

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. LC 034117 (B)	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	
2. NAME OF OPERATOR Greathouse & Lovelady Oil & Gas, Inc.		7. UNIT AGREEMENT NAME --	
3. ADDRESS OF OPERATOR 406 N. Marienfeld, Midland, Texas 79701		8. FARM OR LEASE NAME U. S. Crosby	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL and 1980' FWL At proposed prod. zone Same		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1 1/2 miles SE of Jal, New Mexico		10. FIELD AND POOL, OR WILDCAT Crosby Devonian	
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 B.T.C. AND SURVEY OR AREA Sec. 28, T25S, R37E	
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		19. PROPOSED DEPTH 8300'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* June 22, 1973	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3007 GR			

23. 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"	34# H-40	510'	600 sx Class "C" w/2% CaCl
11"	8 5/8"	24# & 28# J-55	3600'	270 sx Halliburton light w/ 13# salt/sx & 100 sx Class "C" w/2% CaCl
7 7/8"	5 1/2"	15.5# & 17# J-55	8150'	350 sx Class "H" w/.75% CFR 2 & 5# salt/sx

Blow out preventer program to 510' None
Blow out preventer program 510 to 3600' 10" Schaffer Series 900 double hydraulic
Blow out preventer program 3600 to 8300' 10" Schaffer Series 900 double hydraulic

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. Greathouse & Lovelady Oil & Gas, Inc.

SIGNED [Signature] TITLE Operator DATE 6-11-73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
JUN 18 1973ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side