Budget Bureau No. 42-R1425.

	5. LEASE	DESIGN	ATION	AND	SERIAL	NO.	
1							

		DEP.			STATE THE	ES INTERIO		reverse side)	5. LEASI	E DESIGNATION
			GEOL	OGIC	AL SUR	VEY				321 7	7951
APPLICA	TION	FOR	PERMIT	TO	DRILL,	DEEPEN,	OR P	UG BA	\CK	6. IF IN	DIAN, ALLOTTI
TYPE OF WORK	DRILL	_ 🖒			DEEPEN		PLU	IG BACK		7. UNIT	AGREEMENT
OIL Y	GA8 Weli	. 🗆	OTHER			100	EOD E	MULTIPLE		8. FARM	OR LEASE NA

APPLICATION FOR PERMIT T	O DRILL, DEEPEN	I, OR PLUG BACK	6. IF INDIAN, ALLOTTE.	E OR TRIBE NAME
A. TYPE OF WORK DRILL	DEEPEN 🖸	PLUG BACK [7. UNIT AGREEMENT N	AME
b. TYPE OF WELL OIL CAS WELL OTHER		LES MULTURE D		
TEINECO OIL COMPANY	<i>U</i> U	111N 5 1076	Leonard Brothe	ers
3. ADDRESS OF OPERATOR 720 S. Colonado Blvd., Denv	ver, Colorado 🐠	2GEOLOGICAL SURVEY	10. FIELD AND POOL, O	
LOCATION OF WELL (Report location clearly and At surface 660' F!IL and	11. SEC., T., B., M., OR	South Leonard Queen Penrose 11. SEC., T., B., M., OR BLE. AND SUBVEY OR ABEA		
At proposed prod. zone			Sec. 14, T26S.	, R37E
4. DISTANCE IN MILES AND DIRECTION FROM NEAR	12. COUNTY OR PARISH	13. STATE		
See Surface Use Plan Point	: 1 B and C		Lea	Hew Mexico
5. DISTANCE FROM PROPOSED*	16, No. 0	F ACRES IN LEASE 17. N	O. OF ACRES ASSIGNED	

13. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PHOPERTY OR LEASE LINE, FT.
(Also to DEAREST drig, unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. TO THIS WELL 2560 19. PROPOSED DEPTH 20. ROTABY OR CABLE TOOLS ±3600' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START*

3010' K.B. · 23.

July 15, 1978

		PROPOSED CASING AN	D CEMENTING PROGE	RAM TO LOUIS LOUIS TO THE STATE OF THE STATE
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	3-5/8"	24#	±500'	Suff. to circulate to surface
7-7/8"	5-1/2"	15.5#	±3600'	Suff. to circulate back into
				surface casing.
	1	İ		"ADDDOUGE

The geologic name of the surface formation is Ogallala Lime.

'APPROVAL TO FLAPE GRANTED WHILE DRILLING AND TESTING."

283. Estimated Formation Tons:

Salt ±1060' ±2430' Base Salt Yates ±25901 Rho es Marker ±2860' Oueen Main Pay +33601 ±3460' Penrose

SEE ATTACHED FOR COMPITIONS

Set and cement 8-5/8" OD, 24#, K-55 surface casing to ± 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 nsi rating.

Blowout Preventors: Hydraulic, double ram, 10". One set of rams will be provided for each size drill pine 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. $0 - \pm 500'$ snud mud. 500'-3300' low solids, viscosity as needed to clean hole. 3300'- T. D. gel water, viscostity as needed to log hole, ten bound brine water is used also. Auxillary Equipment

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

b. Stabbing valve to fit drill pine will be present on floor at all times.

c. Mud monitoring will be visual, no abnormal pressures are anticipated in this area.

d. Floats at bits.

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

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

No abnormal temperatures or pressures are anticipated.

Anticipated starting date will depend upon rig availability, probably around July 15, 1973. The drilling will take approximately 10 days. The gas is dedicated to El Paso Matural Gas Company.

Your office (Telephone 505/393-3612) will be notified of soudding in sufficient time to witness cementing operations. Immediate notice will be given on blowo ts, fires, spills, and accidents involving life-threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plunging operations, plug back work, casing remain work or corrective cementing operations.

Unless Drilling Operations have Commenced, this drilling approval Expires 9-20-78

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

preventer program, it any.		
SIGNED Division Production	APPROVED MAGNAMENDEDS	,
(This space for Federal or State office use)	JUN 2 0 1978 <i>Q. Q. L.</i>	
	ACTING DISTRICT ENGINEER	