

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"/> <b>RE-ENTER</b> <input type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>NM 6863</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>Durleson &amp; Huff</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>Box 935, Midland, Texas 79701</b>		8. FARM OR LEASE NAME <b>Aradarko</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>660 F. South and 1980 F. West of Section 27, T-18-S, R-32-E, Lea County, New Mexico</b> At proposed prod. zone		9. WELL NO. <b>1</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>8 miles south of Maljamar</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) <b>660 feet</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>27 - T-18-S, R-32-E</b>
16. NO. OF ACRES IN LEASE <b>320</b>		12. COUNTY OR PARISH <b>Lea</b>
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		13. STATE <b>N. M.</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>4150</b>		20. ROTARY OR CABLE TOOLS <b>clean out unit</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>3720 GR</b>		22. APPROX. DATE WORK WILL START* <b>by July 1, 1972</b>

23. PROPOSED CASING AND CEMENTING PROGRAM done by Shell				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8	48.5	753	750 sx - circulated
10 3/4	9 5/8	43.5	4529	1300 sx - circulated

Plan to re-enter the Shell Querecho Plains Unit No. 2.  
Pipe in hole as shown above. Drill cement plug at top and set C. I. B. P. at 4250' and put 2 sx of cement on plug. Perf Penrose sand at 4040' to 4050' and treat and test. If productive, complete in this zone. If not productive set C. I. B. P. @ 4000' and perf Queen sand from 3910 to 3941; 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 [Signature] TITLE Partner DATE June 8, 1972  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

**APPROVED**

JUN 11 1972

\*See Instructions On Reverse Side

J L GORDON  
ACTING DISTRICT ENGINEER

RECEIVED

JUN 20 1972

OIL CONSERVATION COMM.  
HOBOKEN, N. J.