

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <del>DRILL</del> <input checked="" type="checkbox"/> <del>Re-enter</del> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>RL-092867</b>
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>Barlow &amp; Hart</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>P. O. Box 935, Midland, Texas 79701</b>		8. FARM OR LEASE NAME <b>Yates - Federal</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>660' from North and 1900' from West of Section 24, T-18-S, R-32-E</b> At proposed prod. zone <b>Queen Sand</b>		9. WELL NO. <b>1</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>8 miles South of Midland</b>		10. FIELD AND POOL, OR WILDCAT <b>Midland</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) <b>660'</b>	16. NO. OF ACRES IN LEASE <b>160</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>24 - 18-S, 32-E</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>800'</b>	19. PROPOSED DEPTH	12. COUNTY OR PARISH <b>Lee</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>3002 on</b>	20. ROTARY OR CABLE TOOLS <b>clean out unit</b>	13. STATE <b>N. M.</b>
22. APPROX. DATE WORK WILL START*		

23. PROPOSED CASING AND CEMENTING PROGRAM <b>Done by Ralph Lowe</b>				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>16"</b>	<b>13-3/8"</b>	<b>48.5</b>	<b>797</b>	<b>1070 cu - circulated</b>
<b>10-3/8"</b>	<b>9-3/8"</b>	<b>42</b>	<b>1657</b>	<b>1900 cu - circulated</b>

Plan to re-enter the Ralph Lowe Yates Federal No. 1.  
Pipe in hole as shown above. Drill cement plug at top and set C. I. B. P. at 4350'  
and put 2 cu of cement on plug. Perf Permo-carb sand at 4200 to 4300' and treat and test.  
If productive, complete in this zone. If not productive set C. I. B. P. @ 4100' and  
perf Queen sand from 4010 to 4040'; treat and test for possible gas well. No new pipe  
will be set in well.

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 L. B. Bullock TITLE Partner DATE 4-30-73  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

**APPROVED**  
MAY 2 1973  
ARTHUR R. BROWN  
DISTRICT ENGINEER