

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 28881 - 280 acres NM 23506 - 40 acres		
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 HNG OIL COMPANY			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box 2267, Midland, Texas 79702			8. FARM OR LEASE NAME Diamond 31 Fed. Com.		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FSL & 1980' FWL At proposed prod. zone Same			9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles NW from Jal, NM			10. FIELD AND POOL, OR WILDCAT Pitchfork Ranch /Morrow/		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		16. NO. OF ACRES IN LEASE 320	11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T24S, R34E		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		19. PROPOSED DEPTH 15,500'	12. COUNTY OR PARISH Lea		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3456.2' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 320			
20. ROTARY OR CABLE TOOLS Rotary		13. STATE NM			
22. APPROX. DATE WORK WILL START* When permitted					

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"	61#	600'	600 sacks CIRCULATE
12-1/4"	9-5/8"	36# & 40#	5200'	2500 sacks
8-3/4"	7"	26#	13250'	1500 sacks
6-1/8"	5-1/2" Liner	15#	15500'	350 sacks TOL: Est. 12,500'

BOP - Install at 5000' w/3000# cap. and 2450# annular preventer, at 13,000' increase to 10,000# cap. w/5000# annular preventer. Will use standard surface controlled BOP installation.

Gas is dedicated

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 Betty Gordon TITLE Regulatory Analyst DATE 8/31/84
Betty Gordon

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE 10-16-84

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL stipulations