SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

UNITE	ED S	STATE	ES
DEPARTMENT	OF	THE	INTERIOR

30-086-24117

5. LEANE DESIGNATION AND SERIAL NO.

	SF 079508									
APPLICATION	V FOR PERMIT	TO DRILL, D	EEPE	N, OR PLUG	BACK	G. IF INDIAN, ALLOTTEE OR TRIBE NAME				
a. TYPE OF WORK	ILL 🖾	DEEPEN [PLUG BA		7. UNIT AGREEMENT NAME				
b. TTPE OF WELL OIL G	AS [☑]			NGLE MULTI	PLE	S. FARM OR LEASE NAME				
	ELL OTHER		ZO	NE ZONE		Cole "A"				
•	Company					9. WELL NO.				
Tenneco Oil	company					1E				
	orado Blvd., Dei	nver, Co. 80	222			10. FIELD AND POOL, OR WILDCAT				
LOCATION OF WELL (R	eport location clearly an			tate requirements.*)		Basin Dakota -				
At surface 1750 FSL 890	, FEI			_	- :	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA				
At proposed prod. zor										
_						SEC 35, T28N, R10W				
DISTANCE IN MILES	AND LIRECTION FROM NE.	AREST TOWN OR POST	OFFIC	C.*		12. COUNTY OR PARISH 13. STATE				
7.8 miles So	outh SouthWest	of Blanco, N	.M.		1.2.32	San Juan N.M.				
O. DISTANCE FROM PROP- LOCATION TO NEARES PROPERTY OR LEASE	T		16. NO	OF ACRES IN LEASE	TO	OF ACRES ASSIGNED THIS WELL				
(Also to nearest drl	g. unit line, if any)		10	320.00		ARY OR CABLE TOOLS				
S. DISTANCE FROM PROI TO NEAREST WELL, D	RILLING, COMPLETED,	·	19. 15							
OR APPLIED FOR, ON TH	ether DF, RT, GR, etc.)	1		6520	KOI	22. APPROX. DATE WORK WILL START*				
5889 GR						ASAP				
3.		DROBOGED GAGIN	C ANT	CEMENTING PROGI	135	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				
		PROPOSED CASIN	G ANI	CEMENTING PROGE	- AM :	<u> </u>				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	<u>от</u>	SETTING DEPTH	_	QUANTITY OF CEMENT				
12111	8 5/8" New	24#K55		± 300'		culate to surface				
7 7/8''	4 1/2" New	10.5#K55		± 6520'	Circi	ulate to surface in 2 stages				
l) If non	productive plug	g & abandon p	per	USGS/BLM requi	rements	5				
2) No abno	rmal temperatu	res, pressure	es o	r other geolog	ic haza	ards are expected				
3) The gas	is dedicated									
3) The gas	15 dedicated	•								
					,					
				•						
N ABOVE SPACE DESCRIB one. If proposal is to reventer program, if an	drill or deepen direction	proposal is to deep nally, give pertinent	en or p data (olug back, give data on on subsurface locations	present pro and measur	ed and true vertical depths. Give blowou				
1.	1-1-1									
	No France			or Production	Analys	st DATE December 19, 19				
signed M. Lee	Freeman	TIT	re St	aff Froduction	And 1 y	DATE DECEMBER 13, 13				
(This space for Fed	eral or State office use)									
PERMIT NO.				APPROVAL DATE						
APPROVED BY		TIT	LE			DATE				
CONDITIONS OF APPRO	VAL, II' ANY I									
	and the second second	oh Śroh								
Burrell Carranage		_								
. •		*See Instru	ctions	On Reverse Side						

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

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

erator Lease								
TENNECO OIL	COMPANY		00	LE "A"			<u> </u>	
nit Letter	Section	Township		Range	County			
Ī	35	28N		10W	San	Juan		
ctual Footage Loca		. 						
1750	feet from the	South line and	89	90 fe	et from the	$\mathtt{East}__$	line	
round Level Elev.	Producing For		Pool				Dedicated Acreag	e:
5889	Dakota	3		Basin Dako	ta		320.00 -	Acres
2. If more th interest an	an one lease is nd royalty).	dedicated to the we	ll, ou	tline each and id	lentify the	ownership th	ereof (both as	
dated by c Yes If answer this form it	No If a is "no." list the f necessary.)	lifferent ownership is unitization, force-pool nswer is "yes," type owners and tract deseed to the well until a or until a non-standa	of concripti	ons which have a	actually be	en consolida	ated. (Use reve munitization, u	rse side of
	+	RECE! DEC 2 FARMING	IVE	SURVEY N. M.		Name M. L Position Staf Company Tenr	certify that the inference is true and convenience and being the conve	ormation con- mplete to the Elief. on Analyst npany
	USA	35 s' - 079508 oc - ½	OIL O	281979 CN. COM. CIST 3	8901	shown on notes of under my is true of knowledg	poiessional Engli	ted from field ade by me or that the same a best of my
	i !_					Fred B	Werr Jr	

TENNECO OIL COMPANY

PROGNOSIS TO DRILL AND COMPLETE

DIVISION: Rocky Mountain DATE: September 13, 1979

LEASE: Cole "A" WELL NO.: 1-E

LOCATION: 1750' FSL, 890' FEL FIELD: Basin Dakota

Sec. 35, T 28N, R 10W

San Juan County, New Mexico

ESTIMATED ELEVATION: 5900'

ESTIMATED TOTAL DEPTH: 6520'

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 + 4.50'.
- (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: OJO		Formation- Na Water	acimiento		
Pictured Cliffs	1900'	Gas	Mancos	4550'	
Lewis	1990'		Gallup	5420'	Gas/Oil
Cliffhouse	3 ⋢ 20'	Gas	Greenhorn	6190'	
Menefee	3510 '	Gas	Dakota	6280 '	Gas
Point Lookout	4170'	Gas	TD	6520'	

DRILLING HUD 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

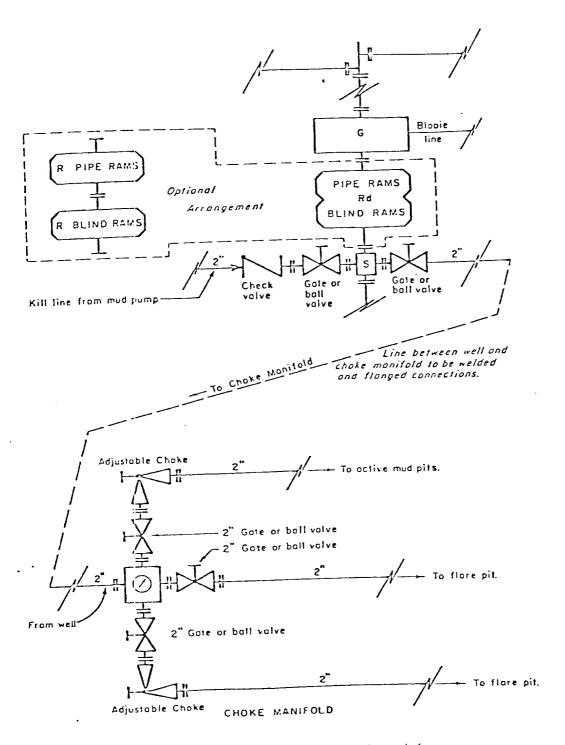
The yellow sheet of the IADC Report to be filled out completely, the original copy of the drilling time recorder, and copies of any invoices from this well signed and received for Tenneco Oil Company will be mailed daily to:

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.

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

ARRANGEMENT C

TENNECO OIL COMPANY ROCKY MOUNTAIN DIVISION REQUIRED MINIMUM BLOWOUT PREVENTER AN CHOKE MANIFOLD J. MAGILL 10-26-78

- 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 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 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 Armenta Canyon on level topography. The drainage is to the North by a large erosional arroyo located just South of the proposed site. The planned access is to go around this wash and West to an existing road. The soil is sandy clay supporting native grasses, saltbrush and sparce juniper.
- 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

41 - 7/84 .

CALCULATION SHEET

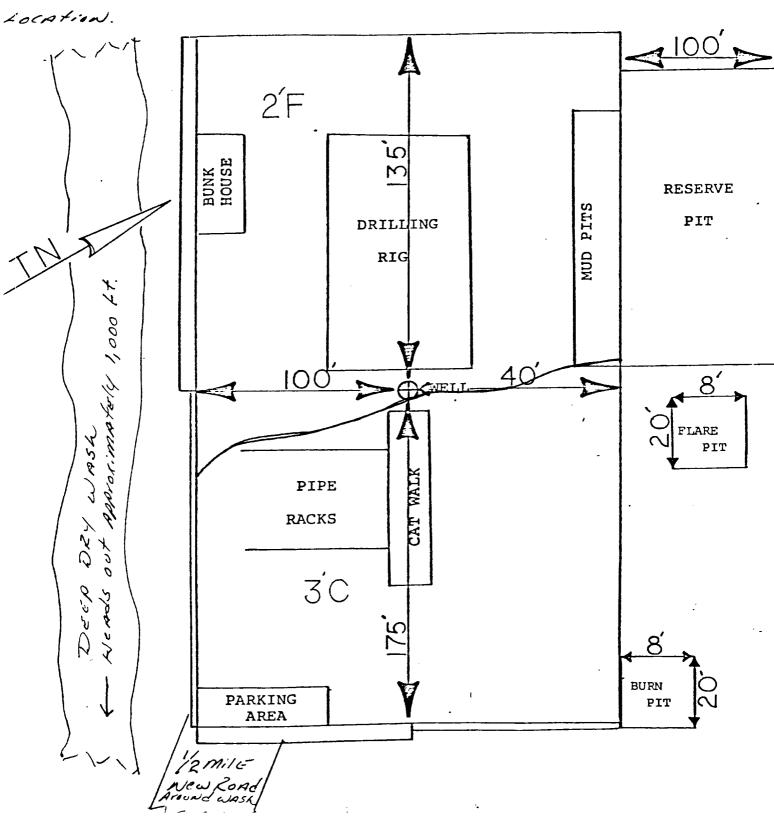
TION / 750 FSL 890 FEL SEC 35, 28N, RIOW)

EXHIBIT

TION / 750 FSL 890 FEL SEC 35, 28N, RIOW

DATE 18/19/79

The Planned Access is To proceed by A Stock TANK AND
AROUND The head of A LARGE WASH ON the South Side of The



<u> </u>		· 	· · ·		a	_ .		· · ·	٥٠		ç.,		æ=		/ 4	- 3 ₀ >0	 -	, د	2 4
Č	e '	3 2 3 6		₹ .	a 2 €	· · · ^c .R	!O ₩ .	d c	c,	36	o' .	; ·a .	!	.* 1 2	ri e		a ^a a	12 SAF	100
- 42' 6 '	· ·		<u> </u>	· · · · ·	`*** °	n _{e'} n. 		e.				•		0.2	<u> </u>		o''		ر دی
26. c.	e .	Q y	- -	• •		-+			्र • • •	- At 1		5 '		<u>-</u> -			o².	g 6	e°
c a	- e	رج م	64.04	o • **	e).			en_		o ⁱ	o*6° ≢		&	3* A-	' په	0		6 ⁵	ods .
6 0 24 S	e ⁱ ,	\$\hat{\psi}_0,	0	.			<i>5</i> ₹		3 2007 00	<u>\$</u>			· · ·		°c	-		50° 1	<u></u>
ະ ຄ" ຄາ ຄ° ະ"	۵, د	o ^m of	المشترة	oʻ .,,,	· · · · ·	'هجي	÷.	2	,		٥.	•	ć''	•	•		e		•
6 8 2 5 5 5	o :		, c' ,	ه څخونو	10.0	0 1	*°	ج مع المع المع المع المع المع المع المع ا	 	a•	<i>8</i> ′	o'	د ^{نگ} ر		o'*	-	3°		
\$ c \$ 6	.0:	<u> </u>	r-oʻ	esz :	المراق الم	, c'	ಲ್	o'' 6 300 ∆ = .	e'	© ⁵ Q ⁴ -5	⊕**.	5			3 ¹⁴ ♣ 10- B	•••	•	90	
The same of	 	e ⁱ e	ē.	÷.	- ંદ	. o.		<u> </u>	**	oʻ	ੈਂਹ 	6	\$ ⁶ 2	10 \$ 121	8 -12		4 3	o/: ⊕ 2	5.0° · ·
y * %s	- A:2	o e	<u>.,, e:</u>	O.	el el el el	# 6	°, /	19, _	oʻ •	1	\$ ⁹	9,1	6 .	o.	۰.	*	& ³0	8	o*:
36	S C*	٠ 	air Dogʻ	ී ් දේශී	. e/	3 2 2	\$`	7.	30 2 4 4/	٥٠)	e [#] 25	o*	€	2 6	9°	2	o"	c ou	¢ •
8	30 0		₫ 4.0 -	70 C 0			* 3'	6 ²	c*	•/		°, 3²	19	3"	1	0	: / _o ,	300	•
	9 4	ङ ुं के क		e ^{2 B}		. oʻ		\		•	o*:	⊅ 20	<u> </u>	o' /	\ c'	o '	/	ا ده	o- •16
- · · · · · · · · · · · · · · · · · · ·	<u> </u>	* 1 or o	90 ·	0.0	= 0	• 32 124•	o ²	9		- e	ø ²³			8°°°	۰,	ot	0.		C ²
•	G-	ع أبي	• : • :			•	- O				e.	22 gr	٠	9.0°	6 °°	0	0	3	o' o`
• .	•					· · · · · ·		©.	6 4	ε				₽ 9	o ,		· ·	014	<u>°.</u>
6° 5°	14 08 E	ీ హి	S .	3 (ii 2-€ ,	° °	i i o	9 0°		. •	۵,	67		Æ	0.8	.eo⁻	*	۰.	0°	»9 • • •
&' & '		o. = ' = '		e:".	e, e,			. ~	** *	8	o' ∵•o', .	2	-	\$ ⁹		<u> </u>	-		
	٤.		ج- ا	e*	\$ }\$\$* ♦	er er		e	₽,	0	₽ • },.	o,	ф .Э	· ·	<i></i>		o"	Ş.,	135° 8 20
3'	.5	° 6	·	J.*	e ; e		* *	•	0,0	e e	·,		e	e ⁱ		ع، ــــــ		o`*	
e .	•220	٥	- J.W		એ વે • 1 :	o.	. o.	و: د		o*	*	o' .	:-fb ^{* :}	e e	0	•	دعن	- C**	✓.
·		• i .	*** \$ ***	چ. ﴿	. 0		. 0	. * *		e'		*"		8*	- a*	ENERGY.	104 07 45	• 2 0* (7(
		6 X 34	.25 c ³			c.	र स		& 10°2	57	250 C	ь I	o²	, 2 ₆₀ ,	O _T	φ,	0		4º7.
	. 0	5'* ; &*	::: <u>*</u>	l en	€∷ੂ 		24	€ ²¹⁰	!	2·3 2·8	3	⊅-© 256		0 \$	*** ₈₄	O,	102	ES 2 %	0'1°
0 0	4 49	&	, e,	3	- ·		\$7	14		•.,	231 6 0 3	6	248	0"	¢''	j°o″t	\$"	€ 162 ⁷ de	1111
		م	129	-	224	> ^	"	**************************************	•	203 252		200		234 27 <mark>\$</mark> 54	3	or.	-4°	3 0,	. 06.
J •	. 67			•	о ^і » "	211	e.	116.	⊗ `		÷;	•	Ø ₁₅₈	•	, 2 • c"	٥٠.	\$	\$4'	•
	`			\ 3°"	20		2	در 253 الايم 253	k	2. 4.85	i			⊕ 0 21 157	••هر و	ф:43 ф ^{ге}	o'	6 ,	o •6-1
•	-	-1		نو ا	6 4)		i <u>[11,</u>				N P	0.59	,	6.02"	۰	6 '	ď	Q
•		, ' *						1. 1.		ço.		ē'`	1	•	O,	φ.,,	0±0	800	o
€ 6 ³	-	 -	· · · · · · · · · · · · · · · · · · ·	95		1/2	<u> </u>	•			♦ 162	\$	0-	160	Q3.	\$38	83	O**	000
* •		;	//	* .	25				6.			٥''		w.E4	Ç.131	رن _د ه		_	۰-
1	<u> </u>		201	13	646)		43	Ф, ₆₈	\$ 7	• 169	 	63	0,30	* ¹⁰¹	6		 	₩.	\$ <u>~</u>
و ۵۰ ۵۰	• • • • • • • • • • • • • • • • • • • •	62	•	-a-3	127	6² .98	, 100 - 32 - 110 -	•		, ye	6.7		•	دو. چ	1	205	*54	o ²⁰	087
÷ •'	ř	7.15 ^	•	71	1	ø^°	!	٥~	• •	. (70	. I	•	1	*	l	4.	l		1 -