

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 IDENTIFICATION AND WELL NO. NM 38458		
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 DEC 13 1979		
2. NAME OF OPERATOR H. L. BROWN, JR.			7. UNIT AGREEMENT NAME O. C. C.		
3. ADDRESS OF OPERATOR P. O. BOX 2237, MIDLAND, TEXAS 79702			8. FARM OR LEASE NAME FEDERAL 8		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL AND 660' FWL OF SEC. 8 At proposed prod. zone			9. WELL NO. 1		
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 MILES NORTH OF CARLSBAD, NEW MEXICO			10. FIELD AND POOL, OR WILDCAT BURTON FLAT MORROW		
11. 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 BLEK. AND SURVEY OR AREA SEC. 8, T. 21 S., R. 27 E.		
12. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			12. COUNTY OR PARISH EDDY		
13. ELEVATIONS (Show whether DF, RT, GR, etc.) 3220.6' GR			13. STATE NEW MEXICO		
14. PROPOSED DEPTH 11,800			17. NO. OF ACRES ASSIGNED TO THIS WELL 320		
15. NO. OF ACRES IN LEASE 160			20. ROTARY OR CABLE TOOLS ROTARY		
22. APPROX. DATE WORK WILL START* 12-5-79					

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	12-3/4"	33.3#	600	Circulate
11"	8-5/8"	24&32# K-55	2800	Circulate
7-7/8"	5-1/2"	17&20# N-80	11,800	800 Sacks

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA  
BOP SKETCH  
DEVELOPMENT PLAN FOR SURFACE USE

GAS IS COMMITTED.

RECEIVED

NOV 21 1979

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

8. 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.

SIGNED

J. L. McGinn

TITLE

Drilling and  
Production Manager

DATE

NOV 21 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: