

1 OIL CONS COMMISSION
Drawer DD
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TWO COPIES
(Other instructions on reverse side)

30-015-28653 4/5F
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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-69369
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <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 Sotol Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 330' FNL & 380' FEL of Section 1		9. WELL NO. 16322
At proposed prod. zone Same Unit A Lot 1		10. FIELD AND ROOM OR WILDERNESS Mesa Verde Delaware
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 20 miles east of Loving, New Mexico		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 96191
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'		12. COUNTY OR PARISH Eddy Co.
16. NO. OF ACRES IN LEASE 640		13. STATE N.M.
17. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 990'		14. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. PROPOSED DEPTH 9150'		15. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3526' Ground Level		22. APPROX. DATE WORK WILL START September 1, 1995

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	11 3/4"	42# WC50	830'	Sufficient to circulate
11"	8 5/8"	24 & 32# J-55	4450'	Sufficient to circulate
7 7/8"	5 1/2"	17# J-55	9150'	2050sx (TIE BACK)

Secretary's Potash

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

SEP 20 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.

SIGNED K. Glenn Carter TITLE Sr. Drlg. and Prod. Engr. DATE 7/28/95
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY 5/Gilbert J. Lucero TITLE Acting State Director DATE 9-12-95
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side