SUBMIT IN TEJPLICATE*

Form approved. Budget Bureau No. 42-R1425. 5. LEASE DESIGNATION AND SECIAL NO. NM 010989

(Other instructions on reverse side) UNITED STATES DEPARTMENT OF THE INTERIOR

	GEOLO	GICAL SURV	EY			NW 010989		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN, ALLOTTE	E OE TEIHE NAME	
1a. TIPE OF WORK						7. UNIT AGREEMENT		
DRI b. TIPE OF WELL	LL 🛚	DEEPEN		PLUG BA		. DAM AGELEMENT	ANL	
OIL OA	ELL OTHER			INGLE MULT	IPLE .	S. PARM OR LEASE NA	ME	
2. NAME OF OPERATOR						Fields Com		
Tenneco (Oil Company					9. WELL NO.		
3. ADDRESS OF OPERATOR						4	;	
720 s. c	olorado Blvd., 1	Denver, CO		222		10. FIELD AND POOL,		
4. LOCATION OF WELL (Re	eport location clearly and	in accordance wi	th any	State requirements.*)		Basin Dako	ta .	
						11. SEC., T., R., M., OR AND SURVEY OR A		
At proposed prod. zone 1090' FSL, 1475' FWL Unit Letter N						Sec. 28, T32	N, RllW	
14. DISTANCE IN MILES A	IND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFIC	r.		12. COUNTY OR PARISE	1 13. STATE	
	North of Aztec					San Juan	New Mexico	
15. DISTANCE FROM PROPU LOCATION TO NEAREST			16. N	O. OF ACEES IN LEASE		OF ACRES ASSIGNED	•	
PROPERTY OR LEASE L (Also to nearest drlg	INE, FT.		l	2480.00		320.00		
18. DISTANCE FROM PROPE	OSED LOCATION®		19. יינ	OPOSED DEPTH	20. ROTA	20. ROTARY OR CABLE TOOLS		
TO NEAREST WELL, DI OR APPLIED FOR, ON THI	RILLING, COMPLETED, S LEASE, FT.		1	8130		R a tary	•. •	
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)		·		· · · · · · · · · · · · · · · · · · ·	22. APPROX. DATE W	OBE WILL START	
6455 GR					; .	- ASAP	• •	
23.	P	ROPOSED CASI	NG ANI	CEMENTING PROGI	RAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00T	SETTING DEPTH	<u> </u>	QUANTITY OF CEME	NT	
12 4'	9 5/8" new	36#, K-55	5	- 250'	Circu	late to surface	3 .	
8 3/4"	7" new	23#, K-55	5	3600'	Circu:	late to surface	?	
61/4"	4½" new	10.5#, 1	1.6#	8130'	Circu	late through li	ner hanger	
No abno:	rmal temperature	e, pressure	or g	eologic hazard	s expect	ced.		
THE GAS IS D	EDICATED				ę		$F = \frac{1}{2} \frac{2}{4}$	
						PPROVED	7.	
4					-	アドベンメニン		
	•					400 0 1000		
						APR 5 1900	30	
					6-7	11/7 Best		
				•		- DIC 7 L'NICHAIRE	a ·	
				**		DISTRICT ENGINE	<u>'3.</u>	
	•	4			100			
IN AROVE SPACE DESCRIBE	PROPOSED PROGRAM: If]	proposal is to dee	pen or I	olug back, give data on	DI Seni Dio	luctive zame and proposi	ed new productive	
zone. If proposal is to	drill or deepen directiona	lly, give pertinen	t data o	on subsurface locations	and niemse	d and true vertical dept	bs. Give blowout	
preventer program, if any	5.				1 000	a 1900	· · · · -	
24.	1				AFF	cols.	::: //	
BIGNED) Juimo	71	TLE S	taff Productio	n Apal y	Sis DITE /3-	7-80	
	reeman ral or State office use)			14.	10	W61-2-/-		
(This space for rede.	rai or State omce use)				No. Barrier	· · · · · · · · · · · · · · · · · · ·		
PERMIT NO				AIPROVAL DATE		The state of the s		
						· •	•	
APPROVED BY		тг	TLE			DATE		
CONDITIONS OF APPROV.	AL, IF ANY:		1,12	1000		•		
ole 30	1		141/	1000		•	•	
oh 50	- A-C							
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*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P. O. BOX 2088

. ' STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

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

Operator			L	ease	Well No.		
TENNECO OIL COMPANY				FIELDS COM			
Unit Letter	Section	Township		Range	County	-	
N	28	32N		11W	San	Juan	
Actual Footage Loc	ation of Well:	5		-1			
1090	feet from the	South	line and	1475	feet from the	West	line
Ground Level Elev.	Producin	g Formation	P	∞l		D.	edicated Acreage;
6455		Dakota		Basin Da			320.00 Acres
1. Outline th	e acreage de	dicated to the	subject well	by colored per	icil 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 "y	es," type of c	onsolidation _	Communitiza	ation	
							_
If answer	is "no," list	the owners and	tract descrip	tions which ha	ve actually be	en consolidate	ed. (Use reverse side of
1	f necessary.)			*,* <u>* </u>			
forced-poo	ole will be as ling, or otherv	signed to the we vise) or until a n	ell until all ir ion-standard u	iterests have b init, eliminatin	een consolidat g such interest	ed (by commu s, has been aj	nitization, unitization, pproved by the Commis-
sion.							
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	1	N		i I		I hereby cert	tify that the information con-
SF	- 078231	N N		t .		1	n is true and complete to the
	1	3				ž .	nowledge and belief.
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NM - Olo				1		Position	
TOC Cono	co 🗓 ea	ch		į.		Staff	Production Analyst
	i	1		1		Company Tenne	eco Oil Company
	1	Sec.		1		Date March	ı 7, 1980
				<u> </u>			
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	1	Ĩ	28	i	The second second	I hereby cer	rtify that the well-location
]]	1			ہا ا	253 62	shown on thi	s plat was plotted from field
	!	•				notes of act	ual surveys made by me or
	1	<u> </u>		100		4 .	pervision, and that the same
	1				A Company of the Comp	is true and	correct to the best of my
	1	. 1			_n 4950	knowledge ar	nd belief.
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0 330 660	90 1320 1650	1980 2310 2640	2000	1500 1000	200 0		Kron 18

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

DRILLING PROGRAM

DATE: January 30, 1980	
LEASE: Fields Com	WELL NO.: 4
hOCATION: 1090° FSL, 1475°FWL Sec. 28, T 32N, R 11W San Juan County, New Mexico	FIELD: Basin Dakota
• •	
ELEVATION: 6465', Est. K.B.	
TOTAL DEPTH: 8130'	
PROJECTED HORIZON: Dakota	
SUBMITTED BY:	DATE:
APPROVED BY: Blumb	DATE: 1/31/80
DSB/ms	·
CC: Administration DSB Well File Field File	

ESTIMATED FORMATION TOPS

Ojo (Water	2220'
Pictured Cliffs (Gas)	3170'
Lewis	3260'
Cliffhouse (Gas)	5120'
Menefee (Gas)	5180
Point Lookout (Gas)	5630'
Mancos	5780 '
Gallup (Oil)	7230
Greenhorn	7760'
Dakota (Gas)	7880'
T.D.	8130'

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 ± 250'. Cement with sufficient volume to circulate cement to surface.
- WOC a minimum of 12 hours. Nipple 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#/(1150') 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', 4 1/2", 10.5#, K-55, ST&C casing. 1150', 4 1/2", 11.6#, K-55, ST&C casing.

MUD PROGRAM

0-2501 Native solids. Have sufficient viscosity to clean hole and

run casing.

Benex and water. Have sufficient viscosity to run casing. 250'-3600'

3600'-T.D. Gas.

EVALUATION

Cores and DST's:

No cores or DST's are anticipated.

Deviation Surveys:

- Survey surface ever 100'. Maximum allowable deviation at surface is 10.
- 2. 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" blooie line.

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.

- 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.

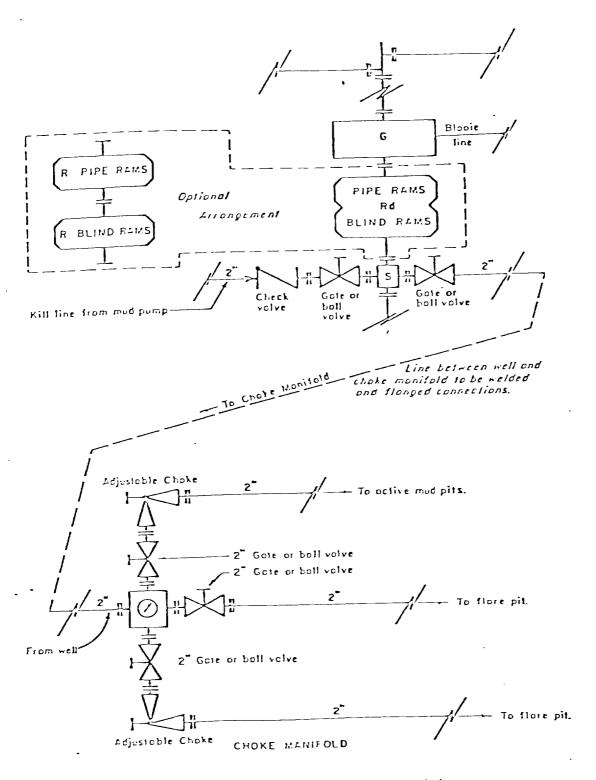
The yellow sheet of the IADC Report is to be filled out completely. The original copy of the drilling time recorder, and copies of any invoices from this well, signed and received for Tenneco Oil Company, will be mailed daily to:

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 as noted.

- Rd Double ram 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 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. Daisting hand -
- please refer to Map No. 1 which shows the existing roads. I'm eads which will be required have been replicated as map. All existing and new roads will have paintained during the duration of this reject.
- 2. Planned Access Nords Please of the Map No. 1. The grade of the access roads will tonsistent with that of the local terrain. The road to ce will not exceed twenty feet (20') in width. Un 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.
 - Location of Existing Wells Please refer to Map No. 2.
 - preation of while Batteries, Production Facilities, and Production Gathering and Production Gathering and 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.
 - ation and Type of Water Supply Water for the proposed project will be obtained from a private source.
 - to build either the access road or the proposed location.
 - 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 J
 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 marthen pits will be so constructed as to prevent
 leabers I 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 located above Kiffen Canyon in an area of very broken topography. The soil is sandy clay supporting pinon, juniper, bitter brush and native grasses. The minerals and surface are held in public domain.
- 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

