

Form 3160-3  
(July 1992)

OIL CONSERVATION DIV  
811 S. ST.  
ARTES., NM 88210-2834

SUBMIT IN 1 ICATE\*  
(Other instructions on  
reverse side)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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. NM-69369	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> X GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> X MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Sonat Exploration Company - Midland 109487		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 110 W. Louisiana, Su. 500, Midland, Texas 79701		8. FARM OR LEASE NAME, WELL NO. Sotol Federal # 7	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 1980' FNL of Section 1 ER 13367 At proposed prod. zone Same Unit G Under Cotton Draw; Bone Spring		9. AM WELL NO. 16322 30-015-28865	
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/D.G.)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1930'		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 1, T-24S, R31E	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH 13. STATE Eddy Co. N.M.	
17. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'		14. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. PROPOSED DEPTH 10,000'		15. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3521' Ground Level		22. APPROX. DATE WORK WILL START* 1st quarter -1996	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	11 3/4"	42# WC40	810'	Sufficient to circulate
11"	8 5/8"	24# J-55	4300'	Sufficient to circulate
7 7/8"	5 1/2"	17# N-80	10,000'	2150sx (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 C - LOCATION AND ACREAGE DEDICATION PLAT

EXHIBIT C-1 TOPO MAP

EXHIBIT D - DRILLING AND RIG LAYOUT

EXHIBIT E - BOP EQUIPMENT

IN ABOVE SPACE DESCRIBE PROPOSED 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 K. Glenn Carter TITLE Sr. Drlg. and Prod. Engr. DATE 1/23/96

(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 Frank Splendoria TITLE Acting State Director DATE 2-29-96

\*See Instructions On Reverse Side