UNITED STATES DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

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Budget Bureau No. 42-R1425.

6. IF INDIAN, ALLOTTEE OF TEIDE NAME

20 -1115-211130

_	40 m	140 <u> </u>	014	7950	
5.	LEASE	DESIGN	ATION A	AND SERIA	L NO.

SF079938

GEOLOGICAL SURVEY

APPLICATION	N FOR PERMIT	O DRILL, D	EEPEN, C	OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OF TEIBE NAME		
1a. TYPE OF WORK	LL 🖾	DEEPEN [_	PLUG BA		7. UNIT AGREEMENT NAME		
b. TIPE OF WELL	LL []	DELI LIN E	_	, 200 2.				
_	ELL X OTHER		SINGLE S	X MELTI	PLE _	S. PARM OR LEASE NAME		
TELL TO TERATOR	LLL CO OTHER					Jones Com		
Tenneco Oil	Company					9. WELL NO.		
S. ADDRESS OF OPERATOR						4		
720 South Co	olorado Blvd., D	enver, Colo	rado 802	22		10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)						Basin Dakota		
At surface						11. BEC., T., R., M., OE BLK. AND BURVET OR AREA		
1580 FSL, 12 At proposed prod. 200								
At proposed prod. zon	ie.					Sec. 30, T29N, R8W		
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST	OFFICE*			12. COUNTY OR PARISH 13. STATE		
6 miles east	t, southeast of	Blanco, N.M	•			San Juan N.M.		
15. DISTANCE FROM PROPO				RES IN LEASE		OF ACKES ASSIGNED THIS WELL 274 01		
LOCATION TO NEARES! PROPERTY OR LEASE I	INE, FT.		937.20			374.81		
(Also to nearest drl) 18. DISTANCE FROM PROF	S. unit line, if any)		19. rhorosed	DEFTE	20. вот	ARY OR CABLE TOULS		
TO NIAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,		6977 R			otary ·		
21. ELEVATIONS (Show wh						22. APPROX. DATE WORK WILL START*		
6458 GR						A.S.A.P.		
		DD 000000 01000	O 4350 OFFI	ENTING TRACT				
23.	1	PROPOSED CASIN	G AND CENT	MING PROGR				
SIZE OF HOLE	RIZE OF CASING	WEIGHT PER FO	TOC	TTING DEPTH	_	QUANTITY OF CEMENT		
13 3/4"	9 5/8" new	36#		<u>-300'</u>	Cir	cculate to surface		
8 3/4"	7 " new	23#		<u>-</u> 3000'	_	rculate to surface		
6 1/4"	4 1/2" new	105#	-6977' Ci:		Cir	rculate to liner top		
The gas is		proposal is to deep	REM	ck, gire data on	Present Dr	OIL COM proposed new productive and true grical depths. Sire blowor		
preventer proposal is to		igny, give pertinen	C CALL OF BUDS			.51. 3		
24.	111							
	Triem	<u> </u>	Staff	Production	n Analy	st May 13, 1980		
#16XED	, , , , , , , , ,							
(This space for Fed	eral or State office use)							
PERMIT NO.	/*·		APPRO	TAL DATE				
PERMIT NO.	11/1/ 12	11/1				T TO SERTIVED		
ABBROTTE BY	harle. It	Colger	rle	or other se		RAFE		
CONDITIONS OF APPRO	VAL, IF ANT:		tan ing sampa men Sampa sampa ang a	. 2 . t s. a. a.		· 在是女子的一个		
		*See Instru	uctions On F	leverse Side		Hame & sime		

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Well No. Operator JONES COM TENNECO OIL COMPANY County Range Township Section Unit Letter San Juan 8W 29N K Actual Footage Location of Well: feet from the West 1250 1580 - feet from the line and Dedicated Acreage: Producing Formation Ground Level Elev: 374.81 Acres Basin Dakota Dakota 6458 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitazation, force-pooling. etc? communitization If answer is "yes," type of consolidation. Yes If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION 26/3 € 594,7, 1306.8 . I hereby certify that the information con-Martin Lee Freeman Staff Production Analyst SF079938 Company Tanneco Tenneco Oil Company CONOCO May 13, 1980 113.72 AC Acreage Dedication: SW/4 Section 30 W/2 Section 31 reby certify that the well location on this plat was plotted from field ें हुए 3 Fred Bi Certificate No 3950 1"=20001 Scale:

TENNECO OIL COMPANY - 10 POINT PLAN

- 1. The geological name of the surface formation:
- 2 & 3. Estimated Formation Tops:

(See Attached Drilling Procedure)

4. Proposed Casing Program:

(See Attached Drilling Procedure)

- 5. Blowout Preventors:
 - Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC Log.
- 6. Mud Program: (Sufficient quantity of mud and weight material will be available on location).

(See Attached Drilling Procedure.

- 7. Auxiliary Equipment:
 - a. Kelly cock will be in use at all times.
 - b. Stabbing valve to fit drill pipe will be present on floor at all times.
 - c. Mud monitoring will be visual. No abnormal pressures are anticipated.
 - d. Floats at bits.
 - e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
- 8. Coring, Logging, and Testing Program:

(See Attached Drilling Procedure)

- 9. No abnormal pressures, temperatures or potential hazards such as H₂S are expected to be encountered.
- 10. The drilling of this well will start approximately (June 15) and continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

TERNECO OIL COMPANY

PROGNOSIS TO DRILL AND COMPLETE

DIVISION: Rocky Mountain DATE:

August 14, 1979

LEASE:

Jones Com

WELL NO.: 4

LOCATION:

1850 FSL, 1250 FWL

FIELD:

Basin Dakota

Sec.30 , T 29N, R 8W

San Juan County, New Mexico

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ESTIMATED ELEVATION: 5960' G.L.

ESTIMATED TOTAL DEPTH: 6977'

PROJECTED HORIZON:

Dakota

DRILLING, CASING AND CEMENT PROGRAM:

(1) MIRURT.

(2) Drill a 13 3/4" hole to $300\pm$. Run 9 5/8", 36#, K-55, ST&C casing to T.D. and cement to surface. Use 2% CaCl2 in cement.

(3) Cut off casing and weld on casing head. Pressure test weld to 1000 psi. NUBOP's and manifold. Pressure test casing, BOP's and manifold to 1000 psi for 30 minutes.

(4) Drill out shoe and reduce hole to 8 3/4". Drill 8 3/4" hole to 3000+. Run 7", 23#, K-55, ST&C casing to T.D. and cement to surface.

(5) Land casing in slips and cut off. Install drilling spool on casing head. Install rotating head, manifold and flare line. Pressure test blind rams, manifold and casing to 1000 psi for 15 minutes. Pick up drilling assembly and 3 1/2" drill pipe. Pressure test pipe rams to 1000 psi for 15 minutes.

Drill out of 7" with 6 1/4" bit using gas as circulating fluid. Drill a few feet of formation and then blow hole with gas until it is dusting. Drill to (6)

Log the hole dry as directed by the wellsite geological engineer and gauge the natural flow from the Dakota.

If productive, run 4 1/2" easing to T.D. as per casing design. Cement in one (8) stage. Bring cement to above Mesaverde zone.

If nonproductive, plug and abandon as per U.S.G.S. requirements.

ESTIMATED FORMATION TOPS:

ESTITUTED TO			Mancos	47601	(gas)
OJO Alamo Pictured Cliffs Cliffhouse Menefee Point Look Out	2418' 4070' 4190'	(gas)	Gallup Greenhorn Dakota "A"	6617'	-

DRILLING MUD PROGRAM:

0-300'

Spud Mud

300'-T.D.

7" casing-low solids fresh water mud. No W.L. control.

3000'+-T.D.

Gas

CORING AND TESTING PROGRAM:

No cores or tests. Gauge natural flow from the Dakota.

DEVIATION SURVEYS:

- 1. Survey surface hole at 100' intervals. Maximum allowable deviation at (1ºper 100'.)
- 2. FROM SURFACE TO TOTAL DEPTH DEVIATION SURVEYS MUST BE TAKEN EVERY 500' OR EACH TRIP WHICHEVER IS FIRST. This may entail running the TOTCO on wireline. Record each survey on the AACDC Drilling Report Sheet. Maximum allowable change in deviation is 10 per 100'.

SAMPLES:

As directed by wellsite geological engineer.

WELL SURVEYS:

GR/FDC/CNL caliper from T.D. to base of Mesaverde. GR/SP/SN induction from T.D. to surface casing.

BOP: From 300' to T.D. as per U.S.G.S. requirements.

PREVENTORS MUST BE CHECKED FOR OPERATION EVERY 24 HOURS, AND THE CHECK MUST BE RE-CORDED ON THE AAODC DRILLING REPORT SHEET.

REPORTS

Drilling reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud costs, plus any other pertinent information; will be called into Tenneco Oil Company, Denver, Colorado between 7:30 A.M. and 8:00 A.M.

- 303-758-7130 (offfice) Don Barnes
 303-758-7287 Don Barnes private line Monday-Friday (before 7:45 A.M.)
- 2. 303-936-0704 (home) Don Barnes weekends and holidays
- 3. 303-424-1269 (home) John Owen if Don Barnes not available

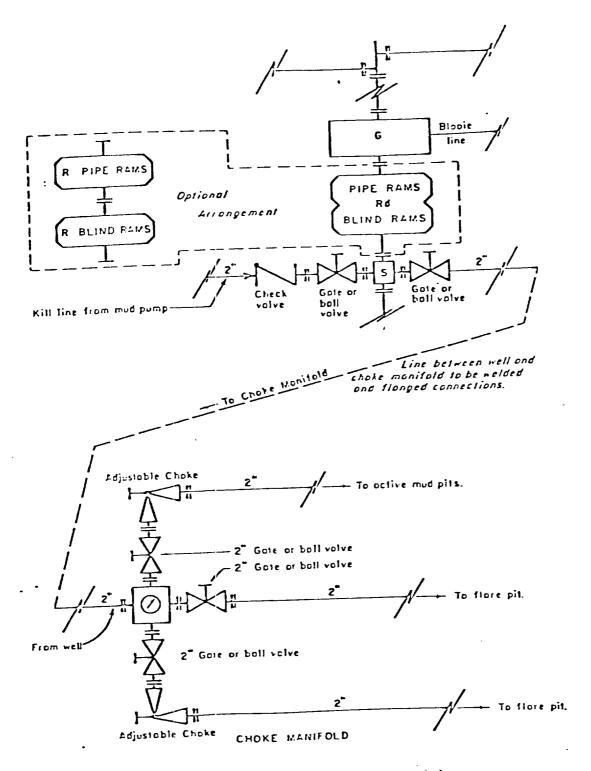
The yellow sheet of the IADC Report to be filled out completely, the original copy of the drilling time recorder, and copies of any invoices from this well signed and received for Tenneco Oil Company will be mailed daily to:

TENNECO OIL COMPANY
PENTHOUSE
720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

ATTENTION: DRILLING DEPARTMENT

In case of an emergency, notify the following:

- 1. Mr. Don Barnes, Division Drilling Engineer 303-936-0704.
- 2. Mr. John Owen, Project Drilling Engineer 303-424-1269.
- 3. Mr. Mike Lacey, Division Production Manager 303-979-0509.



All equipment to be 3,000 psi working pressure except as noted.

- Double ram type preventer with two sets of roms.
- Single rom type preventer with one set of roms.
- Drilling spool with side cullet connections for choke and kill lines.
- Rotating head 150 psi working pressure minimum

ARRANGEMENT C

TENNECO OIL COMPANY ROCKY MOUNTAIN DIVISION REQUIRED MINIMUM BLOWOUT PREVENTER AN CHOKE MANIFOLD EVI J. MAGILL . 10-26-79

- Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during the duration of this project.
- Planned Access Roads Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed twenty feet (20') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
- 3. Location of Existing Wells Please refer to Map No. 2.
- 4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines Please refer to Maps No. 1 and No. 2. Map No. 2 shows the existing roads and new proposed access roads. All known production facilities are shown on these two maps.
- Location and Type of Water Supply Water for the proposed project will be obtained from a private source.
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.
- 7. Methods of Handling Waste Materials All garbage and trash materials will be put into a burn pit shown on the attached Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at lease three feet (3'). A latrine, the location of which is also shown on Plat No. 1. will be provided for human waste. If large amounts of liquids are J left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainage; all earthen pits will be so constructed as to prevent leakage from occurring.

- B. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted as designated by the responsible government agency.
- 11. Other Information The proposed site is located above Canyon Largo on Manzanares Mesa. The topography is broken by erosional gullies. The soil is rocky, lomy sand supporting Pinon, juniper, brush and native grasses.
- 12. Operator's Representative See drilling prognosis.
- 13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements mad 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 Tenneco Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

L. Freeman

Staff Production Analyst

TENNECO OIL COMPANY

CALCULATION SHEET

