

N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-2834

UNITED STATES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

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

0147

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Sonat Exploration Company

915-684-0400

3. ADDRESS AND TELEPHONE NO.

110 W. Louisiana, Su. 500, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)

At surface

660' FNL & 660' FEL of Section 10

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles east of Loving, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

660

16. NO. OF ACRES IN LEASE

1280

17. NO. OF ACRES ASSIGNED

80

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

12,500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3483' Ground Level

22. APPROX. DATE WORK WILL START*

1st quarter -1997

23.

SECRETARY'S POTASH

PROPOSED CASING AND CEMENTING PROGRAM

CARLSBAD CONTROLLED WATER BASIN

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY
14 3/4"	11 3/4"	42# WC-40	670'	Sufficient to circulate
11"	8 5/8"	24# J-55	4,300'	Sufficient to circulate
7 7/8"	5 1/2"	17# N-80, S-95	12,500'	2400sx

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 - 3M

EXHIBIT F - BOP EQUIPMENT - 5M

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

RECEIVED

MAR 10 1997

BLM
ROSWELL, NM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give description of new 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

Drilling Superintendent

DATE 2/11/97

(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

Gilbert J. Lucero

TITLE

Acting State Director

DATE

2/15/97

*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