

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

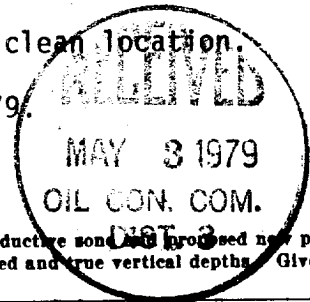
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |   |   |
|--|---|---|
| 1a. TYPE OF WORK<br>DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>   |   | 5. LEASE DESIGNATION AND SERIAL NO.<br>M00-C-1420-1722                    |
| b. TYPE OF WELL<br>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<br>Ute Mtn Tribal                    |
| 2. NAME OF OPERATOR<br>KIMBARK OPERATING COMPANY   |   | 7. UNIT AGREEMENT NAME  |
| 3. ADDRESS OF OPERATOR<br>1860 LINCOLN STREET #808, DENVER, COLORADO 80295   |   | 8. FARM OR LEASE NAME<br>LIZZARD  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>NWNW 695' FNL, 725' FWL<br>At proposed prod. zone   |   | 9. WELL NO.<br>1  |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>10 MILES NORTH OF KIRTLAND, NEW MEXICO  |   | 10. FIELD AND POOL, OR WILDCAT<br>VERDE GALLUP                            |
| 15. DISTANCE FROM PROPOSED*<br>LOCATION TO NEAREST<br>PROPERTY OR LEASE LINE, FT.<br>(Also to nearest drlg. unit line, if any)   | 695   | 11. SEC., T., R., M., OR BLK.<br>AND SURVEY OR AREA<br>SEC 25, T31N, R15W |
| 16. NO. OF ACRES IN LEASE<br>640   | 17. NO. OF ACRES ASSIGNED<br>TO THIS WELL<br>40 | 12. COUNTY OR PARISH<br>SAN JUAN  |
| 18. DISTANCE FROM PROPOSED LOCATION*<br>TO NEAREST WELL, DRILLING, COMPLETED,<br>OR APPLIED FOR, ON THIS LEASE, FT.<br>N.A.  | 19. PROPOSED DEPTH<br>3400                      | 13. STATE<br>NEW MEXICO   |
| 20. ROTARY OR CABLE TOOLS<br>Cable tools   |   | 21. APPROX. DATE WORK WILL START*<br>May 2, 1979                          |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5514 GL  |   |   |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/4"      | 8 5/8"         | 24.00#          | 116' GL       | circ               |
| 7 7/8"       | 5 1/2"         | 14.00#          | 3415'         | 75 sx              |

- Set cmt plug #1 TD 3498' to 3350' - press. test plug
- Perf 1st zone about 3335' & test, if productive complete well; if non-productive, spot cmt plug from 3350' across zone #1 at least 50' to about 3275' - press. test plug.
- Perf 2nd zone about 3150', if productive complete well; if non-productive, spot cmt plug from 3100' to 3200'.
- Run csg free point, shoot off 5 1/2" csg.
- Spot 50' cmt plug across stub (25' in & 25' out).
- 100' cmt plug across top Cliff House at 873' (825' - 925')
- 30-40' cmt plug at sfc in 8 5/8" csg w/std dry hole marker, clean location.
- Contractor: Maness Cable Tool
- Oral approval to foregoing by Mr. Ed Schmidt 4:15 PM 4/30/79.



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. Elliott A. Riggs TITLE Agent DATE 5/1/79  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

- 6 USGS, Durango  
1 EAR  
2 Kimbark  
1 Maness

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, CO.

MAY 2 1979

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