

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-0362177	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
2. NAME OF OPERATOR The Superior Oil Company		7. UNIT AGREEMENT NAME -	
3. ADDRESS OF OPERATOR P. O. Box 1900		8. FARM OR LEASE NAME Government "H" Com	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 1980' FEL Section 10, T-21-S, R-32-E At proposed prod. zone Same		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 33 miles southwest of Hobbs 30 miles northeast of Carlsbad		10. FIELD AND POOL, OR WILDCAT Hat Mesa	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 10, T-21-S, R-32-E	
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. No wells on same lease		19. PROPOSED DEPTH 14,500'	
20. ROTARY OR CABLE TOOLS Rotary 0-14,500'		21. APPROX. DATE WORK WILL START* Nov. 28, 1973	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GL: 3780'		22. APPROX. DATE WORK WILL START* Nov. 28, 1973	

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#, 61#	350'	400 sacks - circ.
12-1/4"	10-3/4"	51#, 55.5#	5600'	1800 sacks - circ.
9-1/2"	7-5/8"	29.7#, 33.7#	5400-11,200'	750 sacks
6-1/2"	5"	18#	11,000-14,500'	500 sacks

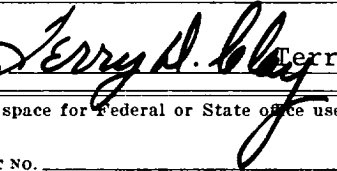
The above captioned well will be drilled in accordance with safe practices known to industry using blowout preventers and hydril equipment for proper well control. The above casing program will be used except that 5" liner will be run only if well is determined to be commercial.

Blowout preventers and hydril will be used after setting 13-3/8" casing and to total depth. This preventer equipment will be pneumatic controlled and contain hand control wheels that can be used for back-up. The preventer equipment will be pressure tested by "Yellow Jacket" at regular intervals during drilling operations to insure proper working of equipment.

IN ABOVE 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. Give blowout preventer program, if any.

24.

SIGNED



Terry D. Clay

TITLE

Petroleum Engineer

DATE

11-16-73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: