

CP

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT/abd. _____

Application rescinded 5.14.85

DATE FILED 4-12-84

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-036905 INDIAN _____

DRILLING APPROVED: 4-27-84 - GAS

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR. _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: 5802' gn

DATE ABANDONED: LA 5.14.85

FIELD: 396 BOOK CLIFFS

UNIT: BOOK CLIFFS

COUNTY: GRAND

WELL NO. BOOK CLIFFS #6 API #43-019-31149

LOCATION 1432' FSL FT. FROM (N) (S) LINE. 1155' FWL FT. FROM (E) (W) LINE. NWSW 1/4 - 1/4 SEC. 33

TWP.	RGE	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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18S	22E	33	TXQ PRODUCTION CORP.				
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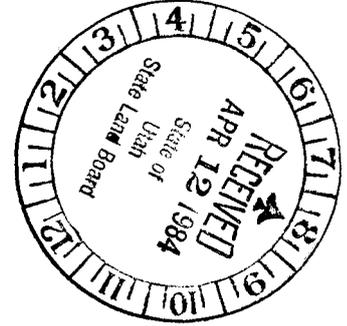
TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

April 9, 1984



State of Utah
Natural Resources State Lands and Forestry
3100 State Office Building
Salt Lake City, Utah 84114

Re: Book Cliffs Unit #6
Section 33-T18S-R22E
Grand County, Utah
API 43-019-31079

Gentlemen:

Enclosed are an original and two copies of an APD for the above-referenced well. Also enclosed is an APD/MSUOP that was submitted to the BLM.

✓ An APD was submitted in February 1983 and was approved on ✓ July 6, 1983. However due to the time lapse the APD was rescinded. TXO would like to resubmit this APD for approval to drill. There have been no changes to the original APD that was approved on July 6, 1983 except for the anticipated starting date.

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

Very truly yours,

TXO PRODUCTION CORP.

Terry L. Blankenship
Terry L. Blankenship
Environmental Scientist

TLB/jy

Enclosures/as stated

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
1432' FSL, 1155' FWL, Section 33-T18S-R22E
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 18 miles NW of Cisco, Utah.

5. LEASE DESIGNATION AND SERIAL NO.
U-036905

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

7. UNIT AGREEMENT NAME
Book Cliffs Unit

8. FARM OR LEASE NAME
 - - -

9. WELL NO.
#6

10. FIELD AND POOL, OR WILDCAT
Book Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33-T18S-R22E

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1155'

16. NO. OF ACRES IN LEASE
640

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.
2760'

19. PROPOSED DEPTH
5225'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5802' GR

22. APPROX. DATE WORK WILL START*
June 1, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	Corrugated Iron	40'	2 yards
12 1/4"	9 5/8"	36#	300'	160 sacks
8 3/4"	7"	20#	1950'	200 sacks
6 1/4"	4 1/2"	10.5#	5225'	150 sacks

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

24. SIGNED Ronald E. Dashner TITLE District Drilling Manager DATE 4/10/84
Ronald E. Dashner
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

/S/ GENE NODINE TITLE DISTRICT MANAGER DATE 24 APR 1984

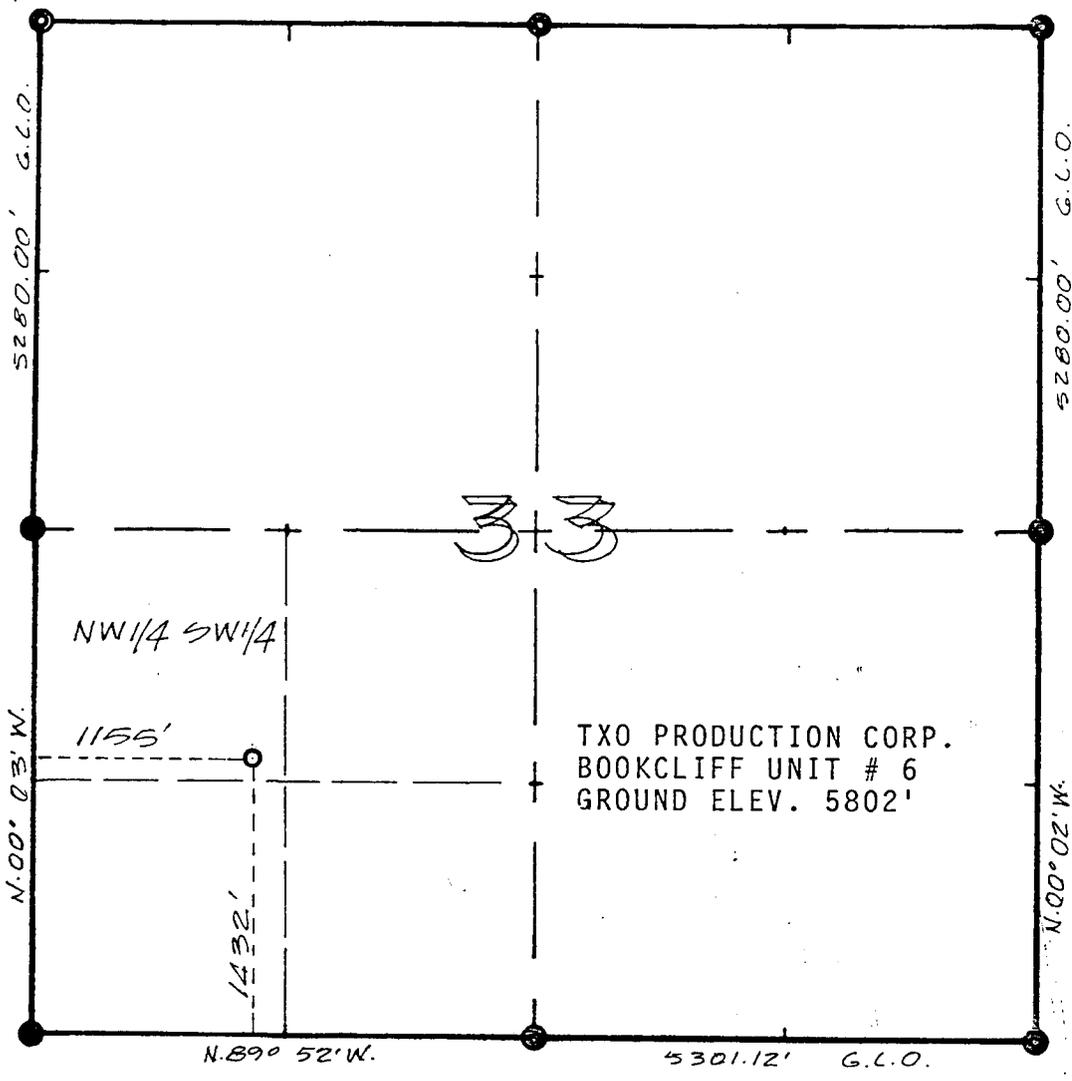
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

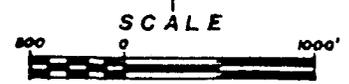
THIS REAPPROVAL IS SUBJECT TO ALL THE CONDITIONS OF APPROVAL IN THE ORIGINAL APPLICATION DATED MAY 26, 1983.

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

CONDITIONS OF APPROVAL ATTACHED



TXO PRODUCTION CORP.
 BOOKCLIFF UNIT # 6
 GROUND ELEV. 5802'



LEGEND

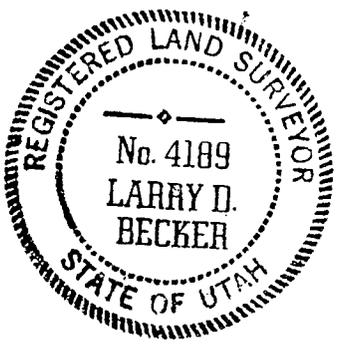
- STANDARD LOCATION OF GLO CORNERS.
- GLO CORNERS FOUND.
- WELL LOCATION STAKED.

REFERENCE DOCUMENTS

- 1962 GLO PLAT
- FLUME CANYON, UTAH QUADRANGLE, USGS

BEARINGS ARE BASED ON THE GLO BEARING BETWEEN THE SW COR. AND THE W 1/4 COR.

THIS WELL LOCATION PLAT WAS PREPARED FOR TXO PRODUCTION CORP.
 AS REQUESTED BY PAUL URBAN, TO LOCATE THE
BOOKCLIFF UNIT # 6, 1432' F.S.L & 1155' F.W.L.,
 IN THE NW 1/4 SW 1/4, OF SECTION 33, T. 18 S., R. 22 E. OF THE S.L.M. P.M.
GRAND COUNTY, UTAH



SURVEYOR'S CERTIFICATE

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

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

Exhibit 2
 Survey Plat

SURVEYED	9-21-82	ENERGY SURVEYS & ENGINEERING CORP. 1156 BOOKCLIFF AVE. NO 4 GRAND JUNCTION, CO. 81501 975 848-7221	SCALE	1" = 1000'
DRAWN	10-20-82		JOB NO.	
CHECKED	10-21-82		SHEET	OF

TXO Production Corporation
Well No. 6
Section 33, T. 18 S., R. 22 E.
Grand County, Utah
Book Cliffs Unit
Lease U-036905

Supplemental Stipulations

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company TXO Production Corporation

Well No. 6

Location Sec. 33, T. 18 S., R. 22 E.

Lease No. U-036905

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. 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 this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

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

Office Phone: 801-259-6111 Ext 216 Home Phone: _____

City: Moab State: Utah

Resource Area Manager's Address and contacts are:

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

Your contact is: Paul Brown

Office Phone: 801-259-8193 Home Phone: 801-259-7018

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must 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.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address and telephone number.
 - b. Well name and number.
 - c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
 - d. Date was placed in a producing status.
 - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

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

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

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

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

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

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

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

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

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

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

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

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

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

9-331 C ADDENDUM
Book Cliffs Unit #6
Section 33-T18S-R22E
Grand County, Utah

1. SURFACE FORMATION: Mesaverde

2. ESTIMATED FORMATION TOPS:

Buck Tongue	1340'
Castlegate	1550'
Mancos	1750'
Dakota Silt	4950'
Morrison	5160'
Total Depth	5225'

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

Expected Gas Zone: Dakota 4950'

Water may be encountered in the Mesaverde formation.

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

5. PRESSURE CONTROL EQUIPMENT:

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

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

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

6. MUD PROGRAM:

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

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

7. AUXILIARY EQUIPMENT:

A. A kelly cock will be used.

- B. A float valve will be run in the drill string above the bit.
 - C. A sub with full opening valve will be kept on the derrick floor to stab into DP when kelly is not in use.
8. CORING, LOGGING, TESTING PROGRAM:
- A. No coring is anticipated.
 - B. DISFL-GR from TD to surface. FDC-SNP-GR-CAL from TD to 2000' uphole. If logged wet: FDC-CNL-GR-CAL from TD to 2000' above TD.
 - C. No DST's are planned.
9. ABNORMAL CONDITIONS:
- A. No abnormal pressures or temperatures are expected.
 - B. No hazardous gases such as 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. ANTICIPATED STARTING DATES:
- | | |
|-------------------------------|---------------|
| Start location | June 1, 1984 |
| Spud date | June 5, 1984 |
| Complete drilling | June 15, 1984 |
| Completed, ready for pipeline | June 30, 1984 |
11. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

TXO PRODUCTION CORP.
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: April 6, 1984

WELL NAME: Book Cliffs Unit #6

LOCATION: 1432' FSL, 1155' FWL, Section 33-T18S-R22E, Grand County, Utah.

FEDERAL OIL & GAS LEASE NO.: U-36905 (Issued November 11, 1959)

NOTE: This Plan incorporates stipulations discussed at the joint field inspection on January 5, 1983.

1. EXISTING ROADS

- A. Proposed well site as staked: Refer to Exhibit 2. The well has been staked 1432' FSL and 1155' FWL in Section 33-T18S-R22E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves existing road: From Interstate 70 and the East Cisco exit, proceed northward on the right fork. Drive on the main road 12.3 miles to a fork. Take the right fork 0.1 mile to another fork. Take the left fork straight ahead (northwest) up Cottonwood Canyon for about 5.4 miles to the staked location.
- C. Access route to location color coded in red and labeled: Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow: Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: About 2.2 miles of existing road will be flat bladed, if necessary, to allow passage of rig trucks and well servicing vehicles. A culvert will be installed in the crossing 0.4 mile from the location. The road will not be widened or otherwise upgraded until it is determined if the well will be an economic producer. If commercial production is established, some minimal upgrading of the road may be necessary. Refer to Exhibits 4 and 8.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: Since the access route utilizes existing roads, no new access road will be required. Refer to Exhibit 8.

The entire access route is a County Road; hence, no Federal right-of-way is required.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Abandoned Wells-Texaco 5 Book Cliffs Unit, Sec. 29-18S-22E
Gulf Oil 2 Book Cliffs Unit, Sec. 4-19S-22E
- C. Temporarily Abandoned Wells-None
- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells-Gulf Oil 3 Book Cliffs Unit, Sec. 33-18S-22E
Gulf Oil 1 Book Cliffs Unit, Sec. 32-18S-22E
- G. Shut-in Wells-None
- H. Injection Wells-None
- I. Monitoring or Observation Wells for Other Reasons-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

- 1. Tank Batteries-None
- 2. Production Facilities-None
- 3. Oil Gathering Lines-None
- 4. Gas Gathering Lines-None
- 5. Injection Lines-None
- 6. Disposal Lines-None

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

- 1. Proposed location and attendant lines in relation to the well pad: Refer to Exhibit 6.
- 2. Dimensions of facilities: Refer to Exhibit 6.
- 3. The production facilities will include a production pit, a blowdown pit, a production unit, and, if necessary, a dehydrator. These facilities will be painted either a dark green or light tan in accordance with BLM-specified colors. The facilities will be located as shown on Exhibit 6. The pit will be located in cut, will contain all water production, and will be built in accordance with NTL-2B specifications. All connection work will be done by an oil field service company using standard oil field materials.
- 4. Protective devices and measures to protect livestock and wild-life: The water production pit will be fenced with four strand barbed wire to protect livestock and wildlife.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water will be obtained from the Colorado River in Section 15-T21S-R24E, Grand County, Utah. TXO Production Corp. has applied for a miscellaneous surface water appropriations permit to obtain water from this location and anticipates approval in the near future.
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler, along the routes shown in green on Exhibit 3.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is anticipated that cuts on location will furnish sufficient quantities of materials to construct a level location. Prior to constructing location, vegetation will be stripped and this material will be stockpiled off the southeast corner of the pad. Topsoil will be stockpiled off the southeast corner of the pad on the old existing road, for later use during rehabilitation on the disturbed areas. No additional material will be needed.
- B. Identify if from Federal or Indian Land: The affected land is Federal and under the management of the Bureau of Land Management.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: Materials other than that supplied by cuts on location should not be required to construct the pad and road. Approximately 16,016 cubic yards of material will be derived from cuts on location and approximately 12,968 cubic yards of fill are needed. Excess fill material will be used to ramp the new access. Refer to Exhibit 7a.
- D. Show any needed access roads crossing Federal or Indian Lands: The access is via existing county roads which cross Federal lands. Refer to Exhibit 8.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in a tank.
- B. Drilling fluids will be contained and disposed of in a tank. 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 a tank.
- D. Sewage: A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a trash bin and removed to a sanitary landfill upon completion.

- F. Protective Devices: The flare pit (if necessary) will be fenced with four strands of barbed wire and flagged to protect animals.
- 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.

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 7b.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 7c.
- C. Rig orientation, parking area: Refer to Exhibit 7c.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, levelling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes will be filled. Disturbed areas of the pad not needed for production facilities will be graded to an appearance consistent with the natural contours. These areas will then be covered with topsoil, disked and reseeded with a seed mixture recommended by BLM. If the well is not commercially productive, the entire pad will be reclaimed as described above.

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

- B. If any oil is in the pit, it will be removed or overhead flagging will be installed.
- C. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately **June 30, 1984** and will be completed within approximately one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The location is in a canyon bottom. The soil is probably a deep, mature loam. Vegetative cover is about 65 to 70 percent and includes the following species: pinyon pine (Pinus edulis), juniper (Juniperus sp.), big

sagebrush (Artemisia tridentata), rabbitbrush (Chrysothamnus nauseosus), tamarisk (Tamarix pentandra), and native grasses. Cottonwood trees are present in the general vicinity of the location. Fauna in the area may include deer, mountain lion, coyotes, small mammals, and birds. No endangered species are known to occur in the area.

- B. Other surface-use activities and surface ownership of all involved lands: The location is in a Federal oil and gas unit, held by production. The unit encompasses the following lands:

T18S, R22E:

Section 28: S 1/2 S 1/2,

Section 33: All

T19S, R22E:

Section 4: Lots 3, 4, S 1/2 NW 1/2,

Section 5: Lots 1, 2, 3, SW 1/4 NE 1/4,
S 1/2 NW 1/4.

Surface ownership of all lands in the unit is Federal.

The proposed location is in close proximity to a Wilderness Study Area, dropped from further consideration by the BLM, but under appeal. The proposed project will not affect the WSA; hence, it meets all non-impairment criteria.

- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The location is in the drainage bottom of Cottonwood Canyon. The stream in this canyon is fed by a spring and apparently flows continuously in this part of the canyon. An archeological survey was conducted and there were no significant cultural sites found. Results were forwarded to the Moab BLM office. There are no occupied dwellings in the vicinity.
- D. Other on-site changes to original plans:
1. The pad dimensions will be modified as follows to reduce the amounts of cut and fill (see Exhibit 7a):
 - a. The NW corner of the pad will be rounded and the pit will be doglegged.
 - b. Southern stakes will mark the toe of the fill and width of the dog house side of the pad will be reduced approximately 25 feet.
 - c. The distance from the wellhead to the pit will be reduced to 40 feet.
 2. Where the pad will cover the pipeline, the pipe will be wrapped and buried, and the operator, Northwest Pipeline Corp., will be notified.

3. The BLM will be notified 24 hours before dirt work is complete to schedule a pre-spud inspection.
4. The location is in a critical mule deer wintering range. Construction will be allowed between April 1 and November 1.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

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

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

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

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

13. CERTIFICATES

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

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

DATE: April 6, 1984



Ronald E. Dashner
District Drilling Engineer

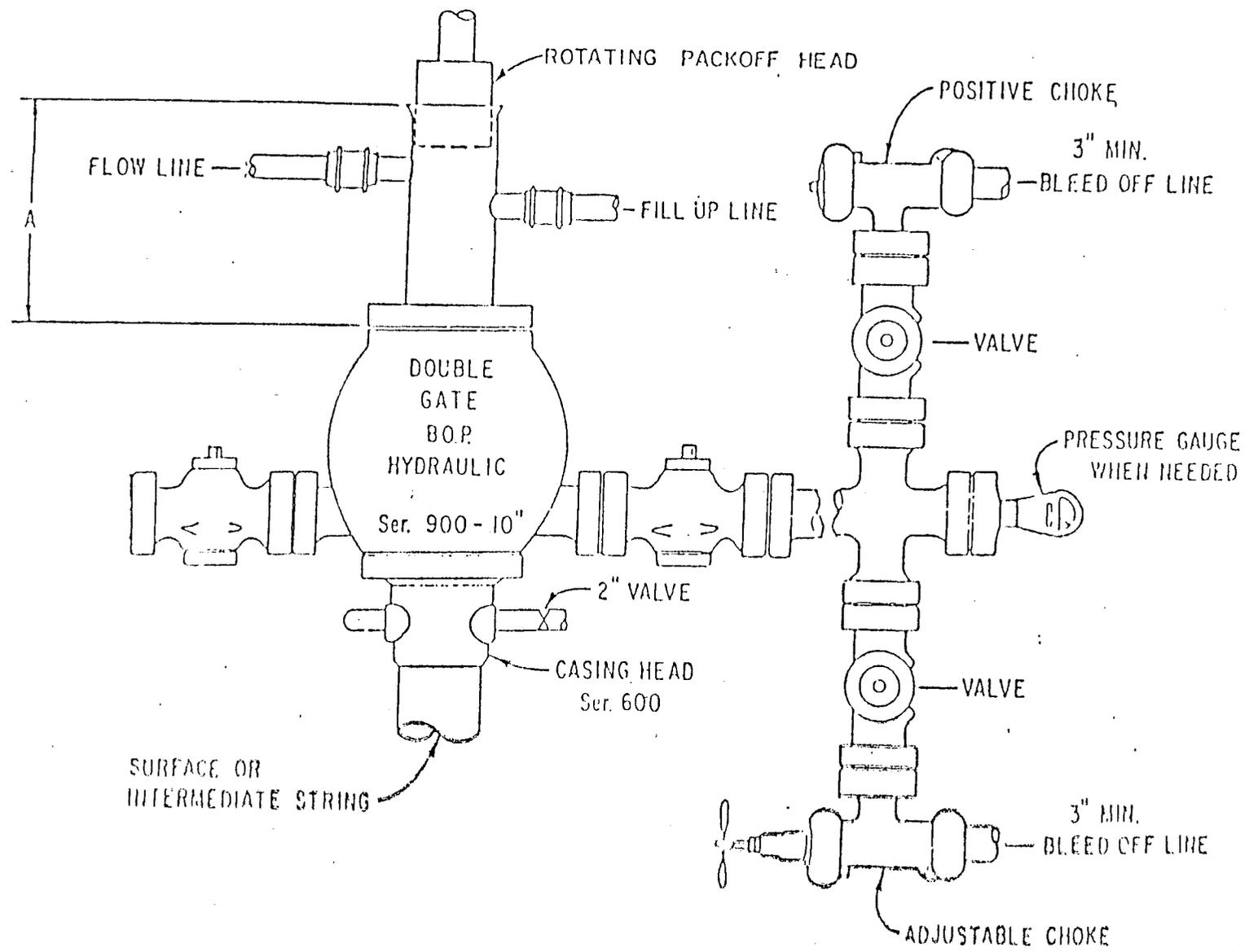


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM

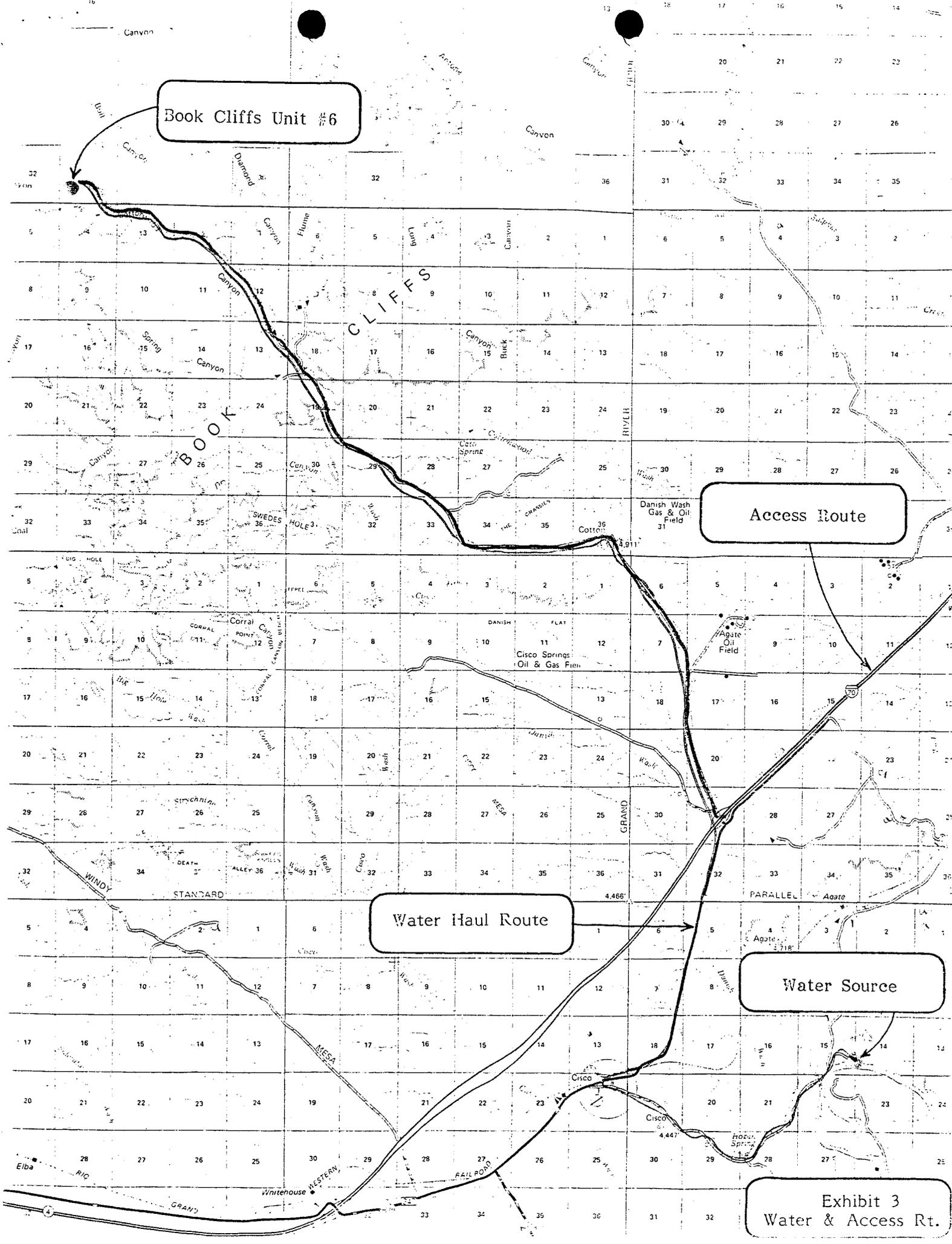
Book Cliffs Unit #6

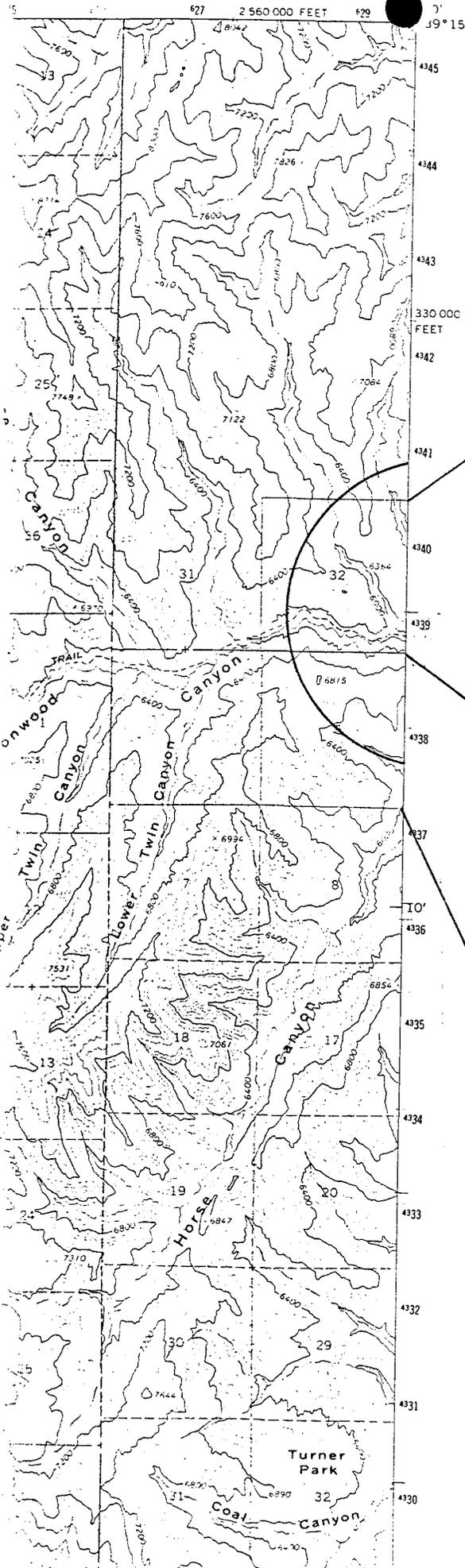
Access Route

Water Haul Route

Water Source

Exhibit 3
Water & Access Rt.





R22E

4342

4341

12' 30"

330.000 FEET

4342

4341

4340

4339

4338

4337

4336

4335

4334

4333

4332

4331

4330

4062 II

5 (SEGO CANYON 1:62 500)

4337

4336

4335

4334

4333

4332

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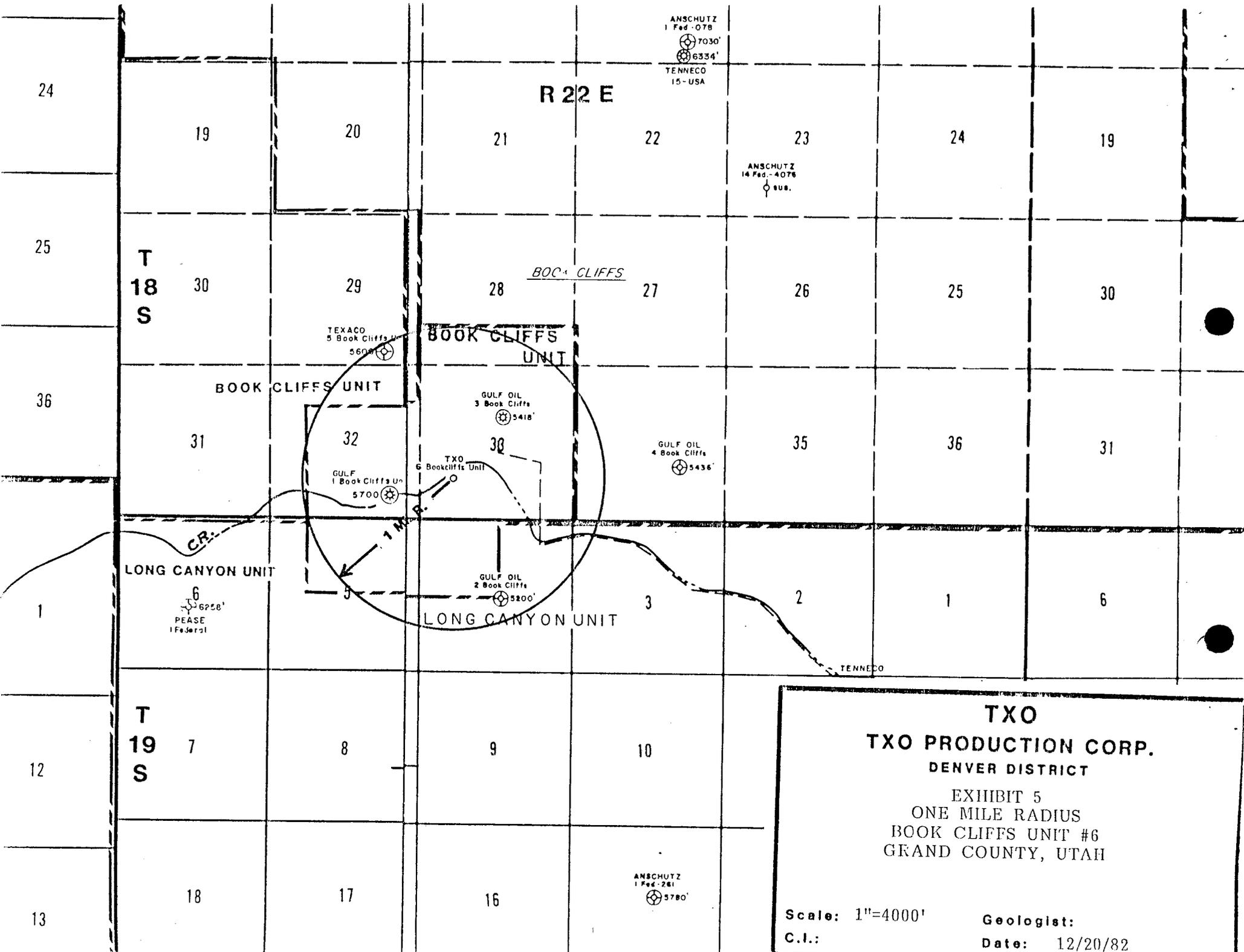
4316

4315

Book Cliffs Unit #6

Existing Road

EXHIBIT 4
EXISTING ROADS & ACCESS ROAD
 Map Sources: Flume Canyon, 7.5' and
 Sego Canyon, 15' USGS topo quads.



TXO
TXO PRODUCTION CORP.
DENVER DISTRICT
EXHIBIT 5
ONE MILE RADIUS
BOOK CLIFFS UNIT #6
GRAND COUNTY, UTAH

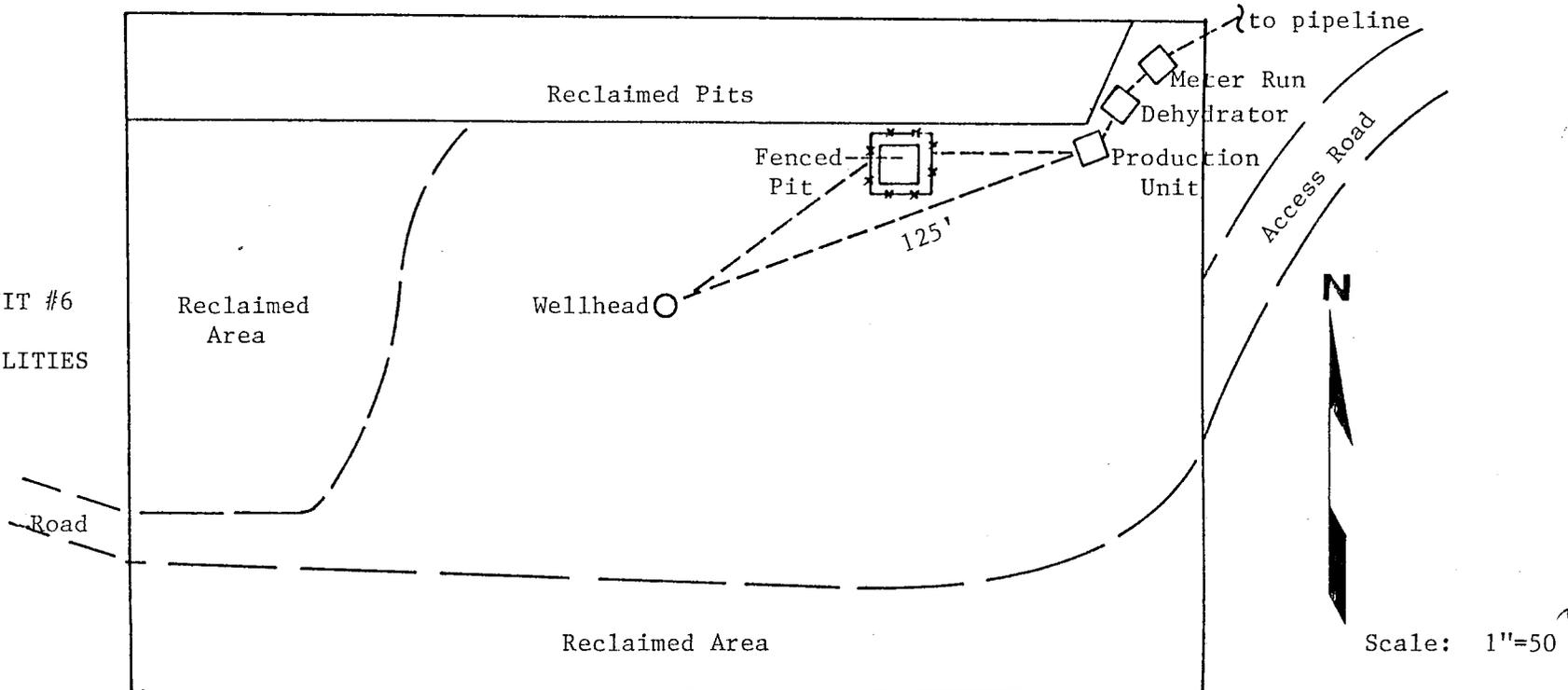
Scale: 1"=4000'

Geologist:

C.I.:

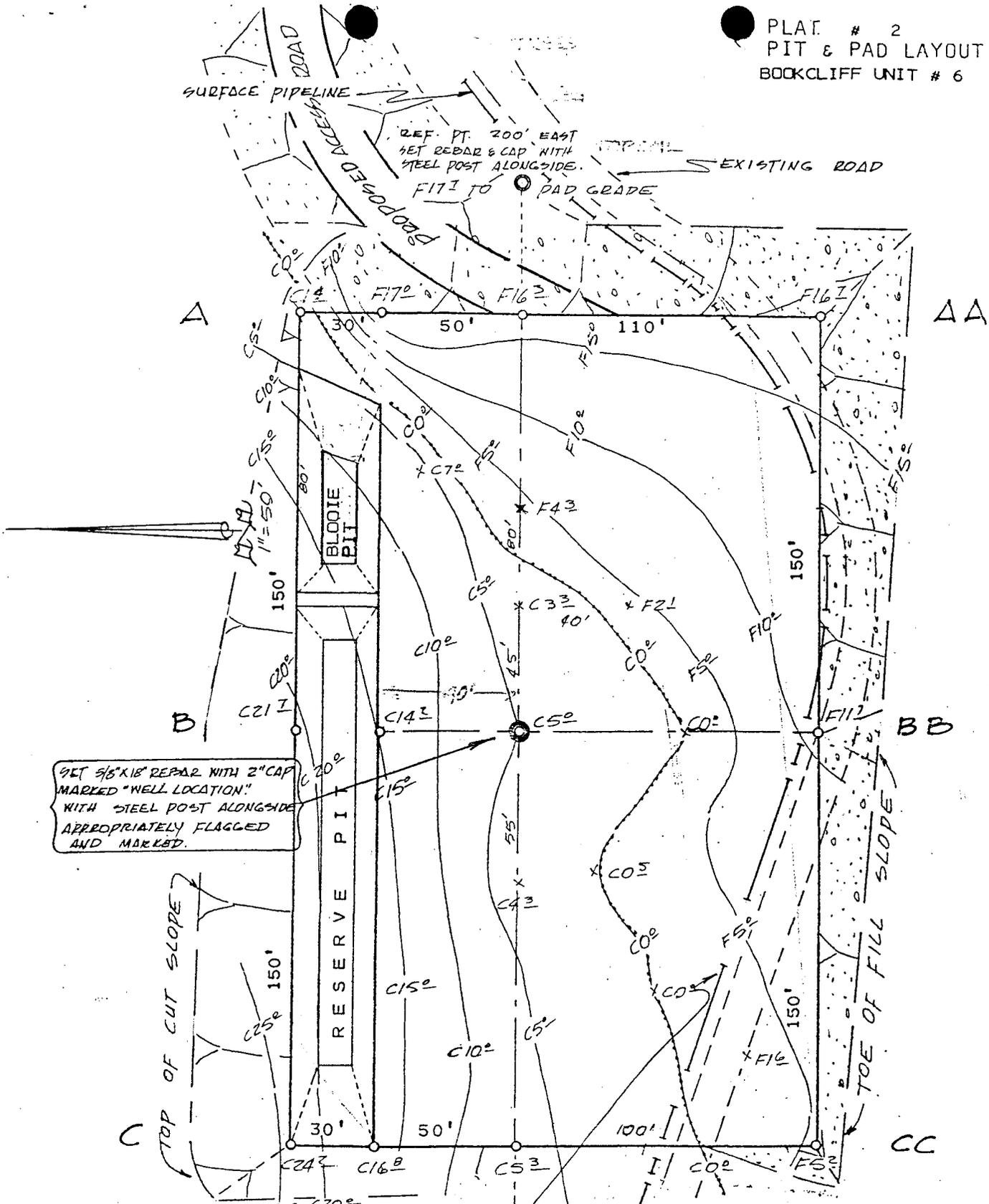
Date: 12/20/82

EXHIBIT 6
BOOK CLIFFS UNIT #6
PRODUCTION FACILITIES



- 1) Pits will be 10' x 10' x 6' deep and will be surrounded by a 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.

PLAT # 2
 PIT & PAD LAYOUT
 BOOKCLIFF UNIT # 6



TXO PRODUCTION CORP.
 PROPOSED WELL LOCATION
 GRAND COUNTY, UTAH

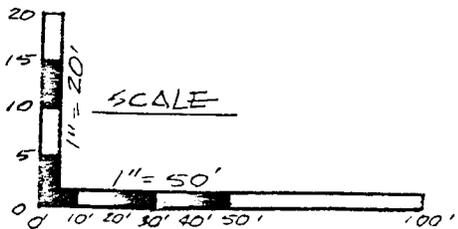
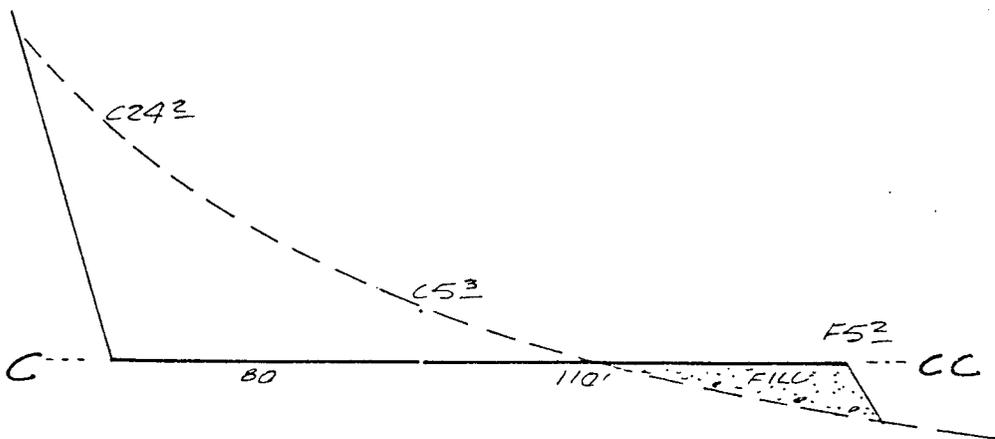
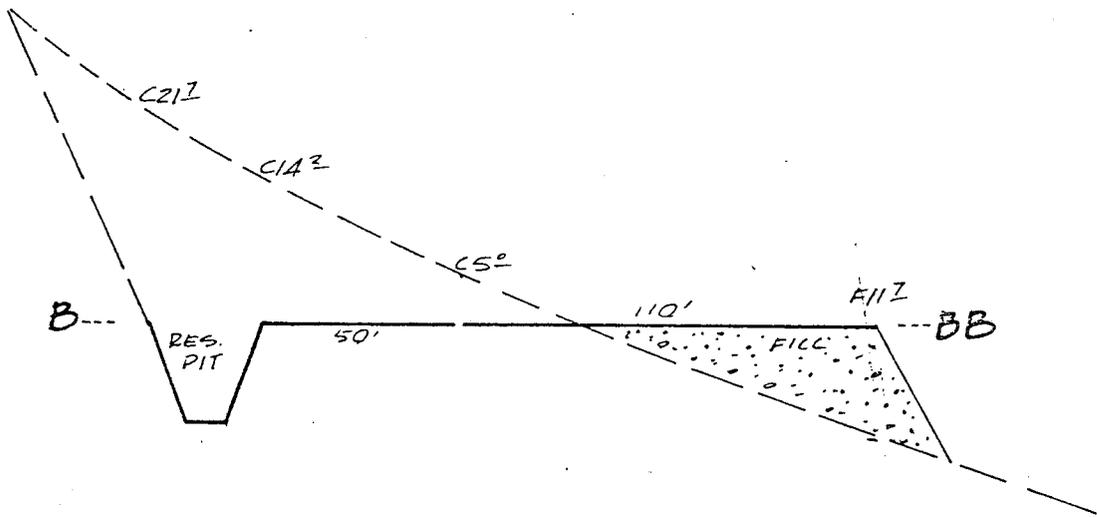
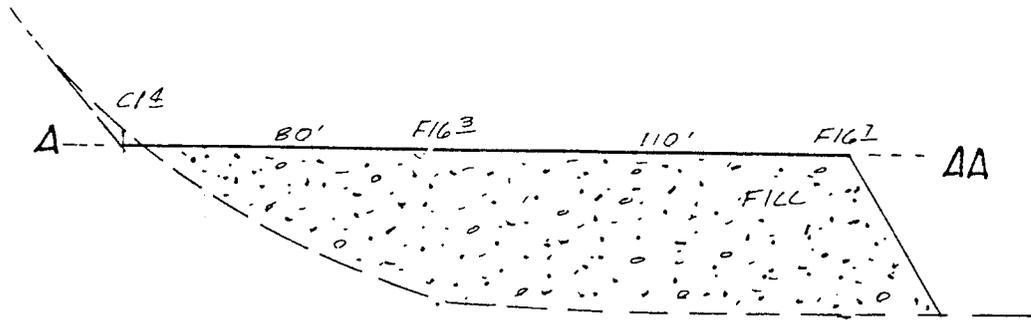
ESTIMATED QUANTITIES

ITEM	PIT	PAD	TOTAL
CUT	2270	13746	16016
FILL	0	12968	12968
T.SOIL	330	1770	2100
EXCESS			948

REF. PT. 200' WEST
 SET REBAR & CAP WITH
 STEEL POST ALONGSIDE.
 C22 TO PAD GRADE

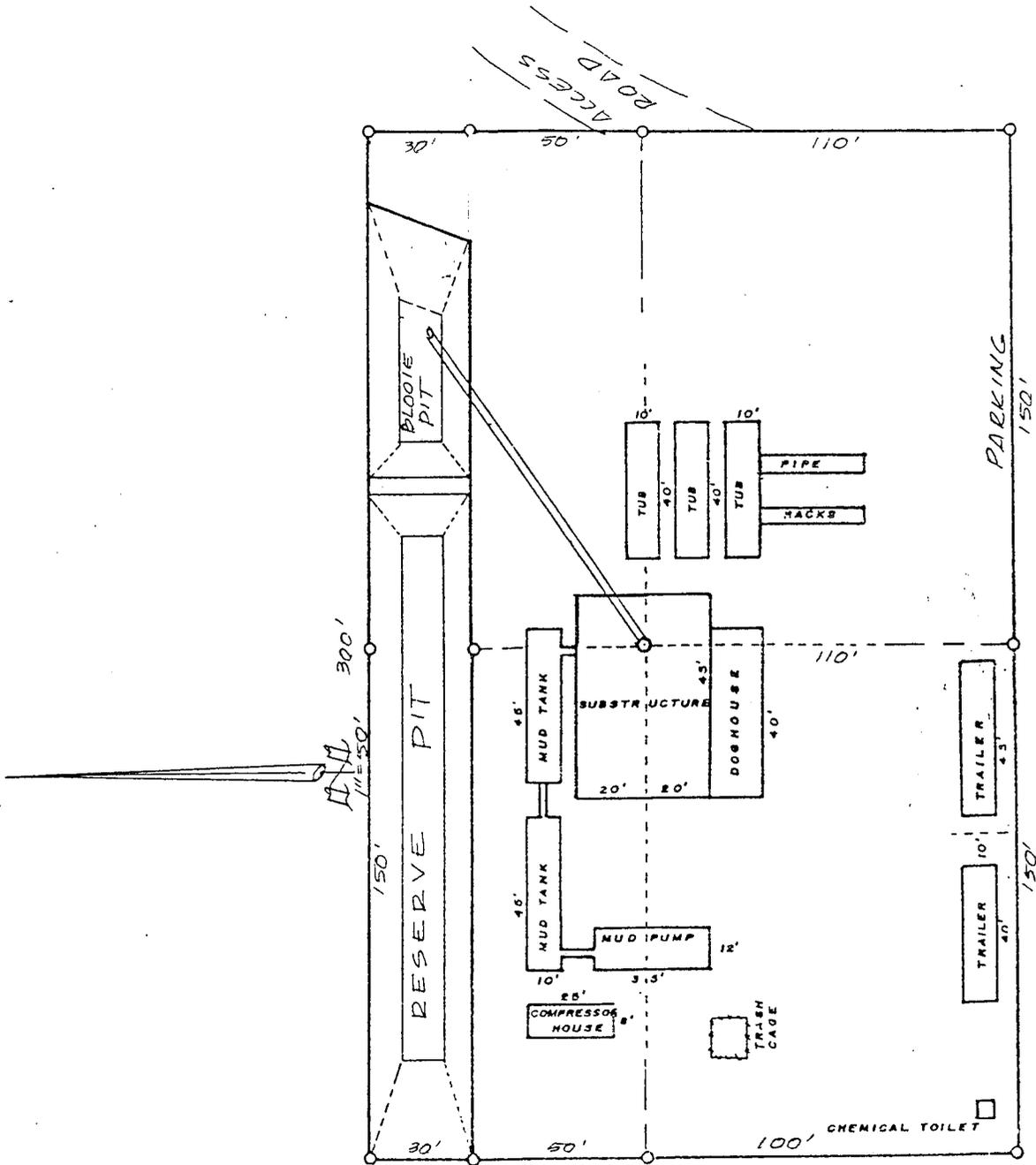
PREPARED BY
 ENERGY SURVEYS & ENG'R. CORP.

Exhibit 7a
 Pit and Pad Lay-out



TXO PRODUCTION CORP.
 BOOKCLIFF UNIT # 6

Exhibit 7b
 Cross Sections



PREPARED BY
ENERGY SURVEYS & ENG'R. CORP.

TXO PRODUCTION CORP.
BOOKCLIFF UNIT # 6
GRAND COUNTY, UTAH

Unit Boundary

Book Cliffs Unit #6

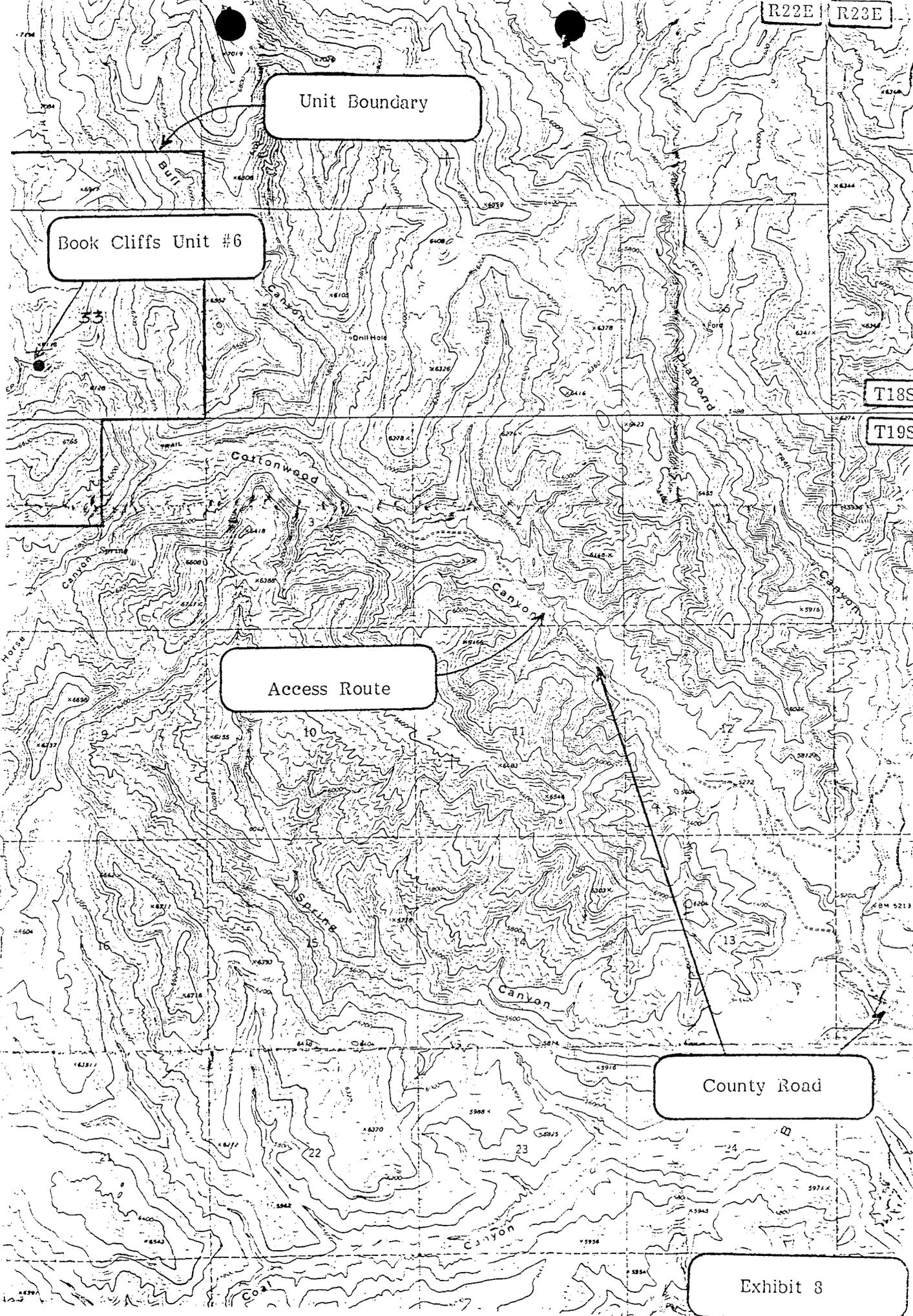
T18S

T19S

Access Route

County Road

Exhibit 8



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

(Other instructions on reverse side)

12

5. Lease Designation and Serial No.

U-036905

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Book Cliffs Unit

8. Farm or Lease Name

9. Well No.

#6

10. Field and Pool, or Wildcat

Book Cliffs

11. Sec., T., R., M., or Bk. and Survey or Area

Sec. 33-T18S-R22E

12. County or Parrish 13. State

Grand Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

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 Building, Denver, CO 80264

4. Location of Well (Report location clearly and in accordance with any State requirements. At surface

1432' FSL, 1155' FWL, Section 33-T18S-R22E

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

Approximately 18 miles NW of Cisco, Utah.

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

1155'

16. No. of acres in lease

640

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.

2760

19. Proposed depth

5225'

20. Rotary or cable tools

Rotary

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

5802' GR

22. Approx. date work will start*

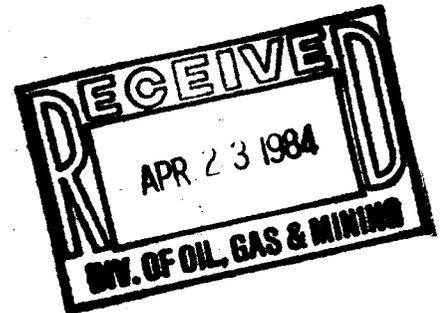
June 1, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
24"	16"	Corrugated Iron	40'	2 yards
12 1/4"	9 5/8"	36#	300'	160 sacks
8 3/4"	7"	20#	1950'	200 sacks
6 1/4"	4 1/2"	10.5#	5225'	150 sacks

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

DATE: _____
BY: _____



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
Ronald E. Dashner

Title: District Drilling Manager

Date: 4/6/84

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

OPERATOR TXO Production Corp. DATE 4-23-84

WELL NAME Book Cliff #6

SEC NW 33 T 18S R 22E COUNTY Grand

43-019-31149
API NUMBER

Fed
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

Unit well
used water

APPROVAL LETTER:

SPACING:

A-3

Book Cliff Unit
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

1- Water

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT Book Cliff

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

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

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

April 27, 1984

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

RE: Well No. Book Cliffs #6
NWSW Sec. 33, T. 18S, R. 22E
1432' FSL, 1155' FWL
Grand County, Utah

Gentlemen:

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

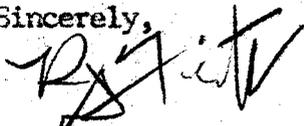
1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

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

The API number assigned to this well is 43-019-31149.

Sincerely,


R. J. Firth
Associate Director, Oil & Gas

KJF/as
cc: Branch of Fluid Minerals



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 9, 1985

Bureau of Land Management
Branch of Fluid Minerals
P O Box 970
Moab, Utah 84532

Attention: Ms. Carol Fruediger

Dear Ms. Fruediger:

Re: Well No. Book Cliffs #6 - Sec. 33, T. 18S., R. 22E.,
Grand County, Utah - Lease No. U36905
Operator of Record: TXO Production Corporation

The above referenced well in your district was given state approval to drill April 27, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

A handwritten signature in cursive script that reads "Pam Kenna".

Pam Kenna
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/68

RECEIVED

MAY 16 1985

3162 (U-065)
(U-036905)

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

DIVISION OF OIL
& GAS & MINING

MAY 14 1985

TXO Production Corp.
1800 Lincoln Center Building
Denver, CO 80264

Attention: Terry L. Blankenship

Re: Rescinding Application for
Permit to Drill
Well No. Book Cliffs Unit 6
Sec. 33, T. 13 S., R. 22 E.
Grand County, Utah
Lease U-036905

Gentlemen:

The Application for Permit to Drill the referenced well was approved on April 24, 1984. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

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

Sincerely,

ISI A. Lynn Jackson

ACTING District Manager

cc:
State of Utah, Division of Oil, Gas and Mining ✓
Grand Resource Area

bcc:
U-942, Utah State Office

CFreudiger/cf 5/13/85



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 22, 1985

TXO Production Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

Gentlemen:

Re: Well No. Book Cliffs 6 - Sec. 33, T. 18S., R. 22E.,
Grand County, Utah - API #43-019-31149

In concert with action taken by the Bureau of Land Management,
May 14, 1985, approval to drill the above referenced well is hereby
rescinded.

A new "Application for Permit to Drill" must be filed with this
office, for approval, prior to future drilling of the subject
location.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".
John R. Baza
Petroleum Engineer

pk
cc: Dianne R. Nielson
Ronald J. Firth
File

0170S/91