		DEPARTME	D STATE	ES INTE	RIOR	\$0 p. 30	11 15 15 15 17 1	
		GEOL	OGIC SUR	VEY	COPY 70		M 795]	
		N FOR PERMIT	TO DRILL,	DEEF	PEN, OR PLUC	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
la. TYPE (RIL L 🖾	DEEPEN		PLUG B	ACK []	7. UNIT EGREEMENT NAME	
b. TYPE C OIL WELL X	<u> </u>	GAB OTHER			HINGLE [] MUI	TIPLE [-	
2. NAME O	F OFERATOR				ZONE ZON	<u> </u>	8. FARM OR LEASE NAME Leonard Brothers	
TENNECO OIL COMPANY 3. ADDRESS OF OPERATOR							9. WELL NO	
720 South Colorado Blvd, Denver, CO 80222							10. FIELDMINGSPANATE FILDCAT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 660' FWL and 660' FNL							Leonard Queen South	
At proposed prod. zone							11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE®							Sec 13, T26S, R37E 12. COUNTY OR PARISH 13. STATE	
See point 1: B7& C of Surface Use Plan							Lea New Mexico	
LOCATI PROPE	CE FROM PROF ON TO NEARES LTY OR LEASE	IT LINE, FT.		TO T			OF ACRES ASSIGNED THIS WELL	
(Also to dearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION [®] TO NEAREST WELL, DRILLING, COMPLETED,				2560 40 19. PROPOSED DEPTH 20. ROTA			ARY OR CABLE TOOLS	
OR APPL	JED FOR, ON TE	HIS LEASE, FT.	····	F			Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3010 K.B.							22. APPROX. DATE WORK WILL START*	
3010' K.B. June 15, 1978 PROPOSED CASING AND CEMENTING PROGRAM								
SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT								
1214"		8-5/8"	24#		±500'		f. to circulate to surface	
7-7/	8"	5½"	15.5#		±3600'		f. to circulate back into face casing	
- The geologic name of the surface formation is Ogallala Lime. 33-Estimated Formation Tops: Salt +1045' Base Salt +2415' SEE ATTACHED FOR								
Yate	Yates +2575' CONDITIONS OF APPROVAL 1078							
	es Marke n(Main P			•			•	
- Set	Penrose +3445' Set and cement 8-5/8" OD, 24#, K-55 surface xasing to +500', with sufficient cement to							
CITC	circulate to surface. Run 5½" 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.								
- 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								
befo	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. $-0-\pm500'$ Spud Mud. $500'-3300'$ Low solids, viscosity as needed to clean hole. $3300'-T.D.$								
gel water, viscosity as needed to log hole, water loss 8-12cc. 10 lb. brine water will be								
used. Unless Drilling Operations have								
- Auxillary Equipment a. Kelly cock will be in use at all times. Commenced, this drilling approval								
b. :	b. Stabbing valve to fit drill pipe will be present on floor at all times.							
 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 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								
	100' in			2100	unti cinatad			
0- Anti	cipated:	temperatures or starting date v	vill depend	are a upon	mircipated. rig availabil	itv. app	proximately June 15, 1978. The	
dril	ling of '	this well will	take approx	imate	ly 10 days.	The gas	is not dedicated to El Paso	
	Natural Gas Company. 1- Your office (Telephone 505/393-3612) will be notified of spudding in sufficient time to							
witne	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							
plug	back wor	rk, casing repa	ir work or	corre	ctive cementi	ng opera	ing plugging operations, tions. "APPROVAL TO FLARE GRANTED	
		•				J 1	WHILE DAIL OF THE GRANTED WHILE DAIL OF AND LESTING."	
sone. If he	OTHER IN TO C	init or deepen direction.	proposal is to deep ally, give pertinent	en or pl data or	ug back, give data on ; i subsurface locations ;	present produ and measured	and true vertical depths. Gire blowout	
24.	ogram, if any			· · · · · ·				
SIGNED _	JU.A	myen	тіт	LE Di	v. Production	Manager	5-24-78	
(This sp		al or State office use)					APPROVED_	
PERMIT NO APPROVAL DATE							APPROVED AS AMENDED	
		-					JUN 2 0 1978	
APPROVED CONDITIO	NE OF APPROVA	IL, IF ANY ;	TIT	LE			DATE G. G. Z.	
							ACTING DISTRICT ENGINEER	