

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AMENDED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

*Amended Form

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 078 968-C	
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 R. J. Zonne		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 964, Midland, Texas 79701		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FN & EL Section 20 At proposed prod. zone T-22-S, R-32-E		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1980		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T-22-S, R-32-E	
16. NO. OF ACRES IN LEASE 40		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 15,000'		22. APPROX. DATE WORK WILL START* 6-23-73	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3621.2' Grd.			
23. PROPOSED CASING AND CEMENTING PROGRAM			


SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
22"	16"	64#	±600	Circ. to Surface
12 1/4"	10 3/4	40.5#	±4400	As required
9 1/2"	7 5/8 L	26.4 & 29.7#	±12,000	" "
6 1/2"	5" L	15.0#	±15,000'	" "

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Plan to drill 22" hole using native mud and set 16" surface casing @ ±600', circ. cement to surface. Using controlled brine w/additives as required, drilling 12 1/4" hole to ±4400' and run 10 3/4" casing. Cement as required for satisfactory fillup. Drill 9 1/2" hole w/water to ±12,000' into Wolfcamp and set a 7 5/8" liner prior to penetrating the Strawn zone. Cement as required for satisfactory fillup. Drill 6 1/2" hole with water and increase weight as required to drill the Strawn, Atoka, Morrow sections. Run 5" liner and circ. cement. Plan to drill and complete or abandon in accordance w/prudent practices or as required by governing regulatory body.

Plan to use double ram adequately rated BOP, Hydril, PVT, separator, adjustable choke and other mechanical equipment as required in anticipation of or as dictated by existing hole conditions.

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.  Roy W. Boyd, Jr. TITLE Agent DATE 6-25-73
(This space for Federal or State office use)

PERMIT NO. APPROVAL AT APPROVED
JUN 28 1973
ARTHUR R. BROWN
DISTRICT ENGINEER

*Original form amended primarily to reflect different casing size and design.

*See Instructions On Reverse Side