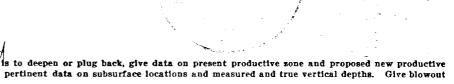
SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

Other instructions on

•		FED STATES		reverse s	lde)	30-03	9-71	1105
	DEPARTMEN ⁻	5. LEASE DESIGNATION AND SIRIAL NO.						
	GEOLO	09-000108	}					
APPLICATIO	N FOR PERMIT	6. IF INDIAN, ALLOT						
1a. TYPE OF WORK		Jicarilla		N.M.				
DR	ILL 🛛	DEEPEN (PLUG BA	CK 🗌	7. UNIT AGREEMENT	· NAME	:
b. TYPE OF WELL	:AS [√]		SINGLE [MULTIP	r.n. (***)		<u> </u>	 -
WELL V	VELL X OTHER		ZONE	ZONE	<u>"- U</u>	8. FARM OR LEASE		
	:1 Campany					Jicarilla 9. WELL NO.		
I ENNECO U	il Company		j		/			
•	olomado Plud		6A 10. FIELD AND POOL	OR WILLIAM				
1. LOCATION OF WELL (F	olorado Blvd., Report location clearly and	 	Blanco Me					
At surface	1,150' FNL and		<u></u>					
4	•		11. SEC., T., R., M., CAND SURVEY OR	AREA				
' At proposed prod. zo:	ue		Sec. 14, T	26N. R5W				
14. DISTANCE IN MILES	AND DIRECTION FROM NEA		12. COUNTY OR PAR	SH 13. STAT	· · · · · · · · · · · · · · · · · · ·			
See Point	1:b of Surface		Rio Arriba	New M	exico			
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE		16. NO. OF ACRES IN LEASE 17. NO. TO TO			of acres assigned his well 320			
(Also to nearest dri				BY OR CAPLE TOOLS .				
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.						tary	•	
21. ELEVATIONS (Show wh	•					22. APPROX. DATE		
7,208'	GL			June 15, 1978				
23.]	PROPOSED CASI	NG AND CEMEN	TING PROGRA	A M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F		ING DEPTH		QUANTITY OF CE	MENT	
12-1/4"	8-5/8"	24 1b.		250'		to circ. ba		
7-7/8"	4-1/2"	19.5 lb.		65'	Suff.	to cement t	<u>o surfac</u>	e csg.
				•				
	1 1		· · · · · · · · · · · · · · · · · · ·		'			
See at	tached sheet fo	or arilling	program.			•		
							•	

						The state of the s		



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. Division Production Manager 2-2-78

PERMIT NO.

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

th of Geological Survey Universe, colo.

		All distant	es must be f	om the oute	r boundaries o	of the Section.		
Operator			Lease				Well No.	
Tenneco Oil Company			Jicarilla "C"			6A		
Unit Letter S	Section	Township		Range County		i -		
A	14	26N		SW		Rio	Arriba	
Actual Footage Locat		N42		790			Foot	, V
1150 Ground Level Elev.	feet from the Producing	North	line and	P001	f	eet from the	East	line Dedicated Acreage:
	1				Verde	/	1	320.00 N/2 Acres
7208 Mesa Verde 1. Outline the acreage dedicated to the subject we			L		or bachure	marks on th		
2. If more tha interest and	n one lease royalty).	is dedicated	to the wel	l, outline	each and id	lentify the o	ownership th	nereof (both as to working
dated by co	mmunitization	n, unitization, fanswer is "y	force-pooli es;" type c	ing. etc?	lation <u>J</u> O	oint Oper	ating Agr	
this form if No allowabl	necessary.)_ e will be ass	igned to the w	ell until al	l interests	have been	consolidat	ed (by com	munitization, unitization, approved by the Commis-
PARTITION A			S-22					CERTIFICATION
					,05tt ø	790 !	tained he	certify that the information com- rein is true and complete to the y knowledge and belief.
	- + 1 1 0		·				Position Product	tion Analyst
	ľ) 	West of the second	Company Tenneco	o Oil Compa ny
	1				! !		Date 1/26/78	8
THE STATE OF THE S		Sec Sec	1h	Valence of	× 11 11 11 11 11 11 11 11 11 11 11 11 11			
	 		щ		8/978	S. COM.	shown on notes of under my is true	certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the some and correct to the best of my ge and belief.
	1 1 -1 1		•		FEB (OIL CO	lsia /	Registered and/or La	ber 31, 1977 Projessional Engineer id Surveyor B. Kerr Jr.
0 330 660	90 1320 1650	1980 2310 26	40 20	00 1500	1000	500 0	Certificate	Shreek

1. The geologic name of this surface formation is San Jose Eocene..

2. Formation Tops (estimated):

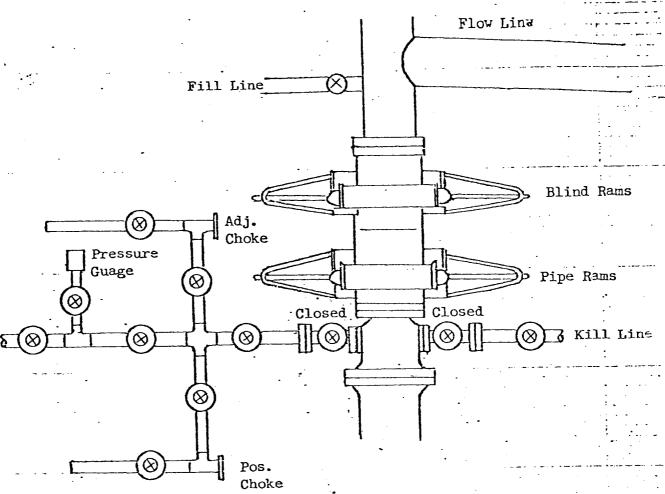
3. Water, Oil, Gas or Minerals:

Fruitland Pictured Cliffs Lewis Shale Chacra Cliffhouse Menefee Point Lookout Mancos Shale Gallup Sunostee	+ 3420' + 3820' + 3920' + 4700' + 5430' + 5565' + 5925' +ID=6165' + Not applicable - Not applicable	Possible Oil or Gas Producer
--	--	---

- 4. Run 8-5/8" OD, K-55 new casing to ±250' and circulate cement to surface. Run 4-1/2" OD, 10.5#, K-55 new casing to TD and cement in two stages with 65/35 pos. mix with 12-1/2 lb/sack gilsonite, tailing in with Class B cement with 2% CaCl2. Circulate 4 hours between stages. Casinghead will be a 10" 900 series w/a 3000 psi. rating.
- 5. Blowout preventors: Hydraulic, double ram, 10". One set of rams will be provided for each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2" with variable choke. BOP's will be installed, tested and in working order before drilling below surface casing and shall be maintained ready for use until drilling operations are completed. BOE will be checked every 24 hours and recorded in drillers logs.
- 6. We will use: spud mud from 9 ±250'; Gel chemical w/low solids as needed to maintain good hole conditions from 250' TD. Quantities of mud will vary with conditions encountered.

7. Auxiliary Equipment

- a. Kelly cock will be in use at all times.
- b. Stabbing valve to fit drill pipe will be present on floor at all times.
- c. Mud monitoring will be visual, no abnormal pressures are anticipated in this area.
- 8. An AOF test will be taken at the completion of this well. No cores will be taken. Gamma Ray Density and Compensated Neutron logs will be run. Any other evaluation that may be necessary during the drilling of this well will be conducted as needed. Deviation surveys will be taken.
- No abnormal pressures or temperatures are anticipated. See point #5 for blowout prevention equipment.
- 10. The drilling of this well will take approximately fifteen days. The gas is contracted to Northwest Pipeline Company. See item 22 on 9-331-C for anticipated starting date.
- 11. Your office (Telephone 303/247-5144) will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.



_All valves 2"

All BOPs, flanges, spools, Evalves, & lines must be series 900 For 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOOKUP

Denver, Colorado

uk, all usl i'lak Jicarilla C Well No. 6A

1. Existing Roads:

See surveyors plat for actual staking.

The well site is located approximately 12 miles S of Dulce, N.M. on highway 17. Continue S on highway 537 for 25 miles. Turn west at Counting Pens for 2-1/2 miles. Turn right up Cottonwood Canyon. Take two left hand turns to top of BS Mesa. Follow

Exhibit B from there. See Exhibit "B" for access roads.

Not applicable. This is not an exploratory well.

See Exhibit "B" for one mile radius road map.

Existing roads maintenance or improvement (will not) be necessary.

Planned Access Roads:

See Exhibit "B".

Width = 14'; maximum grade = 4°, Length = 200'

No turnouts. c.

Drainage = Water bars on any slopes and on road to prevent erosion. d.

Road will be cut into any arroyos and sloped across the bottom to maintain normal drainage. No major cuts or fills are necessitated. No culverts.

f. Road (WXXX, will not) be surfaced.

g. No gates or cattle guards are needed.

h. Road is center line flagged.

3. Location of Existing Wells.

a. See Exhibits "B" and "C" for well locations.

No water wells could be located within one mile of this well.

location of Existing and/or Proposed Facilities.

See Exhibit "A". Lines are buried.

This is expected to be a dry gas well. If condensate is encountered, a 300 bbl steel tank painted per BIA to match the surrounding area, will be set on a gravel base near the well as shown on Exhibit "A". A dirt bank will be erected around the tank to contain any spills. The possible spill area will be fenced.

c. If well is productive, pits will be backfilled, leveled and reseeded to BIA specifications as soon as practical to original condition.

Location and type of Water Supply

a. Water will be hauled from the waterwells in this area

b. Trucks will be used to haul water. No new roads will be necessary.

c. No water well will be drilled.

Source of Construction Materials.

No construction materials will be used. Surface soil will be stockpiled.

We will not be getting any construction materials from Federal or Indian lands.

c. No construction materials will be used.

No access roads for construction materials will be needed.

7. Methods for Handling Waste Disposal.

Cuttings will be disposed of in the reserve pit.

bac. Drilling fluids and produced water will be collected in the reserve pit and hauled away to an approved disposal system or a separate disposal application will be submitted. Any produced oil will be run to the tank (see 4:8)

d&e.All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. Trash pit will be fenced with small mesh wire.

After the rig moves out, See 4:C. If unproductive, a dry hole marker will be installed and all pits will be filled, leveled and entire location reseeded to BLM specifications. Roads will be leveled and reseeded.

Ancillary Facilities. No camps or airstrips will be needed in the drilling of this well

Well Site Layout.

8.

See Exhibit "A".

Pits will be unlined.

Plans for Restoration of Surface.

See 4:C and 7:A-F.

See 7:A-F or per BIA specifications for that area.

prior to rig release, pits will be fenced and so maintained until clean up.

If any oil is on the pit, it will be removed or overhead flagged.

Rehabilitation operations will be done during the best weather conditions to promote regrowth in area. All seeding will take place between July 1 and Sept. 15.

Other information. 1.

Site is located in nearly level terrain with small hillocks. Vegetation consists of juniper, pinion, antelope bitterbrush, gambel oak, sagebrush, Utah serviceberry, mountain mahogoney, blond and narrow leaf yucca and rabbitbrush.
b. The surface is used for grazing.

No open water, occupied dwellings, archeological, historical, or cultural sites

are located within 1/2 mile of this site.

Operator's Representative. 12.

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows: Donald Barnes, 720 South Colorado Boulevard, Denver, Colorado 8022 Office = 303/758-7130 ext. 212.

Certification. 13.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

Donald S. Barnes

Division Drilling Engineer

