SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

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DEPARTMENT	OF	THE	INTERIOR	Ì

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5. LK	ASE	DESI	GNA.	TION	AND	SE	RIAL	NO.
SF	07	708	35					
£	TNO							

	DEPARTMEN	II OF THE I	MICKI	UK			5. LEASE DESIGNATION	ON AND NER	IAL NO
						SF 077085			
APPLICATIO	N FOR PERMIT	TO DRILL, I	DEEPEN	V. OR	PLUG E	BACK	6. IF INDIAN, ALLOT	TEE OR TRIBI	ENAME
1a. TYPE OF WORK	RILL 🛚	DEEPEN [UG BA		7. UNIT AGREEMENT	NAME	
WELL	GAS OTHER		81NG ZONE		MULTIP ZONE	LE	8. FARM OR LEASE I	VAME	 .
2. NAME OF OPERATOR TENNECO OIL COMPANY							Omler "A" 9. WELL NO.		
3. ADDRESS OF OPERATOR 720 S.	Colorado Blvd.,	Denver, Col	orado	80222			5-E 10. FINLD AND POOL	, OR WILDC.	AT
At surface	Report location clearly an		h any Sta	te requirem	ents.*)		Basin	Det	ya -
1750 At proposed prod. zo	•	L				_	Sec. 25,	AREA	k10W
6.5 mil	es South Southe		o, New				12. COUNTY OR PARTS	1	M.
15. DISTANCE FROM PROI LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr	ST		16. No. 0	of acres in	1 LEASE		OF ACRES ASSIGNED HIS WELL 320	.00	
18. DISTANCE FROM PRO TO NEAREST WELL, OR APPLIED FOR, ON TO	DRILLING, COMPLETED,			0SED DEPTH 470.0	ľ	20. ROTA	RY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show wi	hether DF, RT, GR, etc.)	•					ASAP	WORK WILL	START*
23.		PROPOSED CASIN	G AND C	EMENTIN	G PROGRA	M			
SIZE OF HOLE	size of casing 8 5/8" new	24# K-55		SETTING	DEPTH	Circu	QUANTITY OF CEM		
7 7/8"	41211 New	10.5# K-55	5 6	470'	<u>+</u>	Circu	late to surfa	ce in 2	stages
	oductive, plug al temperatures							•	
3. The gas i	s dedicated.		A. 2008).			_		*

3.	The gas is dedicated.
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	DECEIVE \
	19
	U. S. GOU JOHN N. M.
	U. S. GEVINGTON, M.



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.

8IGNED M. Lee Freeman	TITLE Staff Production Analyst	DATE 12-7-79
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
APPROVED BY	TITLE	DATE

*See Instructions On Reverse Side

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

Р. О. ВОХ 2088 SANTA FE, NEW MEXICO 8750 i

Form C-102 Revised 10-1-78

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

Operator		<u> </u>	Leas	ве			Well No.	
TENNECO OIL COMPANY				OMLER "A"			5-E	
Unit Letter	Letter Section Township			Range County				
E	25	23N		10W	San	Juan		
Actual Footage Loc		T	ΩΛ	20		T.To a +	/	
1750	Teet Hom the	North line o	 	166	t from the	West	line	
Ground Level Ellev. 5802	Producing Fo		Pool	Basin Dakota		_	Dedicated Acreage: 320.00 — Acres	
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, unitization, force-pooling. etc? Yes No If answer is "yes," type of consolidation								
this form i No allowat	f necessary.) ble will be assign	ned to the well until	all inte	rests have been c	onsolidate	ed (by comr	nunitization, unitization, approved by the Commis-	
. 890.	USA SF- TOC-½ Conoco- 320.00	1/2	— — -			tained her best of my Name TENNEC	ertify that the information concein is true and complete to the knowledge and belief. 0 OIL COMPANY oduction Analyst	
		25				shown on a notes of a under my s is true as knowledge Date Surveys Septe	mber 27, 1979 Professional Engineer	
			7			Centificate N	XICO	

TENNECO OIL COMPANY

PROGNOSIS TO DRILL AND COMPLETE

DIVISION: Rocky Mountain DATE: September 13, 1979

LEASE: Omler "A" WELL NO.: 5-E

LOCATION: 1750' FNL, 890' FWL FIELD: Basin Dakota

Sec. 25, T 28N, R 10W

San Juan County, New Mexico

ESTIMATED ELEVATION: 5810'

ESTIMATED TOTAL DEPTH: 6470'

PROJECTED HORIZON: Dakota

DRILLING, CASING AND CEMENT PROGRAM:

(1) MIRURT.

- (2) Drill 12 1/4" hole to ± 300'. Run 8 5/8" O.D. 24# K-55 ST&C casing to 300'. Cement with sufficient volume to circulate cement to surface.
- (3) WOC minimum of 12 hours. Nipple up BOE. Test BOP, blind and pipe rams, casing and manifold to 600 psi prior to drilling out for 1/2 hour.
- (4) Drill 7 7/8" hole to T.D.
- (5) Run open hole logs as required.
- (6) Run 4 1/2", 10.5#, K-55 ST&C casing. Cement in 2 stages with stage collar + 4500'.
- (7) Cement first stage with sufficient volume to raise cement to stage tool. Circulate and WOC 4 hours between stages. Cement 2nd stage with sufficient volume to circulate to surface.
- (8) Set casing slips, cut off 4 1/2" casing. Nipple up well head.
- (9) RD. MORT.

Pictured Cliffs 1870' Gas Mancos 4500'	
Lewis 1950' Gallup 5360'	Oil/Gas
Cliffhouse 3430' Gas Greenhorn 6150'	
Menefee 3600' Gas Dakota 6270'	Gos
Point Lookout 4200' Gas TD 6470'	

DRILLING MUD PROGRAM:

0 - 250' Native Solids. V/C WL. Use sufficient Viscosity to clean hole

and run casing.

250' - TD Low Solids. 15 cc WL. Use sufficient viscosity to clean hole. Log

and run casing.

CORING AND TESTING PROGRAM:

NONE

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 1° per 100'.

SAMPLES:

Surface to 6100' 30' samples 6100' to T.D. 10' samples

WELL SURVEYS:

Majority of logs will be cased hole. GR-Neutron, or TDT. A few will be open hole GR-Induction.

BOP: 10 " 900 Series Hydraulic operated with complete shut off and pipe rams.

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. 303-795-0221 (home) John Owen if Don Barnes not available -

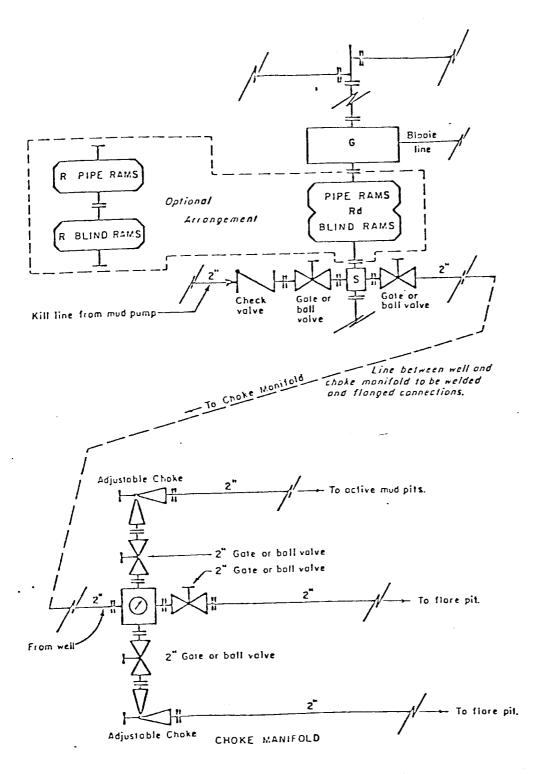
The yellow sheet of the IADC Report to be filled out completely, the original copy of the drilling time recorder, and copies of any invoices from this well signed and received for Tenneco Oil Company will be mailed daily to:

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 303-795-0221
- 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.
- R Single ram type preventer with one set of rams.
- S Drilling spool with side outlet connections for choke and kill lines.
- G 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 E

- 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 I 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.
- The proposed site is located in an area of broken topograph and many small erosional gullies. The soil os sandy clay. The drainage is to the Northwest. The access road will be approximately 1300' in length and should not exceed 5% in grade.
- 12. Operator's Representative See drilling prognosis.
- 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 0:1 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

