

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 18726		
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 Jake L. Hamon		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 611 The Petroleum Building, Midland, Texas 79701		8. FARM OR LEASE NAME Federal 4 COM		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FSL & 1980' FEL of Section 4, T-21-S, R-27-E, Eddy County, New Mexico At proposed prod. zone		9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles NE from Carlsbad		10. FIELD AND POOL, OR WILDCAT Burton Flat 7		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, T-21-S, R-27-E		
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Eddy		
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. None		20. ROTARY OR CABLE TOOLS Rotary		
19. PROPOSED DEPTH 11,700'		22. APPROX. DATE WORK WILL START* March 1, 1975		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3200.7 GR				
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#	600	600 sacks or circulate to surface
12-1/4"	9-5/8"	36#	3000	1200 sacks or circulate to surface
8-3/4"	5-1/2"	17# & 20#	11700	500 sacks

Operator proposes to drill to the Morrow formation anticipated at or above 11,700'. Any significant shows of oil or gas will be drill stem tested. If oil or gas production is indicated in any zone penetrated, 5-1/2" casing will be set and cemented and the productive zone perforated. If necessary, the productive zone will be acidized or hydraulically fractured.

Fresh water gel mud will be used from the surface to total depth.

Two hydraulic blowout preventers of at least 3000 psi working pressure will be set on the surface casing and used throughout the drilling program. BOP's to be tested when installed and operated daily.

RECEIVED  
FEB 18 1975  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

MAR 3 1975

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.

O. C. C.  
ARTESIA, OFFICE

24. SIGNED [Signature] TITLE Production Superintendent DATE 2-14-75  
(This space for Federal or State office use)

APPROVED  
FEB 23 1975  
FOR DEPARTMENT OF THE INTERIOR, IF ANY  
FEDERAL DISTRICT OFFICE  
ACTING DISTRICT ENGINEER

SUBJECT TO ATTACHED DEEP WELL CONTROL  
REQUIREMENTS DATED JUN 22 1973

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS. \*See Instructions On Reverse Side

MAY 27 1975

DECLARED WATER BASIN  
CEMENT BEHIND THE  
CASING MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO  
WITNESS CEMENTING OF THE CASING