

## N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-2304 TRIPLE E\*

Form 3160-3  
(July 1992)(Other instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

154903

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

St. Mary Land and Exploration Co.

## 3. ADDRESS AND TELEPHONE NO.

P.O. Box 2726 915)688-0700

c/o Coastal Mgmt Corp. Midland, TX 79707

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

At surface

850 FNL &amp; 1500 FWL

At proposed prod. zone

Lot B

(Unit C)

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

5 miles South/Southeast of Malaga, NM

## 15. DISTANCE FROM PROPOSED\*

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

660

## 16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320

## 19. PROPOSED DEPTH

5100'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

2932 G

## 22. APPROX. DATE WORK WILL START\*

Post ID-1  
11-12-99  
API & Loc

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	550 ±	310 sxs Class "C"
7-7/8"	5-1/2"	15.5#	5100 ±	1535 sxs Class "C"

Pre-set conductor casing as necessary to preclude sloughing/caving of surface materials. Drill 12-1/4" hole to 550-575' w/FW mud. Run 8-5/8" casing and cement to surface. Install BOP stack consisting of 2 rams, and a bag type annular, test to WP before drilling out. Drill 7-7/8" hole to 4700'± w/10# brine. RU mud logger, mud up to control water loss, drill thru Gemstone and "C" sands of Brushy Canyon (Delaware) sandstone. Run electric logs, and if appropriate run 5-1/2" casing to TD and cement to surface using multiple stage cementing tool if required.

NSL -

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

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 Otto SvendsenTITLE Operations Engineer

DATE

12/1/99

(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:

(ORIG. SCD.) ARMANDO A. LOPEZ

Acting Assistant Field Office Manager.  
Lands and Minerals

NOV 03 1999

APPROVED BY

TITLE

DATE

\*See Instructions On Reverse Side

APPROVED FOR 1 YEAR