

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN _____ LICATE*
(Other instructions on reverse)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

451

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. NM-63757 |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input 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 Sonat Exploration Company - Midland | | | 7. UNIT AGREEMENT NAME |
| 3. ADDRESS OF OPERATOR 110 W. Louisiana, Su. 500, Midland, Texas 79701 | | | 8. FARM OR LEASE NAME Lotos "C" Federal |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FNL & 660' FEL of Section 9, T-24S, R-31E At proposed prod. zone Same | | | 9. WELL NO. 901 |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles east of Loving, New Mexico | | | 10. FIELD AND POOL, OR WILDCAT Wildcat (Delaware/ Bone Springs |
| 10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330' | | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 9, T-24S, R-31E |
| 16. NO. OF ACRES IN LEASE 360 | | | 12. COUNTY OR PARISH Eddy Co. |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 | | | 13. STATE N.M. |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1st well 9000' | | | 20. ROTARY OR CABLE TOOLS Rotary |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3433' Ground Level | | | 22. APPROX. DATE WORK WILL START* August 1, 1995 |

| 23. PROPOSED CASING AND CEMENTING PROGRAM | | | | | R-111-P Potash |
|---|----------------|-----------------|---------------|-------------------------|----------------|
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT | |
| 14 3/4" | 11 3/4" | 42# WC50 | 670' | Sufficient to circulate | |
| 11" | 8 5/8" | 24 & 32#J-55 | 4300' | Sufficient to circulate | |
| 7 7/8" | 5 1/2" | 17# J-55 | 8450' 9,000' | 2050sx (TIE BACK) | |

The operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil. Specific programs are outlined in the following attachments:

DRILLING PROGRAM
SURFACE USE AND OPERATING PLAN
EXHIBIT A - ROAD MAP
EXHIBIT B - EXISTING WELL MAP
EXHIBIT B-1 ACCESS ROAD AND FACILITIES MAP
EXHIBIT C - LOCATION AND ACREAGE DEDICATION PLAT
EXHIBIT C-1 TOPO MAP
EXHIBIT D - DRILLING AND RIG LAYOUT
EXHIBIT E - 3M BOP EQUIPMENT

RECEIVED

OCT 24 1995

OIL CON. DIV.
DIST. 2

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 K. Glenn Carter TITLE Sr. Drlg. and Prod. Engr. DATE 7/5/95

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY E. G. H. J. Lucco TITLE Asst. Dir. of BLM DATE 10/16/95
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side