#### SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITE	: U :	51 A 11	-5
DEPARTMENT	OF	THE	<b>INTERIOR</b>

30 - 045-2408k.

5. LEASE DESIGNATION AND SEGIAL NO.

GEOLOGICAL SURVEY					SF 065557-A			
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
DRILL DEEPEN PLUG BACK				7. UNIT AGREEMENT NAME				
OIL GAS SINGLE MULTIPLE ZONE ZONE				8. FARM OR LEASE NAME				
2. NAME OF OPERATOR			<u>`</u>	2011		Cornell "D" -		
	IL COMPANY					9. WELL NO.		
3. ADDRESS OF OPERATOR						1 E		
720 S. Col	orado Blvd., De	enver, Colo	rado	80222		10. FIELD AND POOL, OR WILDCAT		
At surface	Report location clearly an		th any :	State requirements.*)		Basin Dakota		
	_	L 790 FEL				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zor	ne .		,			Sec. 12, T29N, R12W		
4. DISTANCE IN MILES	AND DIRECTION FROM NE.	AREST TOWN OR POS	T OFFIC	E*		12. COUNTY OR PARISH   13. STATE		
3.25 miles	N.W. of Bloomf	ield, New Me	exico			San Juan N.M.		
10. DISTANCE FROM PROP LOCATION TO NEARES	USED.			O. OF ACRES IN LEASE		F ACRES ASSIGNED		
PROPERTY OR LEASE I (Also to nearest dr.)	LINE, FT.		136	0.00	TO TH	20. ROTARY OR CABLE TOOLS ROTARY		
S. DISTANCE FROM PROI		-	19. га	OPOSED DEPTH	1			
OR APPLIED FOR, ON TH	IIS LEASE, FT.			6600				
1. elevations (Show wh						22. APPROX. DATE WORK WILL START* ASAP		
3.		PROPOSED CASI	NG ANI	CEMENTING PROGRA	AM			
	6170 00 01000	WEIGHT PER F	'00Т	SETTING DEPTH		QUANTITY OF CEMENT		
SIZE OF HOLE	SIZE OF CASING		300 ± Cir			culate to surface		
	8 5/8" New	24# K-55		300 ±	Circu	late to surface		
12‡" 7 7/8" . If non Prod	8 5/8" New 4½" New luctive, plug ar	10.5# K-5	per U	6600 ± SGS/BLM require	Circu ements.	late to surface in 2 sta		
12년 <sup>11</sup> 7 7/8 <sup>11</sup> . If non Prod . No abnormal	8 5/8" New  4½" New  luctive, plug and temperatures,	nd abandon pressures o	per U	SGS/BLM require her geologic ha	Circu ements.	late to surface in 2 sta		
7 7/8"  If non Prod  No abnormal  The gas is	8 5/8" New  4½" New  luctive, plug ar  temperatures,  dedicated.	nd abandon pressures of U.S.G.S.	per U or ot NAL W RATIF	SGS/BLM require her geologic ha	Circu	are expected:		
7 7/8"  If non Prod  No abnormal  The gas is	8 5/8" New  4½" New  luctive, plug ar  temperatures,  dedicated.	nd abandon pressures of U.S.G.S.	per U or ot NAL W RATIF	SGS/BLM require her geologic ha	Circu	are expected.  OF COMMON STREET STORY.		
12417 7 7/811  . If non Prod . No abnormal . The gas is the gas is to reventer program, if any	8 5/8" New  4 1 New  luctive, plug ar  temperatures,  dedicated.	nd abandon pressures of U.S.G.S.	NAL W RATIF	SGS/BLM required her geologic has been geologic	Circu	are expected.  ON THE STORY.  Description of the proposed new productive and true vertical depths. Give blowout		
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SBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

\*See Instructions On Reverse Side

# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT SANTA FE. NEW MEXICO 87501

## OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107 Revised 10-1-78

All distances must be from the cuter houndaries of the Section

		All distances mu	t re from ≀n	e cuter hounderfy	of the Section.		
Operator			Lea	5e			Well No.
TENNECO OI	L_COMPANY		l c	ORNELL "D"			1-E
Unit Letter	Section	Township		Range	County		
A	12	29N		12W	Sar	n Juan	
Actual Footage Loc	ation of Well:	<del></del>	····	<u> </u>			<u></u>
830	feet from the	North 1	ne condi 7	90		East	
Ground Level Elev.	Producing For		Poo	<del></del>	feet from the		line Dedicated Acreage:
5784	Dakot			asin Dakota	•		
		<del></del>	<del></del>				320.00 Acres
1. Outline th	e acreage dedica	ted to the subj	ect well b	y colored penc	il or hachure	marks on the	e plat below.
							ereof (both as to working
interest an	id royalty).				•	•	
3. If more tha	n one lease of d	ifferent ownersl	nip is dedi	cated to the we	ell, have the i	interests of	all owners been consoli-
dated by c	ommunitization, u	nitization, force	-pooling.	etc?			THE CONTROL DOOR COMBOILS
•		ŕ				•	•
X Yes	☐ No If an	swer is "yes;"	type of co	nsolidationC	ommunitiza	ation	<u> </u>
		•	,,				
If answer	is "no," list the	owners and trac	t descripti	ons which have	e actually be	en consolida	ted. (Use reverse side of
this form it	f necessary.)	•				on consorida	ted. (Osc levelse side of
	•	ad to the well w			1.1.	1.0	
formal1	ile will be assign	ou to the well u	itii ali inte	rests have bee	n consolidat	ed (by comm	nunitization, unitization,
	ing, or otherwise)	or until a non-s	tandard un	it, eliminating	such interest	s, has been	approved by the Commis-
sion.							
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#### TENNECO OIL COMPANY

# PROGNOSIS TO DRILL AND COMPLETE

DIVISION: Rocky Mountain DATE: September 13, 1979

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

LOCATION: 830' FNL, 790' FEL FIELD: Basin Dakota

Sec. 12, T 29N, R 12W

San Juan County, New Mexico

ESTIMATED ELEVATION: 5790'

ESTIMATED TOTAL DEPTH: 6600'

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 + 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'	Gas/Oil
Cliffhouse	3530'	Gas	Greenhorn	6340'	
Menefee	3720'	Gas	Dakota	6450'	Gas
Point Lookout	4320'	Gas	TD	6600'	

# 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 6300' 30' samples 6300' 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

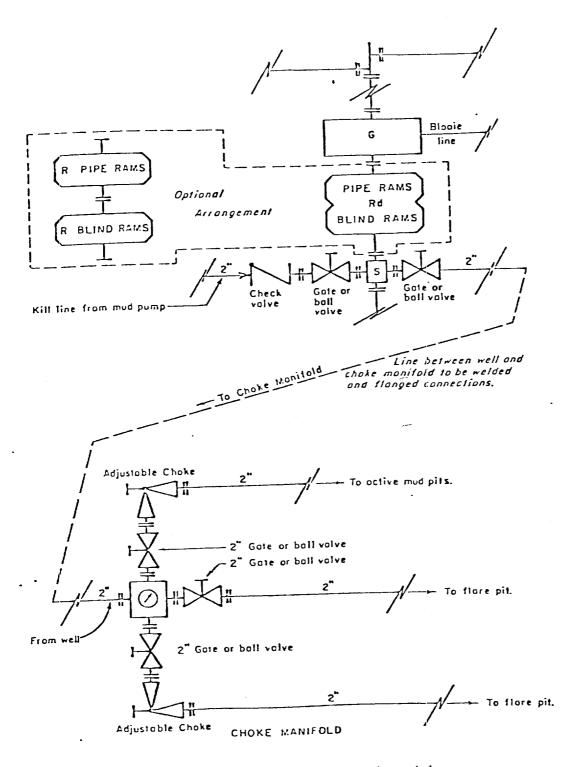
The yellow sheet of the IADC Report to be filled out completely, the original copy of the drilling time recorder, and copies of any invoices from this well signed and received for Tenneco Oil Company will be mailed daily to:

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

ATTENTION: DRILLING DEPARTMENT

### In case of an emergency, notify the following:

- 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 roms. Rd
- Single rom type preventer with one set of roms.
- Drilling spool with side outlet connections for choke and kill lines. S
- Rotating head 150 psi working pressure minimum

# 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.
- 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 ! 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 location will be turned with the pits upslope to avoid contact with flare and adjacent production equipment. The soil is sandy clay, with Pinon, Juniper the principal vegetation.
- 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

