sw $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R25E

UTAH FEDERAL WELLSMOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
BMG Fed. No. 1	U-05015	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 2	U-05015	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 3	U-05015-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 4	U-05015-A	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-T16S-R26E
BMG Fed. No. 5	U-05015-A	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 7	U-05015-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-T16S-R26E
Credo Fed. No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R26E
Credo Fed. A No. 1	U-24638	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-T16S-R26E
Moxa Fed. No. 1	U-24638	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-T16S-R26E
Moxa Fed. A No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-T16S-R26E

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UTAH FEDERAL WELLS

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VERNAL BLM DISTRICT

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<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
Stirrup Fed. No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T6S-R21E
Stirrup Fed. No. 29-2	U-46699	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Stirrup Fed. No. 29-3	U-46699	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Football Fed. No. 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T6S-R21E
Croquet Fed. No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 2	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T6S-R21E
Bridle Fed. No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-T6S-R22E
Cracker Fed. No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T11S-R23E
Cracker Fed. No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-T11S-R23E
Marble Mansion Unit #1	U-54201	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-T11S-R23E
Wells Fed. A No. 1	U-54198	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-T11S-R23E
Oil Springs Unit #5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T12S-R24E
Oil Springs Unit #7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-T12S-R24E
Oil Springs Unit #10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-T12S-R24E

## UTAH STATE WELLS

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Texas Pacific No. 1	ML-4468-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Texas Pacific No. 2	ML-4468-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Little Berry No. 1	ML-21061	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T16S-R23E Grand County
Evacuation Creek No. 1	ML-39868	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T11S-R25E Uintah County
Evacuation Creek A No. 1	ML-28043	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Evacuation Creek 23-2-1	ML-28043	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Stirrup No. 32-1	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County
Stirrup No. 32-2	ML-22036	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County
Stirrup No. 32-4	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-05015-A
2. Name of Operator Lone Mountain Production Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 3394, Billings, MT 59103	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1375' FSL, 11' FWL, Sec. 8-T16S-R26E (NW $\frac{1}{4}$ SW $\frac{1}{4}$ )	8. Well Name and No. BMG Fed. No. 5
	9. API Well No. 43-019-31131#
	10. Field and Pool, or Exploratory Area San Arroyo
	11. County or Parish, State Grand County, Utah

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

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

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

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

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

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

Field Operations will be handled by our Grand Junction office.

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

Signed J. Brent Northrup Title Petroleum Engineer Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by /s/ Brent Northrup Title ACTING Assistant District Manager for Minerals Date Feb 22 1993

Conditions of approval, if any:

**CONDITIONS OF APPROVAL ATTACHED**

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

\*See Instruction on Reverse Side

Down

Lone Mountain Production Company  
Well No. BMG Fed. 5  
NWSW Sec. 8, T. 16 S., R. 26 E.  
Grand County, Utah  
Lease U-05015A

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Lone Mountain Production Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0719 (Principal - Lone Mountain Production Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

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MAR 15 1993

DIVISION OF  
OIL GAS & MINING