SUBMIT IN TEJPLICATE.

(Other instructions on

Form approved. Budget Bureau No. 42-R1425.

HNITED STATES

		NT OF THE	_	IOD	TEACHNE N	oue)	30-045-34501
				ION			5. LEASE DESIGNATION AND SERIAL NO.
	GEOL	OGICAL SURV	'EY				NM 010989
APPLICATIO	N FOR PERMIT	TO DRILL,	DEEPE	N. OR P	LUG E	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
la. TYPE OF WORK							
DF	RILL 🛛	DEEPEN		PLU	JG BA	CK 🗌	7. UNIT AGREEMENT NAME
b. Tipe of well	0AB []		EIN	CLE []	MULTIF		·
WELL	WELL X OTHER	·	20)		ZONE		S. FARM OR LEASE NAME
2. NAME OF OPERATOR	613 6						Fields /
	Oil Company			<del></del>			9. WELL NO.
3. ADDRESS OF OPERATOR		D		• •			3
-	Colorado Blvd.,	•					10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL () At surface	Report location clearly a	nd in accordance wi	th any St	ale requiremer	ots.•)	. :	· Basin Dakota·
Λ	10701 7077	10701 PPT					11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
H At proposed prod. 20	ne 1270' FNL,						
	Unit Lette	71					Sec.28, T32N,R11W
	AND DIRECTION FROM N		T OFFICE				12. COUNTY OF PARISH   13. STATE
	les North of Azi	lec					San Juan New Mexico
15. DISTANCE FROM PROF LOCATION TO NEARES			16. NO.	OF ACEES IN	LEASE	17. NO. 0	F ACRES ASSIGNED
PROPERTY OR LEASE (Also to dearest dr.	LINE, FT. lg. unit line, if any)		] ;	2480			. E/ 320.00
18. DISTANCE FROM PRO	POSED LOCATION®		19. PRO	POSED DEPTH		20. ROTAL	RY OR CABLE TOOLS
OR APPLIED FOR, ON TH				7780		. 1	Rotary
21. ELEVATIONS (Show w)	bether DF, RT, GR, etc.)						22. AFPHOX. DATE WORE WILL START
6339	GR						ASAP
23.		PROPOSED CASH	NG AND	CEMENTING	PROGRA	LM :	* * * * * * * * * * * * * * * * * * *
EIZE OF HOLE	· SIZE OF CASING	WEIGHT PER P	007	SETTING DE	P <b>TH</b>		QUANTITY OF CEMENT
124"	9 5/8" new	36#, K-55	5	250 <b>'</b>		Circul	ate to surface
8 3/4"	7" new	23#, K-55	5	3600 <b>'</b>		Circul	ate to surface
61/4"	4½" new	10.5#, 11	.6#	7500		Circul	ate through liner hanger
SEE ATTACHEI	)	1	. 1		·		
No abno	ormal temperatur	res, pressure	e or g	eologic h	nazards	s are ex	xpected.
•							

THE GAS IS DEDICATED

RECEIVED MAR 1 4 1980

U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.



This action is subject to administrative. appeal pursuant to 30 CFR 2901

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.

SIGNED M. L. Freeman	TITLE Staff Product	ion Analysis DATE 3-7-80
(This space for Federal DEPOPER PERMIT NO. AS AMENDED	APPROVAL DATE	
CONDITIONS OF APPROVING AMES F. SIMS / DISTRICT ENGINEER	TITLE	DATE

#### OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY ALD MINERALS DEFARIMENT

#### P. O. UOX 2088 SANTA FL, NEW MEXICO 87501

Fort. C-102 kevised 10-1-7E

All distances must be from the cuter boundaries of the Section

Cherotot				Well No.			
TENNECO OIL		FIELI	DS .			3	
Unit Letter Section Townshi	P	Rang	e	County			
28 32	2N		LlW	San	Juan		
Actual Footage Location of Well:							
1270 feet from the North	line and	1270	) (	et from the	East	line	
Ground Level Elev. Producing Formation		P∞I				oled Acreoge:	
6339 Dakota		F	Basin Dako	ta		320.00	
	• •					Acres	
<ol> <li>Outline the acreage dedicated to the second of the second o</li></ol>							
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 o	f consoli	dation	<del></del>			
If answer is "no," list the owners a	····						
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.  5065.5							
1	VIAIAIA				CER.	TIFICATION	
PECENIO  MAD  MEDICAL STRAFT  FALMINGTON, 15 15	NM - 01	0989	0 12 12 12 12 12 12 12 12 12 12 12 12 12	70'	I hereby certify: toined herein is best of my know!  Name  M. Lee Free: Festilon	that the information con- true and complete to the ledge and belief.	
l I Sec.	TOC, Con	oco -      	each 2	" " "	Company Tenneco Oil Date March 7, 19	Company	
	28				shown on this pla notes of actual : under my supervi	that the well location at was plotted from field surveys made by me or sion, and that the same ect to the best of my lief.	
5.0					Certificate No.	Dool Engineer	
0 830 660 90 1220 1650 1980 2310 2	840 2000	1500	1000 5	c <b>o</b> o	3950	R KELLY.	

# TENNECO OIL COMPANY ROCKY MOUNTAIN DIVISION PENTHOUSE, 720 SOUTH COLORADO BOULEVARD DENVER, COLORADO 80222

# DRILLING PROGRAM

DATE: January 30, 1980			
LEASE: Fields		WELL NO	.: 3
LOCATION: 1270' FNL, 1270' FEL Sec. 28, T 32N, R 11W San Juan County, New Mexico		FIELD:	Basin Dakota
ELEVATION: 6380' Est. G.R.			
TOTAL DEPTH: 7780'			
PROJECTED HORIZON: Dakota			
·			
SUBMITTED BY:	DATE:		
APPROVED BY: Alamo	DATE:	<u>//3//</u> .	f O
DSB/ms		•	
CC: Administration DSB Well File			

Field File

# ESTIMATED FORMATION TOPS

Ojo (Water)	1950'
Pictured Cliffs (Gas)	3040'
Lewis	3130'
Cliffhouse (Gas)	4680'
Menefee (Gas)	4830'
Point Lookout (Gas)	5280'
Mancos	5430'
Gallup (Oil/Gas)	6880'
Greenhorn	7410'
Dakota (Gas)	7530'
T.D.	7780'

SURFACE FORMATION: San Jose, Sandstone and shale.

#### DRILLING, CASING, AND CEMENT PROGRAM

- 1. MIRURT.
- 2. Drill 12 1/4" hole to + 250'.
- 3. Run 9 5/8", 36#, K-55, ST&C casing to  $\pm$  250'. Cement with sufficient volume to circulate cement to surface.
- 4. WOC a minimum of 12 hours. Ripple up BOE and test to 1000 psi for thirty minutes.
- 5. Reduce hole to 8 3/4". Drill to  $\pm$  3600'. Run 7", 23#, K-55, ST&C casing to  $\pm$  3600'. Cement with sufficient volume to circulate cement to surface.
- 6. NU BOE to gas drill.
- 7. Drill a 6 1/4" hole with gas to 7500' ±.
- 8. Log as directed by the Wellsite Geological Engineer.
- 9. If productive, run 4 1/2" (3580') 10.5#/(800') 11.6#, K-55, ST&C liner. Cement with sufficient volume to circulate cement to top of liner.
- 10. If non-productive, plug and abandon as per U.S.G.S. requirements.
- 11. MORT.

#### CASING PROGRAM

Surface:

250', 9 5/8", 36#, K-55, ST&C casing.

Intermediate:

3600′, 7″, 23♯, K-55, ST&C casing.

Liner:

3580', 10.5#, K-55, ST&C casing. 800', 11.6#, K-55, ST&C casing.

#### בהאכטאד טעוו

0-250'

Native solids. Have sufficient viscosity to clean hole and

run casing.

250'-3600'

Benex and water. Have sufficient viscosity to run casing.

3600'-T.D.

#### **EVALUATION**

# Cores and DST's:

No cores or DST's are anticipated.

## Deviation Surveys:

- 1. Survey surface ever 100'. Maximum allowable deviation at surface is 10.
- From surface to T.D., surveys must be taken every 500' or each trip, whichever is first. This may entail running the TOTCO on wireline. Record surveys on IADC Drilling Report. Maximum allowable change is 10 per 100'.

Samples: None.

### Logs:

GR/IND: T.D. to Intermediate.

GR/FDC/CAL: T.D. to base Mesaverde

# BLOWOUT EQUIPMENT

10" series-900 double ram hydraulic operated with closing unit and 40 gallon accumulator.

10" series-900 rotating head with 150 psi working pressure minimum, and 7" bloose line.

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.

- 1. 303-758-7130 (Office) Don Barnes 303-758-7287 (Office) Don Barnes' private line, Monday-Friday (before 7:45 a.m.) 303-936-0704 (Home) Don Barnes, weekends and holidays.
- 2. George Ramsey (Home) 303-771-5154.
- 3. John Owen (Home) 303-795-0221.

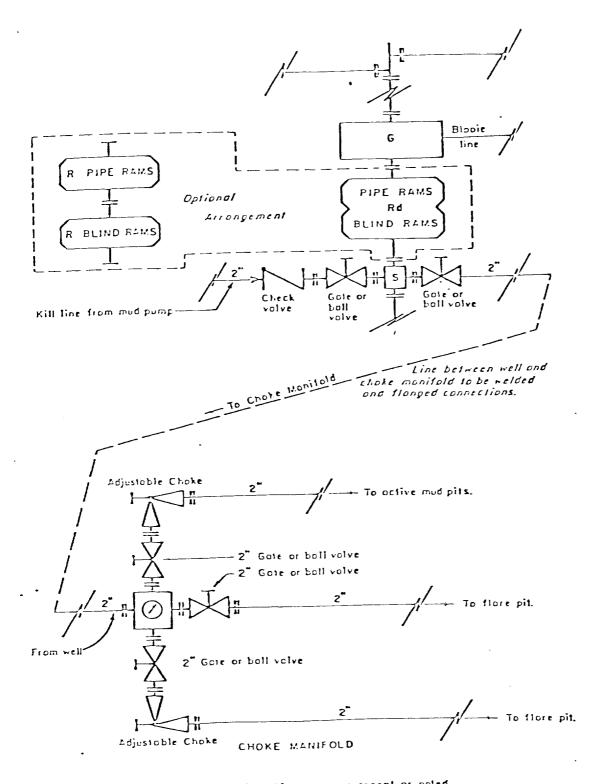
The yellow sheet of the IADC Report is to be filled out completely. The original copy of the drilling time recorder, and copies of any invoices from this well, signed and received for Tenneco Oil Company, will be mailed daily to:

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

ATTENTION: Drilling Department

# IN CASE OF EMERGENCY, NOTIFY THE FOLLOWING:

- 1. Mr. Don Barnes, Division Drilling Engineer.
- 2. Mr. George E. Ramsey, Jr., Drilling Engineers Supervisor
- 3. Mr. John W. Owen, Project Drilling Engineer.
- 4. Mr. Mike Lacey, Division Production Manager (Home 303-979-0509).



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

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

#### ARRANGEMENT C

TENNECO OIL COMPANY ROCKY MOUNTAIN DIVISION

REQUIRED MINIMUM
BLOWOUT PREVENTER AN
CHOKE MANIFOLD
J. MAGILL 10-26-78 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 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 above Kiffen Canyon on a broken mesa tops with many erosional gullies. the soil is sandy clay supporting pinon, juniper, various shrubs.
- 12. Operator's Representative -

#### SEE DRILLING PROGNOSIS

13. Certification - I hereby cert vision, have

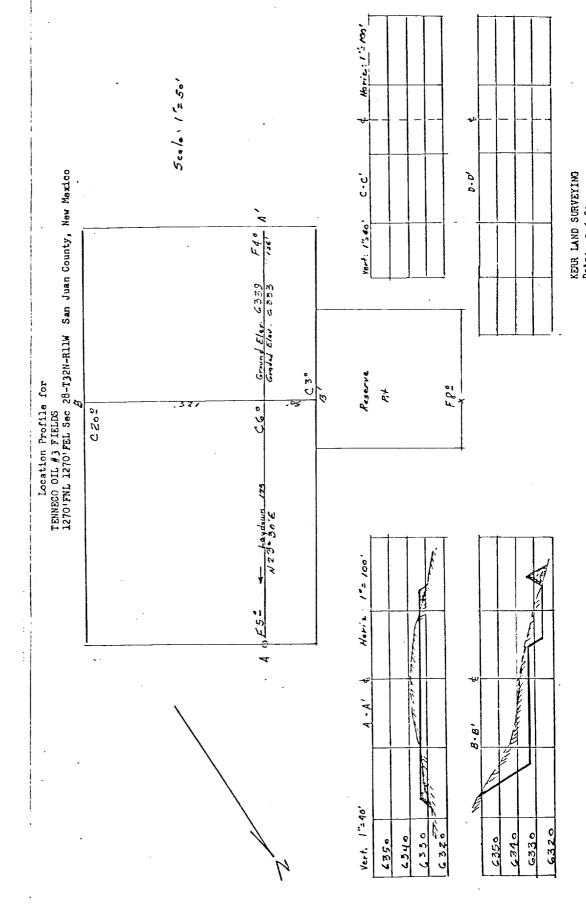
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements mad in this plan are, to the best of my knowledge, true and correct; and that the work associated 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.

I Storpert

L. Freeman

Staff Production Analyst

No New Look



KERR LAND SURVEYING Date: 2-6-80

2 wellen

