

Identification CER/EA ~~MINERAL MANAGEMENT SERVICE~~

OIL & GAS OPERATIONS RECEIVED

APR 20 1982

SALT LAKE CITY, UTAH

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator TXO Production Company
Project Type Gas Well - Development
Project Location 1149' FNL & 1309' FWL - Sec. 27, T. 17S, R. 24E
Well No. #2 East Canyon Lease No. U-34732
Date Project Submitted December 11, 1981

FIELD INSPECTION

Date January 12, 1982

Field Inspection Participants

- Craig Hansen - USGS, Vernal
- Elmer Duncan - BLM, Moab
- Kevin Cleary - BLM, Moab
- Paul Urban - TXO Corporation
- Forrest Bird - Dirt Contractor

Related Environmental Documents: _____

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

4-19-82
Date Prepared

[Signature]
Environmental Scientist

I concur

APR 22 1982
Date

[Signature]
FOR E. W. GYNN
DISTRICT OIL & GAS SUPERVISOR
District Supervisor

RECOMMENDED STIPULATIONS FOR TXO PRODUCTION WELL #2 EAST CANYON:

1. Rotate the location 180° to accomodate rig and drilling operation.
2. Operator must adhere to BLM surface stipulations.
3. Production facilities will be painted a color to blend in with the natural surroundings.
4. The access road will enter from the southeast corner of the location.
5. A buffer of trees will be left on the south side to avoid a visual impact.

COMMENTS:

Production flowlines will be handled by Northwest Pipeline. Drilling operations will commence June 15, 1982, to August 1, 1982.

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

IN REPLY REFER TO

3109
U-34732
(U-068)

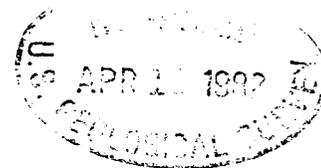
Memorandum

APR 15 1982

To: Oil & Gas Office
USGS Conservation Division
P. O. Box 1037
Vernal, Utah 84078

From: Area Manager, Grand

Subject: TXO Production Corporation (APD)
BNT Fed. #2, Lease #U-34732
NW/NW Sec. 27, T. 17 S., R. 24 E., SLB&M
Grand County, Utah



On January 12, 1982 a representative from this office met with Cody Hansen, USGS, and Paul Urban, agent of the TXO Production Corp. for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to TXO Production Corp.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities

Company: TXO Production Corp.
Well: BNT Federal #2
Section: 27, T. 17 S., R. 24 E.

ADDITIONS TO THE MULTIPOINT
SURFACE USE PLAN
AND
RECLAMATION PROCEDURES

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah (phone (801) 259-6111) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
5. Improvement to the existing road will be necessary. The total disturbed width allowed will be as is. The allowable travel surface will be as is.

New road construction on lease # U-34732 will be limited to a total disturbed width of 20 feet with a maximum disturbance of 30 feet. For construction design and survey refer to class II road standards attachment, that are part of Right-of-Way U-49726.

Trees and vegetation will be removed from the road and windrowed along the east side. Trees that are 4 inches in diameter and larger will be bucked into 4 foot lengths and stacked along the east side of the road. Caution/warning signs will be placed along the existing road, and the new road after construction for traffic control.

Topsoil will be windrowed along the route between the trees and the road.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. Location: Well layout will be turned 180 degrees to put the pit(s) on the north side of the pad. Trees & vegetation removed from the pad will be piled behind the topsoil in the southwest corner. (Trees 4 inches in diameter and larger will be bucked into 4 foot lengths, and piled near, but kept separate from the rest of the smaller trees and vegetation).
7. The top 12 inches of soil material will be removed from the location and windrowed separate from the trees on the southwest side of the location.
8. The reserve pit will be lined, if fractured rock is encountered during construction, with commercial bentonite or plastic sufficient to prevent seepage. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over. Pit lining needs will be determined during pit construction. Bentonite lining will be 2 to 4 inches thick. Plastic lining will be at least 20 mills thick. An area 1.5 cat blades wide will be cleared to mineral soil behind the blooie pit.
9. No construction activities will be allowed from November 1 through March 31 to protect wintering wildlife and watershed values, unless approved by the authorized officer.

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. The access will be to the design of a class II road.

REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801) 259-6111, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 6 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be (broadcast/drilled) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. Broadcast seed will be applied at two times the rate on the enclosed seed mixture.
8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer.
9. Waterbars will be used as needed on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 ft. spacing
2-4%	100 ft. spacing
4-5%	75 ft. spacing
+5%	50 ft. spacing

SEED MIXTURE

<u>Species</u>		<u>Rate</u> <u>lbs/acre</u>
<u>Grasses</u>		
Elymus salinus	Saline wildrye	2
Oryzopsis hymenoides	Indian ricegrass	2
Agropyron cristatum	Crested wheatgrass (Fair way)	1
<u>Forbs</u>		
Sphaeralcea coccinea	Globemallow	.5
Hedysarum boreale	Utah northern sweet vetch	.5
<u>Shrubs</u>		
Atriplex canescens	4-Wing saltbush	1
Cowania mexicana	Mexican cliffrose	<u>1</u>
	Total	8

Broadcast seed will be applied at double the above rate

Seeding will be done in the fall of the year (Oct. - Dec.)



United States Department of the Interior

IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

** FILE NOTATIONS **

DATE: 3-23-82

OPERATOR: TXO Production Corp.

WELL NO: BNT Fed #1

Location: Sec. 27 T. 17S R. 24E County: Grand

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30738

CHECKED BY:

Petroleum Engineer: _____

Director: OK per rule C-3 (C)

Administrative Aide: per rule C-3 - exception req. enc.

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed

Plotted on Map

Approval Letter Written

Hot Line

P.I.

March 24, 1982

TXO Production Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

RE: Well No. BTN Federal #1
Sec. 27, T. 17 S, R. 24 E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - DIRECTOR
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019,30938.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/as
Enclosure
cc: Minerals Mgt. Service

July 20, 1982

MEMO TO FILE:

This well was approved, but we do not know what happened to the State approved application. We called TXO Production Corporation to find out if they could send us a copy of the application that was State approved and they told us that they did not have plans to drill this well, so we just LOCATION ABANDONED this well location.

le J

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: Paul Urban

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: 1149' FNL, 1309' FWL Section 27-T17S-R24E
 At proposed prod. zone: *NW NW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 40 miles NE of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1149'

16. NO. OF ACRES IN LEASE
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

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

19. PROPOSED DEPTH
 5300'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6690' GR

22. APPROX. DATE WORK WILL START*
 January 30, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	Conductor	60'	3 yards
12 1/4"	9 5/8"	36#	300'	200 sacks
8 3/4"	7"	20#	1600'	200 sacks
6 1/4"	4 1/2"	11.6#	5300'	200 sacks

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

DATE: 9-25-82
BY: *[Signature]*

RECEIVED

AUG 24 1982

DIVISION OF
OIL, GAS & MINING

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

24. SIGNED: *[Signature]* TITLE: District Drilling Engineer DATE: 12/19/81
 Ronald E. Dashner
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

T 17 S, R 24 E, S.L.B.&M.

PROJECT

TXO PRODUCTION CORP.

Well location, *BNT FED. No 1*, located as shown in the NW 1/4 NW 1/4 Section 27, T17S, R24E, S.L.B.&M. Grand County, Utah.

NOTE:

Basis of Bearings is Solar Observations of the Sun.



CERTIFICATE

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

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

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

SCALE	1" = 1000'	DATE	10/22/81
PARTY	D.A. RK. } S.B.	REFERENCES	GLO Plat
WEATHER	Fair	FILE	TXO PROD.

S 89°46' W

80.16

1149'
(Comp.)

1309'

(Comp)

BNT FEDERAL No 1

Elev. Ungraded Ground - 6690'

27

S 17°50'59"E
 4338.67'

79.90

S 89°52' W

W. 20.00 N

W. 10.00 N

Exhibit 2
 Survey Plat

X = Section Corners Located

Proposed
BNT Federal #1

Water Source

Access Route

Water haul route

Exhibit 3
Access and Water Haul Routes
Map Source
Grand Junction, Colo.; Utah
1:250,000



TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

August 23, 1982

Mr. Cleon Feight
Utah Division of Oil, Gas, & Mining
Department of Natural Resources
4241 State Office Building
Salt Lake City, Utah 84114

Re: BNT Federal #1
Section 27-T17S-R24E
1149' FNL, 1309' FWL
Grand County, Utah

Dear Mr. Feight:

Please find enclosed one copy of the APD/MSUOP for the above-referenced well for your review and approval. Section 27-T17S-R24E was spaced by TXO Production Corp. on May 27, 1982 under **cause #165-9**. This spacing order allows for 320 acre drilling units. The drilling units in Section 27-T17S-R24E will be designated **stand-ups**.

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

Very truly yours,

TXO PRODUCTION CORP.

Paul Urban
Environmental Scientist

PU/JY

Enclosures/as stated

RECEIVED
AUG 24 1982

DIVISION OF
OIL, GAS & MINING



9-331 C ADDENDUM
BNT Federal #1
Section 27-T17S-R24E
Grand County, Utah

1. SURFACE FORMATION: Mesaverde

2. ESTIMATED FORMATION TOPS:

Castlegate	1180'
Mancos	1400'
Dakota	4780'
Morrison	5100'
Total Depth	5300'

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

Expected Gas Zones:	Dakota	4780'
	Morrison	5100'

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

5. PRESSURE CONTROL EQUIPMENT:

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

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

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

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

6. MUD PROGRAM:

0'-300'

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

300'-TD'

Air or air mist. If necessary, will mud up with 3% KCI mud at 8.8-9.2 wt., 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-SP from TD to 2000' above TD, FDC-SNP-GR-CAL from TD to 2000' above TD. If logged wet, FDC-CNL-GR-CAL TD to 2000' above TD.

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 construction	January 30, 1982
Spud date	February 5, 1982
Complete drilling	February 20, 1982
Completed, ready for pipeline	March 10, 1982

11. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the unlined drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

TXO PRODUCTION CORP.
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: December 9, 1981

WELL NAME: BNT Federal #1

LOCATION: 1149' FNL, 1309' FWL, Section 27-T17S-R24E, Grand County, Utah.

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 1149' FNL and 1309' FWL in Section 27-T17S-R24E.
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: From Mack, Colorado, proceed west 15.5 miles on State Highway 6 & 50 to Harley Dome Road. Turn right on the Harley Dome Road and proceed north on this improved gravel road for 5.7 miles to a fork. Take the right fork and proceed up the Bryson Ridge Road for 8.9 miles to the beginning of the proposed access road. Refer to Exhibit 3.
- C. Access route to location color coded in red and labeled. Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: The roads leading to the well location should need no additional work. During wet periods, some maintenance may be required to allow travel by drilling rigs and well servicing vehicles. Dry periods may necessitate wetting the roads to control dust. The last five miles of the Bryson Ridge Road to the location consist of very steep grades and sharp curves. Special care will be required when traveling this section of the existing road.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road, approximately 2.5 miles long, will be constructed in a north-south direction between the existing Bryson Ridge Road and the east side of the pad. The proposed road will be 18-20 feet wide. The access road will follow a grade of 8% or less. No drainages will be crossed, so no low water crossings or culverts should be required. There will be no cattleguards, gates or cutting of fences. Refer to Exhibit 4. A formal right-of-way application for the access road is included at the end of the APD/MSUOP.

3. LOCATION OF EXISTING WELLS

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

- A. Water Wells-None
- B. Abandoned Wells-None
- C. Temporarily Abandoned Wells-None
- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells-None
- 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 map 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 produced water pit, a blowdown pit, separator, and, if necessary, a dehydrator. The facilities will be located as shown on Exhibit 6. The pit will be located in cut, will contain all water production and be built in accordance with NTL-2B specifications. All connection work will be done by an oil field service company using standard oil field materials.
 - 4. Protective devices and measures to protect livestock and wildlife: The water production pits will be fenced with barbed wire to protect livestock and wildlife.
- C. A formal right-of-way application for a gas gathering line is included at the end of the APD/MSUOP.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water will be obtained from Westwater Creek in Utah.
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler, along the route shown in green on Exhibit 3.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is anticipated that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled on the west side of the pad for later use during rehabilitation on the disturbed areas. Additional material, if needed, will be purchased from the dirt contractor.
- B. Identify if from Federal or Indian Land: The affected land is federal and under the management of the Bureau of Land Management.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: Materials other than that supplied by cuts on location should not be required to construct the pad and road. Approximately 1,885 cubic yards of material will be derived from cuts on location and approximately 1,339 cubic yards of fill are needed. Refer to Exhibit 7.
- D. Show any needed access roads crossing Federal or Indian Lands: The access road will cross BLM administered lands in Sections 15, 22 and 27-T17S-R24E. Refer to Exhibit 4.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit. While drilling with air or gas, a dust arresting system will be installed on the blow line.
- C. Produced fracturing fluids will be directed to the reserve pit for evaporation.
- D. Sewage: A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a trash bin and removed to a sanitary landfill upon completion.

F. Protective Devices: The flare pit (if necessary) will be fenced with barbed wire and flagged to protect animals. The drilling reserve pit will be fenced on three sides prior to drilling, and on the fourth side before the rig moves off location.

G. Statement regarding proper cleanup when rig moves out. When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

A. Cross section of drill pad with cuts and fills: Refer to Exhibit 7.

B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 7.

C. Rig orientation, parking area: Refer to Exhibit 7.

D. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 1 to 2 inch layer of bentonite will be used as a lining for the pit.

10. PLANS FOR RESTORATION OF SURFACE

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

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

B. Prior to rig release, pits will be fenced and so maintained until cleanup can be properly done.

C. If any oil is in the pit, it will be removed or overhead flagging will be installed.

- D. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately March 10, 1982, and will be completed within approximately one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The proposed well pad is located on top of a southwest facing ridge. The soil in the area consists of a silty loam. Vegetative cover is approximately 30 percent and includes pinyon pine (Pinus edulis), juniper (Juniperus spp.), mountain-mahogany (Cercocarpus montanus). Fauna using the area probably include deer, several small mammal species and a variety of birds. No endangered species are known to occur in the area.
- B. Other surface-use activities and surface ownership of all involved lands: The primary land uses in the area are oil and gas production and ranching.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: An ephemeral stream flows through East Canyon approximately one mile west of the proposed location. An archeological study was conducted and it was determined that no archeological, historical or other cultural resources will be affected by the proposed construction.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

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

R.E. Dashner
District Drilling 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:

Paul Urban
Environmental Scientist
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 429-2908 - 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: 12/19/81

R.E. Dashner By Edward J. Quinn
R.E. Dashner
District Drilling Engineer

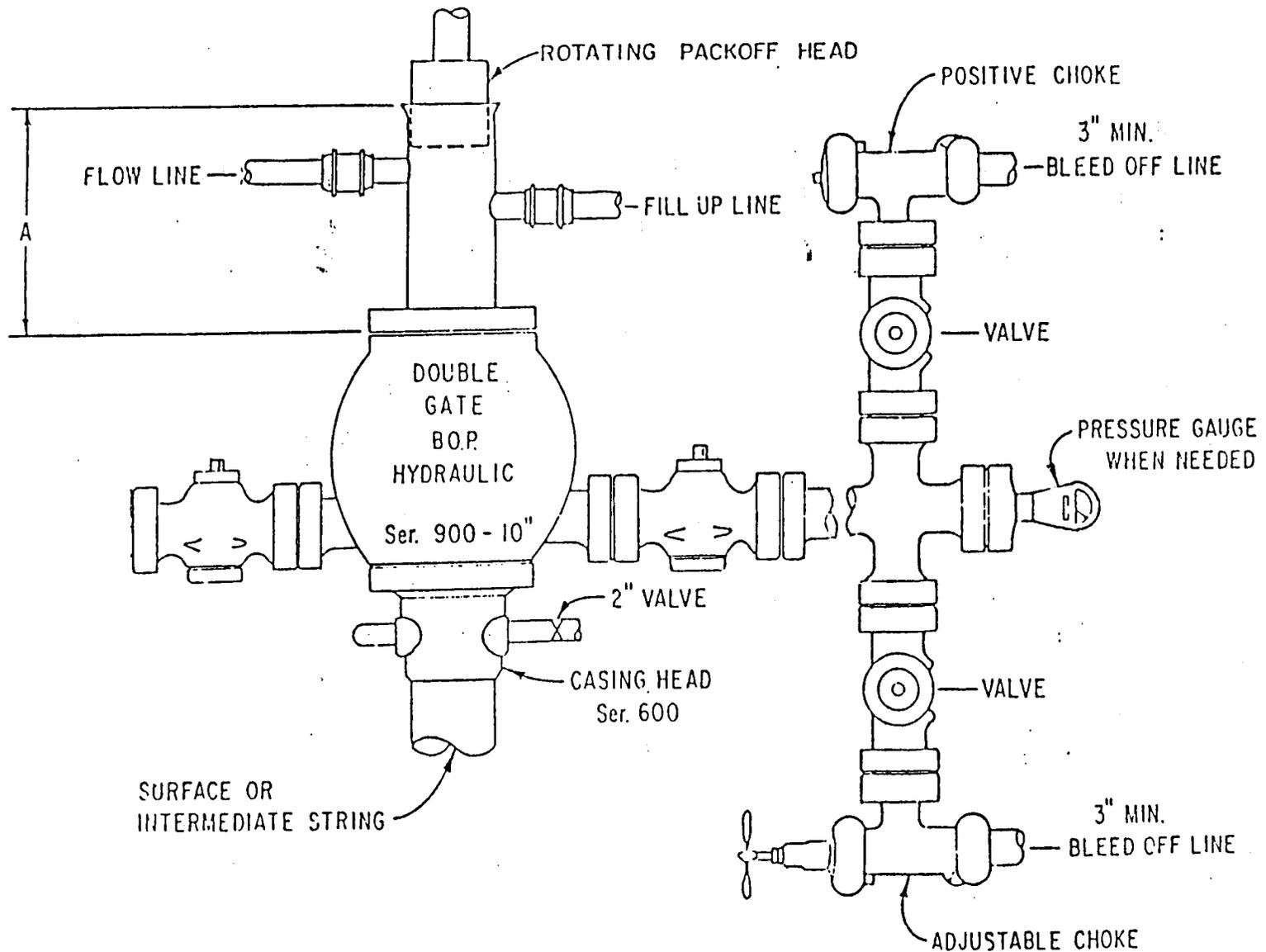
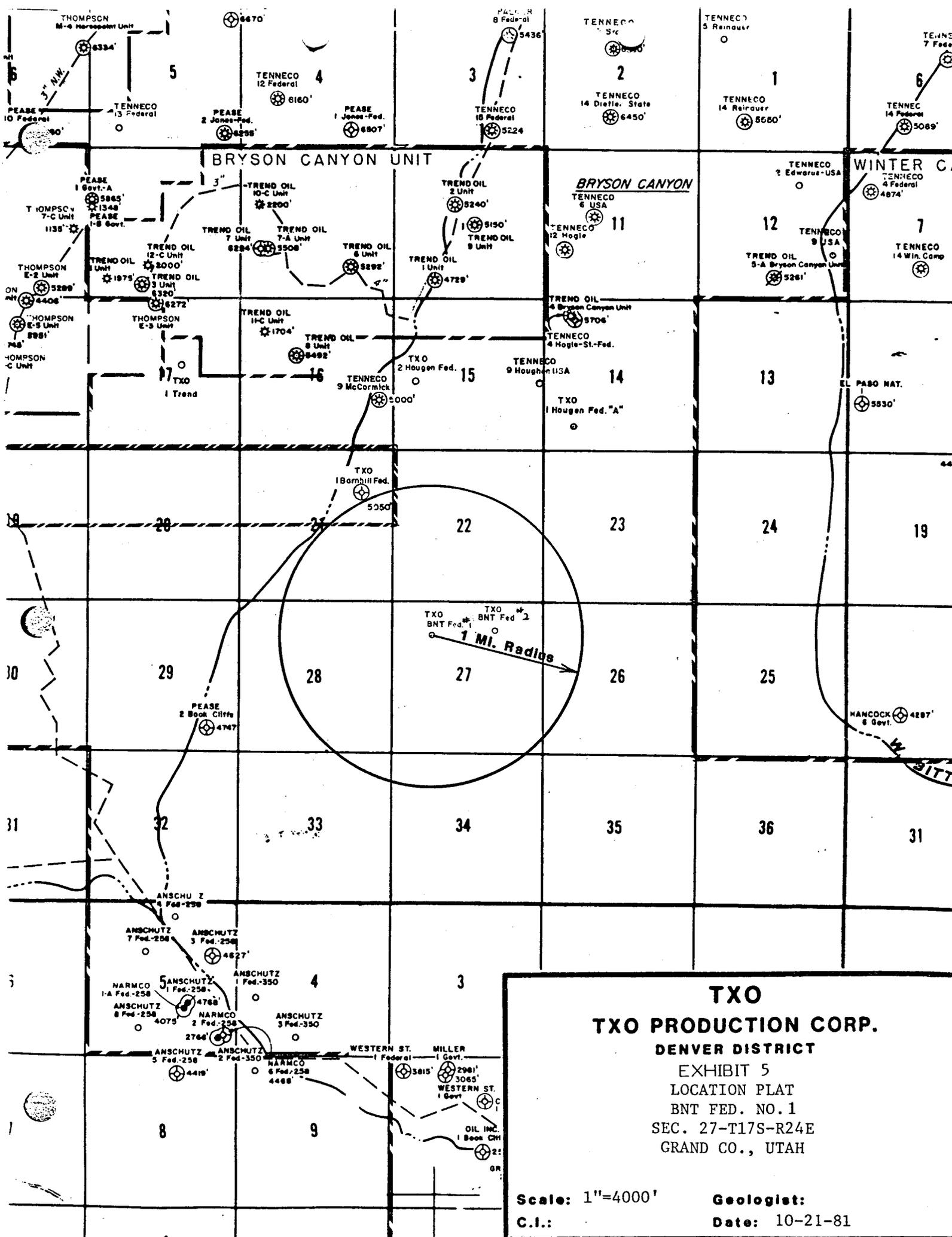


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM

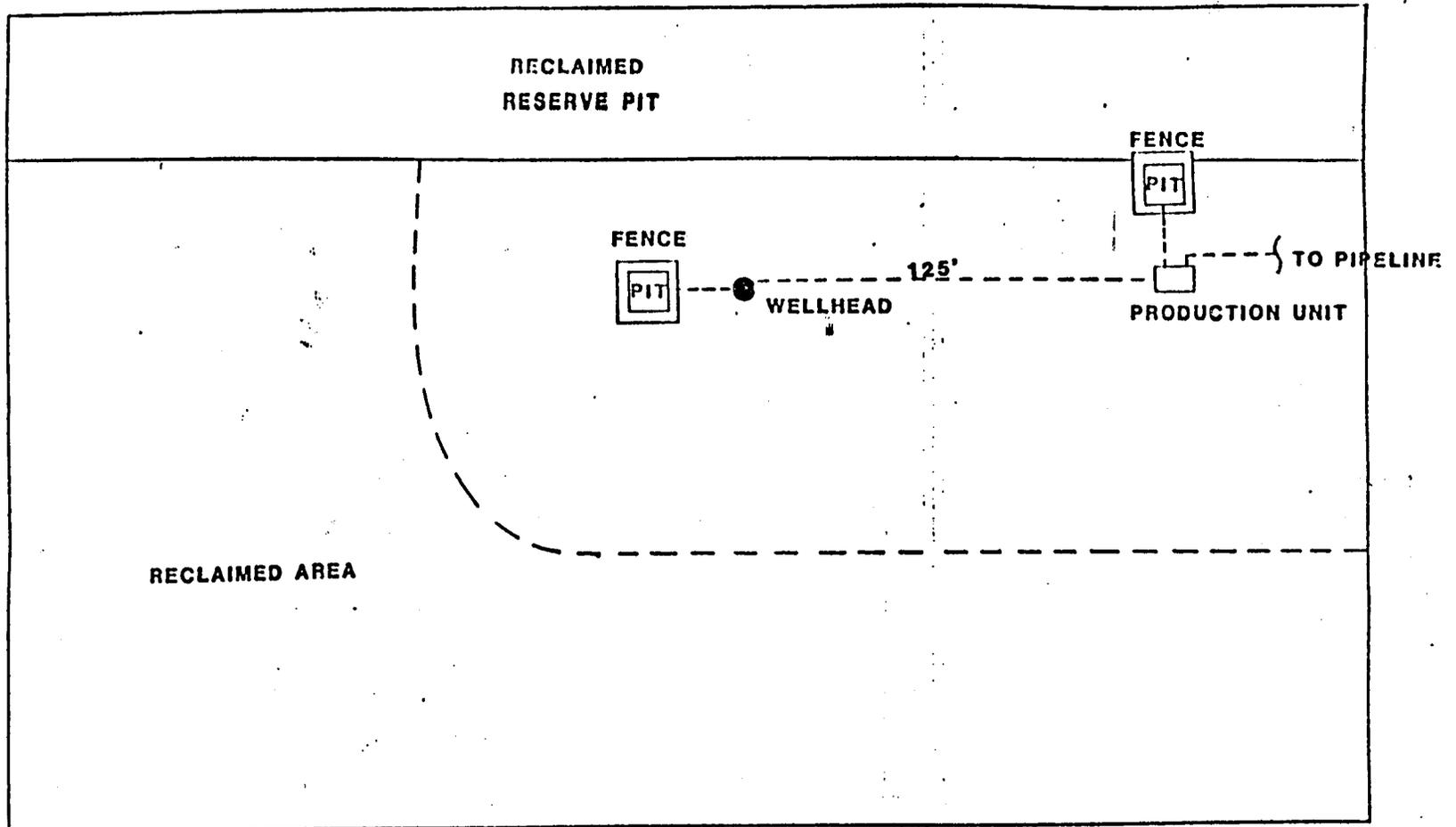
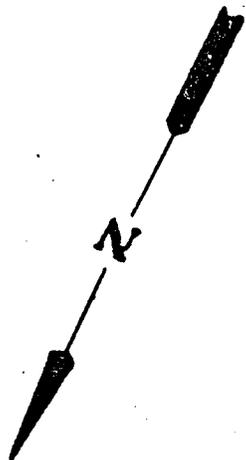


TXO
TXO PRODUCTION CORP.
DENVER DISTRICT
EXHIBIT 5
LOCATION PLAT
BNT FED. NO. 1
SEC. 27-T17S-R24E
GRAND CO., UTAH

Scale: 1"=4000'
C.I.:

Geologist:
Date: 10-21-81

SCALE: 1" 40'



- 1) PIT 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 SHUT-DOWN SYSTEM WILL BE INSTALLED.
- 5) SEPARATOR WILL BE AN ASME CODED VESSEL.

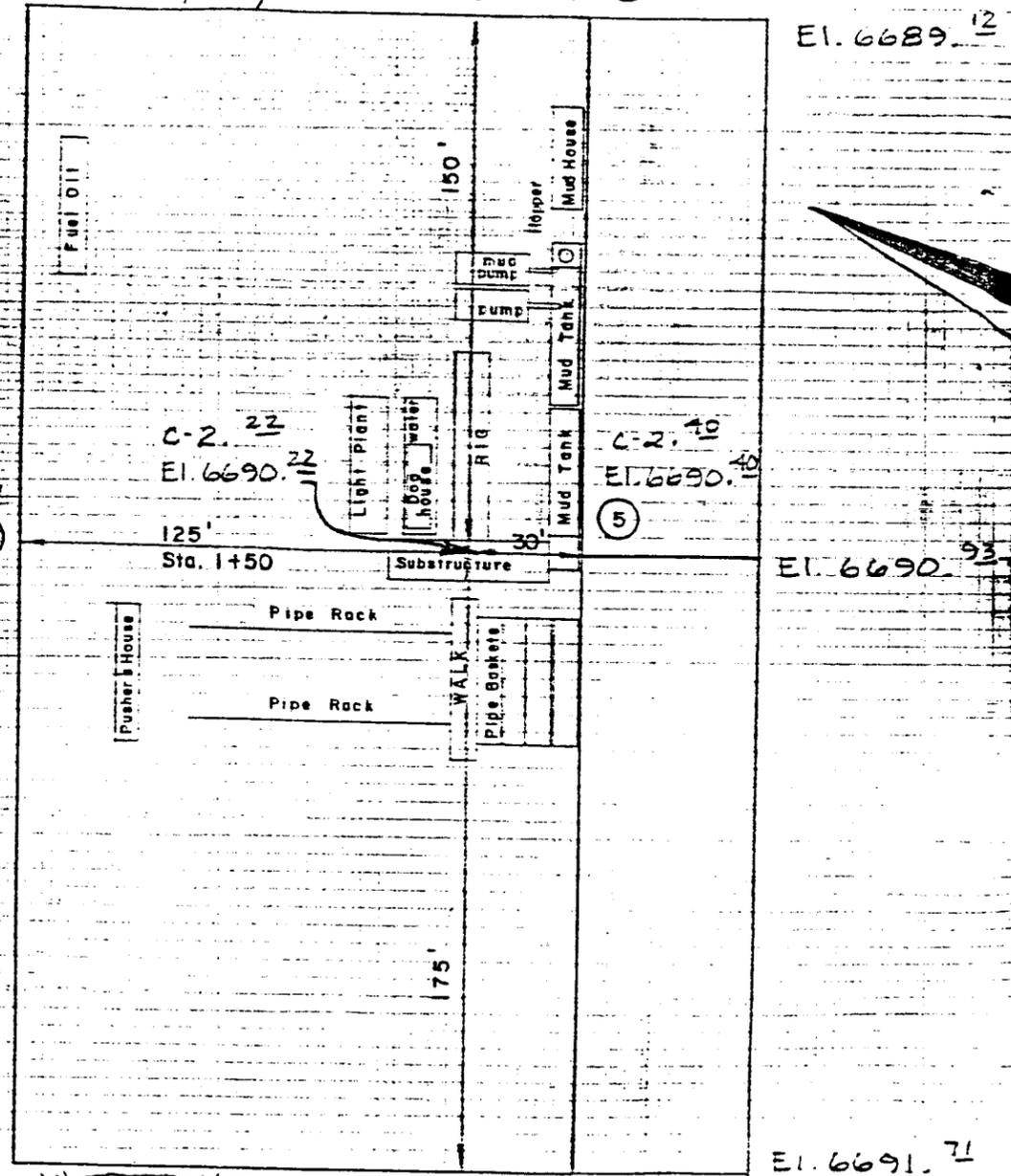
TXO PRODUCTION CORP.
B.N.T. FED. #1

SCALE 1" = 50'

F-3. 24
El. 6684. 76

PROPOSED ADDRESS RD.
Sta. 0+00
C-1. 06
El. 6689. 06

C-0. 13
El. 6688. 13



F-3. 30
El. 6684. 76

C-2. 22
El. 6690. 22

C-2. 40
El. 6690. 40

El. 6690. 93

F-1. 80
El. 6686. 14



Sta. 3+25
TOPSOIL STOCKPILE
C-4. 09
El. 6692. 09

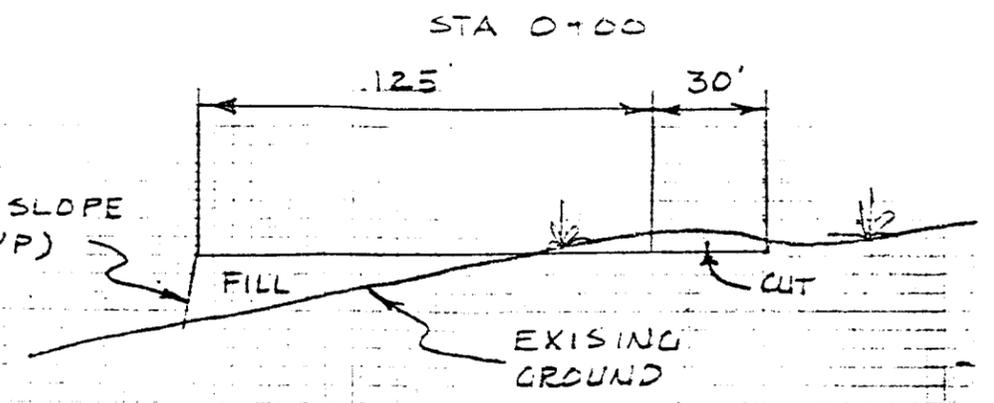
C-4. 51
El. 6692. 51

Soils Lithology
NO SCALE



Light Brown Sandy Clay

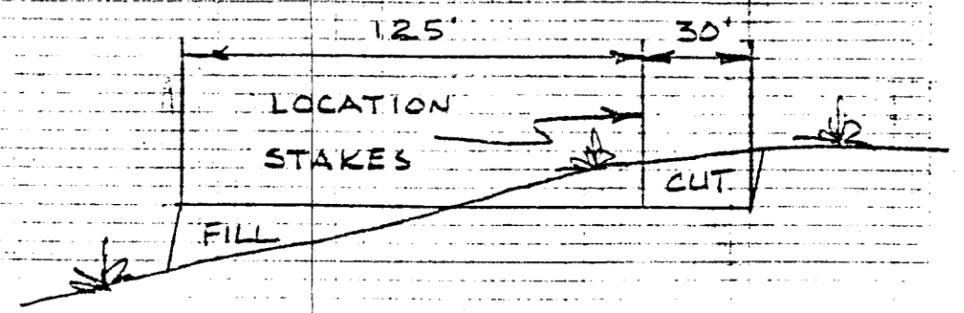
1:1 SLOPE (TYP)



C
R
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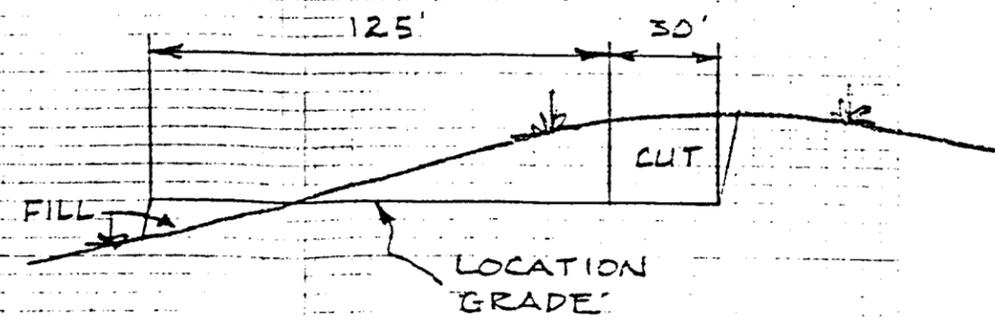


STA 1+50



S
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STA 3+25



SCALES
1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 1,885

Cubic Yards Fill - 1,339

** FILE NOTATIONS **

DATE: 8-25-82

OPERATOR: TXO PRODUCTION (PAUL HIRSHAN)

WELL NO: BNT FED #1

Location: ^{New} Sec. NE 27 T. 17S R. 24E County: GRAND

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30995

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: 320 acre spacing - stand up

APPROVAL LETTER:

Bond Required: FED 5/27/82 Survey Plat Required:

Order No. 165-9 O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation FED

Plotted on Map

Approval Letter Written

Hot Line

P.I.

August 26, 1982

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

RE: Well No. BNT Federal #1
NWNW Sec.27, T. 17 S, R. 24 E
Grand County, Utah

Dear Mr. Urban:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 165-9 dated May 27, 1982.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR

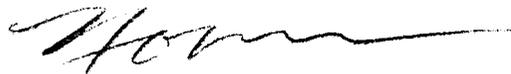
CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30995.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO Production Corporation

WELL NAME: BNT Federal #1

SECTION NWNW 27 TOWNSHIP 17S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR CRC

RIG # 75

SPUDDED: DATE 11-17-82

TIME 5:00 PM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Bruce Wright

TELEPHONE # 303-861-4246

DATE November 18, 1982 SIGNED AS

NOTICE OF SPUD

Company: TXO Production Corp.
Caller: Bruce Wright
Phone: 303-861-4246

Well Number: BNT Fed #1

Location: Sec 27 175 24E

County: Grand State: Utah

Lease Number: _____ 34732

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 5 PM 11/17/82

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Crc # 75

Approximate Date Rotary Moves In: 11/16/82

FOLLOW WITH SUNDRY NOTICE

Call Received By: Becky

Date: 11/18/82

RECEIVED

NOV 19 1982

DIVISION OF
OIL, GAS & MINING

Vernal mms
State Oil & Gas ✓
Teresa
Diane
File

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. U-49726
 Federal Lease No.
 Indian Lease No.
 Fee & Pat.

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE San Arroyo/BNT Federal #1

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
Nov., 19 82

Agent's Address 1800 Lincoln Center Bldg.
Denver, Colorado 80264
 Phone No. (303) 861-4246

Company TXO PRODUCTION CORP.
 Signed Jeanne Anderson
 Title Engineering Aide

Sec. and % of X	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NWNE 27	17S	24E	#1	0	-	-	-	-	-	43-019-30995 ✓ Spudded well 11/17/82

GAS: (MCF)
 Sold 0
 Flared/Vented 0
 Used On/Off Lease 0

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 0
 Produced during month 0
 Sold during month 0
 Unavoidably lost 0
 Reason: _____
 On hand at end of month 0

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

AND JUNCTION
245-2906

HUGHES TOOL COMPANY

Date 11-28-82
 Company FYO
 Well No. LAT 101 #1
 Service Ticket No. 105505
 Formation 1st sand
 County Grand
 State Utah
 BJ Service Foreman Wesley Thomas
 Company Representative Glenn Hodge
 REMARKS: Plug + Abandon

WELL DATA
 Hole Size: 6 1/4 Depth: 5400
 Casing Size: 5 1/2 Wt. 15.3 Depth 5400
 Dlg. Fluid Type Water Wt. 8.5
 Stage Collars: _____
 Contractor: 170 175

CEMENT DATA

NO. SACKS	YIELD Cu. Ft./Sk.	CEMENT MIX	CUFF	VOLUME BBLs.	WT.
170	1.44	Class G Cement	194	34	17

Volume of Displacement 77.5 Bbl.
 Cement Circulated 170 Bbls.
 Circulation During Job? yes

Trucks Used 1415-5563-17037

TIME	RATE BPM	VOLUME BBL	PRESSURE		Job Detail
			TUBING	CASING	
4:30	Arrived				Log, Speed up - Safety meeting 1st Plug 3400-5200
7:11	3	3		300	11.0 Ahead
	5	17		300	Slurry
7:15	5	58		300	Mud Displacement
					2nd Plug 3400-3200
7:11	3	3		200	11.0 Ahead
	5	14		500	Slurry
7:17	5	23		300	Mud Displacement
					3rd Plug 2200-2100
7:12	3	3		100	11.0 Ahead
	4	9		100	Slurry
	5	15		500	Mud Displacement
					4th Plug 1300-1200
					5th Plug 1100-1000

TXO

WELL NAME: <u>BNT Federal #1</u>	PTD: <u>56.25%</u>
AREA: <u>Wildcat</u>	ELEVATIONS: <u>6690' GL, 6702' KB</u>
LOCATION: <u>Section 27, T17S-R24E</u>	CONTRACTOR: <u>CRC #75</u>
COUNTY: <u>Grand</u>	AFE NUMBER: <u>830002</u>
STATE: <u>Utah</u>	LSE NUMBER: <u>93819</u>
FOOTAGE: <u>1149' FNL & 1309' FWL</u>	TXO WI: <u>56.25%</u>

GRANITE CORP.
P. O. Box 22000
Ste. 744
Denver, Colorado 80222
Attn: Bill Kimball

Just Mail
PERSONAL & CONFIDENTIAL

APCOT-FINADEL JOINT VENTURE
American Petrofina, Inc.
P. O. Box 2159
Dallas, Tx 75221
Attn: Jim Henderson

Just Mail

- 11/18/82 324' (324'), WO csg. Mesaverde. Dust 160#. Spudded 12-1/4" hole @ 5 PM on 11/17/82. 3/4" @ 160', 1" @ 285'. DW: 139,358. CW: 139,358. DD 1.
- 11/19/82 370' (46'), drlg. Mesaverde. Dusting 175#. Ran 7 jts 9-5/8", 36#, K-55, float @ 276', shoe @ 317'. Pumped 20 bbls gelled wtr, 165 sxs 50/50 poz w/ 2% gel & 2% CaCl2, 1/2#/sx gilsonite. 65 sxs C1 "G" w/ 2% CaCl2. PD @ 12:47 PM. BP to 600#. Float held. Returns cmt to surf. DW: 20,827. CW: 160,185. DD 2.
- 11/20/82 1823' (1453'), drlg. Mesaverde. Dust 175#. Castlegate @ 1785'. 1" @ 495', 1" @ 1000', 2" @ 1470'. DW: 25,721. CW: 185,906. DD 2.
- 11/21/82 2183' (360'), cmtg intermediate string. Mancos. Air mist 200#. Returns began getting damp @ 1840', went to air mist. Drld to 2200'. Blew hole clean, made 5 stnd short trip, blew hole clean again. TOOH & made strap correction to 2183'. RU & ran 55 jts 7", 20#, K-55, ST&C set @ 2158'. FC @ 2117'. With csg on btm, had 25' of fill. Unable to clean out fill. Cmtd w/ 100 BM, 10 BM flush, 100 sxs 50/50 poz w/ 2% CaCl2, 2% gel, 1/2#/sx gilsonite & friction reducer, tailed by 100 sxs C1 "G" w/ 2% CaCl2, 1/2#/sx gilsonite & friction reducer. PD @ 7:25 AM on 11/21/82. BP to 1200#. Float held. Had returns @ end of job. Mancos top @ 1985'. Had to thaw lines during night. Roads & weather are very bad. Having to tow trucks in w/ cats. 2-3/4" @ 1860', 2-3/4" @ 2183'. DW: 14,500. CW: 200,406. DD 3.
- 11/22/82 2561' (378'), drlg. Mancos. Dust 200#. WOC, set slips & cut-off csg. NU BOP. TIH, drl cmt, blow hole dry. Resume drlg w/ dust. 3" @ 2415', 2-3/4" @ 2507'. DW: 7796. CW: 208,202. DD 4.
- 11/23/82 3163' (602'), drlg. Mancos. Dust 200#. 3" @ 2730', 3-1/4" @ 2938', 3" @ 3138'. DW: 12,104. CW: 220,000. DD 6.
- 11/24/82 3806' (643'), drlg. Mancos. Dusting w/ 200#. 3-1/2" @ 3370', 4" @ 3520', 4" @ 3796'. DW: 47,301. CW: 267,301. DD 7.
- 11/25/82 4770' (964'), drlg. Mancos. Dust 200#. 4-3/4" @ 4080', 4-1/4" @ 4358', 4" @ 4739'. DW: 17,758. CW: 297,360. DD 8.
- 11/26/82 5413' (643'), drlg. Dakota. Dust 200#. Had 30 second flare after trip @ 5269'. Had 15 second flare after connection @ 5301'. Frontier @ 5250'. Dakota @ 5295'. 5" @ 4980', 4-1/2" @ 5228'. DD 9.
- 11/27/82 5660' (247'), mudding up. Morrison. 8.8, 40, 7.2, 9.5. Drld to 5588' w/ air dust, hole began getting wet. Went to air mist & TD hole @ 2:30 PM on 11/27/82. Blew hole for 30 min, made 12 stnd short trip, had no fill, ran survey & TOOH. WO Dresser for 2 hrs. Dresser arrived on location @ 10 PM. RU & attempted to log, hit bridge @ 5550'. RD loggers. TIH w/ bit, tagged bridge @ 5550', set dn on bridge w/ 20,000#, would not go through. Mudded up hole. Morrison @ 5610'. 5-1/4" @ 5660'. DW: 7870. CW: 205,230. DD 10.

TXO

WELL NAME: BNT FEDERAL #1 PTD: 56.25%
AREA: Wildcat ELEVATIONS: 6690' GL, 6702' KB
LOCATION: Section 27, T17S-R24E CONTRACTOR: CRC #75
COUNTY: Grand AFE NUMBER: 830002
STATE: Utah LSE NUMBER: 93819
FOOTAGE: 1149' FNL & 1309' FWL TXO WI: 56.25%

11/28/82 5660' (0'), logging. Morrison. 8.8, 40, 7.2, 9.5. Fin mudding up. Drld on bridge w/ 8-25,000#, made 16', bit wouldn't drill any further. TOO H. Bit was balled up. TIH w/ new bit, tagged bridge @ 5566'. Fin drlg out bridges to TD. Circ & cond hole. Made 12 std short trip. No tight spots or fill. TOO H. RU loggers @ 5 AM & began logging. Had no fill on logs. DW: 7570. CW: 312,800. DD 11.

11/29/82 5660' (0'), MORT. Morrison. 8.8, 40, 7.2, 9.5. Fin running logs. WOO 2 hrs, LD DC, RIH & plug as follows: 60 sxs Cl "G" from 5200-5400', 70 sxs Cl "G" from 3200-3400', 40 sxs Cl "G" across shoe @ 2158'. LD DP, RD, RR @ 12 midnight 11/28/82. Drop from report until service rig moves in & finishes plugging well. DW: 23,445. CW: 336,245. DD 12.

TXO PRODUCTION CORP.

BNT FEDERAL #1

NW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 27-T17S-R24E

GRAND COUNTY, UTAH

GEOLOGIC REPORT

BY

CLARENCE L. HARR

SUMMIT MOUNTAIN GEOLOGY

RECEIVED

DEC 17 1982

DIVISION OF
OIL, GAS & MINING

WELL SUMMARY

OPERATOR: TXO PRODUCTION CORP.
WELL NAME: BNT FEDERAL #1 WILDCAT
LOCATION: 1149' FNL 1309' FWL
NW $\frac{1}{4}$ NW $\frac{1}{4}$ SECTION 27-T17S-R24E
AREA: BRYSON RIDGE FIELD
STATE: UTAH
COUNTY: GRAND
ELEVATION: GL 6690 KB 6704
SPUD DATE: NOVEMBER 17, 1982
COMPLETION DATE: NOVEMBER 28, 1982
TOTAL DEPTH: 5660 DRILLER 5660 LOGGER
OBJECTIVES: DAKOTA SANDSTONE: BUCKHORN SANDSTONE
STATUS: PLUGGED AND ABANDONED
HOLE SIZE: 12 $\frac{1}{4}$ " to 324'; 8 3/4" to 2183' 6 $\frac{1}{4}$ " to 5660
CASING SIZE: 9 5/8" to 324'; 7" to 2165'
LOGGING COMPANY: DRESSER ATLAS, GRAND JCT., COLO
TYPES OF LOGS: DIFL-SP-GR; FDC-CNL-GR-CAL
WELLSITE GEOLOGIST: CLARENCE L. HARR
COMPANY ENGINEER: GLENN HODGE
CONTRACTOR: CRC COLORADO WELL RIG #75
MUD COMPANY: AMERICAN MUD COMPANY; GRAND JCT
AIR CONTRACTORS: MOUNTAIN AIR DRILLING; GRAND JCT

WELL CHRONOLOGY

1982 DATE	MIDNIGHT DEPTH	FT/ DAY	DAILY OPERATIONS
11-17	146	146	Rig up- Spud @ 5:30 pm- Drlg 12 $\frac{1}{4}$ " hole
11-18	324	178	Drlg surface- POOH- Run 9 5/8" csg to 317 ft- WOC- Nipple up BOP
11-19	1474	1150	Pres test manifols, rams, & hydrill to 1000 psi- TIH- Tag cmt @ 264'- Set drive bushings and rotating head- Drlg cmt plug- Drlg new hole- Trip for jars- Change out rotating drivers- Drlg ahead
11-20	2183	709	Survey- Drlg- Blow hole- Start mist drlg @ 1876- Drlg- Hole loaded up at 2113- blow down hole- Circ- Short trip- Trip for intermediate csg- Strap out- 27 ft error
11-21	2450	267	Run 7" casing to 2165- Cmt csg- WOC- Nipple up- Pres test manifold, rams, & hydrill to 1000 psi- TIH- Tag cmt- Drlg- blow hole dry- Drlg ahead in 6 $\frac{1}{4}$ " hole- Survey- Work on rotating head- Drlg
11-22	3010	560	Drlg- Survey- Service rig
11-23	3560	550	Drlg- Survey- Blow hole- Service rig- TOH for NB #4 @ 3438- Drlg
11-24	4475	915	Drlg- Survey- Service rig
11-25	5269	794	Drlg- Survey- Circ for trip- POOH for NB #5 @ 5269
11-26	5660	391	TIH w/bit #5- Drlg- Damp hole @ 5587- Start mist drlg- Unload hole- TD hole at 5660- Circ & cond hole- Short trip 12 stds- 26' fill- Survey- Circ for loggers- POOH- W/o loggers 2 hrs- Rig up loggers- Hit bridge @ 5550'- TIH w/bit #6 to clean out bridge
11-27	5660	-0-	TIH- Nipple up for mud- Mud up hole- circ & cond hole 2 hrs- Drlg on bridge

Bit balled up at 8:00 am- Trip for new
bit- Drlg

11-28 5660 -0-

Drlg- Cut through fill- Circ & sgort trip
Condition hole for logging- POOH- Logg-
ing- Run in hole open ended- Plug and
abandoned

FORMATION TOPS

FORMATION	PROJECTED	DRILL TIME	"E" LOG	DATUM
BUCK TONGUE	1520	1531	1519	+5185
CASTLEGATE	1800	1785	1800	+4904
MANCOS	2000	1988	2002	+4702
MANCOS "B"		2470	2471	+4233
FRONTIER	4975	5025	5033	+1671
DAKOTA SILT	5250	5295	5302	+1402
DAKOTA FM		5350	5365	+1339
1st Kd SAND		5375	5411	+1293
2nd Kd SAND		5405	5446	+1258
3rd Kd SAND		5440	5469	_1235
4th Kd SAND		5470	5506	+1198
CEDAR MOUNTAIN		5500	5516	+1188
BUCKHORN		5570	5571	+1133
MORRISON	5525	5600	5616	+1088

STRUCTURAL COMPARISON TO NEAREST OFFSETS GRAND COUNTY, UTAH

FORMATION	TXO PRODUCTION BNT FEDERAL #1 SEC. 27-17S-24E		TXO PRODUCTION BARNHILL FED #1 SEC. 21-17S-24E		TXO PRODUCTION HOUGEN FED. #1 SEC. 14-17S-24E	
BUCK TONGUE	1519	+5185	630	+4920	1368	+5318
CASTLEGATE	1800	+4904	912	+4638	1657	+5029
MANCOS	2002	+4702	1121	+4429	1855	+4831
MANCOS "B"	2471	+4233	1608	+3942	2336	+4350
BASE "B"	3333	+3371	2453	+3097	3158	+3528
FRONTIER	5033	+1671	4232	+1318	4763	+1923
DAKOTA SILT	5302	+1402	4512	+1038	5018	+1668
DAKOTA FM	5365	+1339	4576	+974	5077	+1609
1st Kd SAND	5411	+1293			5094	+1592
2nd Kd SAND	5446	+1258	4632	+918	5134	+1552
3rd Kd SAND	5469	+1235	4670	+880	5173	+1513
4th Kd SAND	5506	+1198	4712	+838	5192	+1494
CEDAR MOUNTAIN	5516	+1188	4724	+826	5256	+1430
BUCKHORN	5571	+1133	4750	+800	5262	+1424
MORRISON	5616	+1088	4830	+720	5281	+1405
TOTAL DEPTH	5660	+1044	5060	+490	5320	+1366

SAMPLE DESCRIPTION

324-353	SH	60%	blk blkly ligmite
	SLTST	40%	dkgy sbrd fri
354-384	SLTST	100%	gy sdy
384-414	SLTST	100%	gy sl sdy
414-444	SLTST	100%	gy
444-509	SS	80%	ltgy vfgr mica
	SLTST	20%	dkgy
509-541	SS	50%	gy vfgr
	SH	40%	dkgy blkly carb
	SLTST	10%	gy
541-570	SS	80%	gy vf-fgr s&p
	SLTST	20%	ltgy wxy
570-598	SLTST	90%	ltgy mic sdy
	SS	10%	gy vfgr
598-673	SLTST	80%	ltgy mic sdy
	SH	20%	gy blkly
673-704	SLTST	100%	ltgy gy sl sdy
704-735	SS	100%	wh vfgr slty
735-766	SS	70%	ltgy vfgr fgr
	SLTST	20%	ltgy
	SH	10%	gy blkly
766-797	SS	90%	ltgy s&p vf-fgr ang mica slty
	SH	10%	gy lignite
797-827	SS	90%	a/a
	SH	10%	a/a
827-858	SH	100%	dkgy blkly v ligmite
858-888	SS	80%	gy vfgr
	SH	20%	dkgy lignite
888-920	SH	70%	dkgy blk lignite
	SLTST	20%	gy calc
	SS	10%	vfgr
920-951	SLTST	100%	gy calc
951-982	SS	100%	ltgy vfgr fgr sbang s&p
982-1011	SS	40%	ltgy fgr sbang s&p
	BENT	60%	wh tan
1011-42	SS	80%	dkgy vfgr lse
	COAL	20%	
1042-72	SS	80%	gy dkgy fgr sbang lse
	SH	20%	blk ligte
1072-1102	SH	60%	a/a
	SS	40%	a/a
1102-32	SS	30%	gy fgr lse
	SH	40%	blk dkgy blkly
	COAL	30%	
1132-61	SLTST	100%	dkgy sdy
1161-91	SLTST	50%	ltgy
	SH	50%	blk blkly ligte
1191-1221	COAL	90%	
	SLTST	10%	gy
1221-51	SH	60%	blk v ligte blk gy
	SLTST	40%	gy
1251-83	SS	100%	gy-ltgy fgr sbrd rd wsrtd lse

1283-1314	SS	100%	gy vfgr v slty
1314-45	SS	100%	a/a
1345-1377	SS	100%	wh-gy fgr sbang sbrd slty
1377-1408	SS	100%	wh ltgy fgr sbrd-sbang
1408-39	SS	100%	bcm slty
1440-70	SS	100%	gy vfgr occ sh strngrs dky brn ltgy
1470-1500	SS	100%	gy vfgr slty
1500-31	SS	100%	a/a
1531-62	SH	95%	blk-dky blk
	SS	5%	gy vfgr
1562-94	SH	100%	a/a
1594-1625	SH	100%	blk dky blk slty
1625-56	SH	70%	dky brn blk blk
	SLTST	30%	gy sdy
1656-88	SH	100%	brn blk blk sdy slty
1688-1719	SH	100%	a/a
1719-50	SH	100%	gy-blk blk slty occ sl sdy
1750-1782	SH	80%	dky brn blk blk slty
	SS	20%	wh-ltgy vf-fgr sbang sbrd
1782-1813	SH	90%	blk dky brn blk blk sl mic
	SS	10%	wh vfgr sbrd
1813-34	SH	80%	blk dky brn blk sft slty
	SS	20%	wh-s&p vfgr
1834-77	SH	70%	a/a
	SS	30%	a/a
1877-1908	SLTST	100%	blk sl sdy
1937-1968	SLTST	80%	dky blk brn doltc
	SS	20%	gy ltgy vfgr
1968-2018	SLTST	50%	dky blk sdy doltc hd
	SS	30%	gy dky fgr sbang slty
	SH	20%	dky
2018-50	SLTST	50%	a/a
	SH	40%	a/a
	SS	10%	a/a
2050-81	SH	80%	blk blk plty carb
	SLTST	20%	gy sl doltc
2081-2113	SH	100%	blk blk plty carb w slt stngrs sdy
2113-44	SH	100%	blk a/a
2144-74	SH	100%	gy doltc w/stngrs ltgy wxy clyst sdy
2174-2183	SH	100%	a/a
2183-2237	SH	100%	blk blk slty doltc frm
2237-2331	SH	100%	blk blk slty sl sdy doltc frm
2331-63	SH	100%	blk doltc slty
			NO STN NO FLUO FAINT CUT PALE GRN
2361-94	SH	100%	brn-blk doltc slty sl sdy mic
2394-2425	SH	100%	a/a sl pyric
			NO STN/FLUO FAINT PALE GRN
2425-55	SH	100%	a/a sl sdy
2455-87	SH	70%	brn blk blk doltc slty mic
	SS	30%	clr-wh vfgr sbang sbrd wsrtd
2487-2517	SS	40%	clr-wh vfgr sbrd sl frost wsrtd
	SH	60%	a/a NO STN FAINT CUT STRAW YEL
2517-48	SS	70%	vclr wh f-vfgr sbang sbrd fros wsrtd
	SH	30%	a/a
2548-80	SS	80%	a/a v arg
	SH	20%	a/a

2580-2640	SS	80%	a/a
	SH	20%	a/a
2640-71	SH	50%	blk dkgly slty
	SS	50%	wh-clr vfgr
			NO STN OR FLUO VERY FAINT STRAW YEL WH CUT
2671-2732	SH	70%	fkgy gy slty sdy
	SS	30%	wh-clr vfgr sbang wsrtd
2732-93	SH	50%	dkgly slty calc sdy
	SS	50%	wh vfgr sbang wsrtd
2793-2856	SS	60%	clr wh vfgr wsrtd
	SH	40%	dkgly blk slty sdy calc
2856-2917	SH	50%	dkgly blk slty sdy calc
	SS	25%	clr wh vfgr wsrtd
	SLTST	25%	gy sbrd lse
2917-3007	SH	40%	dkgly blk calc slty
	SLTST	30%	ltgy sdy
	SS	30%	wh-clr vfgr sbang
3007-67	SS	40%	wh-ltgy clr vfgr sbang
	SH	40%	dkgly calc slty
	SLTST	20%	
3067-3132	SH	50%	dkgly brn blk calc
	SS	40%	wh clr vfgr sbang
	SLTST	10%	gy sbrd lse
3132-63	SS	60%	wh clr vfgr
	SH	40%	dkgly blk calc slty
3163-93	SH	60%	dkgly blk calc slty
	SS	30%	clr wh vfgr slty
	SLTST	10%	gy
3193-3255	SS	60%	wh clr vfgr sbang wsrtd
	SH	40%	dkgly blk slty occ bent
			FAINT PALE YEL FLUO CUT
3255-3317	SH	50%	dkgly blk slty
	SS	50%	a/a
3317-3348	SS	60%	wh clr vfgr sbang
	SH	40%	dkgly slty
			FAINT PALE YEL FLUO CUT
3348-78	SS	5%	a/a
	SH	85%	dkgly plty blk calc
	SLTST	10%	gy ltgy bentic
3378-3438	SH	100%	dkgly blk blk plty calc
3438-3528	SH	90%	blk plty calc
	BENT	10%	gy ltgy
3528-93	SH	80%	gy dkgly plty blk calc
	BENT	20%	gy ltgy sft
3593-3682	SH	70%	dkgly gy calc sdy pyric
	BENT	30%	gy sft
3682-3743	SH	70%	dkgly calc
	BENT	30%	gy ltgy tan sft
3743-3838	SH	60%	gy dkgly calc mfrm
	BENT	40%	gy ltgy sft
3838-3900	SH	70%	dkgly calc mhd
	BENT	30%	gy ltgy
3900-32	SH	75%	dkgly sl calc
	BENT	25%	gy ltgy

3932-94	SH	80%	dkgy slcalc
	BENT	20%	ltgy
3994-4026	SH	100%	gy ltgy sl calc bent
4026-57	SH	100%	gy ltgy calc w/strngers lt tan ls ltgy bent
4057-88	SH	100%	gy calc w/ wh calc spks
4088-4119	SH	100%	gy blk plty calc tr bent
4119-50	SH	100%	gy slty calc loc sl slty & sdy
4150-81	SH	100%	gy dkgy calc w/ wh calc spks bent
4181-4213	SH	100%	dkgy blk calc brn slt pyric milk wh spar frags
4213-4245	NO SAMPLE		
4245-76	SH	100%	gy mgy calc plty sft slty
4276-4306	SH	90%	dkgy brn calc plty
	SS	10%	vfgr slty brn
4306-4336	SH	75%	dkgy brn
	SLTST	25%	vfgr brn grdg to sltst
4336-66	SH	60%	dkgy gy blk calc w/calc frags
	BENT	30%	ltgy gy slty sft
	SS	10%	brn v slty
4366-96	SH	50%	a/a
	SS	50%	wh-clr brn vfgr sbang
4396-4426	SS	40%	a/a
	SH	60%	a/a
4426-56	SH	60%	dkgy gy calc w/wh-milky spar frags
	BENT	10%	gy slty sft
	SS	30%	wh-clr vfgr
4456-86	SH	30%	gy calc w/spery calc frags
	SLTST	30%	gy
	SS	40%	wh-clr vfgr wsrted lse
4486-4583	SH	90%	dkgy v calc w/spary calc frag
	SS	10%	clt vfgr slty
	SLTST	TR	gy sbang lse
4583-4614	SH	90%	a/a
	SLTST	10%	grdg to ss
4614-4645	SH	75%	gy dkgy calc
	SS	25%	wh-clr vfgr sbang sbrd
4645-4677	SH	100%	gy dkfy calc w/stngers dkgy sltst & vfgr ss
4677-4706	SS	50%	a/a
	SH	50%	a/a
4706-4739	SH	85%	m-dkgy calc w/milky spar
	SLTST	10%	gy
	SS	5%	wh-clr vfgr
4739-4801	SH	60%	dkgy blk calc
	SS	40%	ltgy clr vfgr sbang
4801-4862	SH	90%	dkgy blk calc w/wh spery frags pyric bentic FLUO CUT STRAW YEL
	SS	10%	vfgr sbang s&p
4862-93	SH	100%	dkgy brn calc w/wh spar cal
4893-4924	SH	80%	dkgy brn calc abd wh calc frags
	SS	20%	vfgr brn sbang
4924-54	SH	100%	dkgy brn calc wh calc frags
4954-86	SH	90%	dkgy blk v calc wh calc frags pyric
	SLTST	10%	vfgr brn sdy
4986-5015	SH	80%	dkgy v calc abd wh calc frags
	SLTST	20%	brn clr vfgr sdy

5017-5049	SH	80%	dkgy calc abn wh crm tan calc frags
	SS	20%	vfgr clr sbang
5049-81	SH	90%	gy dkgy plty sl fis v calc w/brn, wh-crm calc frags
	SS	10%	a/a FAINT CUT PALE YEL FLUO
5081-5141	SH	75%	dkgy gy v calc wbrn wh calc frags
	SS	25%	wh-clr brn vfgr slty
		80%	PALE YEL GRN FLUO CUT
5141-71	SH	80%	dkgy brn v calc lsor brn calc frags
	SS	20%	clr-wh vfgr sbang lse
5171-5201	SH	80%	dkgy v slty calc
	SS	20%	wh-clr smky vfgr sbang
			FAINT CUT STRAW YEL
5201-31	SH	75%	dkgy gy vcalc slty w/calc frags
	SS	25%	wh smky vfgr sbang rd
			FAINT STRAW YEL CUT
5231-40	SH	70%	dkgy blk gy slty w/calc frags
	SS	30%	wh-clr smky vf-fgr sbang sbrd
			FAINT STRAW YEL FLUO CUT
5240-50	SS	50%	wh-clr smky vfgr sbang slty
			FAINT STRAW YEL FLUO CUT
	SH	50%	gy blk calc bent
5250-60	SS	50%	wh clr smky vfgr slty
			FAINT STRAW YEL FLUO CUT
	SH	50%	dkgy blk gy bcm bent
5260-70	SS	80%	a/a
	SH	20%	a/a
5270-80	SS	50%	a/a
	SH	50%	a/a
5280-90	SS	90%	a/a
	SH	10%	a/a
5290-5300	SS	70%	clr smky vf-fgr
	SH	30%	dkgy blk bcm bent
5300-10	SS	85%	wh-clr smky vf-fgr sbang sbrd wsrted lse
	SH	15%	dkgy blk slty
5310-20	SS	90%	clr fgr sbrd
	SH	10%	a/a
5320-30	SS	80%	clr smky vf-fgr wsrted lse
	SH	20%	blk dkgy calc
5330-40	SS	50%	a/a
	SH	50%	a/a
5340-50	SH	75%	a/a
	SS	25%	a/a
5350-60	SH	100%	blk dkgy gybrn calc
5360-70	SH	100%	blk calc
	SS	TR	clr wh smky vf-fgr wsrted lse
5370-80	SH	60%	blk calc
	SS	40%	clr-smky vf-fgr sbang sbrd
5380-5400	SS	60%	clr smky vf-fgr occ mgr sbang-sbrd
	SH	40%	a/a bcm bent
5400-10	SS	50%	clr smky vf-fgr sbang FAST FLUO CUT
	SH	50%	blk slty bent
5410-20	SS	60%	smky clr vfgr slty sbang ang FAST FLUO CUT
	SH	40%	a/a
5420-30	SH	80%	blk gy sl calc
	SS	20%	smky vfgr slty FAST FLUO CUT

5430-40	SH	90%	a/a
	SS	10%	smky brn vfgr slty FAST FLUO CUT
5440-50	SS	80%	smky clr vfgr slty ang sbang FAST FLUO CUT
	SH	20%	blk
5450-60	SS	95%	clr smky vf-fgr occ mgr sbang sbrd sil WHITE FLUO CUT
	SH	5%	a/a
5460-70	SS	80%	a/a
	SH	20%	a/a
5470-80	SS	100%	clr smky vfgr occ mgr sbang sbrd rd w/koa cmt WHITE FLUO CUT
5480-90	SS	100%	a/a
5490-5500	SS	100%	clr vfgr mgr sbrd-rd lse w/koa cmt WHITE FLUO CUT
5500-10	SS	95%	clr vfgr sbang rd
	CLY	5%	ltgy gygrn
5510-20	SS	90%	clr vfgr sbang
	SH	10%	dkgy
5520-30	SS	100%	vfgr clr smky lse
	SH	TR	pale grn clystn
5530-40	SS	100%	a/a incr palegrn clystn
5540-50	CLY	70%	pale grn sft sticky wxy
	SS	30%	clr vf-fgr sbang rd FAINT SLOW CUT FLUO
5550-60	SH	100%	clystn pale grn slty sdy FAINT SLOW CUT FLUO
5560-70	SH	60%	clystn pale grn gy slty
	SS	40%	wh vfgr fgr sbrd
5570-80	SS	95%	clr vf-fgr sbrd FAINTE YEL FLUO CUT
	SH	5%	clystn a/a
5580-90	SS	100%	clr vfgr mgr ang sbrd bcm wh cht FAST WHITE FLUO CUT
5590-5600	SS	80%	clr vfgr mgr ang sbrd w/brn cht 2% of vang grns had faint brn stn w/pale yel fluo STRONG FLUO DRY STRMG STRAW YEL FLUO
	SH	20%	a/a
5600-10	SS	50%	clr mlky f-mgr ang qtzic wh cht GOOD SHOW
	SH	50%	blk dkgy cvgs? clystn ltgy gygrn rust brn orng
5610-20	SS	40%	clr mlky wh f-mgr ang qtzic wh cht GOOD FLUO CUT
	SH	60%	clystn ltgy ltgrn pale grn tan slty blk dkgy mic
5620-30	SH	90%	a/a
	SS	10%	a/a VERY FAST FLUO CUT
5630-40	SS	40%	clr mlky wh vf-fgr occ mgr wh-gy cht
	SH	60%	ltgy grn occ brn orng dkgy blk clystn
5640-50	LS	60%	ltgy hd dns slty
	SH	40%	ltgy grn purp slty wxy occ dkgy
5650-60	LS	40%	ltgy ltgrn slty dns hd
	SH	60%	varagated wxy hd-sft calc

GEOLOGIC SUMMARY

&

ZONES OF INTEREST

DAKOTA SILT (5302-5365)

The Dakota Silt was 63 feet thick and consisted of thin interbeds of white, clear, smoky, very fine to fine grained sandstone, dark gray to black shale and gray siltstone. The unit is not considered as an objective reservoir in this area. A 45 second trip flare was encountered immediately above the silt at 5268 feet, and a 15 second connection flare at 5301 feet. No other valid shows were encountered.

DAKOTA FORMATION (5365-5516)

1st DAKOTA SAND (5411-14)

Only 3 feet of sand, very fine grained to silt size was encountered. API units of 100 indicate a shaley sand. The sand carried no shows. Sluffing black shales and bentonite through this upper Dakota section, resulting from mist drilling, necessitated mudding up hole to log.

2nd DAKOTA SAND (5446-5450)

Four feet of sandstone, smoky to clear, very fine grained to silt size was penetrated. Porosity values on the CNL-Density are not valid due to a rough hole. Although dust samples showed mainly loose grains, there were sufficient clusters with siliceous cement to indicate very low effective porosity. The 20 ohms of resistivity is attributed to siliceous cement. No shows were observed.

3rd DAKOTA SAND (5469-5492)

Total thickness of the sand is 23 feet, however, the upper portion is broken with interbedded shale and is ineffective as a potential reservoir. Samples through the lower half indicate a sandstone, clear smoky, very fine to medium grained, subangular to round with abundant kaolinite cement. The quality of cement is sufficient to eliminate most of any remaining effective porosity. Density porosity in the middle part of the sand is 9%. The lower section of the sand is eroded out and porosity is invaded. Resistivity ranges from 7 to 3.5 ohms. No shows were encountered.

4th DAKOTA SAND (5506-5516)

The fourth sand encountered at 5506 was 10 feet thick. Samples

indicate a clear, very fine grained, subangular quartz sand. The grains were loose with no discernible cement. The gamma ray API count of 20 units also indicates a relative clean sand, however, the low density porosity of 9 to 13% in the lower six feet suggests poor reservoir quality. The lower six feet of sand does exhibit gas effect and cross over, but Sw calculates at 90 to 100%. No shows were encountered.

CEDAR MOUNTAIN FORMATION (5516-5571)

Typical pale green claystones of the Cedar Mountain formation was first encountered at the 5000-10 foot sample along with initial cuttings of the Dakota 4th sand. If the samples were caught in order, the top of the Cedar Mountain should probably be picked at the base of the 3rd sand at 5492 feet. However below the base of the 4th sand at 5510, the rocks are definite Cedar Mountain lithology. The pastel varagated claystone beds of the Cedar Mountain thicken westward and are a continental deposit equivalent to the massive conglomerate of the Indianola located along the leading edge of the "Thrust Belt".

BUCKHORN (5571-5616)

The Buckhorn consisted of 45 feet of primarily quartz sand, clear to white, very fine to medium grained, subangular to subround with abundant white to gray chert. The sand was in part siliceous and quartzitic. A three foot shale separates the upper 14 feet of sand from the lower 28 foot bench. Cross plot porosities are 15% in both sands. The upper bench carried 4.5 ohms of resistivity and was wet, necessitating mist drilling at 5587 feet. Upon drilling into the lower bench there was a minor green oil scum ejected into the blow pit. There was no flare. A fair show was present in the samples from 5590 to 5600 feet. Resistivities range from 13 ohms in the upper part of the bench to 5.5 ohms in the lower with corresponding Sw of 40 to 57%. Data indicates a thin oil zone in the upper portion of the lower bench, 5592 to 96 feet and water in the lower part 5598-5608.

MORRISON (5616-5660 TD)

The Morrison claystone was encountered in the 5610-20 sample and the log top picked at 5616 feet. No shows were observed.

It is apparent the Dakota section lacks sands of sufficient porosity (permeability) to allow migration or entrapment of significant hydrocarbons in the immediate vicinity of the BNT FEDERAL #1. The Buckhorn has a thin oil zone which should be economical objective in an offset well, however, the risk would be high.

I appreciate the opportunity of working for TXO on the well site supervision for the BNT Fed. #1. If Summit Mountain Geology can be of any service on additional interpretation or verification of data, please call.

Clarence L. Harr

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. U-49726
 Federal Lease No. _____
 Indian Lease No. _____
 Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE San Arroyo/BNT Federal #1

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
Dec., 19 82

Agent's Address 1800 Lincoln Center Bldg. Company TXO PRODUCTION CORP.
Denver, Colorado 80264 Signed *Glenn Anderson*
 Phone No. (303) 861-4246 Title Engineering Aide

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NWNE 27 ✓	17S	24E	#1							43-019-30995 Waiting on completion unit.

GAS: (MCF)
 Sold _____
 Flared/Vented _____
 Used On/Off Lease _____

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month _____
 Produced during month _____
 Sold during month _____
 Unavoidably lost _____
 Reason: _____
 On hand at end of month _____

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. U-49726
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 Fee & Pat.

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE San Arroyo/BNT Federal #1

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
Jan., 19 83.

Agent's Address 1800 Lincoln Center Bldg.
Denver, Colorado 80264
 Phone No. (303) 861-4246

Company TXO PRODUCTION CORP.
 Signed *Shanne Anderson*
 Title Engineering Aide

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NWNE 27 ✓	17S	24E	#1	0	- 0 -	-	- 0 -	- 0 -	- 0 -	43-019-30995 P: A'd 1/19/83. FINAL REPORT.

GAS: (MCF)
 Sold
 Flared/Vented
 Used On/Off Lease

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month
 Produced during month
 Sold during month
 Unavoidably lost
 Reason:
 On hand at end of month

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

RIPPY, INC.

P. O. Box 66
Grand Junction, CO 81502
Phone (303) 243-4591

Date 1/15/83

CEMENTING AFFIDAVIT PULLING & PLUGGING REPORT

Company TXO Production Corp.

Lease BNT Fed Well No. #1

Section _____ Township _____ Range _____ Unit _____ County _____

500 Ft. of 7" Casing Recovered

_____ Ft. of _____ Casing Recovered

PLUGS SET

1. 20 Sax Cement Set At 2100 Ft. To 2200 Ft.

2. 20 Sax Cement Set At 450 Ft. To 550 Ft.

3. 20 Sax Cement Set At 260 Ft. To 360 Ft.

4. 10 Sax Cement Set At Surface Ft. To _____ Ft.

5. _____ Sax Cement Set At _____ Ft. To _____ Ft.

6. _____ Sax Cement Set At _____ Ft. To _____ Ft.

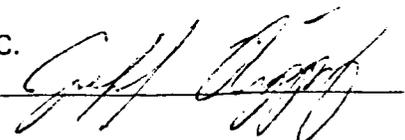
7. _____ Sax Cement Set At _____ Ft. To _____ Ft.

8. _____ Sax Cement Set At _____ Ft. To _____ Ft.

Other Thin Mud inbetween all plugs

RIPPY, INC.

Signed



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other DRY

2. NAME OF OPERATOR
TXO PRODUCTION CORP.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1149' FNL & 1309' FWL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

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

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

5. LEASE
U-34732

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
BNT Federal

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 27, T17S-R24E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.
43-019-30995

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6690' GL

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

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

The above well was plugged and abandoned on January 15, 1983 as per Mr. Bill Martens on 11/28/82. The plugs were as follows: 5200-5400', 3200-3400', 2100-2200', 450-550' (50' in & 50' out of 7" stub), 260-360' (50' in & 50' out of 9-5/8" shoe), and 10 sxs at the surface. Filled RH and MH to surface with cement. Cut-off wellhead 3' below surface and installed dry-hole marker. Recovered 480' of 7" casing. Will rehabilitate location as per APD when conditions permit.

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1/21/83
BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED R. Bruce Wright TITLE Petroleum Engineer DATE 1/21/83

(This space for Federal or State office use)

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

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

3
4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-34732

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BNI Federal

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Bryson Canyon

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

Section 27, T17S-R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
TXO PRODUCTION CORP.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1149' FNL & 1309' FWL-Section 27, T17S-R24E
At top prod. interval reported below same as above
At total depth same as above

14. PERMIT NO. 43-019-30995 DATE ISSUED 8/26/82

15. DATE SPUNDED 11/17/82 16. DATE T.D. REACHED 11/27/82 17. DATE COMPL. (Ready to prod.) N/A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6704' RKB 19. ELEV. CASINGHEAD 6690'

20. TOTAL DEPTH, MD & TVD 5660' 21. PLUG, BACK T.D., MD & TVD N/A 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS All CABLE TOOLS none

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIEL-GR, FDC-CNL-GR 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#/	317'	12-1/4"	230 SXS	None
7"	20#/	2158'	8-3/4"	200 SXS	480'

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)

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)
N/A		P & A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CGRR.)

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

35. LIST OF ATTACHMENTS
Well history, Cementing Report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED R. Bruce Wright TITLE Petroleum Engineer DATE 1/21/83

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

INSTRUCTIONS

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

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
				Castlegate	1800'
				Mancos	2015'
				Mancos "B"	2471'
				Dakota	5302'
				Morrison	5618'