UNITED STATES reverse alde) DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY								•)	EASE DENIGNATION AND BEETAL NO.	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK										
IA. TTI-R OF WORK DRILL DEEPEN DEEPEN PLUG BACK T. UNIT AGREEMENT NAME										
D. TIPE OF WELL OIL WELL CAB WELL OTHER						RINGLE MULTIPLE			FARM OR LEASE NAME Leonard Srothers	
TENNECO OIL COMPANY 3. AUDRENS OF OFFRATOR									WELL NO	
720 S. Colorado Blvd., Denver, Colorado 30222 . Location of Well (Report location clearly and to accordance with any Starfering of the first W C. Leon UNDESIGNATED South										
At surface At proposed prod. zone 660' FNL and 1939', FNL 2080						NAY 1 7 1978			Sec. 14, T26S, R37E	
		ND DIRECTION PR			T OFFICE	•	Cal	SUNVELTO	. COUNTY OR FARISH 13. STATE	
See point 1: B7& C of Surface Use Plan 15. DISTANCE FROM FBOFOSED* LOCATION TO NEAREST PROFERTY OF LEASE LINE, FT.						16. NO. OF ACASE 17. NO. C			Lea ilew ilexico	
(Also to dearest drig, unit line, if any) 18. DISTANCE PROM PROPOSED LOCATION [®] TO NEAREST WELL, DRILLING, COMPLETED,					19. ГВОРОЗЕВ ВЕГТН ±36701			20. ROTARY OR CABLE TOOLS Rotary		
OR APPLIED FOR, ON THIS LEASE, FT. 21. ELEVATIONS (Show whether DF, RT, GR, etc.)								22. APPROX. DATE WORK WILL START*		
2995' KB May 30, 1978 23. PROPOSED CASING AND CEMENTING PROGRAM										
SIZE OF HOLE SIZE OF CASING WEIGHT FER PO									QUANTITY OF CEMENT	
1	2-1/4"	<u>8-5/0"</u> 5-1/2"		24 <u></u>		±500*			o circulate to surface	
				<u>15.5#</u>		±3600'	1	surface	<u>o circulate back into</u> casing.	
	Anhydrite ± 960' Unless Prilling Operations have Salt									
	Base Salt Yates $\pm 2525'$ Possible oil or gas producer									
	Seven Rivers ± 2855' Possible oil or gas producer									
Rhodes Marker ± 2880' Queen (Main Pay) ± 3395' Oil and gas										
4.	Penrose \pm 3505' Oil and gas 4. Set and cement 8-5/8" OD, 24#, 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.	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 orde before drilling below surface casing and shall be maintained ready for use until drilling									
6.	 operations are completed. BOP's, drills and tests will be recorded in the drillers logs. 6. 0 - ±500' spud mud. 500'-3000' low solids viscosity to clean hole. 3300' - ID gel water viscosity, as needed to log hole. Brine water (10 lb.) used. 									
7.	viscosity, as needed to log hole. Brine water (10 lb.) used. ATTACHED FOR 7. Auxillary Equipment									
a. Kelly cock will be in use at all times.										
	 b. Stabbing value 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. d. Floats at bits. 									
	e. Drill string safety valve(s) to fit all pipe in the drill string will be maintained									
3.	on the rig floor while drilling operations are in progress. 3. This well will be pump tested after recovery of any load oil or water. No cores will be taken. Logs: DLL-Hicro-SFL-GR, CNL-FDC-GR caliper, run GR to surface, run all other									
	logs 100)' into sal	lt.	-			-		o surface, run all other	
9. 10.	9. No abnormal temperatures or pressures are anticipated.									
101	given. 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, spi and accidents involving life-threatening injuries or loss of life. Prior approval wi									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.										
IN ABOVE SPACE DESCRIBE PROPOSED PROCEAM : If proposal is to deepen or ping 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. Give blowout										
preventer 24.	program, if an		<u></u>						· · ·	
BIGNED		I. Ma	<u>p-1-</u>	<u> </u>	TLE Di	v. Productio	on Ma	anager	3-11-78	
(This space for Federal or State office use)									APPROVED AS AMENDED	
PERMIT NO					AFFEOVAL DATE				MAY 2 4 1978	
APPROVED BY TITLE TITLE								DATE		
									ACTING DISTRICT ENGINEER	

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