SUBMIT IN TRIPLICATE*

(Other instructions on

Form approved, Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR reverse side)

30-045-24134

GEOLO	SF 065557							
APPLICATION FOR PERMIT	6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
1a. TYPE OF WORK DRILL X	DEEPEN [PLUG BA		7. UNIT AGREEMENT NAME	······································		
OIL CAS WELL OTHER	SINGLE MULTIPLE							
2. NAME OF OPERATOR	Cornell "E"							
TENNECO OIL COMPANY	9. WELL NO.							
3. ADDRESS OF OPERATOR	1-E -	-						
720 S. Colorado Blvd., Denv	10. FIELD AND POOL, OR WILDCAT							
4. LOCATION OF WELL (Report location clearly and At surface		h any S	tate requirements.*)		Basin Dakota —			
1750 FNL 1770 FW	'L			:	11. SEC., T., R., M., OR BLK.			
At proposed prod. zone		٠			AND SURVEY OR AREA	1.01.4		
					Sec. 12, T29N, R	1 2W		
3.5 miles North NE of Bloom	Field Nov	T OFFICE	•		12. COUNTY OR PARISH 13. S	TATE		
	illela, New	nexi	.0		San Juan N.	м.		
15. DISTANCE FROM PROPUSED® LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any)	PROPERTY OR LEASE LINE, FT.			17. NO. (of acres assigned this well W/320.00			
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		1 ((00			ARY OR CABLE TOOLS			
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5780 GR					22. APPROX. DATE WORK WILL ASAP	L START*		
23.	PROPOSED CASIN	G AND	CEMENTING PROGR	AM	_ •			
SIZE OF HOLE SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH	1	QUANTITY OF CEMENT			
12½11 8 5/811 New	24# K-55		300 ±	Circu				
7 7/8" 4½" New	10.5# K-5	5	6600 ±		<u>Circulate to surface</u> Circulate to surface in 2 stag			
 If nonproductive, plug and No Abnormal temperatures, 	abandon pe	r USC	GS/BLM require	ments.		<u> </u>		
	•		,	-				
3. The gas is dedicated.					(A)			

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.

TITLE Staff Production Analyst (This space for Federal or State office use) PERMIT NO. _ APPROVAL DATE . APPROVED BY TITLE . DATE _ CONDITIONS OF APPROVAL, IF ANY:

oh Frank

*See Instructions On Reverse Side

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

P. O. BOX 2088

ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the cuter houndaries of the Section

		VII distances what the	Trom in	Cuter houndaries	ci the Section	CMS.	
TENNECO OIL COMPANY		Lease	ORNELL "E"			Well No. 1-E	
Unit Letter	Section Township		. F	Ronge County			
F	12	29N		12W	Sa	in Juan	
Actual Footage Local		orth line on	nd	1770	feet from the	West	line
Ground Level Elev. 5780	Producing Form Dakota	action	Pool Bas	sin 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? X Yes No If answer is "yes," type of consolidation Communitization							
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 Commission.							
SF-065557 T0C-25.094% AMAX-21.331 Producing R 53.575%	% I 5	R	DEC S. GEO!	OGICAL SULLING		Name M. Lee Position Staff Pl	CERTIFICATION certify that the information con- rein is true and complete to the y knowledge and belief. Freeman = roduction Analyst OIL COMPANY
SF-065557-A TOC-78.669% AMAX-21.331 80.00 Acres	% Royalty-	d 100%				shown on nates of under my is true a knowledge	nder 36, 1979 rolessional Ebaument surveyor Terror Ir
0 330 840	0 1320 1680 1980	2310 2640 20	00 18	00 10-	*20	3950	JR.
		2040 20	00 15	00 1000	800 (, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

TENNECO OIL COMPANY

PROGNOSIS TO DRILL AND COMPLETE

DIVISION: Rocky Mountain DATE: September 13, 1979

LEASE: Cornell "E" WELL NO.: 1-E

LOCATION: 1750' FNL, 1770' FWL FIELD: Basin Dakota

Sec. 12, T 29N, R 12W

San Juan County, New Mexico

ESTIMATED ELEVATION: 5800'

ESTIMATED TOTAL DEPTH: 6600'

PROJECTED HORIZON: Dakota

DRILLING, CASING AND CEMENT PROGRAM:

(1) MIRURT.

- (2) Drill 12 1/4" hole to \pm 300'. Run 8 5/8" O.D. 24 \pm 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 + 4800'.
- (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.

ESTIMATED FORMATION TOPS:	Surface	- Nacimiento			
OJO	720'	Water			
Pictured Cliffs	1990'	Gas	Mancos	4720'	
Lewis	2190'		Gallup .	5610'	Oil/Gas
Cliffhouse	3580'	Gas	Greenhorn	6340'	
Menefee	3720'	Gas	Dakota	6450'	Gas
Point Lookout	4320	Gas	TD	6600'	

DRILLING MUD PROGRAM:

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

and run casing.

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

and run casing.

CORING AND TESTING PROGRAM:

NONE

DEVIATION SURVEYS:

- Survey surface hole at 100' intervals. Maximum allowable deviation at
- FROM SURFACE TO TOTAL DEPTH DEVIATION SURVEYS MUST BE TAKEN EVERY 500' OR EACH 2. 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 6300' 30' samples 10' samples

6300' to T.D.

WELL SURVEYS:

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

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

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

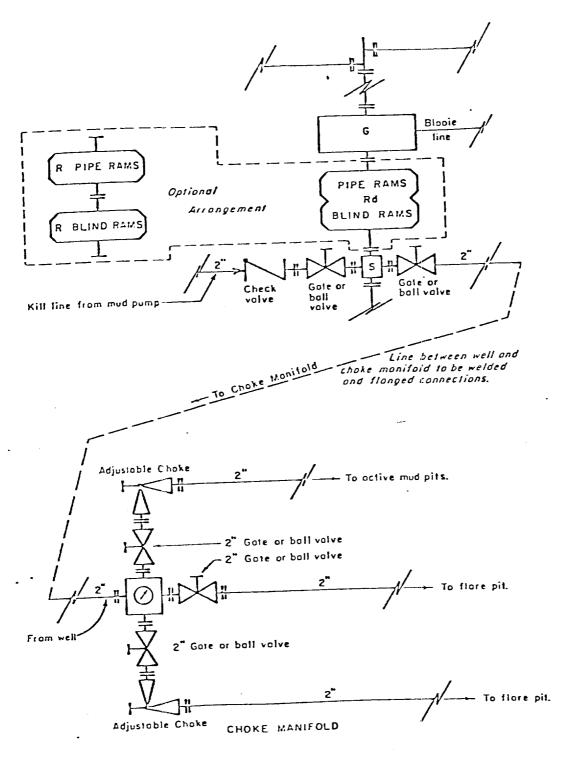
The yellow sheet of the IADC Report to be filled out completely, the original copy of the drilling time recorder, and copies of any invoices from this well signed and received for Tenneco Oil Company will be mailed daily to:

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

ATTENTION: DRILLING DEPARTMENT

In case of an emergency, notify the following:

- 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.

- Double ram type preventer with two sets of rams. Rđ
- Single ram type preventer with one set of rams.
- Drilling spool with side outlet connections for choke and kill lines. R S
- Rotating head 150 psi working pressure minimum G

ARRANGEMENT C

TENNECO OIL COMPANY . ROCKY MOUNTAIN DIVISION

REQUIRED MINIMUM BLOWOUT PREVENTER AN CHOKE MANIFOLD 10-26-79

J. MAGILL

EVI

- 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.
- 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.
- 11. Other Information The proposed site is located in an area of broken rolling hills with sandy loam soil. The principal vegetation is Pinon and Juniper. The drainage is to the South.
- 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 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. Preeman

Staff Production Analyst

TENNECO OIL, COMPANY

CALCULATION SHEET

MPANY	EXHIBIT
BJECT DRILLING WELL SITE LAYOUT CORNELLE" 1	£*
ICATION SEC 12 TAGN 212W	DATE 12-6-19
Adjacent to AN ExistiNG CO	CATION

