J. L. Millian			***	*** * **	
(Other				OB	
TO	TATE	a cida			

"AFPROVAL TO FLATE WAR

WHILE DRILLING AND TESTING

4	Budget		Bureau No		42-R142	
1	-/	مرجع		• .	9.	

	CT.TEC	(Other instructions on	A	Budget	Burea
-	STATES	reverse side)	-3/4-	12	
PARTMENT	THE INTERIOR		5. LEA	SE DESIG	NATION

	DEI MICTIN		1 4 1 1 1	11011		5. LEASE DESIGNATION	N AND SERIAL NO.
	GEO	DLOGICAL SURV	ΕY	graden in	erjat :	NM 7951	
APPLICATION	FOR PERM	IT TO DRILL, I	DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTI	EE OR TRIBE NAME
1a. TYPE OF WORK	LL XX'	DEEPEN		PLUG BAC		7. UNIT AGREEMENT	NAME
OIL XXX	ELL OTHE	B		INGLE MULTIPE	LE [8. FARM OR LEASE NA	A M. E
2. NAME OF OPERATOR				T 73 7.5 V	·	Leonard Brot	thans
Tenneco Oil (Company			ID) E G	•	9. WELL NO.	riici 2
3. ADDRESS OF OPERATOR				0/7		27	
720 South Co	orado Blvd,	Denver, CO 80	222	1810	10.70	10. FIELD AND POOL,	OR WILDCAT
4. LUCATION OF WELL (R	eport location clearl	y and in accordance wi	th any S	tate requirements.*)	• • • • •	South Leonar	rd Queen Penrose
	FNL and 660)' FEL		U. S. GEOLOGA	14 5, 1	11. SEC., T., R., M., OR	
At proposed prod. zon	e			HOBBS, HEW	MEAR	AND SURVEY OR A	REA
						Sec. 14, T26	SS, R37E
14. DISTANCE IN MILES	AND DIRECTION FROM	NEAERST TOWN OR POS	T OFFIC	E.º		12. COUNTY OR PARISI	H 13. STATE
Sec. 1 B+C	Surface Use	Plan				Lea	New Mexico
15. DISTANCE FROM PROPE LOCATION TO NEARES PROPERTY OR LEASE I (Also to nearest drl)	r Ing, pr.			560	17. NO. 0	OF ACRES ASSIGNED HIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION® TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			1	+ 3600'	20. ROTABY OR CABLE TOOLS ROTARY		
3010 K.B.	ether DF, RT, GR, et	c.)		212 1 2 2		July 10,	
23	-	PROPOSED CASI	NG ANI	CEMENTING PROGRA	M	lagina in Ara	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH		QUANTITY OF CEME	INT
12¼"	8-5/8"	24#		+ 500'	Suffi	cient to circu	late to surface
7-7/8"	5½"	1 5.5#		+ 3600'			late back into
					surfa	ce casing.	

1- The geologic name of the surface formation is Ogallala Lime. 2&3-Estimated Formation Tops

Salt 10501 Base Salt + 2420' Yates + 2580' Rhodes Marker 2850' Ŧ 3350' Queen (Main Pay)

SEE ATTACHED FOR CONDITIONS OF APPROVAL.

Penrose + 3450¹· Set and cement 8-5/8" OD, $\overline{2}4\#$, K-55 surface casing to $\pm 500'$, with sufficient cement to circulate to surface. Run $5\frac{1}{2}$ " OD, 15.5#, K-55 new casing to T.D. and cement with a sufficient amount to circulate up into surface casing. Casinghead will be a 10" 900 Series with 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 line 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. BOP's, drills and tests will be recorded in the drillers logs. 0-+500' spud mud. 500'-3300' Low solids, viscosity as needed to clean hole. 3300' - T.D. gel water, viscosity as needed to log hole, 10 lb. brine water is used.

Auxillary Equipment

a. Kelly cock will be in use at all times.

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.

Floats at bits.

e. Drill string safety valve(s) to fit all pipe in the drill string will be maintained on the rig floor while drilling operations are in progress.

This well will be pump tested after recovery of any load oil or water. No cores will be taken Logs: DLL-Micro-SFL-GR, CNL-FDC-GR caliper, run GR to surface, run all other logs 100' into salt.

No abnormal temperatures or pressures are anticipated.

10- Anticipated starting date will be contingent upon rig availability, approximately July 10, 1978. The drilling of this well will take approximately 10 days. The gas is dedicated to

El Paso Natural Gas Company.

11- Your office (telephone 505/393-3612) 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.

Unless Drilling Operations have Commenced, this drilling approval <u>'-20-18</u>

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.

preventer program, it any.							
8IGNED	D.D. Myen	TITLE Division Production Ma	APPROVED- nagAS.AMENDED				
(This space	e for Federal or State office use)	APPROVAL DATE	JUN 2 0 1978 Q : Q : Z :				
			ACTING DISTRICT ENGINEER				