

6-22 N.M. Oil Cons. Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

C/SF

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

| | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> | | | 5. LEASE DESIGNATION AND SERIAL NO. NMLC-029393-A-33432 | |
| 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 Mewbourne Oil Company <i>14744</i> | | | 7. UNIT AGREEMENT NAME <i>25198</i> | |
| 3. ADDRESS AND TELEPHONE NO. P.O. Box 5270, Hobbs, NM 88241 (505) 393-5905 | | | 8. FARM OR LEASE NAME, WELL NO. Fren "8" Federal Com # 5 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2276' FNL & 1471' FEL At proposed prod. zone <i>Unit 8</i> | | | 9. API WELL NO. <i>30-015-32313</i> | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 5 Miles East of Loco Hills | | | 10. FIELD AND POOL, OR WILDCAT North Shugart Morrow | |
| 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest orig. unit line, if any) 1189' | | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.8, T18S, R31E | |
| 16. NO. OF ACRES IN LEASE 320 | | | 12. COUNTY OR PARISH Eddy | |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL 320 | | | 13. STATE NM | |
| 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1406' | | | 20. ROTARY OR CABLE TOOLS Rotary | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3673' GL | | | 22. APPROX. DATE WORK WILL START 05/15/02 | |

| PROPOSED CASING AND CEMENTING PROGRAM | | | | |
|---------------------------------------|-----------------------|-----------------|---------------|---------------------------------|
| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
| 17-1/2" | H40, 13-3/8" | 48# | 625' | 400 sacks Circulate to Surface |
| 12-1/4" | J-55, 8-5/8" | 32# | 4500' | 1100 sacks Circulate to Surface |
| 7-7/8" | N80, 5-1/2" | 17# | 12110' | 600 sacks |

Mewbourne Oil Company proposes to drill this well to a depth sufficient to test the Morrow Formation for the presence of hydrocarbons. If determined to be productive, the well will be equipped with 5-1/2" production casing to total depth. If determined to be nonproductive, the well will be plugged and abandoned in accordance with regulatory guidelines. Specific plans are outlined in the following attachments.

- 1) Location and Elevation Plat (NMOC Form C102)
- 2) Drilling Program
- 3) Surface Use and Operation Plan
- 4) Schematic Diagram of Blowout Preventer and Choke Manifold (Exhibits 2 & 2A)
- 5) Map of existing and Planned Access Road and Location (Exhibit 3 & 3A)
- 6) List of Offset Wells
- 7) Proposed Drilling Rig Layout (Exhibit 5)
- 8) Proposed Production Facilities Layout (Exhibit 6)
- 9) Hydrogen Sulfide Contingency Plan (Exhibit 7)

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

NSL-4740

Caution Controlled Water Basin

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, 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 *Jerry Burke* TITLE Drilling Foreman DATE 04/10/02

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ LESLIE A. THEISS TITLE FIELD MANAGER DATE MAY 16 2002

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPROVAL FOR 1 YEAR