C...

SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

Form approved, Budget Burenu No. 42-R1425.

1917 74174

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		•	OF THE IN		UR				E DESIGNATION	AND SERIAL	Nó.
			ICAL SURVE		·		-		078487-A	OF TRIBE N	N. F
APPLICATION	FOR PERM	AIT TO	DRILL, D	EEPE	N, OR P	LUG B	ACK	U. 1F 1A	.DIA, ALLOTTEE		13172
B. TIPE OF WORK DRII b. TIPE OF WELL	L 🖾		DEEPEN [PL	UG BAC	:к 🗆 📑	7. UNIT	AGREEMENT N	AME	_
	S XX OTI	TER		SIN	CLE	MULTIPI ZONE		S. FARM	OR LEASE NAM	I E	
. NAME OF OPERATOR									ones "Com	11	
Tenneco Oil (Company							9. WEL	L NO.		
720 S. Colora	ado Blyd	Denvei	r. CO 80	222]-	10. fiei	H LD AND POOL, C	R WILDCAT	
LOCATION OF WELL (Re	port location clea	rly and in	accordance with		ate requireme	ents.*)		Ва	sin Dakot	a [:]	
At surface							: [11. SEC	T., T., M., OR I	BLK.	
 At proposed prod. zone 											
4. DISTANCE IN MILES A	1750 FNL 16	10 FWL	TO TOURN OR DOST	OFFICE					1, T29N,		
										N.M.	
6.5 miles eas D. DISTANCE FROM PROPUS	SED.	ST OT E	Blanco N.M	16. NO.	OF ACRES IN	LEASE	17. NO. OF		ASSIGNED	<u> N. M.</u>	
PROPERTY OR LEASE LI	NE, FT.		ļ	58	1.09		37	is well	. ·	-	
(Also to nearest drig. S. DISTANCE FROM PROPO	SED LOCATION*				POSED DEPTH		20. ROTAR	TARY OR CABLE TOOLS			
TO NEAREST WELL, DR OR APPLIED FOR, ON THE	S LEASE, FT.			69	77		Ro	tary			
1. ELEVATIONS (Show whe 6002 GR	ther DF, RT, GR,	etc.)			5		·	ŀ	ASAP	RK WILL ST	ART*
3.		PR	OPOSED CASIN	G AND	CEMENTIN	G PROGRA	M ·		v.*	3.	
SIZE OF HOLE	SIZE OF CASI	NG	WEIGHT PER FO	от	SETTING	DEPTH		QUA	NTITY OF CEME	T.	
13 3/4"	\$12E OF CASE 9 5/8"	<u> </u> -	36#, K-55		300'	<u>+</u>		ate	to surfac	e	
		<u> </u> -				± ±	Circul	ate .ate		e e	nge
13 3/4" 8 3/4" 6 ¹ / ₄ "	9 5/8" 7" 4½" ormal tempe	new new new	36#, K-55 23#, K-55 10.5#, 11	.6#	300' 3000' 6977'	± ±	Circul	ate ate	to surfac to surfac through 1	e e	nge
13 3/4" 8 3/4" 6¼" No abn	9 5/8" 7" 4½" ormal tempe	new new new	36#, K-55 23#, K-55 10.5#, 11	.6#	300' 3000' 6977'	± ±	Circul	ate ate	to surfac to surfac through 1	e e	nge
13 3/4" 8 3/4" 6¼" No abn	9 5/8" 7" 4½" ormal tempe EDICATED PROPOSED PROGRA	new new new erature	36#, K-55 23#, K-55 10.5#, 11 es, pressu oposal is to deep	res o	300' 3000' 6977' or geolog	± ± gic haze	Circul Circul ards are	ate ate exp	to surfactors surfacto	e e iner ha	uctiv
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*See Instructions On Reverse Side

MMOCO

de tan

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

		All distances musi	be from the outer boundaries		Well No.
Operator			Jones COM	I	4
	IL COMPANY	1		County	
Unit Letter	Section	Township	Range	1	
F	31 -	29N	8W 3	San Juan	
Actual Footage Lo	N.		and 1610 fe	et from the West	line
1750		orth line	ond LOLU fe		edicated Acreage:
Ground Level Elev			BASINO		374.81 Acres
6002		tota			
2. If more interest	than one lease is and royalty).	s dedicated to the		dentify the ownership th	ereof (both as to working all owners been consoli-
dated by ⊠ Yes	communitization, No If	unitization, force-p answer is "yes," ty	pe of consolidation	Community	ation
SF.	-079938	ned the well unt	il all interests have been	consolidated (by comm	munitization, unitization. approved by the Commis-
	noco - 1/2	3			CERTIFICATION
	1610	Sec.	RECEIVE DEC 26	Name Name M. Position Staff Company Tennec	L. Freeman Production Analyst o er +8, 1979
	SF-078487- 261.09 TOC - ½ Conoco - ½	1	TI CO B 1979	shown on notes of under my is true of knowledg Date Survey Registeren	certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my e and belief.
		<u></u>	·	Gertificate 3950	2 MERR. IN.

TEHNECO OIL COMPANY

PROGNOSIS TO DRILL AND COMPLETE

DIVISION: Rocky Mountain

DATE: August 14, 1979

LEASE:

--Jones - "Com"

WELL NO.: 4

LOCATION:

1750' FNL, 1610 FWL

FIELD: E

Easin Dakota

Sec. 31, T 29N, R 8W

San Juan County, New Mexico

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÷. 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.
- (6) Drill out of 7" with 5 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 T.D.
- (7) Log the hole dry as directed by the wellsite geological engineer and gauge the natural flow from the Dakota.
- (8) If productive, run 4 1/2" casing to T.D. as per casing design. Cement in one stage. Bring cement to above Mesaverde zone.
- (9) If nonproductive, plug and abandon as per U.S.G.S. requirements.

ESTIMATED FORMATION TOPS: Surface formation - San Jose

			M	4760'	(mag)
OJO Alamo	1407'	(water)	Mancos	4700	(gas)
Pictured Cliffs	2418'	(gas)	Gallup		
Cliffhouse	40701	(gas)	Greenhorn	6617'	
		• • •	Dakota "A"	6819'	(gas)
Menefee		(gas)	54.10		
Point Look Out	4635'	(gas)			

DRILLING FOR FROMERIE.

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
- 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 AAODC 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 (office) 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

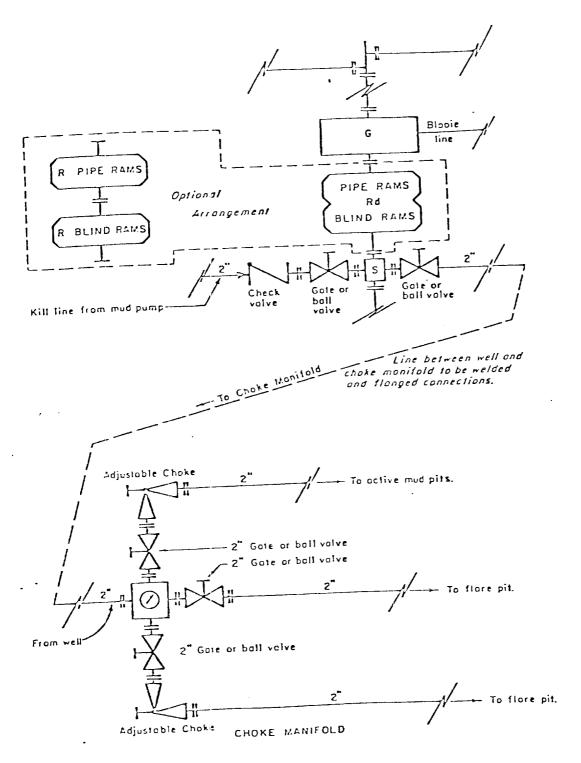
The yellow sheet of the IADC Report to be filled out completely, the original copy of the drilling time recorder, and copies of any invoices from this well signed and received for Tenneco Oil Company will be mailed daily to:

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.

- Rd Double ram type preventer with two sets of rams.
- Single ram type preventer with one set of rams.
- Drilling spool with side outlet 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 J. MAGILL 10-26-79

- 1. Existing Road 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.
- 2. 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.
- 5. 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 1 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.

- 8. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- 10. Plans for Restoration of the Surface After completion of the proposed project 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 adjacent to an existing location. The soil is sandy loam. The principal vegetation is pinon, juniper and various native grasses. No road construction will be done.
- 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 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

LF/gh

341 - 7/61

TENNECO OIL COMPANY

CALCULATION SHEET

EXHIBIT

OF DRILLING WELL SITE LAYOUT Jones Com 4

TION 1750 FAIC 1610 FWL SEC 31 T29N R8W DATE 12/18/79

