

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

December 27, 1984

RECEIVED
DEC 30 1984

DIVISION OF
OIL, GAS & MINING

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

Re: BMG Federal #6
Section 7-T16S-R26E
Grand County, Utah

Gentlemen:

Enclosed please find three copies of the Application for Permit to Drill and one complete Drilling Plan and Surface Use Program which were submitted to the BLM for the above referenced well.

If you have any questions, please don't hesitate to contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.

Terry Blankenship

Terry L. Blankenship
Environmental Scientist

6.

TLB/gbp

Enclosures/as stated

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 TXO Production Corp. Attention: Terry Blankenship

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

4. LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements.)*
 At surface
 1316' FSL, 77' FWL, Section 8-T16S-R26E
 At proposed prod. zone
 2140' FWL, 800' FSL Section 7-T16S-R26E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 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)
 800'

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.
 2239'

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.
 #6

10. FIELD AND POOL, OR WILDCAT
 San Arroyo

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

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

RECEIVED
 DIVISION OF
 OIL, GAS & MINING
 DEC 30 1984

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36.0#	300'	180 sacks
8 3/4"	7"	20.0#	{ 2055' TVD 2150' MD.	150 sacks
6 1/4"	4 1/2"	10.5"	{ 5550' TVD 6856' MD.	150 sacks

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

	TVD	Deviation	Angle	MD
Kickoff Depth	500'	0.0	0.0°	500'
Angle Established	2400'	757'	42.4°	2631'
Initial Objective	5158'	3258'	42.4°	6325'
Total Depth	5550'	3616'	42.4°	6856'

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 1/18/85
 BY: John R. B...
 DATE: 12/27/84

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

24. SIGNED Ronald E. Dastine TITLE Dist. Drlg & Production Mgr DATE 12/27/84

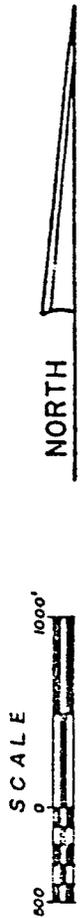
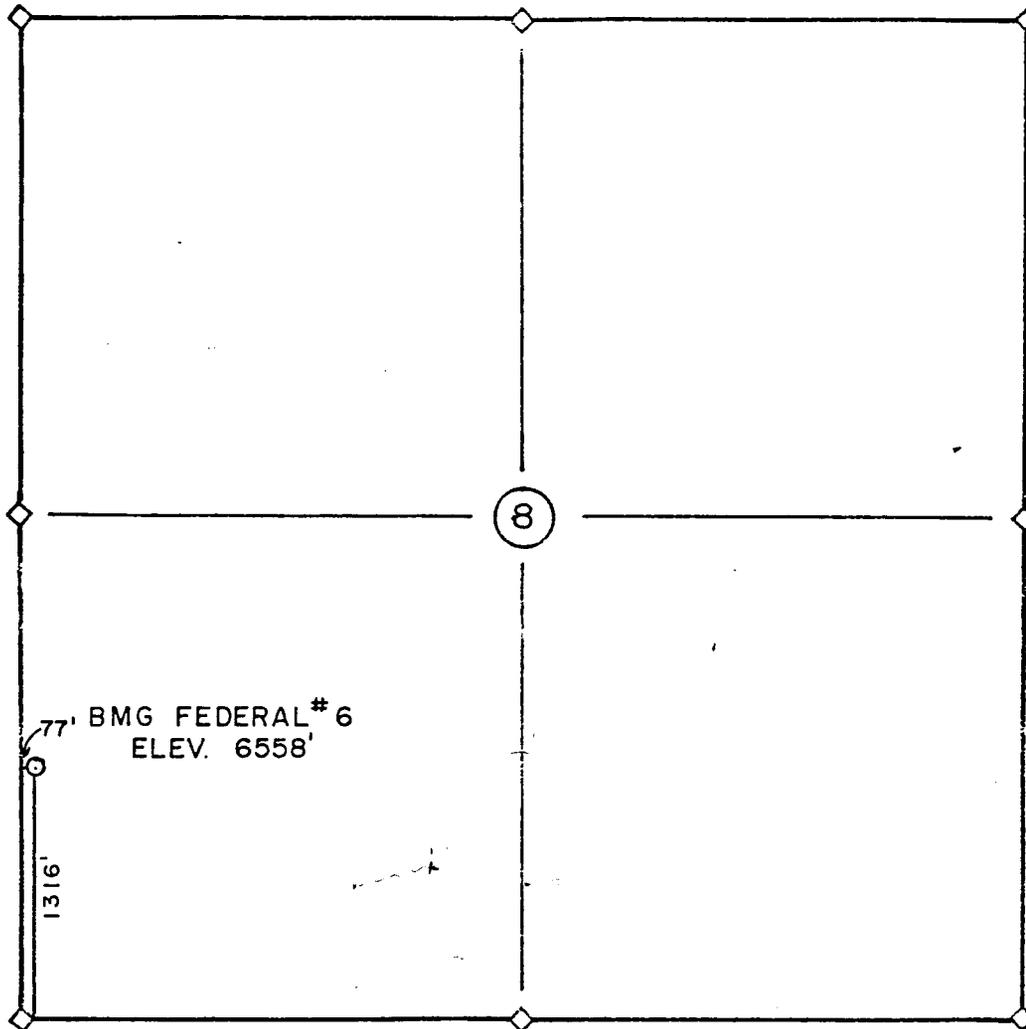
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

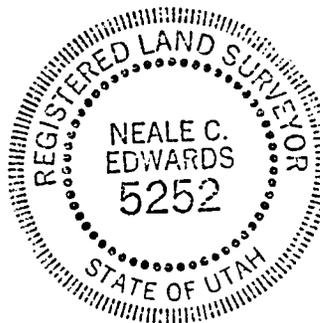
*See Instructions On Reverse Side



REFERENCE DOCUMENTS

1924 GLO PLAT

JIM CANYON
QUADRANGLE, USGS



SURVEYOR'S CERTIFICATE

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

Neale C. Edwards

L.S. NO 5252

DATE: 6-5-84

THIS WELL LOCATION PLAT WAS PREPARED FOR TXO PRODUCTION CORP AS REQUESTED BY TERRY BLANKENSHIP
1316' F.S.L. & 77' F.W.L.
IN THE SW 1/4 SW 1/4, OF SECTION 8,
T. 16 S R. 26 E OF THE SLB PM,
GRAND COUNTY, UTAH

NCE SURVEYS

364 C.R. 216
DURANGO, COLO.
81301
(303) 247-2342

DRILLING PLAN

DATE: December 20, 1984

WELL NAME: BMG Federal #6

SURFACE LOCATION: 1316' FSL, 77' FWL, Section 8-T16S-R26E Grand
County, Utah

BOTTOMHOLE LOCATION: 2140' FWL, 800' FSL Section 7-T16S-R26E Grand
County, Utah

FEDERAL OIL & GAS LEASE NO.: U-05015-A

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

I. DRILLING PROGRAM

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

Castlegate	1655'	Depths given are true vertical depths (TVD)
Mancos	1855'	
Dakota	5158'	
Morrison	5428'	
Total Depth	5550'	

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

Expected Gas Zones: Dakota 5158' (TVD)

Water may be encountered in the Mesaverde and Castlegate Formations.

4. DIRECTIONAL DRILL PROGRAM:

As indicated on Form 3160-3, 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	2440'	757'	42.4°	2631'
Initial objective	5158'	3258'	42.4°	6325'
Total depth	5550'	3616'	42.4°	6856'

During kickoff, an angle building rate of $2^{\circ}/100'$ 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 42.4° , from vertical is established, the angle will be held to the proposed TD of 5550' (TVD). The bottomhole target (Dakota sand group) is located 800' FSL, 2140' FWL of Section 7 and is planned with a 150' target radius to comply with applicable state spacing regulations. Again, surveys through this stage of the hole will be dictated by hole conditions.

5. PRESSURE CONTROL EQUIPMENT:

- A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1100 psi), will be installed. See Exhibit 1.
- B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.
- C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.
- D. The equipment in A and B will be pressure-tested to 2000 psi before drilling surface pipe cement, and the blowout preventer will be tested for operations daily and during trips.

6. CASING PROGRAM AS PER FORM 3160-3.

7. MUD PROGRAM:

0-300	Air, if necessary will use native mud.
300'-TD	Air or air mist. If necessary will use spud mud at 8.8-9.0#/gal. vis. 35-45 sec., WL > 10cc.

8. CORING, LOGGING, TESTING PROGRAM:

- A. No coring is anticipated.
- B. Logging program will consist of: DIL-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.

9. ABNORMAL CONDITIONS:

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

- C. While drilling with gas or air, return fluids will be directed through the blow line to the reserve pit. All open fires or ignition sources will be prohibited on location while gas or air drilling. A pilot flame will be maintained at the end of the blow line (located 125' from the wellhead) to insure burning of return gases that are combustible.

10. 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.

11. ANTICIPATED STARTING DATES:

Start location construction	January 30, 1985
Spud date	February 2, 1985
Complete drilling	February 22, 1985
Completed, ready for pipeline	March 7, 1985

- 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.

II. SURFACE USE PROGRAM

1. EXISTING ROADS

- A. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From 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, #3, #4, #5, and #6.
- B. Access route to location color coded in red and labeled. Refer to Exhibit 2.
- C. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 3.
- D. Plans for improvement and maintenance of existing roads: The existing roads should not require any upgrading. During wet periods some maintenance may be necessary to allow passage by drilling rigs and well servicing vehicles. Dry periods necessitate watering the road to control dust.

2. PLANNED ACCESS ROAD

No access roads are necessary. The existing access to the BMG #5 pad will be used.

3. LOCATION OF EXISTING WELLS

Exhibit 4 is a one-mile radius locating and identifying the following:

- A. Water Wells-None
- B. Injection Wells-None
- C. Abandoned Wells-None
- D. Disposal Wells-None
- E. Producing Wells-TXO BMG Federal #2 Sec. 8-T16S-R26E
TXO BMG Federal #3 Sec. 18-T16S-R26E
TXO BMG Federal #4 Sec. 17-T16S-R26E
TXO BMG Federal #5 Sec. 7-T16S-R26E
- F. Drilling Wells-None
- G. Shut-in Wells - None
- H. Injection Wells-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. On well pad production facilities, if well is successfully completed for production.

1. Proposed facilities and attendant lines in relation to the well pad. Refer to Exhibit 5.
2. Dimensions of facilities: Refer to Exhibit 5.
3. The production facilities will include a production pit, a production unit, and dehydrator. It is anticipated that the meter and dehydrator will be owned, installed, and maintained by the gas purchaser. The anticipated location of these facilities is shown on Exhibit 5. The pit will contain all water production and be built in accordance with NTL-2B IV.4. specifications for disposal of less than five barrels of produced water per day. In the event the volume of produced water exceeds 5 BWPD, TXO will investigate alternate disposal methods and obtain approval as required by NTL-2B.
4. Protective devices and measures to protect livestock and wildlife: The water production pit will be fenced with net wire to protect livestock and wildlife.

B. Off well pad production facilities

The meter run will be placed on the BMG #2 and #3 pad next to meter runs for the BMG #2, #3, #4, and #5. This is approximately 600-700 feet from the wellhead.

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 2.
- 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 east end of the pad for later use during rehabilitation on the disturbed areas. Excess excavated material will be stockpiled for use during rehabilitation.
- B. Identify if from Federal or Indian Land: The affected land is Federal and under the management of the Bureau of Land Management.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit. While drilling with air or gas, a dust arresting system will be installed on the blow line.

- C. Produced fracing fluids will be directed to the reserve pit for evaporation.
- D. Sewage: A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a trash bin and removed to a sanitary landfill upon completion.
- F. Protective Devices: The flare pit (if necessary) will be fenced and flagged to protect animals. The drilling reserve pit will be fenced on three sides during drilling, and on the fourth side prior to the rig moving off location. If any oil is in the reserve pit, it will be removed and overhead flagging will be installed.
- G. Statement regarding proper cleanup when rig moves out: When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 6.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 7.
- C. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 1 to 2 inch layer of bentonite or a commercial plastic liner will be placed in the pit to prevent excessive seepage and groundwater contamination.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, leveling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes filled. The reserve pit will be allowed to dry by evaporation and then will be backfilled. Cuttings, drilling muds, and similar spent chemicals directed to the reserve pit pursuant to Item 7 above will be buried as the pit is 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.

- B. In the event the well is not commercially productive, that portion of the access road requested by BLM to be rehabilitated will be recontoured, cover with topsoil, disked and reseeded with the 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.
- C. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately March 7, 1985 and will be completed within approximately one year. It is anticipated that seeding of the recontoured pad would be performed in the Fall following pit backfill and recontouring operations.

11. SURFACE OWNERSHIP

The access road and the well pad are on lands administered by the BLM.

12. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located on moderately sloped 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, juniper, big sage brush, oak brush, and native grasses. Animals inhabiting the area include deer, small mammals, and birds.
- B. Other surface-use activities include: 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 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 #6.

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

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

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

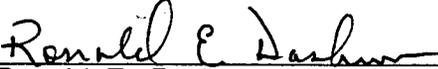
Comments regarding the content of this plan or arrangements for an on-site inspection should be directed to:

Terry Blankenship
Environmental Scientist
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 420-3028 - Residence

- B. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by TXO Production Corp. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

DATE:

NAME AND TITLE:



Ronald E. Dashner
District Drilling and Production Manager

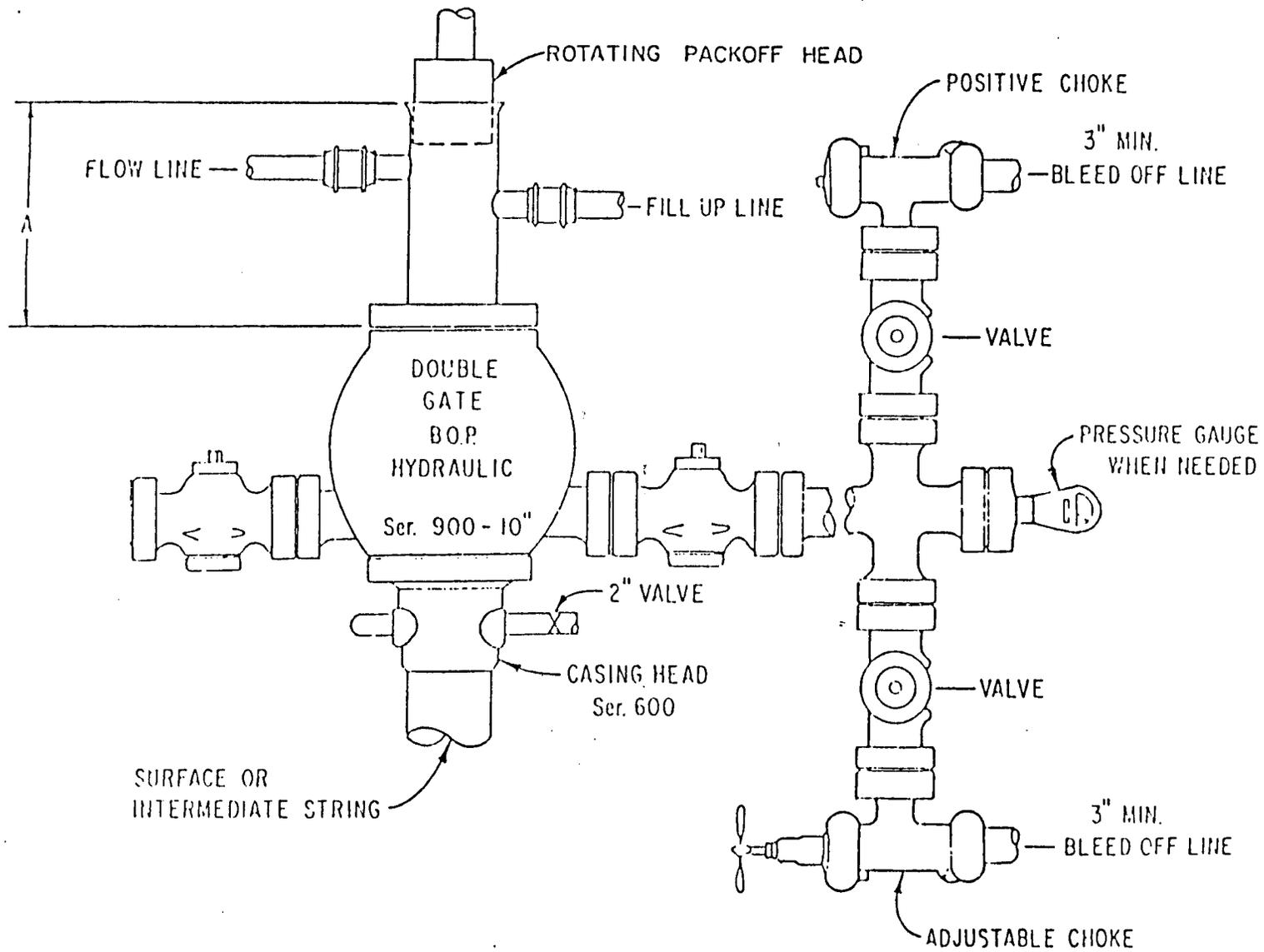


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM

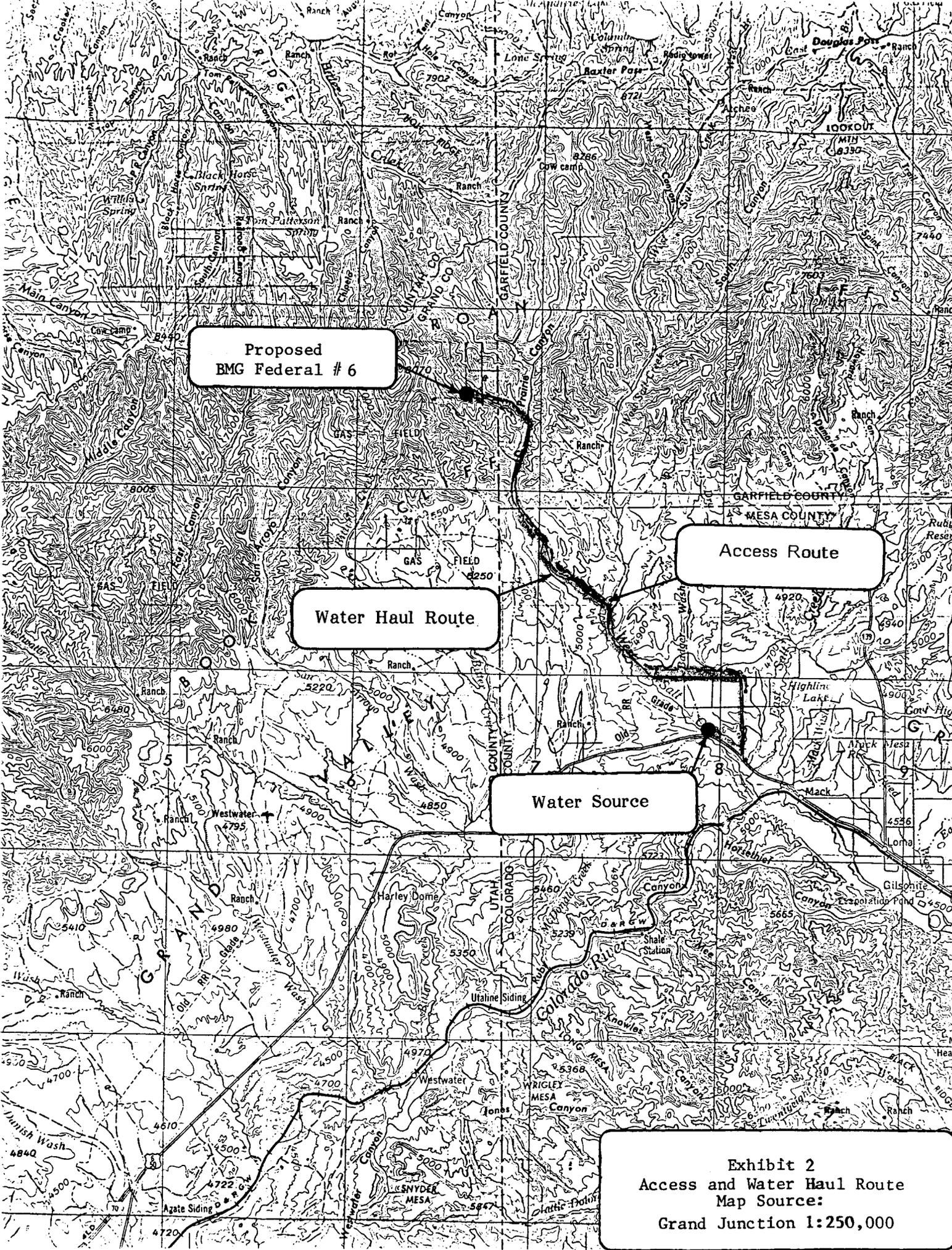
Proposed
BMG Federal # 6

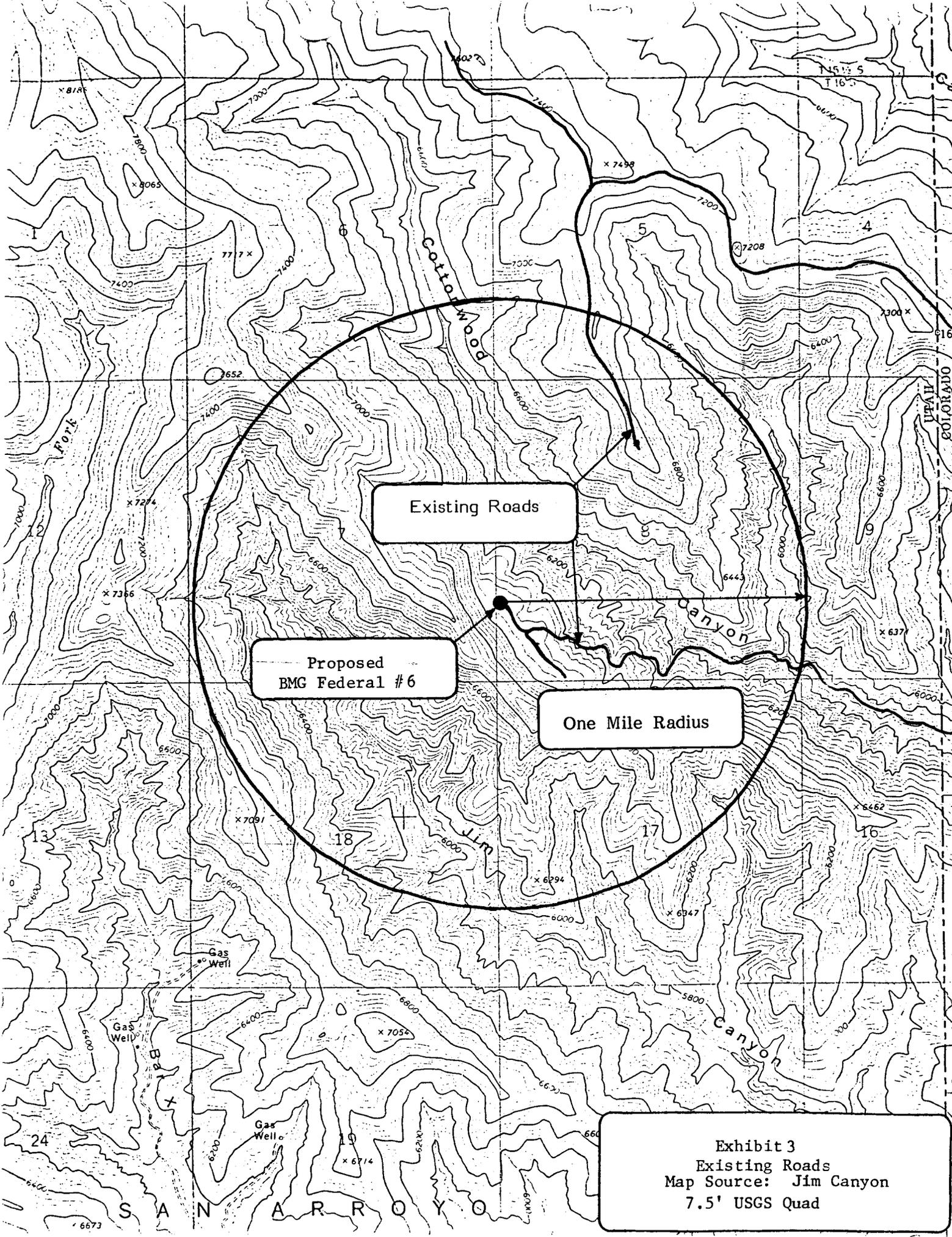
Water Haul Route

Access Route

Water Source

Exhibit 2
Access and Water Haul Route
Map Source:
Grand Junction 1:250,000



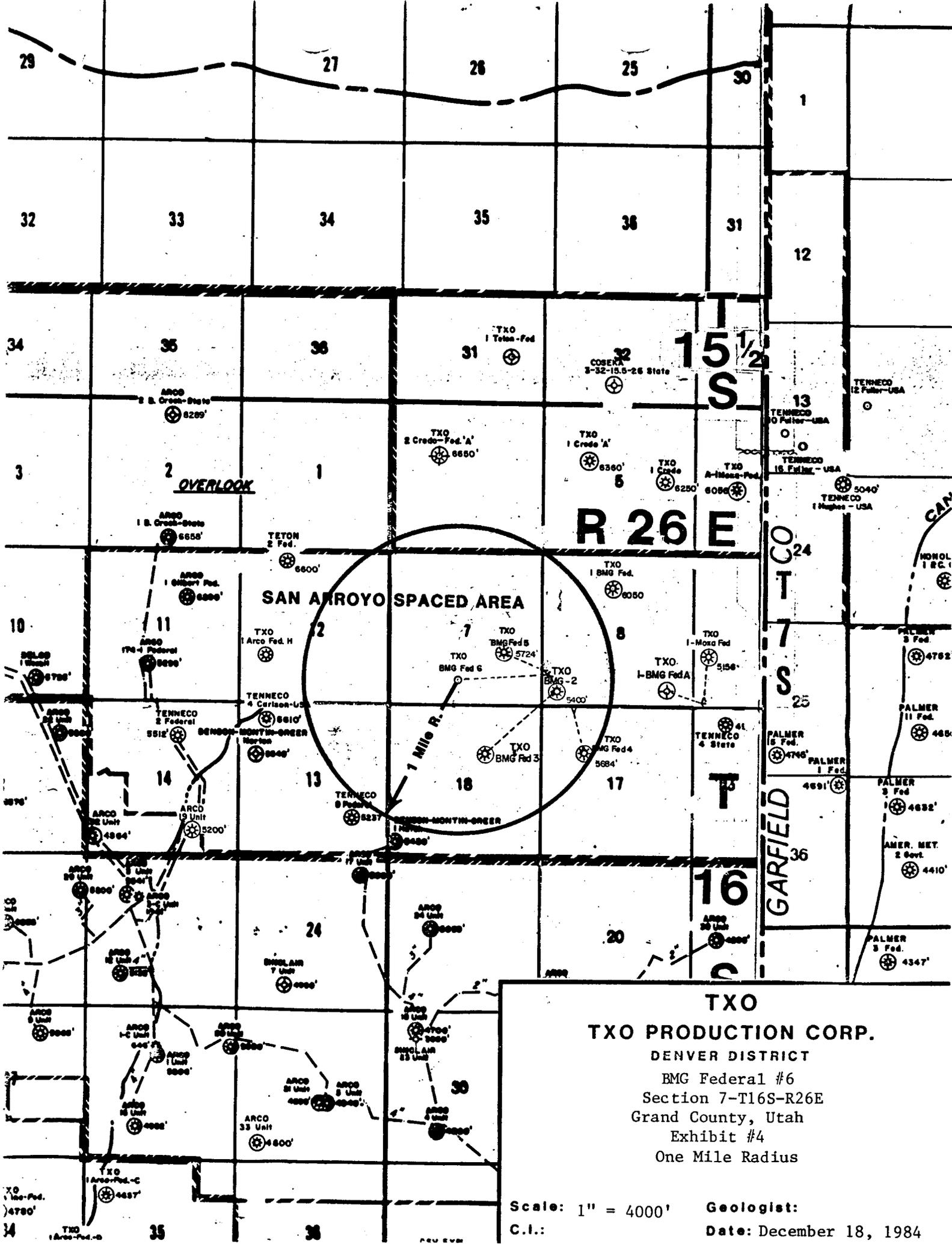


Existing Roads

Proposed
BMG Federal #6

One Mile Radius

Exhibit 3
Existing Roads
Map Source: Jim Canyon
7.5' USGS Quad



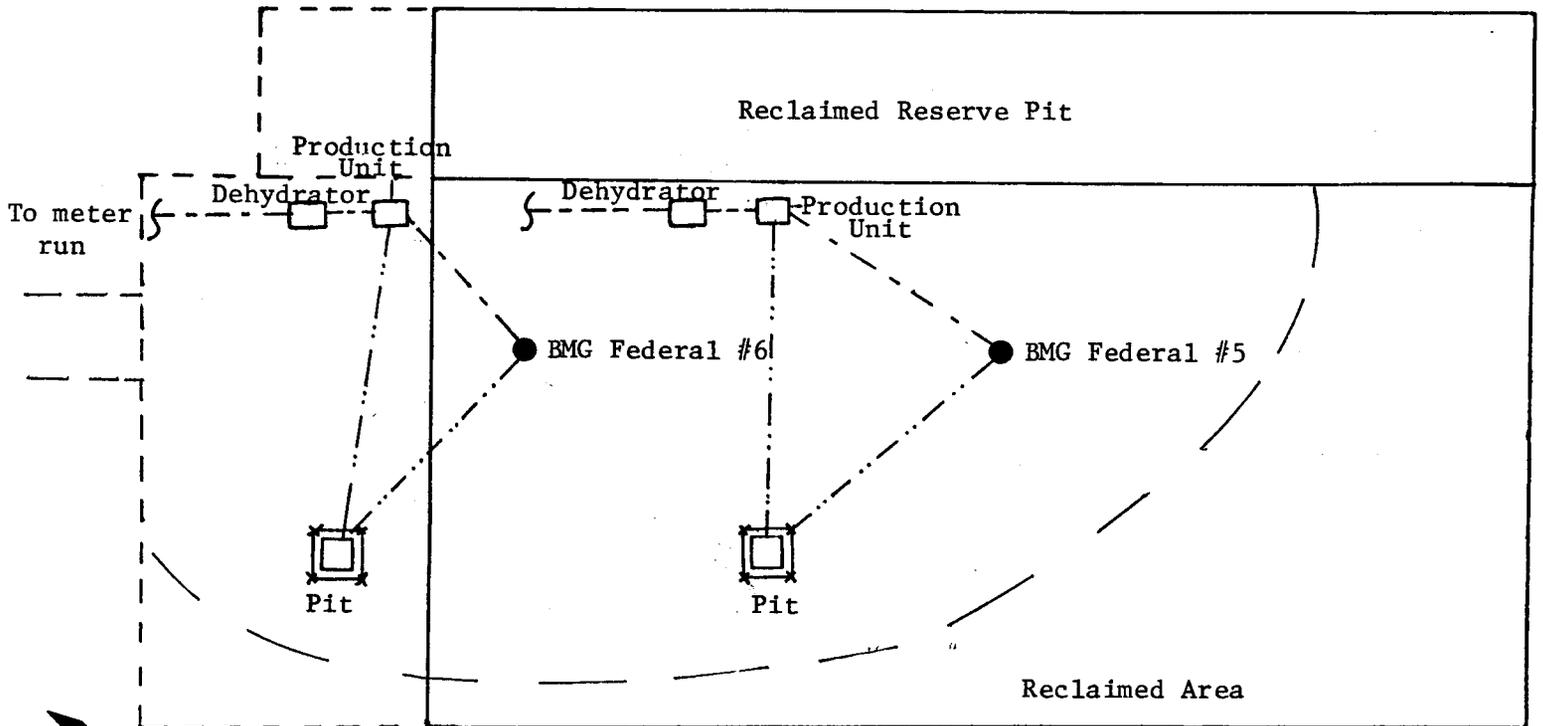
SAN ARROYO SPACED AREA

15 1/2 S
R 26 E

GARFIELD
TETON

TXO
TXO PRODUCTION CORP.
DENVER DISTRICT
BMG Federal #6
Section 7-T16S-R26E
Grand County, Utah
Exhibit #4
One Mile Radius

Scale: 1" = 4000'
Geologist:
Date: December 18, 1984



- 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.

PIT & PAD LAYOUT

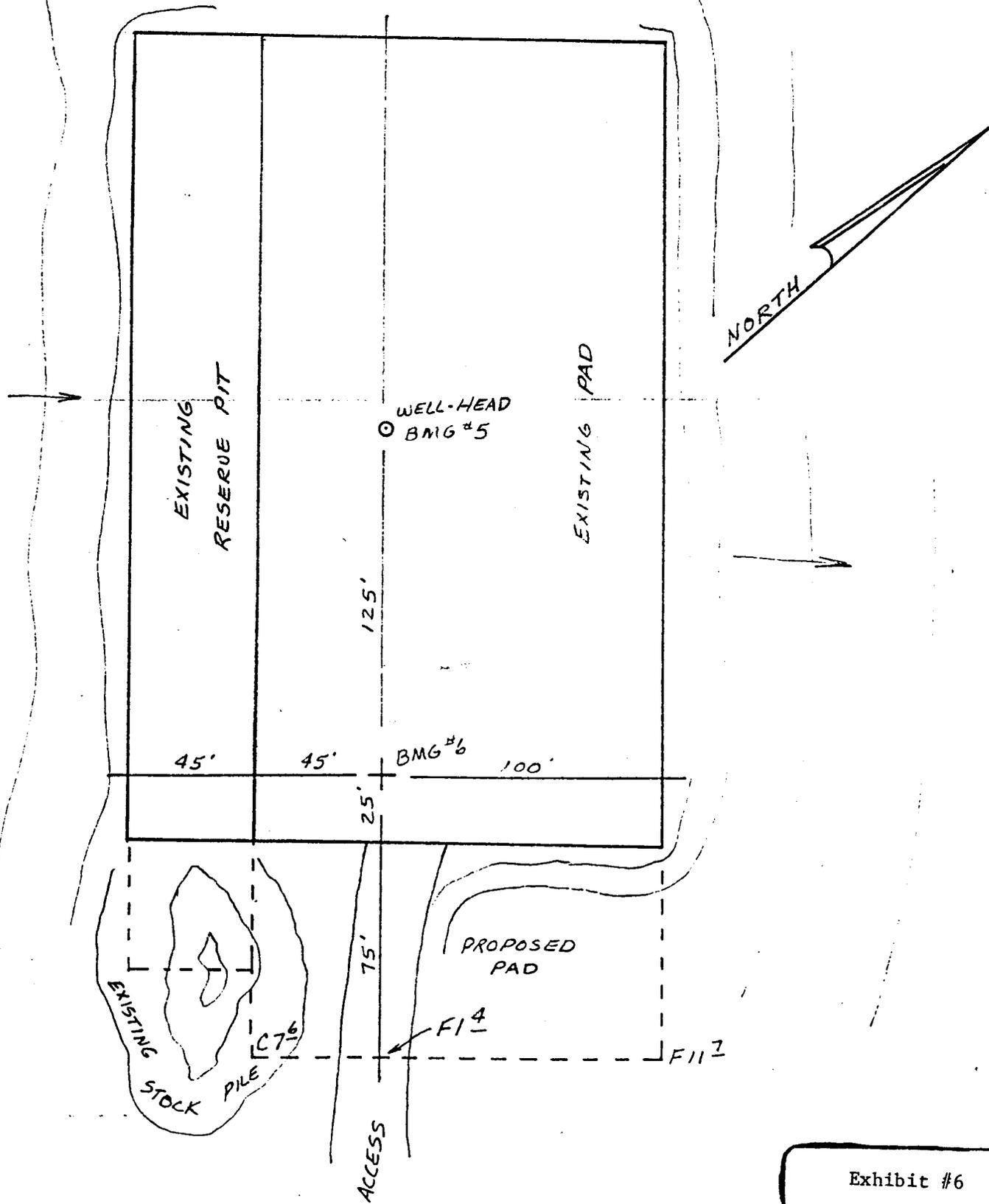


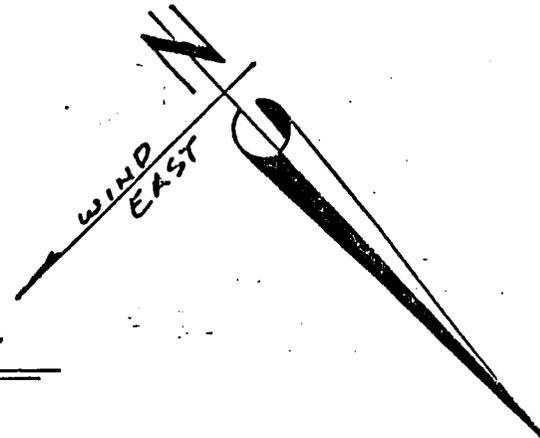
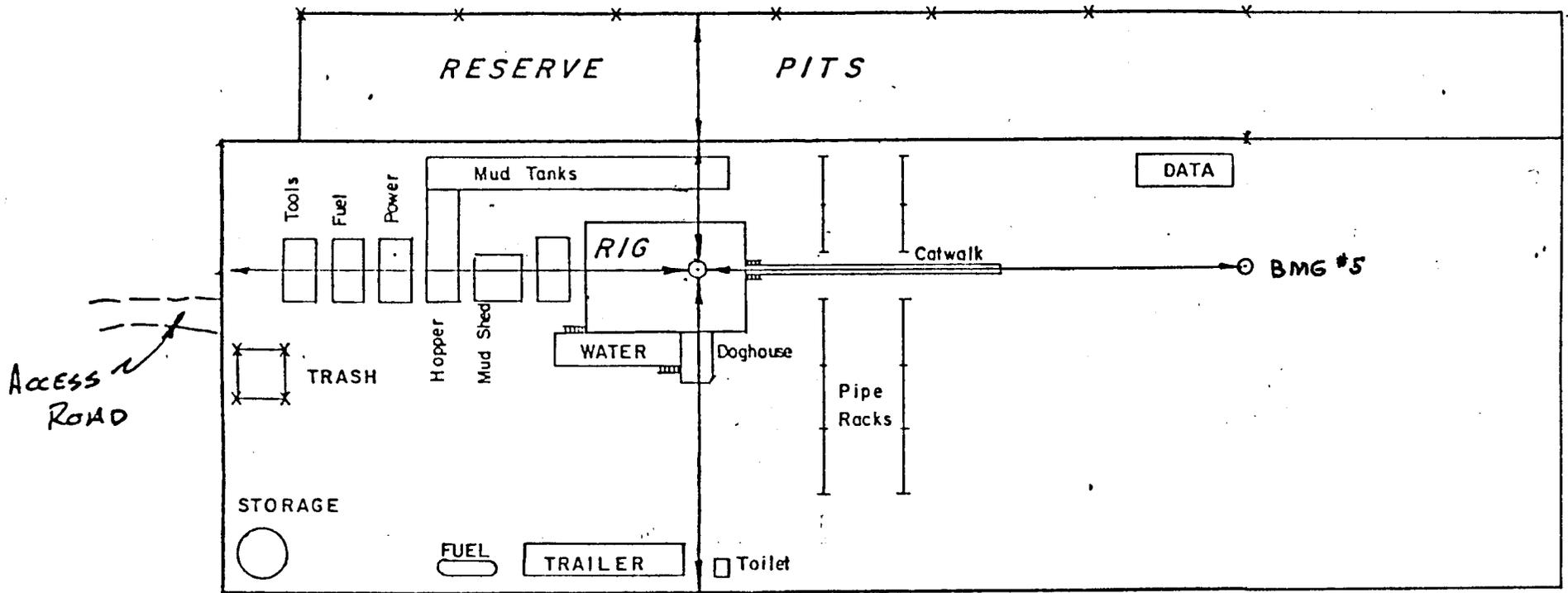
Exhibit #6

TXD PRODUCTION CORP.
BMG FEDERAL #6

SCALE
1" = 50'

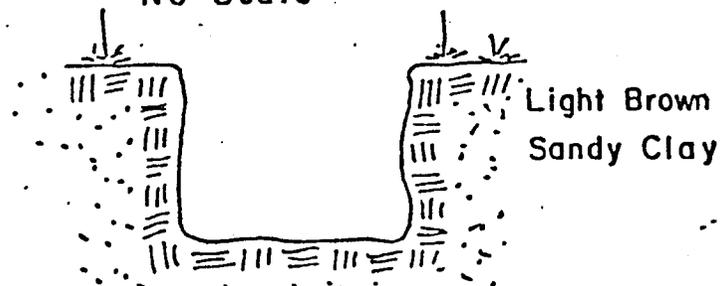
NCE SURVEYS
DATE: 6-5-84





SOILS LITHOLOGY

- No Scale -



OPERATOR TXU Production Corp

DATE 1/7/85

WELL NAME BMG Fed #6

Surf
SEC SWSW 8 T 16S R 26E COUNTY Grand
BHL SESW 7

43-019-31181
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

320 acre / 2000' - 2500' between wells
Water - Hauled from Colorado

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a 107-1 2/11/65
CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 8, 1985

TXO Production Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

Attention: Terry Blankenship

Gentlemen:

Re: Well No. BMG Federal #6 - (Surf.) SWSW, Sec. 8, (BHL) SESW, Sec. 7, T.16S, R.26E
(Surf.) 1316' FSL, 77' FWL, (BHL) 800' FSL, 2140' FWL - Grand County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 107-1 dated February 11, 1965.

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

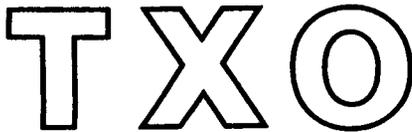
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31181.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals



TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

RECEIVED

February 5, 1985

FEB 08 1985

**DIVISION OF OIL
GAS & MINING**

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

Re: BMG Federal #6
Section 7-T16S-R26E
Grand County, Utah
API # 43-019-31181

Gentlemen:

Enclosed please find three copies of an amended Application for Permit to Drill, with an **amended directional drill program**, for the above referenced well. The **surface location of the BMG Federal #6 was moved**, however the **bottomhole location remains the same**. Also enclosed is an amended Drilling Plan and Surface Use Program submitted to the Moab BLM office.

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



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 L. Blankenship

3. ADDRESS OF OPERATOR
 1800 Lincoln Center Bldg. Denver, CO 80264 (303) 861-4246

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 680' FSL, 1920' FEL Sec. 7-T16S-R26E
 At proposed prod. zone
 Bottomhole: 800' FSL, 2140' FWL Sec. 7-T16S-R26E

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 800'

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. 2192'

19. PROPOSED DEPTH 5550' TVD

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6526' GR

22. APPROX. DATE WORK WILL START*
 June 1, 1985

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.
 6

10. FIELD AND POOL, OR WILDCAT
 San Arroyo

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

12. COUNTY OR PARISH 13. STATE
 Grand 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"	36.0#	300' MD	180 sacks
8 3/4"	7"	20.0#	2050' MD	150 sacks
6 1/4"	4 1/2"	10.5#	5670' MD 5550' TVD	200 sacks

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

	TVD	Deviation	Angle	MD
Kickoff Depth	500'	0.0	0.0°	500'
Angle Established	1259'	102'	15.2°	1268'
Initial Objective	5100'	1157'	15.2°	5251'
Total Depth	5550'	1266'	15.2°	5666'

RECEIVED

FEB 08 1985

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 Ronald E. Dashner TITLE Drilling & Production Manager DATE Feb. 5, 1985

(This space for Federal or State office use)

DIVISION OF OIL
GAS & MINING
Feb. 5, 1985

PERMIT NO. _____ APPROVAL DATE _____

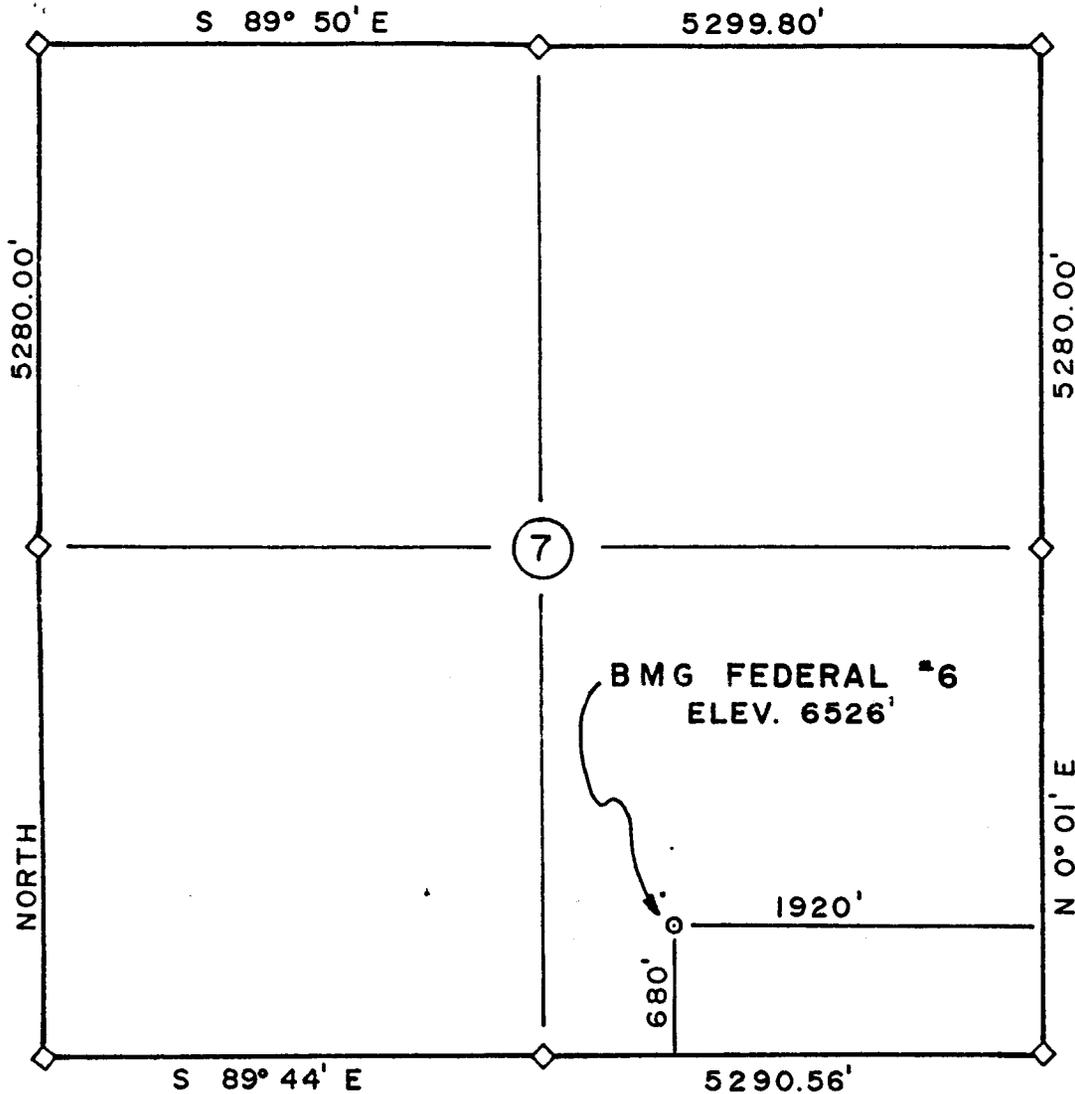
APPROVED BY _____ TITLE **APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING** DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

DATE: 2/19/85
BY: John R. Daza

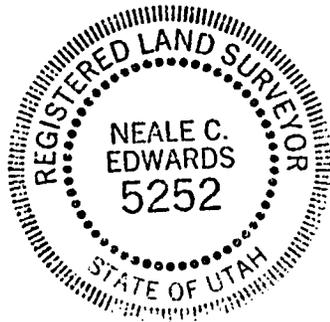
*See Instructions On Reverse Side

SEC. 7, T 16 S, R 26 E, OF THE SLB P.M.



REFERENCE DOCUMENTS

1926 GLO PLAT
JIM CANYON CO-UT
QUADRANGLE, USGS



SURVEYOR'S CERTIFICATE

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

Neale C. Edwards

L.S. NO 5252

DATE: 1-24-85

THIS WELL LOCATION PLAT WAS PREPARED FOR TXO PRODUCTION CORP. AS REQUESTED BY TERRY BLANKENSHIP

680' F.S.L. & 1920' F.E.L.

IN THE SW 1/4 SE 1/4, OF SECTION 7,
T. 16 S, R. 26 E, OF THE SLB P.M.,
GRAND COUNTY, UTAH

NCE SURVEYS

364 C.R. 216
DURANGO, COLO.
81301
(303) 247-2342

DRILLING PLAN

DATE: February 1, 1985

WELL NAME: BMG Federal #6

SURFACE LOCATION: 680' FSL, 1920' FEL, Section 7-T16S-R26E
Grand County, Utah

BOTTOMHOLE LOCATION: 2140' FWL, 800' FSL Section 7-T16S-R26E
Grand County, Utah

FEDERAL OIL & GAS LEASE NO.: U-05015-A

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

I. DRILLING PROGRAM

1. SURFACE FORMATION: Mesa Verde

2. ESTIMATED FORMATION TOPS:

Castlegate	1655'	Depths give are true vertical depths (TVD)
Mancos	1855'	
Dakota	5158'	
Buckhorn	5428'	
Morrison	5518'	
Total Depth	5550'	

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

Expected Gas Zones:	Dakota	5158' (TVD)
	Buckhorn	5428'
	Morrison	5518'

Water may be encountered in the Mesa Verde and Castlegate Formation.

4. DIRECTIONAL DRILL PROGRAM

As indicated on Form 3160-3, 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	1259'	102'	15.2°	1268'
Initial objective	5100'	1157'	15.2°	5251'
Total depth	5550'	1266'	15.2°	5666'

During kickoff, an angle building rate of 2°/100' will be employed with surveys to be taken as required by hole conditions. When a total angle of 15.2° from vertical is established, the angle will be held to the proposed TD of 5550' (TVD). The bottomhole target (Dakota sand group) is located 800' FSL, 2140' FWL of Section 7 and is planned with a 150' target radius to comply with applicable state spacing regulations. Again, surveys through this stage of the hole will be dictated by hole conditions.

5. PRESSURE CONTROL EQUIPMENT:

- A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1100 psi), will be installed. See Exhibit 1.
- B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.
- C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.
- D. The equipment in A and B will be pressure-tested to 2000 psi before drilling surface pipe cement, and the blowout preventer will be tested for operations daily and during trips.

6. CASING PROGRAM AS PER FORM 3160-3.

7. MUD PROGRAM:

0-300	Air, if necessary will use native mud.
300'-TD	Air or air mist. If necessary will use spud mud at 8.8-9.0#/gal. vis. 35-45 sec., WL > 10cc.

8. CORING, LOGGING, TESTING PROGRAM:

- A. No coring is anticipated.
- B. Logging program will consist of: DIL-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.

9. ABNORMAL CONDITIONS

- A. No abnormal pressures or temperatures are expected.
- B. No hazardous gases such as H₂S are expected.
- C. While drilling with gas or air, return fluids will be directed through the blow line to the reserve pit. All open fires or ignition sources will be prohibited on location while gas or air drilling. A pilot flame will be maintained at the end of the blow line (located 125' from the wellhead) to insure burning of return gases that are combustible.

10. 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.

11. ANTICIPATED STARTING DATES:

Start location construction	June 1, 1985
Spud date	June 15, 1985
Complete drilling	July 1, 1985
Completed, ready for pipeline	July 15, 1985

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 treated. A completion program will be furnished if requested.

II. SURFACE USE PROGRAM

1. EXISTING ROADS

- A. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From 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, #3, #4, and the beginning of the planned access road to the BMG Federal #6 and #7.
- B. Access route to location color coded in red and labeled. Refer to Exhibit 2.
- C. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 3.
- D. Plans for improvement and maintenance of existing roads: The existing roads should not require any upgrading. During wet periods some maintenance may be necessary to allow passage by drilling rigs and well servicing vehicles. Dry periods may necessitate watering the road to control dust.

2. PLANNED ACCESS ROAD

The access road will be approximately 9400 feet long, part of which will also be used for the BMG Federal #7 (Exhibit 4). The road will be 18-20 feet wide with grades of 0 to 4 percent. The road will require cuts ranging from 5 to 20 feet and will be constructed with inside bar ditches and water bars to allow for proper drainage. The use of culverts will be determined during construction and no gates or cattleguards will be needed.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Injection Wells-None
- C. Abandoned Wells-None
- D. Disposal Wells-None
- E. Producing Wells-TXO BMG Federal #2 Sec. 8-T16S-R26E
TXO BMG Federal #3 Sec. 18-T16S-R26E
TXO BMG Federal #4 Sec. 17-T16S-R26E
TXO BMG Federal #5 Sec. 7-T16S-R26E

- F. Drilling Wells - None
- G. Shut-in Wells - None
- H. Injection Wells-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. On-well pad production facilities, if well is successfully completed for production.

- 1. Proposed facilities and attendant lines in relation to the well pad. Refer to Exhibit 6.
- 2. Dimensions of facilities: Refer to Exhibit 6.
- 3. The production facilities will include a production pit, a production unit, and dehydrator. It is anticipated that the meter run and dehydrator will be owned, installed, and maintained by the gas purchaser. The anticipated location of these facilities is shown on Exhibit 6. The pit will contain all water production and be built in accordance with NTL-2B IV.4. specifications or disposal of less than five barrels of produced water per day. In the event the volume of produced water exceeds 5 BWPD, TXO will investigate alternate disposal methods and obtain approval as required by NTL-2B.

B. Off-well pad production facilities

No off-well pad production facilities are anticipated.

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 2.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIAL

- 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 south end of the pad for later use during rehabilitation on the disturbed areas. Excess excavated material will be stockpiled for use during rehabilitation.
- B. Identify if from Federal or Indian land: The affected land is Federal and under the management of the Bureau of Land Management.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit. While drilling with air or gas, a dust arresting system will be installed on the blow line.
- C. Produced 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 and flagged to protect animals. The drilling reserve pit will be fenced on three sides during drilling, and on the fourth side prior to the rig moving off location. If any oil is in the reserve pit, it will be removed and overhead flagging will be installed.
- G. Statement regarding proper cleanup when rig moves out: When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 7a and 7b.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 7c.
- 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 or a commercial plastic liner will be placed in the pit to prevent excessive seepage and groundwater contamination.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, leveling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes filled. The reserve pit will be allowed to dry by evaporation and then will be backfilled. Cuttings, drilling muds, and similar spent

chemicals directed to the reserve pit pursuant to Item 7 above will be buried as the pit is 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.

- B. In the event the well is not commercially productive, that portion of the access road requested by BLM to be rehabilitated will be recontoured, covered with topsoil, disked and reseeded with the 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.
- C. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately August 31, 1985 and will be completed within approximately one year. It is anticipated that seeding of the recontoured pad would be performed in the fall following pit backfill and recontouring operations.

11. SURFACE OWNERSHIP

The access road and the well pad are on lands administered by the BLM.

12. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located on moderately sloped 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, juniper, big sage brush, oak brush, and native grasses. Animals inhabiting the area include deer, small mammals, and birds.
- B. Other surface use activities include: 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 archeological survey will be conducted for the road and pad, if necessary.

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

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

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

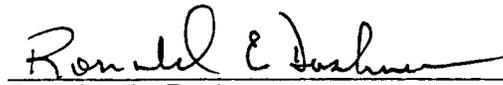
Comments regarding the content of this plan or arrangements for an on-site inspection should be directed to:

Terry Blankenship
Environmental Scientist
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 420-3028 - Residence

- B. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by TXO Production Corp. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date:

NAME AND TITLE:



Ronald E. Dashner
District Drilling and Production Manager

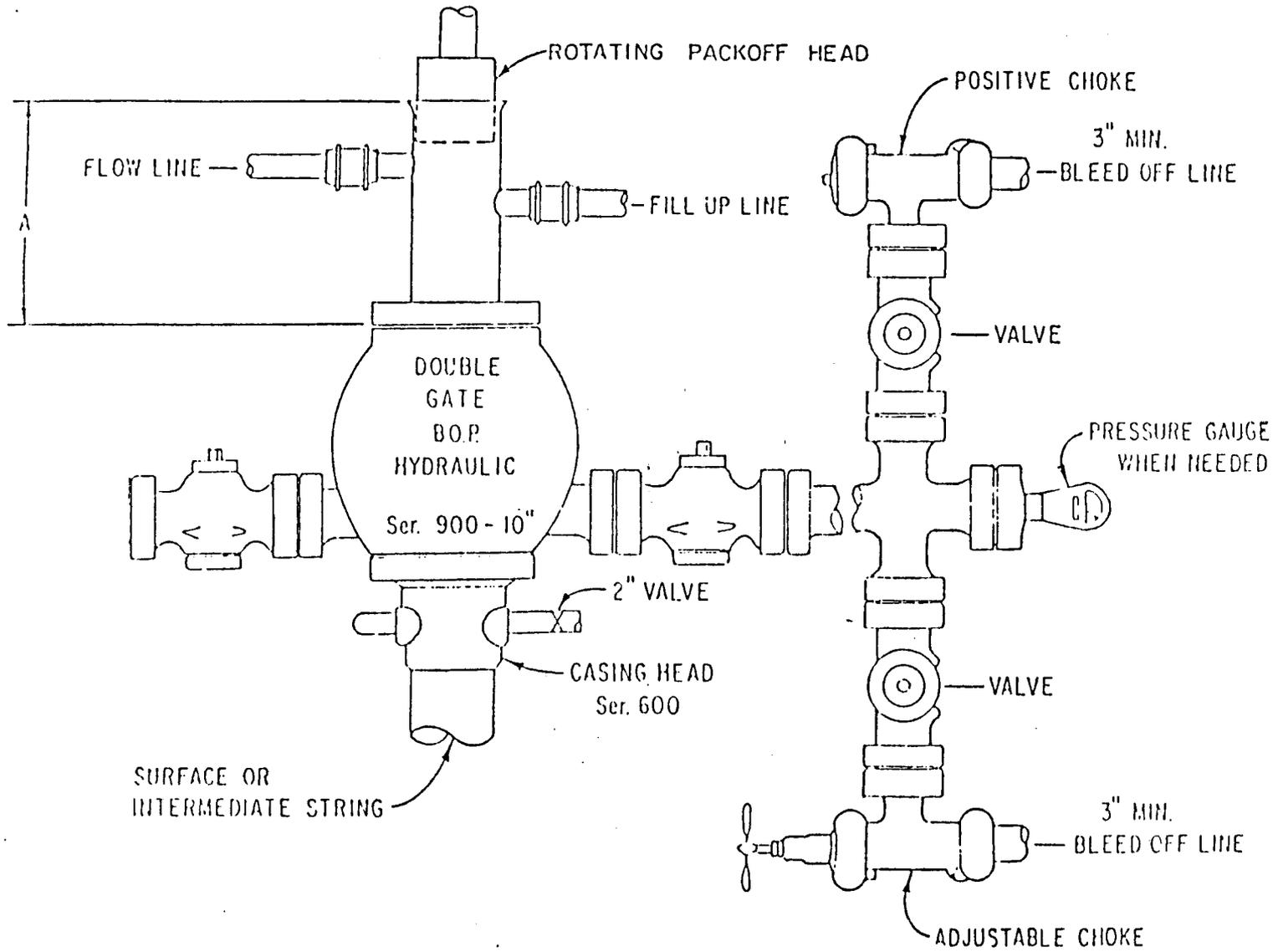
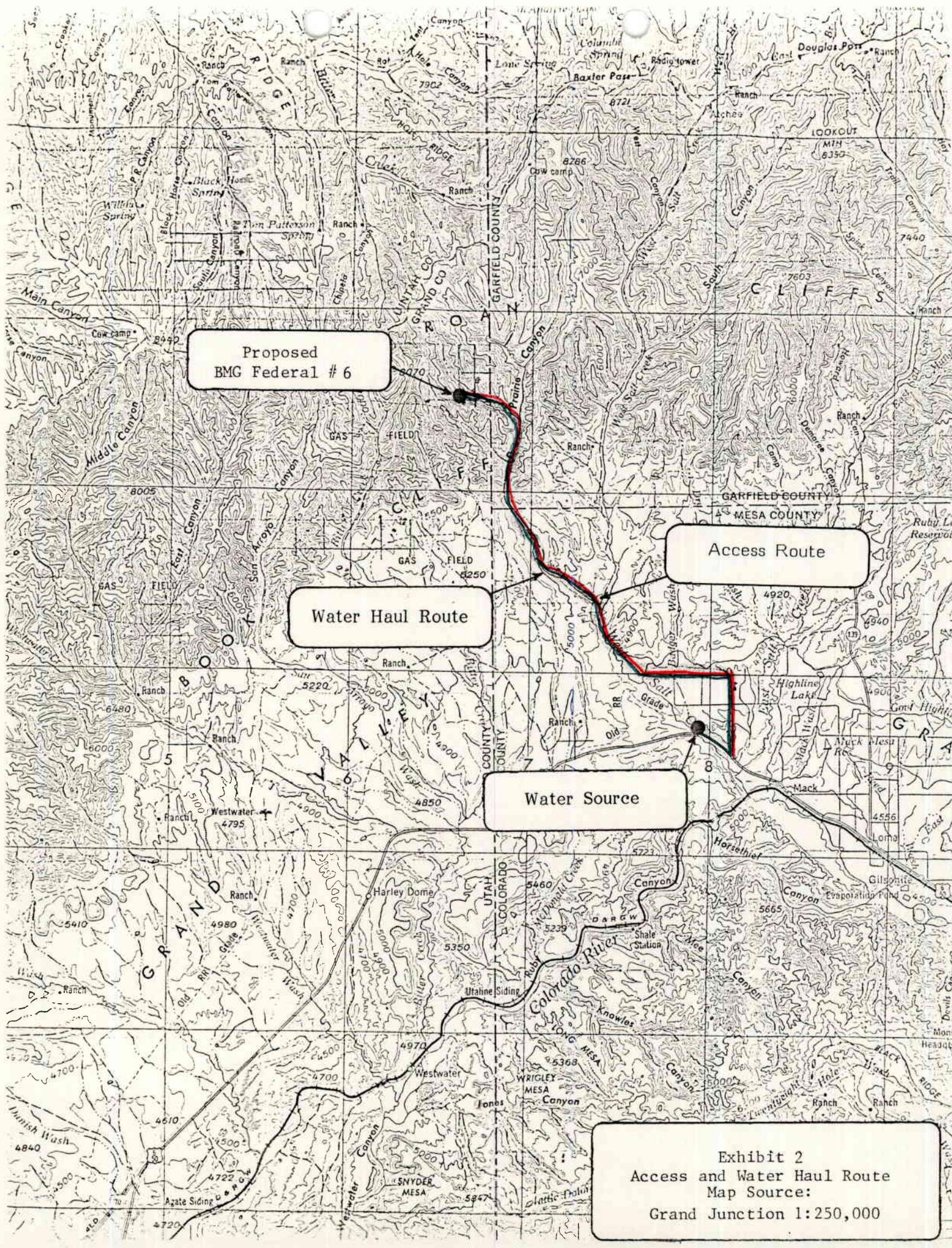


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM



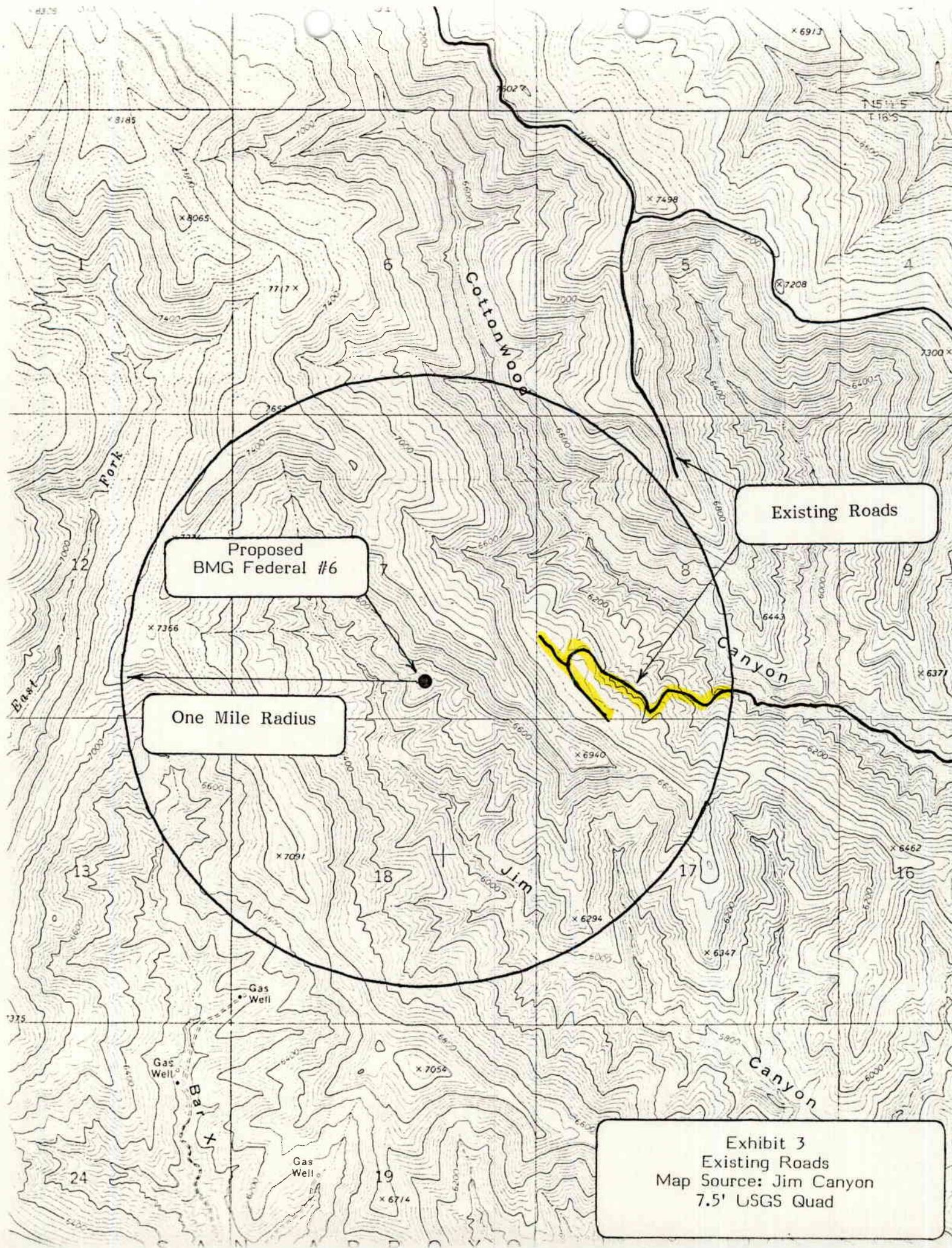
Proposed
BMG Federal # 6

Water Haul Route

Access Route

Water Source

Exhibit 2
Access and Water Haul Route
Map Source:
Grand Junction 1:250,000



Proposed
BMG Federal #6

Existing Roads

One Mile Radius

Exhibit 3
Existing Roads
Map Source: Jim Canyon
7.5' USGS Quad

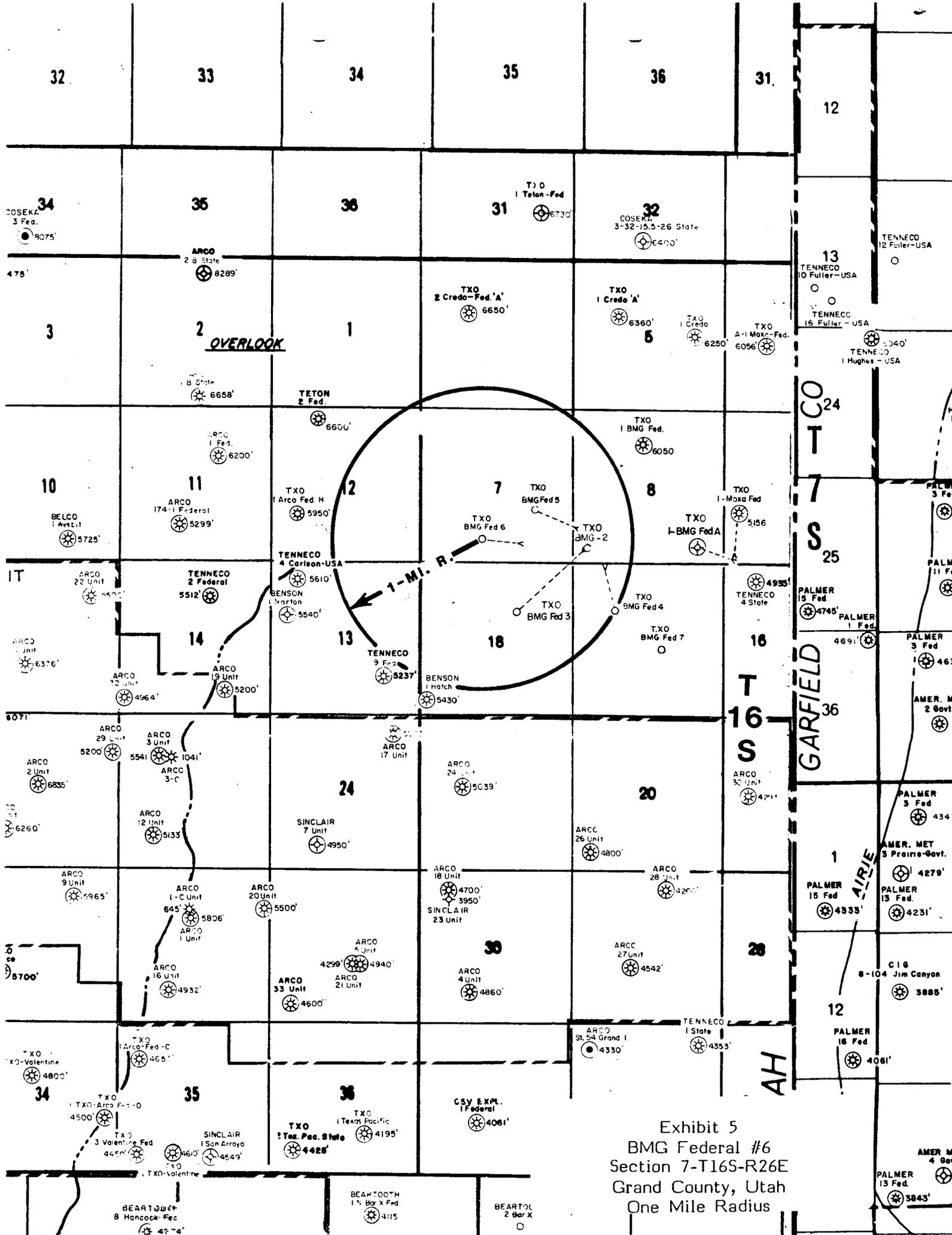
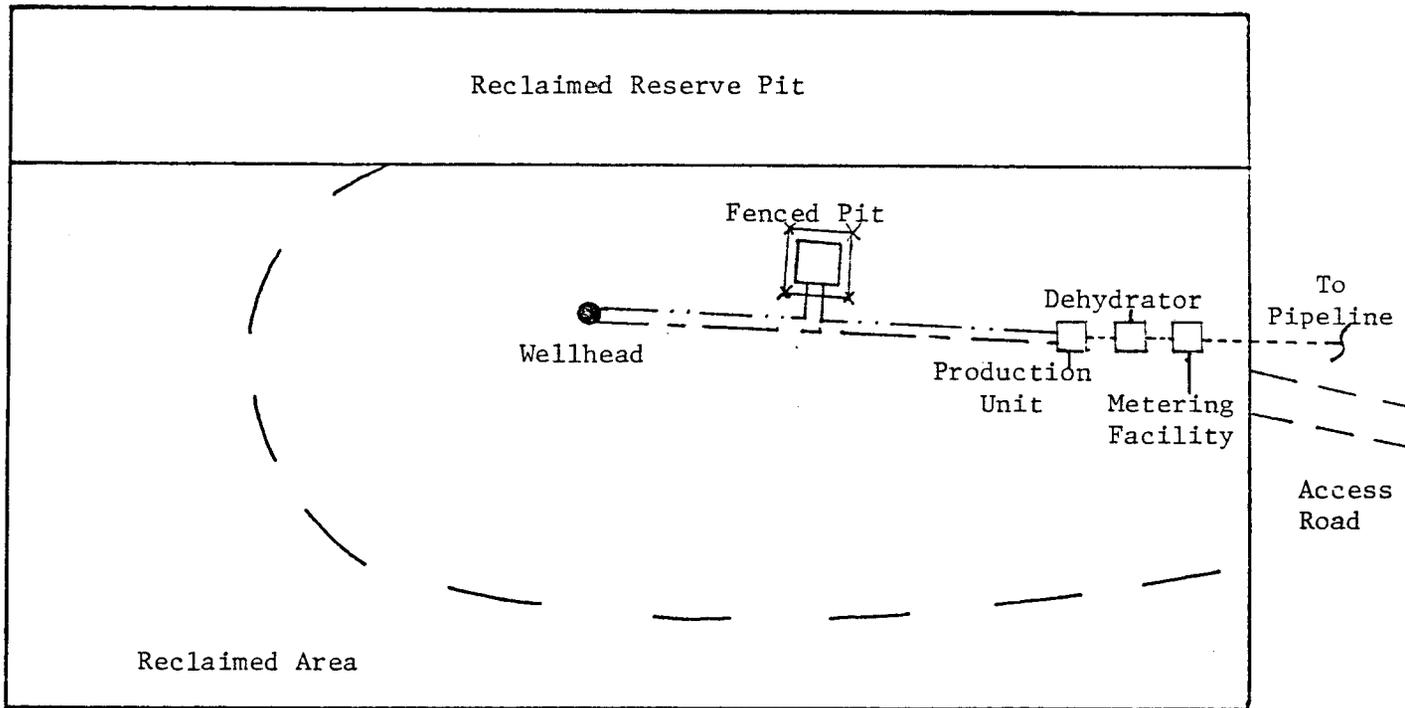


Exhibit 5
 BMG Federal #6
 Section 7-T16S-R26E
 Grand County, Utah
 One Mile Radius

AMER MET
 4 Govt
 PALMER
 13 Fed
 3843'



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.

Exhibit 6
 TXO Production Corp.
 BMG Federal #6
 Production Facilities

PIT & PAD LAYOUT

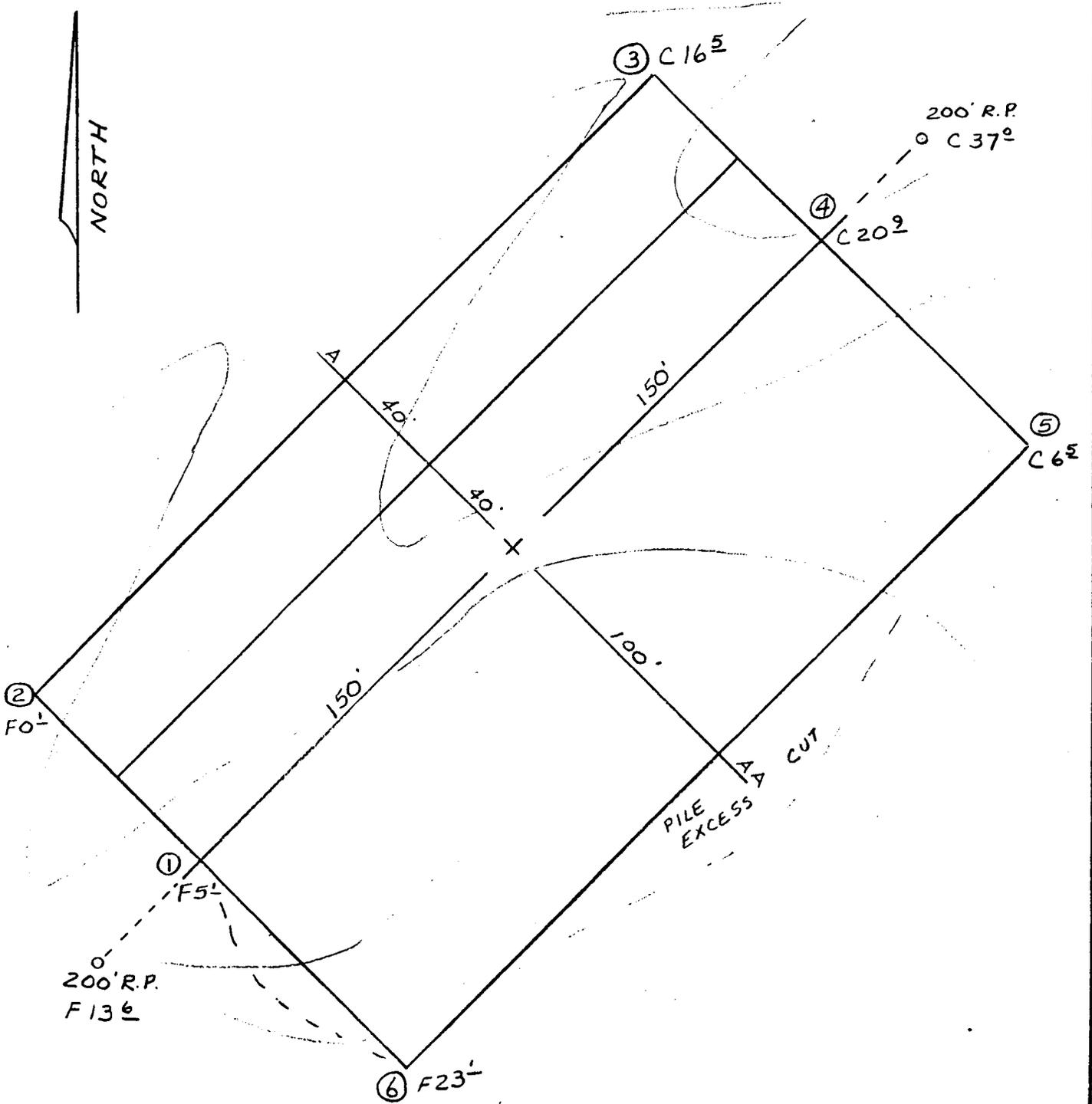


Exhibit 7a
Pit and Pad Lay-out

TXO PRODUCTION CORP.
BMG FEDERAL #6

SCALE
1" = 50'

NCE SURVEYS

DATE: 1-24-85

BMG #6
CROSS-SECTIONS

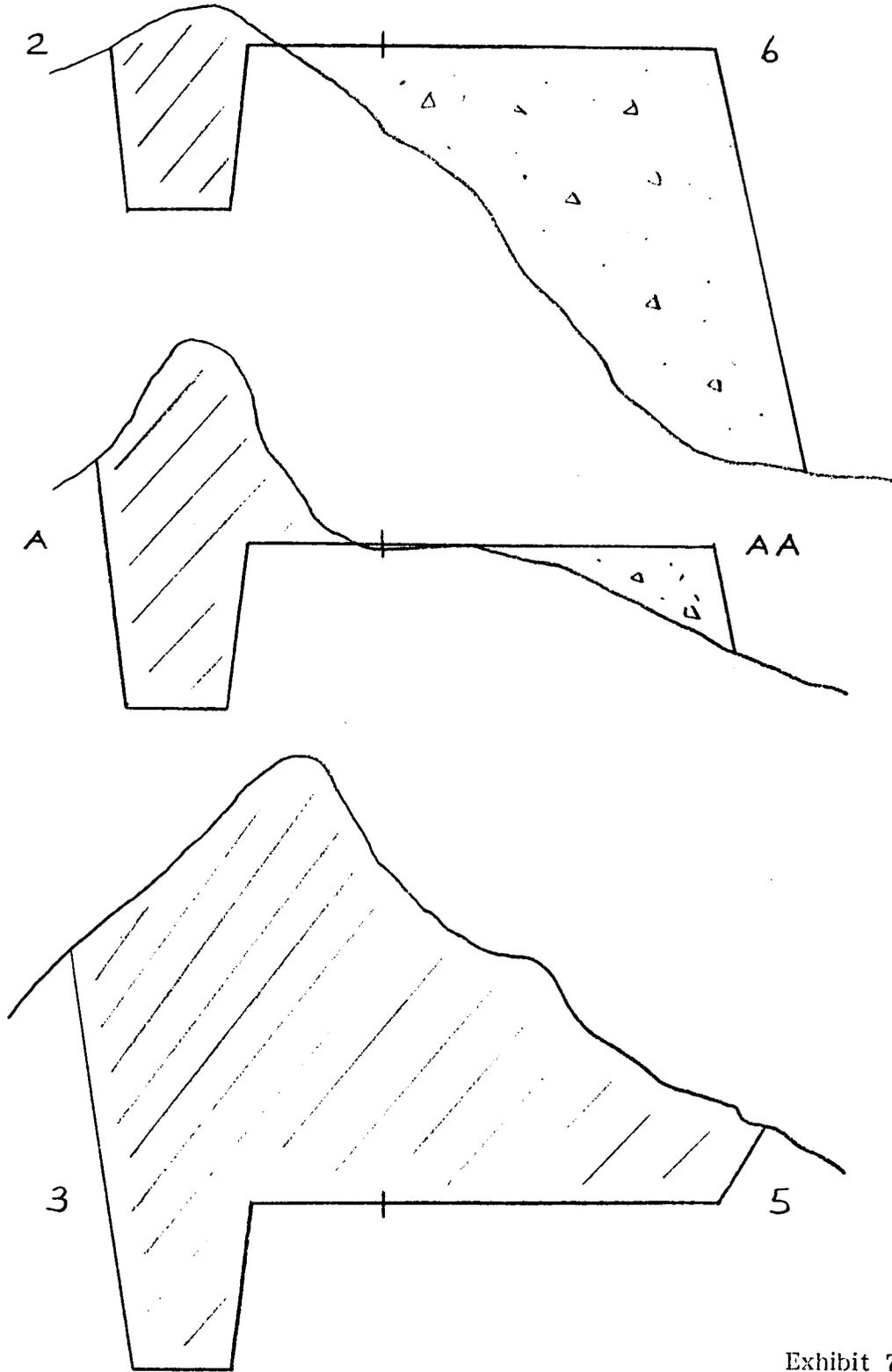
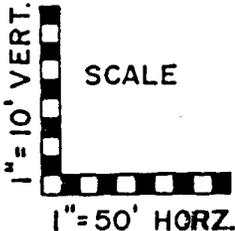


Exhibit 7b
Cross Sections



ESTIMATED QUANTITIES
CUT 12900 CU. YDS.
FILL 8200 CU. YDS.

NCE SURVEYS

DATE: 1-24-85

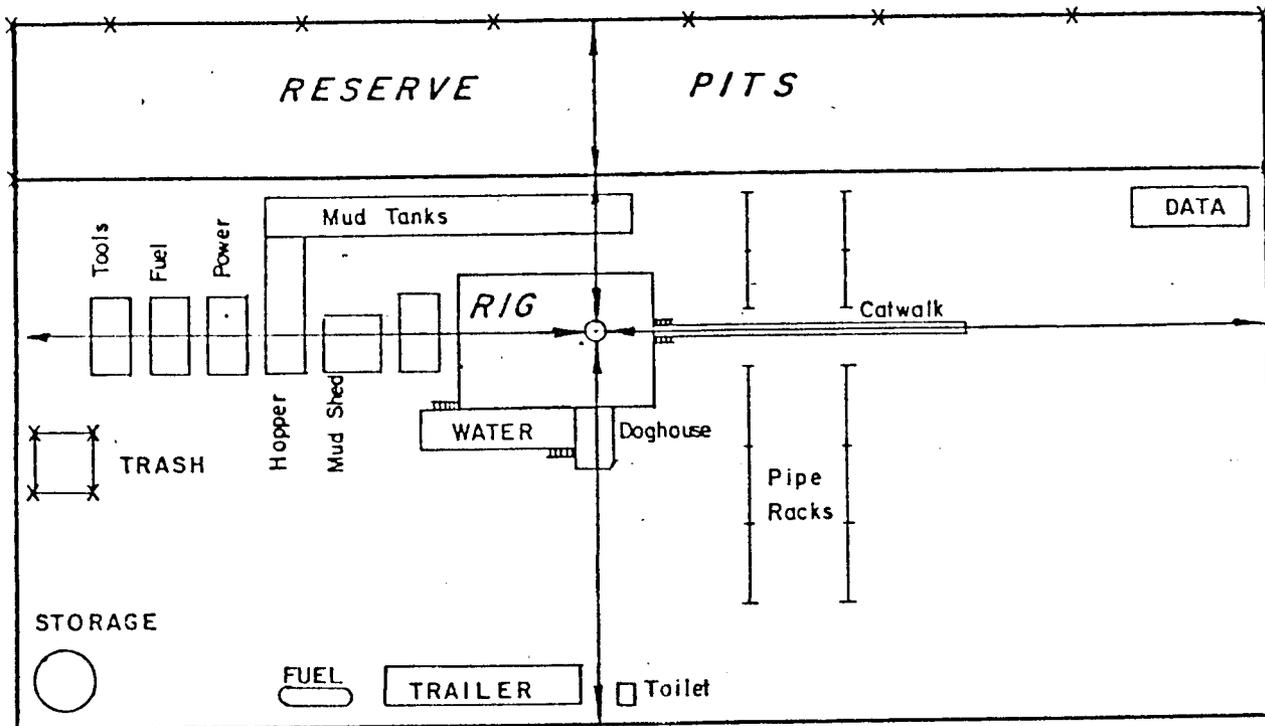


Exhibit 7c
Rig Layout



United States Department of the Interior

3162 (U-065)

BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

RECEIVED

APR 16 1985

APR 18 1985

**DIVISION OF OIL
GAS & MINING**

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Pam Kenna

Re: Requests on Status of Wells

Gentlemen:

We are replying to your requests for status on the following wells:

- 1) TXO Production Corporation
Well No. Book Cliffs 6
Sec. 33, T. 18 S., R. 22 E.
Lease U-036905

Their APD was approved April 24, 1984. We have no record of any drilling activity at this time. We will begin procedures for rescinding their APD after April 24, 1985.

- 2) Wesgra Corporation
Well No. Gebauer-Skeen 13
Sec. 7, T. 42 S., R. 19 E.
Lease U-7303

We are in the process of rescinding their APD.

- 3) Wesgra Corporation
Well No. Gebauer-Skeen 14
Sec. 7, T. 42 S., R. 19 E.
Lease U-7303

We are in the process of rescinding their APD.

- 4) Wesgra Corporation
Well No. Gebauer-Skeen 15
Sec. 7, T. 42 S., R. 19 E.
Lease U-7303

We are in the process of rescinding their APD.

- 5) TXO Production Corporation
Well No. Arco Federal "B" 2
Sec. 6, T. 16 S., R. 25 E.
Lease U-9831

This APD was reapproved on April 23, 1984. We have no record of any drilling activity at this time. We will begin procedures for rescinding their APD after April 23, 1985.

- 6) Transco Exploration Company
Well No. Bug Point 3-10
Sec. 10, T. 37 S., R. 26 E.
Lease U-31480

Transco Exploration Company does not plan to drill the SE Bug Point Well #3-10. Their APD was not approved but returned to the company per their request.

- 7) Wright's Drilling
Well No. Wright-Rogers 4
Sec. 28, T. 41 S., R. 18 E.
Lease U-39638

This APD was rescinded on March 22, 1985.

- 8) Tricentrol Resources, Inc.
Well No. Little Nancy Federal 3-41
Sec. 3, T. 38 S., R. 25 E.
Lease U-40053

We are in the process of rescinding their APD.

- 9) Tricentrol Resources, Inc.
Well No. Nancy Federal 11-22B
Sec. 11, T. 38 S., R. 25 E.
Lease U-40053

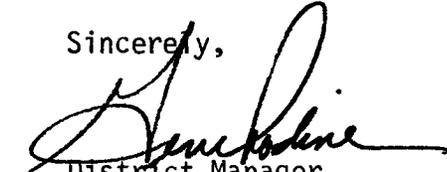
Their APD was approved May 30, 1984. We have no record of any drilling activity at this time. We will begin procedures for rescinding their APD after May 30, 1985.

- 10) Wright's Drilling
Well No. Wright-Rogers 2
Sec. 34, T. 41 S., R. 18 E.
Lease U-53336

Their APD was approved April 23, 1984. We have no record of any drilling activity at this time. We will begin procedures for rescinding their APD after April 23, 1985.

If you have any questions, please contact the Branch of Fluid Minerals
(801) 259-6111.

Sincerely,



District Manager

Rec'd MDO FEB 8 1985

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPPLICATE*

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 06 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN DIVISION PLUG BACK
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 GAS & MINING
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 TXO Production Corp. Attn: Terry L. Blankenship

3. ADDRESS OF OPERATOR
 1800 Lincoln Center Bldg. Denver, CO 80264 (303) 861-4246

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 680' FSL, 1920' FEL Sec. 7-T16S-R26E
 At proposed prod. zone
 Bottomhole: 800' FSL, 2140' FWL Sec. 7-T16S-R26E

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 800'

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. 2192'

19. PROPOSED DEPTH 5550' TVD

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6526' GR

22. APPROX. DATE WORK WILL START* June 1, 1985

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.
 6

10. FIELD AND POOL, OR WILDCAT
 San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 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
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			5550' TVD	

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Angle Established	1259'	102'	15.2°	1268'
Initial Objective	5100'	1157'	15.2°	5251'
Total Depth	5550'	1266'	15.2°	5666'

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 Ronald E. Dashner TITLE Drilling & Production Manager DATE Feb. 5, 1985
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Kenneth V. Rhee TITLE Acting District Manager DATE 02 MAY 1985

CONDITIONS OF APPROVAL, IF ANY:
 FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

TXO Production Corporation
BMG Fed #6
Sec. 7, T.16S., R.26E.
Grand County, Utah
U-05015-A

CONDITIONS OF APPROVAL

A. Drilling Program

1. The operator will contact the Grand Resource Area at (801)259-8193, forty-eight (48) hours prior to beginning any work on this location.
2. 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.
3. The spud date will be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
4. 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 directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.
5. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
6. 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 to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. If the 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. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.
8. 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 five (5) business days following the date on which the well is placed on production.
9. A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
10. 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 Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (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 Area Manager or his representative, or the appropriate surface managing agency.
11. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
12. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped.

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

"Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

B. Surface Use Program

1. Planned access will be built to the Bureau's Class III road standards (attached).
2. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.
3. The access road will be rehabilitated within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.
4. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

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

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

5. Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.
6. 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 (3) months on new meter installations and at least quarterly thereafter. The Area 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 Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
7. The top 8 inches of soil material will be removed from the location and stockpiled separately on the southern end of the reserve pit between sta 1 & 2 (Exhibits 7a, APD). Trees will be piled below access road adjacent to STA 5 (Exhibit 7a, APD).

8. Produced waste water will be confined to a pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
9. The reserve pit will be fenced with 3 strands of barbed wire. The fence will be kept in good repair while the pit is drying.
10. The operator or his contractor will notify the Grand Resource Area at (801)259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
11. 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.
12. "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.
13. The dirt contractor will be provided with an approved copy of the surface use plan.
14. A cultural resource clearance will be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.
15. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

w/ok

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-019-31181

NAME OF COMPANY: TXO PRODUCTION CORPORATION

WELL NAME: BMG FEDERAL # 6

SECTION 7 TOWNSHIP 16S RANGE 26E COUNTY GRAND

DRILLING CONTRACTOR VECO

RIG # 9

SPUDDED: DATE 6/11/85

TIME 3:00 am

HOW ROTARY

DRILLING WILL COMMENCE 6/11/85

REPORTED BY BRUCE WRIGHT

TELEPHONE # 303-861-4246

DATE 6/11/85 SIGNED SB

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 11, 1985

STATE OF UTAH
Division of Oil, Gas, and Mining
355 W. North Temple
Salt Lake City, Utah 84180

RE: BMG Federal #6
Section 7, T16S-R26E
Grand County, Utah

Gentlemen:

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

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

Sincerely,

TXO PRODUCTION CORP.

R. Bruce Wright

R. Bruce Wright
Petroleum Engineer

RBW/mjs
encls.

RECEIVED

JUN 17 1985

DIVISION OF OIL
& GAS & MINING



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 Corporation

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 680' FSL, 1920' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: 800' FSL, 2140' FWL

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

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

5. LEASE
U-05015-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
BMG Federal

9. WELL NO.
6

10. FIELD OR WILDCAT NAME
San Arroyo

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

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-31181

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6526' 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.)*

The above well was spudded at 3:00 a.m. on June 11, 1985. The drilling contractor is Veco Drilling, Inc. Rig #9. The spud was reported to Ms. Carol Freudiger in Moab, Utah at approximately 1:30 p.m. on June 11, 1985.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED R. Bruce Wright TITLE Area Engineer DATE 6-11-85
K. Bruce Wright

(This space for Federal or State office use)

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



TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

RECEIVED

JUL 03 1985

DIVISION OF OIL
GAS & MINING

June 27, 1985

STATE OF UTAH
Division of Oil, Gas, & Mining
355 West North Temple
Salt Lake City, Utah 84180

RE: BMG Federal #6
Section 7, T16S-R26E
Grand County, Utah

Gentlemen:

Please find enclosed three (3) copies of Form 9-331, "Sundry Notices and Reports on Wells" and three (3) copies of Form 9-330, "Well Completion or Recompletion Report and Log.", notifying you of the plugging of the above referenced well. The logs were forwarded by the logging company and a complete well history is attached.

If you require anything further, please contact me at the above number.

Sincerely,

TXO Production Corp.

Matthew C. Holdeman
Petroleum Engineer

CC: Form 9-331 (3) &
Form 9-330 (3)

MCH/sam



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-H355.5

14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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.

#6

10. FIELD AND POOL, OR WILDCAT

San Arroyo

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

Sec. 7, T16S-R26E

1a. TYPE OF WELL:

OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:

NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other P & A

2. NAME OF OPERATOR

TXO Production Corp.

3. ADDRESS OF OPERATOR

1800 Lincoln Center Bldg, Denver, CO 80264

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

At surface 680' FSL, 1920' FEL

At top prod. interval reported below

At total depth 844' FSL, 3234' FEL SESW

14. PERMIT NO.

43-019-31181

DATE ISSUED

2/19/85

15. DATE SPUNDED

6/11/85

16. DATE T.D. REACHED

6/24/85

17. DATE COMPL. (Ready to prod.)

6-25-85

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6526' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5642' MD 5429' TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

All

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE

yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-DIL, GR-SNP-FDC-CAL

27. WAS WELL CORED

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"	36.0#	325'	12 1/4"	100sx50/50Poz, 50sxCL'G"	None
7"	20.0#	2019'	8 3/4"	75sx50/50Poz, 75sxCL'G"	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
		PLA					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Well History

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

SIGNED Matthew C. Holdeman
Matthew C. Holdeman

TITLE Petroleum Engineer

DATE June 25, 1985

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

RECEIVED

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES JUL 03 1985
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY DIVISION OF OIL
GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
TXO Production Corp.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 680' FSL, 1920' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: 844' FSL, 3234' FEL

5. LEASE
U-05015-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
BMG Federal

9. WELL NO.
#6

10. FIELD OR WILDCAT NAME
San Arroyo

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

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

14. API NO.
43-019-31181

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6526' GR

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

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

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

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

TXO Production Corp. plugged and abandoned the BMG Federal #6 on 6/25/85 (as per verbal orders of Greg Noble @ 1:30 p.m. on 6/24/85 and 9:15 a.m. on 6/25/85). Plugs were as follows: 5287-5487' (40sx) and 1919-2119' (1/2 in & 1/2 out of 7" csg w/ 40sx). These plugs were set using the balanced plug method. The surface was capped off with a blanked off flange to facilitate re-entry into the well bore.

(Continued on Back)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED Matthew C. Holdeman TITLE Petroleum Engineer DATE June 25, 1985

(This space for Federal or State office use)

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

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

DATE: 7/2/85
BY: John R. Buge

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-149

LOCATIONS AND DEPTHS OF ENCOUNTERED ZONES

Zone	MD	TVD	Subsurface Location
Surface	0'	0'	
Kick-Off Point	475'	475'	680' FSL, 1920' FEL
Mancos	1800'	1736'	680' FSL, 1920' FEL
Mancos "B"	2392'	2286'	646' FSL, 2297' FEL
Base Mancos	3100'	2947'	613' FSL, 2531' FEL
Dakota Silt	5286'	5076'	655' FSL, 2753' FEL
Dakota	5387'	5175'	811' FSL, 3206' FEL
Morrison	5590'	5378'	821' FSL, 3217' FEL
TD	5642'	5429'	839' FSL, 3231' FEL 844' FSL, 3234' FEL

WELL NAME: BMG Federal #6
 AREA: San Arroyo
 LOCATION: SE SW Sec. 7, T16S-R26E
 COUNTY: Grand
 STATE: Utah
 FOOTAGE: 2140' FWL & 800' FSL

PTD: 5670'
 ELEVATIONS: 6539' KB, 6526' GL
 CONTRACTOR: Veco #9
 AFE NUMBER: 851810
 LSE NUMBER: 75869
 TXO WI: 75%

06/23/85
 cont.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4470'	9-1/2°	N 66 W	4272.24	1166.08	59.30		1165.88	
4595'	9-3/4°	N 64 W	4395.48	1185.80	68.13		1184.82	
4720'	9-1/4°	N 62 W	4518.77	1205.01	77.49		1203.20	
4841'	9-3/4°	N 60 W	4628.11	1223.34	87.18		1220.67	
4962'	10-1/4°	N 58 W	4757.27	1242.32	98.00		1238.68	

06/24/85 5452' (464'), drlg. Dakota. Dust 180#. Drld to 5174'. TOOH & LD
 stabilization. TIH & resumed drlg. 90 second trip flare @ 5174'.
 Dakota Silt @ 5286' MD, 5076' TVD. Dakota @ 5387' MD, 5176' TVD. DW:
 11,150. CW: 248,380. DD 14.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
5086'	11°	N 57 W	4879.17	1262.72	110.28		1257.96	
5149'	11°	N 55 W	4940.99	1273.29	117.01		1267.93	
5222'	10°	N 53 W	5012.76	1284.77	124.82		1278.69	
5315'	8-1/4°	N 47 W	5104.58	1296.93	134.30		1289.98	
5407'	6-1/2°	N 45 W	5195.82	1306.16	142.50		1298.47	

06/25/85 5642' (190'), TIH w/ drill pipe to plug. Air dust 180#. Drilled
 5452-5642'. Short trip 6 stnds. TIH to btm, no fill. TOOH to log.
 RU Gearhart. Log. RD Gearhart. TIH w/ DC's. LD 17 DC's. Start TIH
 w/ DP. Fm top Morrison @ 5590' MD, 5377.65' TVD. DW: 20,030. CW:
 268,410. DD 15.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
5499'	6-1/2°	N 33 W	5287.23	1313.39	150.59		1305.02	
5642'	6-1/2°	N 33 W	5429.31	1324.05	164.17		1313.84	

06/26/85 5642' (0'), release rig. Morrison. Finish TIH w/ DP to 5490'. Fill
 hole w/ mud. RU Western. Set 40 sxs plug from 5487-5287'. TOOH to
 2120' & set 40 sxs plug from 2119-1919' (1/2 in & 1/2 out of 7" csg).
 TOOH & LD DP. ND BOP. Install blind flange. Rel rig @ 6 PM on
 6/25/85. FINAL REPORT!!! DW: 8095. CW: 276,505. DD 16.

WELL NAME: BMG Federal #6
 AREA: San Arroyo
 LOCATION: SE SW Sec. 7, T16S-R26E
 COUNTY: Grand
 STATE: Utah
 FOOTAGE: 2140' FWL & 800' FSL

PTD: 5670'
 ELEVATIONS: 6539' KB, 6526' GL
 CONTRACTOR: Veco #9
 AFE NUMBER: 851810
 LSE NUMBER: 75869
 TXO WI: 75%

06/19/85
 cont.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2463'	24-1/2°	N 79 W	2342.57'	631.15		61.61		640.26
2523'	23-1/4°	N 79 W	2397.43'	655.32		56.97		664.18
2583'	22-1/4°	N 79 W	2452.77'	678.42		52.54		686.87
2676'	20-1/4°	N 80 W	2539.44'	712.81		46.40		720.01
2768'	18-1/4°	N 79 W	2626.29'	742.23		40.88		749.83

06/20/85 3228' (425'), drlg. Mancos. Dust 150#. Drill from 2138-3196', bit quit. TOOH. Changed stabilization for 30° angle builder. TIH. Drill from 3196-3228'. Light angle building assembly bit, near bit 3 pt roller reamer, monel, one 5-7/8" IBS, DC, full gauge IBS, 16 DC's. Drill to 3228'. Fm tops: Mancos Base 3100' MD, 2947.02' TVD. DW: 13,300. CW: 212,530. DD 10.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2862'	16°	N 79 W	2716.12'	769.78		35.59		777.00
2954'	14-1/4°	N 79 W	2804.93'	793.68		31.01		800.57
3047'	13°	N 79 W	2895.31'	815.49		26.83		822.07
3140'	12-1/4°	N 80 W	2986.06'	835.74		23.13		842.06
3203'	12-3/4°	N 81 W	3047.56'	849.35		20.88		855.50

06/21/85 4109' (881'), drlg. Mancos. Dust 170#. DW: 7750. CW: 220,280. DD 11.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
3294'	13-1/2°	N 80 W	3136.19'	869.96		17.47		875.88
3388'	14°	N 79 W	3227.49'	892.22		13.40		897.85
3511'	15°	N 79 W	3346.58'	922.88		7.52		928.08
3632'	15-1/2°	N 79 W	3463.32'	954.57		1.45		959.32
3751'	16-1/4°	N 77 W	3577.78'	986.92		5.32		991.16
3874'	16-3/4°	N 76 W	3695.71'	1021.52		13.47		1025.13
3996'	16-3/4°	N 75 W	3812.53'	1056.26		22.28		1059.17

06/22/85 4434' (325'), running survey. Mancos. Dust 170#. Drld to 4345'. Unable to control angle drop. TOOH. LD pendulum assembly. PU & TIH w/ bit, 6 pt reamer, IBS, monel, IBS, 1 DC, 3 pt reamer, 16 DC's & DP. Reamed from 4170-4345'. Resumed drlg. DW: 8300. CW: 228,580. DD 12.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4121'	17°	N 74 W	3932.15	1092.00		31.97		1094.13
4223'	15°	N 70 W	4030.20	1119.46		40.65		1120.87
4310'	11-1/2°	N 67 W	4114.86	1138.63		47.96		1139.41
4409'	10°	N 67 W	4212.12	1156.25		55.18		1156.41

06/23/85 4988' (554'), drlg. Mancos "B". Dust 170#. Unable to run survey. TOOH. Survey tool was stacking out on 3 pt reamer & DC. Didn't make up flush. Changed out 3 pt reamer. TIH. Resumed drlg. DW: 8650. CW: 237,230. DD 13.

WELL NAME: BMG Federal #6
 AREA: San Arroyo
 LOCATION: SE SW Sec. 7, T16S, R26E
 COUNTY: Grand
 STATE: Utah
 FOOTAGE: 2140' FWL & 800' FSL

PTD: 5670'
 ELEVATIONS: 6539' KB, 6526' GL
 CONTRACTOR: Veco #9
 WFE NUMBER: 851810
 LSE NUMBER: 75869
 TXO WI: 75%

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JUL 03 1985

06/15/85
 cont.

DIVISION OF OIL
 GAS & MINING

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
1397'	21-1/4°	S 83 W	1363.05'	223.97		9.90		226.03
1491'	21-3/4°	S 82 W	1450.51'	257.52		14.40		260.18
1612'	22-1/4°	S 81 W	1552.60'	301.48		21.10		305.01
1734'	23°	S 80 W	1675.31'	346.79		28.84		351.30
1828'	23-1/4°	S 79 W	1761.75'	382.25		35.57		387.60
1921'	23°	S 78 W	1847.28'	417.16		42.85		423.39
2010'	23°	S 78 W	1929.21'	450.30		50.08		457.40

06/16/85 2045' (21'), TIH w/ motor #3. Mancos. Air mist @ 200#. Fin LD DC. RU & ran 7" csg. RU Western & cmt'd csg. Ran 68 jts 7", 20#, K-55, ST&C csg from 0-2019'. Shoe set @ 2019', float set @ 1994'. Pumped 85 bbls mud, 10 bbls mud flush. Cmt'd w/ 75 sxs 50/50 poz, w/ 2% gel, 2% CaCl₂, & 1/4#/sxc celloflake. Tail w/ 75 sxs C1 "G" w/ 2% gel, 2% CaCl₂, & 1/4#/sxc celloflake. Dspl w/ 81 BW. PD @ 11:47 AM 6/15/85. BP @ 500#. Float held. Full returns. ND BOP's. Set slips. Cut csg. NU & test BOP, 1000# for 15 min, OK. TIH. Drill float collar & shoe. Drld to 2045'. TOOH & PU motor #3 w/ 1-1/2° bent sub & TIH. DW: 44,090. CW: 161,140. DD 6.

06/17/85 2210' (165'), drlg. Mancos. Air mist @ 230#. Fin TIH w/ motor #3. Drld from 2045-59'. Made connection. Worked tight hole. Made 8 stnd short trip. Reamed to btm. Drld to 2091'. Had tight hole again. Unable to get back to btm. TOOH & LD motor. PU & TIH w/ bit, 3 pt reamer, monel, IBS, 1 DC, IBS, 13 DC's, jars, 3 DC's & DP. Reamed to btm & resumed drlg. DW: 14,445. CW: 175,585. DD 7.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2121'	22-3/4°	S 80 W	2031.48'	491.65		58.31		499.76
2183'	23-1/2°	S 81 W	2088.58'	515.15		62.33		532.77

06/18/85 2399' (189'), drlg w/ mtr. Mancos "B". Air mist 380#. Drld to 2274' varying wt & RPM to control angle & direction. Unable to control direction. TOOH & LD BHA. PU & TIH w/ mtr #4 & 1-1/2° bent sub. Drld to 2398'. Bit quit drlg. PU new bit & TIH. Had plugged bit. TOOH. Unplugged bit. TIH & resumed drlg. Mancos "B" @ 2392' MD, 2286' TVD. DW: 13,025. CW: 188,610. DD 8.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2249'	24-3/4°	S 81 W	2148.73'	541.25		66.55		550.42
2295'	25°	S 85 W	2190.46'	560.13		68.91		569.62
2326'	25-1/4°	W	2218.53'	573.16		69.48		582.76
2357'	25-3/4°	N 86 W	2246.51'	586.47		69.02		596.10

06/19/85 2803' (404'), drlg. Mancos "B". Dust 150#. Drld to 2411' w/ mtr. Unable to drill any further w/ mtr. TOOH. LD mtr. PU & TIH w/ bit, 6 pt reamer, IBS, monel, IBS, 1 DC, 3 pt reamer, 13 DC's, jars, 3 DC's, & DP. Washed & reamed from 2274' to btm. Resumed drlg. DW: 10,620. CW: 199,230. DD 9.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2401'	25°	N 79 W	2286.32'	605.19		66.56		614.66

WELL NAME: BMG Federal #6
 AREA: San Arroyo
 LOCATION: SE SW Sec. 7, T16S-R26E
 COUNTY: Grand
 STATE: Utah
 FOOTAGE: 2140' FWL & 800' FSL

PTD: 5670'
 ELEVATIONS: 6539' KB, 6526' GL
 CONTRACTOR: Veco #9
 AFE NUMBER: 851810
 LSE NUMBER: 75869
 TXO WI: 75%

RECEIVED

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

Just Mail

JUL 03 1985

 GAS & MINING

06/11/85 115' (115'), drlg. Mesaverde. Air dust 50#. Finished RU. Drill RH & MH. Spudded 12-1/4" hole @ 3 AM 6/11/85. Drld ahead to 115'. DW: 53,675. CW: 53,675. DD 1.

06/12/85 331' (216'), NU BOP. Mesaverde. Air dust 50#. Drld to 331'. Dig out cellar. RU & run 8 jts 9-5/8", 36#, K-55, ST&C csg from 0-325'. RU Western & cmtd csg. Pumped 30 bbls of mud, 5 bbls of H₂O. Cmtd w/ 100 sxs 50/50 poz w/ 2% gel, 2% CaCl₂, 1/4#/sxs celloflake. Tail w/ 50 sxs C1 "G" w/ 2% CaCl₂, 1/4#/sxs celloflake. Dspl w/ 23.5 BW. PD @ 4:35 PM on 6/11/85. BP @ 800#. Float held. Full returns. Shoe set @ 325', float set @ 301'. WOC for 4 hrs. NU BOP & tested to 1000# for 15 min, OK. 1° @ 331'. DW: 17,915. CW: 71,590. DD 2.

06/13/85 616' (285'), drlg w/ Baker motor (300# air mist). Mesaverde. Finished NU & test blind rams to 1000# for 15 mins, all held. PU BH collars & drill FC & shoe. TOOH for directional tools & #1 motor w/ 2° bent sub. Drill from 500-552'. Motor quit. TOOH. PU #2 motor w/ 1-1/2° bent sub. TIH, drill from 552-616' & drlg ahead. DW: 19,860. CW: 91,450. DD 3.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
475'	1°	S 69 W	475.00					
512'	2-1/2°	S 79 W	511.98	1.05		.31		.108
542'	4°	West	541.93	2.72		.47		2.78
573'	5-1/4°	S 88 W	572.83	5.20		.52		5.27

06/14/85 1111' (495'), drlg. Mesaverde. Air mist 200#. Drld w/ mtr from 616-635'. Mtr quit. TOOH. PU & TIH w/ bit, near-bit IBS, 3 DC, IBS, DC, IBS. Drld to 1105'. Unable to control walk to left. TOOH. PU & TIH w/ bit, near-bit IBS, monel, IBS, 1 DC, IBS, 11 DC's, jars & 3 DC's. DW: 14,425. CW: 105,875. DD 4.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
653'	7-3/4°	N 88 W	652.31	14.21		.52		14.33
716'	9-3/4°	N 87 W	714.57	23.78		.10		23.90
810'	12°	N 89 W	806.88	41.47	.52			41.62
872'	13-1/4°	N 89 W	867.38	54.98	.76			55.17
965'	15-3/4°	S 89 W	957.41	78.15	.76			78.45
1027'	17-1/2°	S 88 W	1016.82	95.75	.29			96.19
1089'	19-1/4°	S 86 W	1075.65	115.07		.73		115.70
1152'	21°	S 86 W	1134.80	136.45		2.24		137.33

06/15/85 2024' (913'), LD DC to run 7" csg. Mancos. Air mist 200#. TD 8-3/4" hole. Made 6 stnd short trip. Hole tight, 15' of fill. Circ & blew hole clean. TOOH. Began LD DC. Castlegate @ 1595' MD, 1546' TVD. Mancos @ 1800' MD, 1736' TVD. DW: 11,175. CW: 117,050. DD 5.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
1214'	21-1/4°	S 86 W	1192.64'	158.48		3.80		159.62
1306'	21-1/2°	S 85 W	1278.31'	191.49		6.43		193.04

CUSTOMER : T. X. O. PRODUCTION COMPANY

WELL # : BMG NO. 6

LOCATION : GRAND COUNTY, UTAH

DATE : 6-13-85

JOB TYPE : DIRECTIONAL

JOB # : D-2225

SURVEYOR : R. NICKEL & T. BASEFLUG

DEPTHS : 475-5642

DECL. : 14 DEGREES EAST

ELEV. : 0'

FILE # : RM-B155

METHOD : RADIUS OF CURVATURE

SECTION : N84.38W



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

----- DIG REPRESENTATIVE ----- #
#*****

FINAL STATION DATA!

MEASURED	INCL.	HOLE	COURSE	TRUE	VERTICAL	VERTICAL	RECTANGULAR	CLOSURE	DOG-LEG	
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SECTION	COORDINATES	DISTANCE	DIRECTION	SEVERITY	
FEET	DEGS.	DEGS.	FEET	FEET	FEET	N/S feet	E/W	FEET	DEGS.	
									DG/100FT	
5642.00	6.50	N 33.00 W	143.00	5429.30	1323.61	164.17 N	1313.85 W	1324.07	at N 82.87 W	0.00

MEASURED INCL. HOLE COURSE TRUE VERTICAL RECTANGULAR CLOSURE DOG-LEG
 DEPTH ANGLE DIRECTION LENGTH DEPTH SECTION COORDINATES DISTANCE DIRECTION SEVERITY
 FEET DEGS. DEGS. FEET FEET FEET N/S feet E/W FEET DEGS. DG/100FT

475.00	1.00	S 69.00 W	0.00	475.00	0.00	0.00 N	0.00 E	0.00at N 00.00 E	0.00
512.00	2.50	S 79.00 W	37.00	511.98	1.05	.31 S	1.08 W	1.13at S 74.00 W	4.12
542.00	4.00	S 90.00 W	30.00	541.93	2.72	.47 S	2.78 W	2.82at S 80.31 W	5.39
573.00	5.25	S 88.00 W	31.00	572.83	5.20	.52 S	5.27 W	5.30at S 84.39 W	4.07
653.00	7.75	N 88.00 W	80.00	652.31	14.21	.52 S	14.33 W	14.34at S 87.93 W	3.17

716.00	9.75	N 87.00 W	63.00	714.57	23.78	.10 S	23.90 W	23.90at S 89.76 W	3.18
810.00	12.00	N 89.00 W	94.00	806.88	41.47	.52 N	41.62 W	41.63at N 89.28 W	2.43
872.00	13.25	N 89.00 W	62.00	867.38	54.98	.76 N	55.17 W	55.18at N 89.21 W	2.02
965.00	15.75	S 89.00 W	93.00	957.41	78.15	.76 N	78.45 W	78.46at N 89.44 W	2.74
1027.00	17.50	S 88.00 W	62.00	1016.82	95.75	.29 N	96.19 W	96.19at N 89.82 W	2.86

1089.00	19.25	S 86.00 W	62.00	1075.65	115.07	.73 S	115.70 W	115.70at S 89.63 W	3.00
1152.00	21.00	S 86.00 W	63.00	1134.80	136.45	2.24 S	137.33 W	137.34at S 89.06 W	2.78
1214.00	21.25	S 86.00 W	62.00	1192.64	158.48	3.80 S	159.62 W	159.66at S 88.63 W	.40
1306.00	21.50	S 85.00 W	92.00	1278.31	191.49	6.43 S	193.04 W	193.15at S 88.09 W	.48
1397.00	21.25	S 83.00 W	91.00	1363.05	223.97	9.90 S	226.03 W	226.24at S 87.49 W	.85

1491.00	21.75	S 82.00 W	94.00	1450.51	257.52	14.40 S	260.18 W	260.58at S 86.83 W	.66
1612.00	22.25	S 81.00 W	121.00	1562.70	301.48	21.10 S	305.01 W	305.74at S 86.04 W	.52
1734.00	23.00	S 80.00 W	122.00	1675.31	346.79	28.84 S	351.30 W	352.48at S 85.30 W	.69
1828.00	23.25	S 79.00 W	94.00	1761.75	382.25	35.57 S	387.60 W	389.23at S 84.75 W	.50
1921.00	23.00	S 78.00 W	93.00	1847.28	417.16	42.85 S	423.39 W	425.55at S 84.22 W	.50

2010.00	23.00	S 78.00 W	89.00	1929.21	450.30	50.08 S	457.40 W	460.14at S 83.75 W	0.00
2121.00	22.75	S 80.00 W	111.00	2031.48	491.65	58.31 S	499.76 W	503.15at S 83.34 W	.74
2183.00	23.50	S 81.00 W	62.00	2088.50	515.15	62.33 S	523.77 W	527.47at S 83.21 W	1.37
2249.00	24.75	S 81.00 W	66.00	2148.73	541.25	66.55 S	550.42 W	554.43at S 83.10 W	1.89
2295.00	25.00	S 85.00 W	46.00	2190.46	560.13	68.91 S	569.62 W	573.77at S 83.10 W	3.70

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MEASURED # INCL. # HOLE # COURSE # TRUE # VERTICAL # VERTICAL # RECTANGULAR # C L O S U R E # DOG-LEG
DEPTH # ANGLE # DIRECTION # LENGTH # DEPTH # SECTION # C O O R D I N A T E S # DISTANCE DIRECTION # SEVERITY
FEET # DEGS. # DEGS. # FEET # FEET # FEET # N/S feet E/W # FEET DEGS. # DG/100FT
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2326.00	25.25	S 90.00 W	31.00	2218.53	573.16	69.48 S	582.76 W	586.89at S	83.20 W	6.89
2357.00	25.75	N 86.00 W	31.00	2246.51	586.47	69.02 S	596.10 W	600.08at S	83.39 W	5.78
2401.00	25.00	N 79.00 W	44.00	2286.26	605.31	66.56 S	614.78 W	618.37at S	83.82 W	7.02
2463.00	24.50	N 79.00 W	62.00	2342.57	631.15	61.61 S	640.26 W	643.22at S	84.50 W	.81
2523.00	23.25	N 79.00 W	60.00	2397.43	655.33	56.97 S	664.10 W	666.54at S	85.09 W	2.08

2583.00	22.25	N 79.00 W	60.00	2452.76	678.43	52.55 S	686.88 W	688.88at S	85.62 W	1.67
2676.00	20.25	N 80.00 W	93.00	2539.44	712.01	46.40 S	720.02 W	721.51at S	86.31 W	2.19
2768.00	18.25	N 79.00 W	92.00	2626.29	742.23	40.88 S	749.84 W	750.95at S	86.87 W	2.20
2862.00	16.00	N 79.00 W	94.00	2716.12	769.79	35.59 S	777.01 W	777.82at S	87.37 W	2.39
2954.00	14.25	N 79.00 W	92.00	2804.92	793.68	31.01 S	800.57 W	801.17at S	87.78 W	1.90

3047.00	13.00	N 79.00 W	93.00	2895.31	815.49	26.83 S	822.07 W	822.51at S	88.13 W	1.34
3140.00	12.25	N 80.00 W	93.00	2986.06	835.75	23.13 S	842.06 W	842.38at S	88.42 W	.84
3203.00	12.75	N 81.00 W	63.00	3047.56	849.35	20.88 S	855.51 W	855.76at S	88.60 W	.86
3294.00	13.50	N 80.00 W	91.00	3136.19	869.97	17.47 S	875.89 W	876.06at S	88.85 W	.86
3388.00	14.00	N 79.00 W	94.00	3227.49	892.23	13.40 S	897.86 W	897.96at S	89.14 W	.59

3511.00	15.00	N 79.00 W	123.00	3346.57	922.89	7.52 S	928.09 W	928.12at S	89.53 W	.81
3632.00	15.50	N 79.00 W	121.00	3463.31	954.58	1.45 S	959.33 W	959.33at S	89.91 W	.41
3751.00	16.25	N 77.00 W	119.00	3577.77	986.92	5.32 N	991.17 W	991.18at N	89.69 W	.78
3874.00	16.75	N 76.00 W	123.00	3695.71	1021.53	13.47 N	1025.14 W	1025.22at N	89.24 W	.47
3996.00	16.75	N 75.00 W	122.00	3812.53	1056.27	22.28 N	1059.18 W	1059.41at N	88.79 W	.24

4121.00	17.00	N 74.00 W	125.00	3932.15	1092.01	31.97 N	1094.14 W	1094.61at N	88.32 W	.31
4223.00	15.00	N 70.00 W	102.00	4030.19	1119.47	40.66 N	1120.87 W	1121.61at N	87.92 W	2.24
4310.00	11.50	N 67.00 W	87.00	4114.86	1138.64	47.97 N	1139.42 W	1140.43at N	87.58 W	4.10
4409.00	10.00	N 67.00 W	99.00	4212.12	1156.26	55.18 N	1156.42 W	1157.73at N	87.26 W	1.52
4470.00	9.50	N 66.00 W	61.00	4272.24	1166.09	59.30 N	1165.89 W	1167.40at N	87.08 W	.87

 MEASURED INCL. HOLE COURSE TRUE VERTICAL RECTANGULAR CLOSURE DOG-LEG
 DEPTH ANGLE DIRECTION LENGTH DEPTH SECTION COORDINATES DISTANCE DIRECTION SEVERITY
 FEET DEGS. DEGS. FEET FEET FEET N/S Feet E/W FEET DEGS. DG/100FT

4595.00	9.75	N 64.00 W	125.00	4395.48	1185.81	68.13 N	1184.83 W	1186.79at N 86.70 W	.33
4720.00	9.25	N 62.00 W	125.00	4518.77	1205.02	77.50 N	1203.21 W	1205.71at N 86.31 W	.48
4841.00	9.75	N 60.00 W	121.00	4638.11	1223.35	87.18 N	1220.68 W	1223.79at N 85.91 W	.50
4961.00	10.25	N 58.00 W	120.00	4756.28	1242.18	97.91 N	1238.54 W	1242.40at N 85.47 W	.51
5086.00	11.00	N 57.00 W	125.00	4879.14	1262.73	110.29 N	1257.98 W	1262.80at N 84.98 W	.62

5149.00	11.00	N 55.00 W	63.00	4940.98	1273.31	117.02 N	1267.94 W	1273.33at N 84.72 W	.61
5222.00	10.00	N 53.00 W	73.00	5012.76	1284.78	124.83 N	1278.70 W	1284.78at N 84.42 W	1.46
5315.00	8.25	N 47.00 W	93.00	5104.58	1296.95	134.31 N	1290.00 W	1296.97at N 84.05 W	2.14
5407.00	6.50	N 45.00 W	92.00	5195.81	1306.21	142.51 N	1298.49 W	1306.29at N 83.73 W	1.92
5499.00	6.50	N 33.00 W	92.00	5287.22	1313.51	150.59 N	1305.03 W	1313.69at N 83.41 W	1.47

STATION AT 5642 IS NOT ACTUAL SURVEY BUT A PROJECTION FROM THE FINAL SURVEY FROM 5499

5642.00	6.50	N 33.00 W	143.00	5429.30	1323.61	164.17 N	1313.85 W	1324.07at N 82.87 W	0.00
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CLOSURE DISTANCE = 1324.07 FEET.
 CLOSURE DIRECTION = N 82.88 W

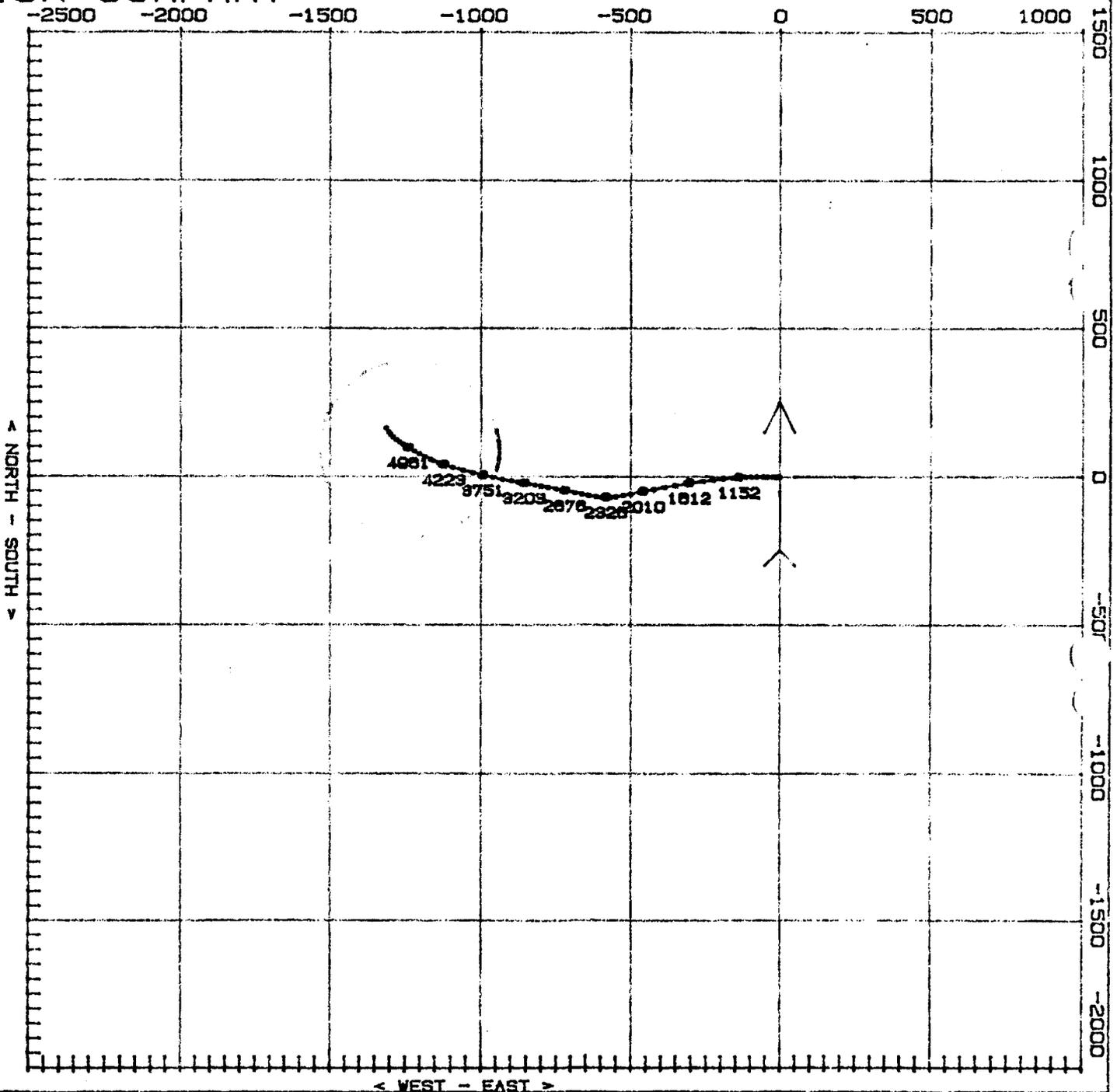
T. X. O. PRODUCTION COMPANY

WELL # :
 BMG NO. 8
 LOCATION :
 GRAND COUNTY, UTAH
 DATE :
 6-19-85
 JOB TYPE :
 DIRECTIONAL
 JOB # :
 D-2225
 SURVEYOR :
 R. NICKEL & T. BASEFLUG
 DEPTHS :
 475-5842
 DECL. :
 14 DEGREES EAST
 ELEV. :
 0'
 FILE # :
 RM-8159

 FINAL STATION DATA:
 MD. 5842.00
 TVD. 5429.90
 N/S 184.17
 E/W -1313.85

CLOSURE DISTANCE
 1324.07 FEET
 CLOSURE DIRECTION
 N 82.88 W

1 IN. = 500 FT.



< WEST - EAST >

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

P+A
Comp

July 17, 1985

State of Utah
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: BMG Federal #6
Section 7-T16S-R26E
Grand County, Utah
Federal Lease #U-05015-A
API #43-019-31181

Gentlemen:

Please find enclosed two (2) copies of the final directional survey data on the above referenced well. This data is supplemental to the information submitted on June 26, 1985 with the Completion Report for the well.

If you require anything further, please contact me at the above number.

Sincerely,

TXO PRODUCTION CORP.



Mathew C. Holdeman
Petroleum Engineer

MCH/jy

Enclosures/as stated

RECEIVED

JUL 19 1985

**DIVISION OF OIL
GAS & MINING**



TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80284

TELEPHONE (303) 861-4246

October 15, 1987

RECEIVED
OCT 19 1987

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: NOTICE OF P & A
BMG Federal #6
Section 7, T16S-R26E
Grand County, Utah
Lease No. U-050154

Gentlemen:

Enclosed please find three copies of Form 3160-5 (Sundry Notices and Reports on Wells) reporting the final plugging and abandonment of the BMG Federal #6. TXO is currently in the process of rehabilitating the location.

Sincerely,

TXO PRODUCTION CORP.



Russ E. Gillis
Petroleum Engineer

REG/deb

encls.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TR CATE*
(Other instruction on re-verse side)

Form approved,
Budget Bureau No. 1004-0135
Expires August 31, 1985

PA

5. LEASE DESIGNATION AND SERIAL NO.

U-05015A

6. IF INDIAN RESERVE, GIVE RESERVE NAME

102682

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.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BMG Federal

9. WELL NO.

#6

10. FIELD AND POOL, OR WILDCAT

San Arroyo

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

Sec. 7, T16S-R26E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL WELL GAS WELL OTHER Dry Hole

2. NAME OF OPERATOR
TXO PRODUCTION CORP.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
680' FSL & 1920' FEL - At surface.
844' FSL & 3234' FEL - At TD.

14. PERMIT NO.
API #43-019-31181

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6526' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

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

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

Well plugged and abandoned to surface on October 9, 1987. Verbal approval received from Steve Jones at Moab District Office on October 7, 1987.

- 1.) Set 30 sxs cmt plug inside 7" csg from 1600' to 1450'.
- 2.) Set 20 sxs cmt plug inside 7" csg from 100' to surface.
- 3.) Set 20 sxs cmt plug between 9-5/8" csg and 7" csg from 100' to surface.
- 4.) Cut off csg head and weld on identification plate.
- 5.) Prepare to recontour the location.

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

SIGNED Russ E. Gillis TITLE Petroleum Engineer DATE 10/15/87
 (This space for Federal or State office use)

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

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

*See Instructions on Reverse Side

DATE 10-22-87
 BY [Signature]