

TEXAS OIL & GAS CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

January 2, 1981

RECEIVED

JAN 5 1981

DIVISION OF
OIL, GAS & MINING

Mr. Jack Feit
Utah Division of Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Application for Permit to Drill
Barnhill Federal #1
Section 21-T17S-R24E
Grand County, Utah

Dear Mr. Feit:

Texas Oil & Gas Corp. requests permission to proceed with drilling the above referenced well at the following location: 1527' FNL, 1065' FEL, Section 21-T17S-R24E, Grand County, Utah. To assist your review of the well and location, one copy each of an APD, 10-point plan, BOP schematic, and location plat has been provided.

The above location has been approved by representatives from the USGS and BLM.

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

Very truly yours,

TEXAS OIL & GAS CORP.

Scott McGlochlin

Scott McGlochlin
Environmental Administrator

SM/bs
Enclosures/as stated

OK as per order issued in Cause 47-2
Jld Sept 22, 1976 provided well is no closer than
2500 feet from a producing gas well in the Westwater
or horizon unit

MSJ

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Nationwide Bond. No. 199-32-08

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
 Texas Oil & Gas Corp.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1527' FNL, 1065' FEL, Section 21-T17S-R24E
 At proposed prod. zone **SE NE**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 31.5 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1065'

16. NO. OF ACRES IN LEASE 360

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 4475' *Morrison*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5536' GR

22. APPROX. DATE WORK WILL START* December 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	K-55 24# new	650'	450 sacks <i>Count to surface</i>
7 7/8"	4 1/2"	K-55 10.5 new	4475'	300 sacks 50-50 poz
24"	16"	Conductor	40'	2.5 yards

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 1/19/81

BY: *[Signature]*

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 *L.A. Varela* TITLE Drilling & Prod. Manager DATE November 19, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

9-331 C ADDENDUM
Barnhill Federal #1
Section 21-T17S-R24E
Grand County, Utah

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

Castlegate Sandstone	478'
Mancos Shale	599'
Dakota Group	4099'
Second Dakota Sandstone	4124'
Third Dakota Sandstone	4174'
Fourth Dakota Sandstone	4194'
Buckhorn Sandstone	4259'
Morrison Formation	4324'
TD	4475'

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

Expected Gas Zones:	Second Dakota SS	4124'
	Third Dakota Sandstone SS	4174'
	Fourth Dakota SS	4194'
	Buckhorn SS	4259'

Water may be encountered in first 500' of the Mesa Verde

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'-650'	Spud mud at 8.8-9.2#/gal., vis. 30-40 sec API.
650'-TD	Air or air mist. If necessary, will mud up with 3% KCl mud.

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. GR induction (TD - 2000')
- C. SNP-FDC-GR with caliper (TD - 2000' above)

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	December 15, 1980
Spud date	December 20, 1980
Complete drilling	January 1, 1981
Completed, ready for pipeline	February 1, 1981

- 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.

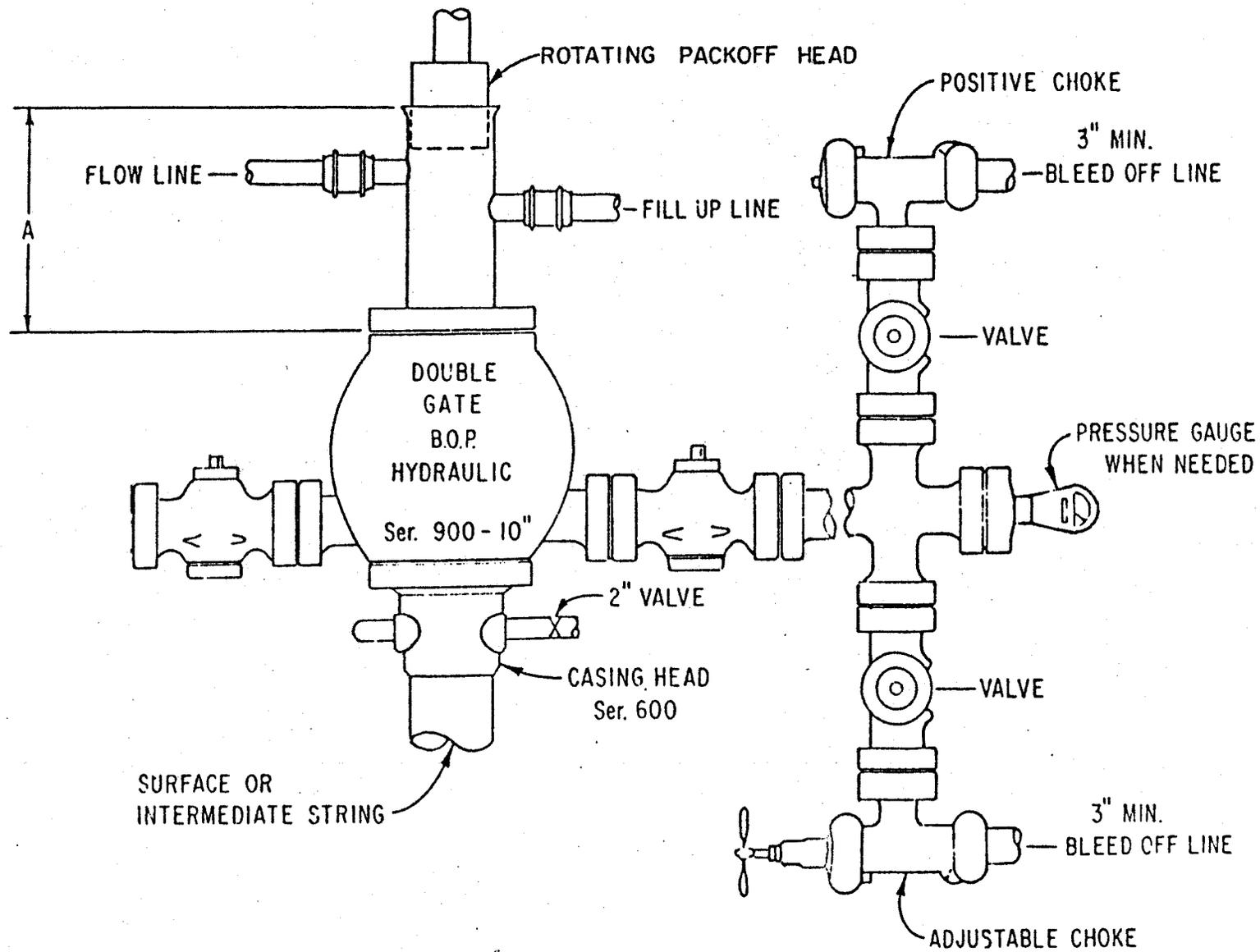


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM

** FILE NOTATIONS **

DATE: January 7 1981
OPERATOR: Texas Oil & Gas Corp.
WELL NO: Barnhill Federal #1
Location: Sec. 21 T. 17S R. 24E County: Grand

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API Number 43-019-30766

CHECKED BY:

Petroleum Engineer: M. J. Minder
As a laydown 380 ac N 1/2

Director: Cause # 47-2 dated Sept. 22, 1976

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. 47-2 9/22/76 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.



United States Department of the Interior

IN REPLY REFER TO

3109
(U-603)

BUREAU OF LAND MANAGEMENT

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

JAN 7 1981

Memorandum

To: Oil & Gas Office, USGS Conservation Division
P.O. Box 3768
Grand Junction, Co. 81502

From: Acting Area Manager, Grand

Subject: Application to Drill: U-24620
Texas Oil & Gas
Well: Barnhill Fed. #1
Section 21, T. 17 S., R. 24 E.
Grand County, Utah

On December 24, 1980 a representative from this office met with Glen Doyle, USGS, and Paul Urban agent of the Texas Oil & Gas for an inspection of the above referenced location. Subject to the attached conditions and an approved Permit to Drill from the 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 Texas Oil & Gas.

M. Scott Packer

Enclosure:
Reclamation Procedures

*Jan 9 81
Packer*

January 8, 1981

Texas Oil & Gas Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

RE: WELL NO. BARDHILL FEDERAL #1
Sec. 21, T. 17S, R. 24E
Grand County, Utah

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. 47-2, dated September 22, 1976.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 833-5771
Home: 876-5001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation on 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 43-019-20766.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Cleon B. Feight
Director

/ko
cc: USGS

DUPLICATE

SUBMIT IN **DUPLICATE**
(Other instr as on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Nationwide Bond. No. 199-32-08

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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SINGLE ZONE MULTIPLE ZONE

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RECEIVED

FEB 4 1981

DIVISION OF OIL, GAS & MINING

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24. SIGNED J. A. Varela TITLE Drilling & Prod. Manager DATE November 19, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (Orig. Sgd.) A. M. RAFFOUL FOR E. W. GUYNN DISTRICT ENGINEER DATE FEB 2 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY *See Instructions On Reverse Side

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

NOTICE OF APPROVAL

ut State O & G

T17S, R24E, S.L.B.&M.

PROJECT

TEXAS OIL & GAS

Well location, *BARNHILL FEDERAL #1*, located as shown in the, SE1/4 NE1/4 Section 21, T17S, R24E, S.L. B.&M. Grand County, Utah.

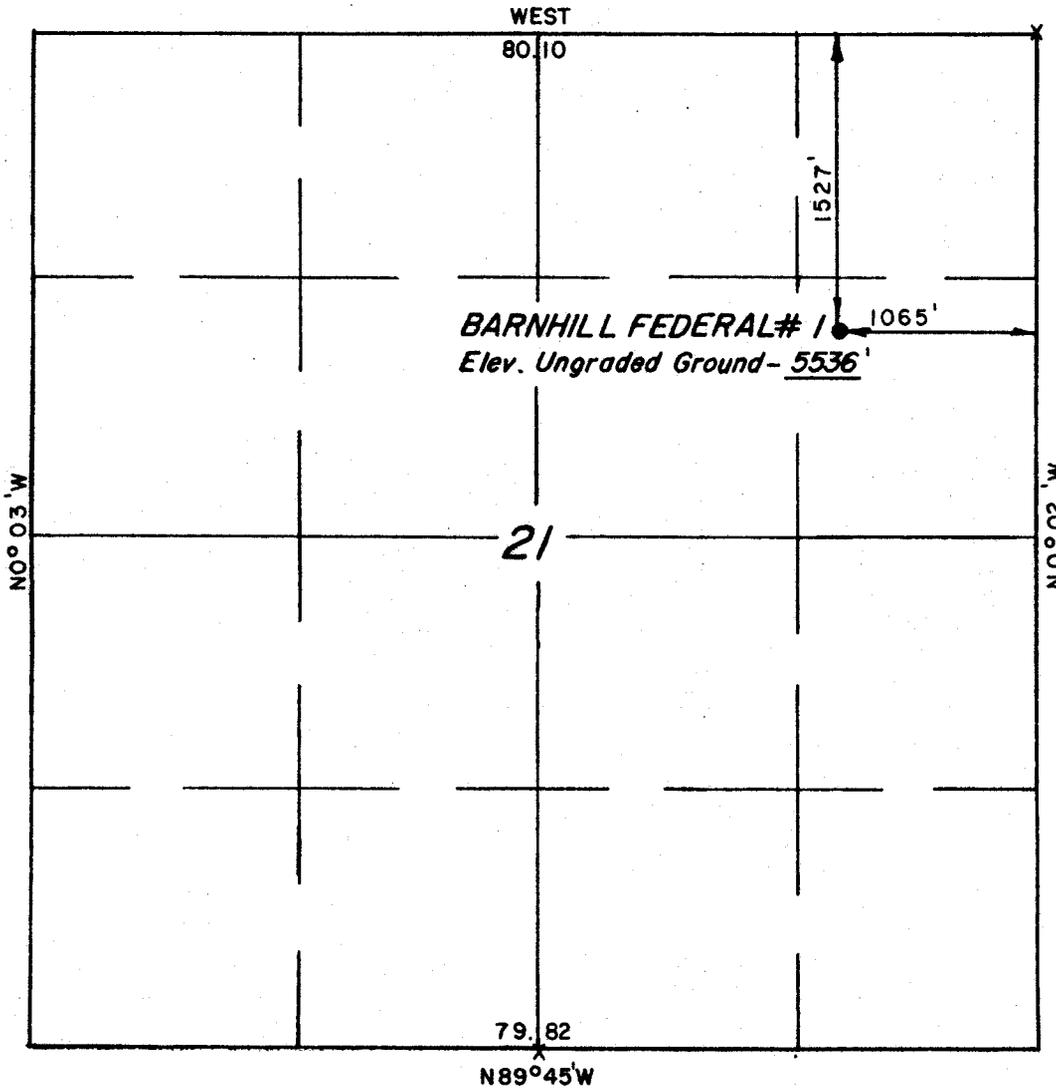


Exhibit 2



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.

Gene Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE OCT. 27, 1980
PARTY MS, KH, SH, DD	REFERENCES GLO Plat
WEATHER CLEAR & HOT	FILE TEXAS OIL & GAS

X = Section Corners Located

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Texas Oil & Gas Corp. Barnhill Fed #1
 Project Type Development Gas Test
 Project Location 1527' FNL, 1065' FEL, Sec. 21, T17S, R24E, Grand County, Utah
 Date Project Submitted November 21, 1980

FIELD INSPECTION Date December 24, 1980

Field Inspection

Participants	<u>Paul Urban</u>	<u>Operator</u>
	<u>Forrest Bird</u>	<u>Galley Construction</u>
	<u>Jeff Robbins, Mical Walker</u>	<u>Bureau of Land Management</u>
	<u>John Bare</u>	<u>Northwest Pipeline</u>
	<u>Glenn Doyle</u>	<u>U. S. Geological Survey</u>
	<u>Typing In: 1/16</u>	
	<u>Out: 1/19</u>	

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.

January 16, 1981
 Date Prepared


 Environmental Scientist

I concur

1/27/81
 Date


 District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety					1, 2				
2. Unique characteristics					1, 2				
3. Environmentally controversial					1, 2				
4. Uncertain and unknown risks						4			
5. Establishes precedents					1, 2				
6. Cumulatively significant					1, 2		6		
7. National Register historic places	1 - 1/9/81								
8. Endangered/threatened species	1 - 1/9/81								
9. Violate Federal, State, local, tribal law						4			3

Site-specific stipulations attached.

Site-Specific Stipulations

- 1) Reduce the wide side of the location by 25' (final pad width 170'), riprap the slopes bordering the East Canyon main drainage, and insure that the slopes along the pipeline right-of-way are a minimum 1:1 and riprapped.
- 2) Coordinate closely with Northwest Pipeline when crossing the buried lines with the drainage reroute emanating from the northwest corner of the wellpad.
- 3) Construct a diversion ditch originating at a steeply-sloping drainage on the northeast corner across the north edge of the wellpad and emptying into the main East Canyon drainage. If production is established, this temporary diversion is to be obliterated and a permanent drainage channel constructed along the east edge of the wellpad, emptying into the main East Canyon at a point below the southeast corner of the location.

If production does not ensue, then the original drainage pattern (prior to any construction) will be restored completely.

- 4) The main East Canyon drainage will be rerouted and rounded in a manner designed to approximate the natural drainage arc and slope. If production is established, this reroute will remain. If no production results, the drainage will be restored to its original condition.
- 5) Coordinate closely with the BLM and USGS by contacting us at least 24 hours prior to beginning construction.

Texas Oil and Gas Corp.
Well Barnhill Federal No. 1
Sec. 21-17S-24E
Grand County, Utah
Lease No. U-24620

Supplemental Stipulations:

- 1) Contact the BLM office at least 48 hours prior to beginning construction on the access road and the location. A BLM representative and/or a USGS representative should be on location during the excavation.
- 2) If changes need to be made relating to the excavation of the location, the USGS and/or the BLM must be notified prior to making any deviation from the approved permit to drill.
- 3) Twelve inches of topsoil will be stockpiled prior to leveling the location.
- 4) Referring to the application for permit to drill exhibit #4, the width of the location will be reduced by twenty-five feet. The reduction will come from the frontage survey stakes: 2, 1, and 8 respectively.
- 5) The main wash will be temporarily re-routed to between the proposed well location and the East Canyon road. Re-routing will entail excavating a gradual turn from the present low water crossing above the location to in front of the proposed location so that any water will not under-cut the well pad. The operator's representative will make sure that the sides of the re-routed wash are rip-rapped. The slope of the sides of the re-routed wash which impinge on the pipeline ROW will be 1:1.
- 6) The drainage at the northeast corner of the location (survey stake #4, exhibit #4) will be temporarily diverted into the re-routed main drainage during the operation phase of the drilling program. Should production occur, a drainage will be excavated across the production site to facilitate water movement along the natural land repose.
- 7) If the well is to be plugged and abandoned, this location will be restored to its original physiography and all blocked or re-routed drainages and washes will be returned to their pre-excavation courses.
- 8) Referring to the application for permit to drill exhibit #4, the access road has been moved. It will now be designed to enter onto the location from the Northwest corner of the drill pad (survey stake #2). The access road is now designed to come off the main East Canyon road from above the low water crossing and will be on the uphill side of the re-routed main drainage. Should this location be plugged and abandoned, that portion of the access road from the East Canyon County road to the location will be restored and re-seeded.
- 9) Because of the changes made during the pre-work conference, exhibit #3 in the application for permit to drill is no longer applicable and therefore not approved.
- 10) If the location is to be plugged and abandoned, the operator will notify the BLM when they intend to restore the location and at the time they re-seed the well pad and access road.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2 percent	Grade	-	200 ft. intervals
2-4 percent	Grade	-	100 ft. intervals
4-5 percent	Grade	-	75 ft. intervals
5 percent	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).



United States Department of the Interior

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.

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Texas Oil and Gas Dave Johnson 303-861-4246

WELL NAME: Barn Hill Fad #1

SECTION 21 TOWNSHIP 17S RANGE 24E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 5050'

CASING PROGRAM:

- 16" @ 60' circ. to surface
- 9 5/8" @ 716' circ. to surface
- 7 7/8" openhole T.D.

FORMATION TOPS:

- Maness- 650'
- Dakota- 4570'
- Buekhorn- 4750'
- Morrison- 4830' (water)

no shows

PLUGS SET AS FOLLOWS:

- 1) 4800-4600'
- 2) 2300-2100'
- 3) 800-600'
- 4) 40'-surface

Place 9#, 40 vis. fresh water gel based abandonment mud between plugs; clean, restore and regrade site, erect regulation dryhole marker.

DATE 2-25-81 SIGNED MTM

TEXAS OIL & GAS CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

March 10, 1981

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, UT 84116

RE: Abandonment of
BARNHILL FEDERAL #1
Section 21-T17S-R24E
Grand County, Utah

Gentlemen:

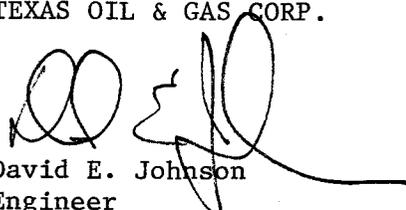
Enclosed is a package detailing abandonment of the subject well.
Included are the following:

1. Well history and chronology
2. Form 9-330
3. Form 9-331
4. Form OGC-8-X
5. One (1) copy of all electric logs

Please treat all material as confidential, and contact the undersigned
should you require any further information concerning this abandonment.

Very truly yours,

TEXAS OIL & GAS CORP.


David E. Johnson
Engineer

DEJ/ab

Enclosures

RECEIVED
MAR 12 1981

DIVISION OF
OIL, GAS & MINING

WELL NAME: BARNHILL FEDERAL #1
 AREA: East Canyon
 LOCATION: Section 21-17S-24E
 COUNTY: Grand County
 STATE: Utah
 ELEVATIONS: 5536' GL, 5550' KB
 FOOTAGE: 1527' FNL, 1065' FEL

CONTRACTOR: ATCO #18
 NID APPROVED: _____
 EST. ID: 4475'
 AFE NUMBER: 810736
 LEASE NUMBER: 91713
 TXO WI: 50%

COMPANY	CONTACT	ALTERNATE
TXO 2150 Fidelity Union Tower Dallas, TX 75201	(214) 747-8341 Telecopy	J. D. Huppler
Odegard Resources, Inc. Cherry Creek Plaza II 650 South Cherry Street Suite 440 Denver, CO 80222	(303) 388-3685 Shiela Boid Call Daily Mail Weekly	Cam Downey
Odegard Resources, Inc. 811 Dallas Street Suite 1211 Houston, TX 77002	(713) 650-1721 Mail weekly	M. A. Odegard
J. C. Thompson 1700 Broadway Suite 1219 Denver, CO 80290	(303) 839-5748 J. C. Thompson Call daily Mail weekly	

02/16/81	385', made 385' in 21 hrs. Drlg, sd/sh. 8.7, 45. 3/4° @ 256'. SPUDDED 12¼" hole @ 10:00 am on 2/15/81. Bit No. 1, 12¼", REED, Y12RR, Jets 20, 20, 20. Ftg, 385' in 21 hrs. DW 18,468. CW 18,468. DD 1.
02/17/81	505', made 120' in 6¼ hrs. Reaming to btm, sd/sh. 8.7, 45. Bit No 1, 12¼", REED, Y12RR, Jets 20, 20, 20, out 505'. Ftg 505' in 27¼ hrs. Bit No. 2, 12¼", REED, Y11, jets 16, 16, 16. Reamed 350' in 6¼ hrs. DW 10,973. CW 29,441. DD 2.
02/18/81	725', made 220' in 12½ hrs. WOC. 12¼ hole TD @ 1:30 am on 2/18/81. RIH w/8 5/8" CGS (1.0'), 1 jt 8 5/8" 24# K-55 ST&C 8rd R-3 C-A csg (43.84'), 1 8 5/8" insert float, 16 jts 8 5/8" csg (674.90'), set @ 715' KB. Float @ 675.90'. Cmt w/500 sxs cmt w/2% CaCl ₂ . Displ w/43 bbl fresh wtr. Circ good, float held. PD 8:15 am on 2/18/81. DW 17,465. CW 46,906. DD 3.
02/19/81	725' (0'), pres tst BOP, will drl out this a.m. DW 15,750. CW 62,650. DD 4.
02/20/81	1235', made 510' in 10 3/4 hrs. Drlg, sh, dust. Rng 7 7/8" IBS @ 60' ab bit. Bit No. 3, 7 7/8", REED, FP53J, Jets Open. 1 3/4° @ 947', 1¼° @ 1134'. DW 13,530. CW 76,180. DD 5.
02/21/81	2462', made 1227' in 21 3/4 hrs. Wkg on pipe rams, sh, dust. Bit No. 3, 7 7/8", REED, FP53-J, Jets open. Ftg = 1737' in 32½ hrs. 1¼° @ 1628', 1½° @ 2123'. DW 10,312. CW 86,492. DD 6.
02/22/81	3796', made 1334' in 18 3/4 hrs. Drlg, sh, dust. Bit No. 3, 7 7/8" REED, FP53-J, Jets open. Ftg = 3071' in 51¼ hrs. 2° @ 2617', 3° @ 3115', 3½° @ 3610'. DW 31,780. CW 118,272. DD 7.
02/23/81	4509', made 713' in 14 3/4 hrs. rng survey, sh, dust. 8° @ 4106', 10° @ 4262', 9° @ 4385'. Bit No. 3, 7 7/8", REED, FP53-J, Jets open. Ftg = 2047' in 66 hrs. DW 11,460. CW 129,732. DD 8.
02/24/81	4975', made 466' in 18¼ hrs. Drlg, sd/sh, mist. 8½° @ 4509'. 3 sec flare @ 4785' after dwn 3 3/4 hrs for torque converter installation. Bit No. 3, 7 7/8", FP53-J, Jets open. Ftg = 2513' in 84¼ hrs. DW 8280. CW 138,012. DD 9.
02/25/81	5050', made 75' in 4½ hrs. WOO, sd/sh, mist. Bit No. 3, 7 7/8", REED FP53-J, Jets open, out 5050'. Ftg 4325' in 88 3/4 hrs. 7° @ 5036'. Start Logs @ 5:15 pm on 2/24/81. Fin Logs 1:15 am on 2/25/81. LTD 5060'. Ran DIL 5054-716', FDC 5054-3002', SNP 5014-3004'. DW 24,798. CW 162,810. DD 10.

TEXAS OIL & GAS CORP
DENVER DISTRICT

BARNHILL FEDERAL #1
Section 21-17S-24E
Grand County, Utah



02/26/81 5050' PBTD, RD. Plugged as follows: 4800'-4600' w/60 sxs, 2300'-2100' w/60 sxs, 800'-600' w/60 sxs, surf w/10 sxs, RH & MH w/5 sx. Last plug Down @ 7:15 am on 2/26/81. DW 14,240. CW 177,050. DD 11.

02/27/81 5050' PBTD, WORT, Well P&A'd. RR @ 2:00 pm on 2/26/81. DW 2000. CW 179,050.
FINAL REPORT!!!

1/15/81



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLIC.

(See other instructions on reverse side)

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

8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Texas Oil & Gas Corp.

TIGHT HOLE

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

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

At surface 1527' FNL & 1065' FEL

At top prod. interval reported below
1527' FNL & 1065' FEL

At total depth
1527' FNL & 1065' FEL

SENE
Release Date: 9-25-81

14. PERMIT NO. 43-019-30766 | DATE ISSUED 1-9-81

5. LEASE DESIGNATION AND SERIAL NO.
U-24620

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
BARNHILL FEDERAL

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
East Canyon

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 21-T17S-R24E

12. COUNTY OR PARISH Grand | 13. STATE Utah

15. DATE SPUDDED 2-15-80 | 16. DATE T.D. REACHED 2-25-81 | 17. DATE COMPL. (Ready to prod.) 2-25-81 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5536' GL | 19. ELEV. CASINGHEAD 5536'

20. TOTAL DEPTH, MD & TVD 5050' | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS 0-5050 | CABLE TOOLS

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

26. TYPE-ELECTRIC AND OTHER LOGS RUN
DIL - GR, FDC, SNP-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#	715'	12 1/4"	500 SXS	-

29. LINER RECORD | 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

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

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

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

35. LIST OF ATTACHMENTS

Forms 9-331, CGC-8-X, Well history, Electric Logs.

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

SIGNED [Signature] TITLE Engineer DATE March 10, 1981

*(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	
				TOP	TRUE VERT. DEPTH
				700	Same
				4850	Same
					Same
					Same
					Same

**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 hole

2. NAME OF OPERATOR
Texas Oil & Gas Corp.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1527' FNL & 1065' FEL
AT TOP PROD. INTERVAL: 1527' FNL & 1065' FEL
AT TOTAL DEPTH: 1527' FNL & 1065' FEL

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)		

5. LEASE
U-24620

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
BARNHILL FEDERAL

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
East Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 21-T17S-R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30766

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5536' 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.)*

No gas flares were encountered during air drilling and electric logs showed no potentially productive zones to exist. Verbal approval to plug and abandon was received from Mr. Assad Raffonl, Utah USGS, at 2:10 pm on February 25, 1981. Well was plugged as follows:

60 sx @ 4600'-4800'
60 sx @ 2100'-2300'
60 sx @ 600'- 800'
10 sx @ 40'-Surf.
10 sx @ RH & MH

A regulation dry hole marker has been erected and location rehabilitation will begin as soon as practicable.

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

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

SIGNED [Signature] TITLE Engineer DATE March 9, 1981

(This space for Federal or State office use)

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

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number BARNHILL FEDERAL #1

Operator Texas Oil & Gas Corp. Address 1800 Lincoln Center Tower, Denver CO 80264

Contractor ATCO Drilling Address 3515 So Tamarac #230, Denver, CO 80237

Location SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21 T: 17S R: 24E County Grand

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	4600'	TD	3 BPH	Salty
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
TXO Production Corp.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
1527' FNL, 1065' FEL,
AT SURFACE: Sec. 21-T17S-R24E
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

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

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

5. LEASE
U-24620

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Barnhill Federal

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
East Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21-T17S-R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5536' Gr

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

DIVISION OF
OIL, GAS & MINING

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

Effective September 1, 1981, the exploration and production activities of Texas Oil & Gas Corp. have been reorganized into a new corporate branch, TXO Production Corp. As a consequence, the operator name for this well is changed to "TXO Production Corp.", as indicated above in Item 2.

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

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

SIGNED Charles K. Curlee TITLE Environmental Adm. DATE 9/14/81
Charles K. Curlee

(This space for Federal or State office use)

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