

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY****APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Enserch Exploration, Inc.

## 3. ADDRESS OF OPERATOR

1230 River Bend Drive - Suite 136 - Dallas, TX 75247-4995

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

At surface

660' FNL & 1980' FEL (C-NW $\frac{1}{4}$ -NE $\frac{1}{4}$ )

At proposed prod. zone

Same

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

8 miles East of Elida, New Mexico

OIL & GAS  
U.S. GEOLOGICAL SURVEY

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660'

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1320'

## 16. NO. OF ACRES IN LEASE

520

## 19. PROPOSED DEPTH

8300'

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

80

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4410.5' GR

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

January 1, 1982

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	350'	460 sx - Circulate to surface
12-1/4"	9-5/8"	36#	2000'	995 sx - Circulate to surface
8-3/4"	5-1/2"	15.5# & 17.0#	8300'	700 sx - Cement to 6250'

Propose to drill a 17-1/2" hole to 350', set 13-3/8" surface casing and cement to surface. A 13-3/8", 3000 psi bradenhead and a 12", 3000 psi annulus preventer will be installed and tested before drilling the intermediate hole. Drill a 12-1/4" hole to 2000', set 9-5/8" intermediate casing and cement to surface. The 13-3/8" bradenhead will be removed and a 9-5/8", 3000 psi bradenhead and 12", 3000 psi double hydraulic BOP's installed. Drill an 8-3/4" hole to 8300', log, evaluate, and set 5-1/2" production casing at T.D. This is a Mississippian Lime test.

## EXHIBITS ATTACHED

A. Location and Elevation Plat

B. Ten-Point Compliance Program

C. Blow-Out Preventer Diagram

D. Multi-Point Requirements for A.P.D.

E. Access Road Map

F. Radius Map of Existing Wells

G. Drill Rig Layout and Cross Sections

H. Archeological Clearance Report

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

C. H. Peeples

TITLE Regional Drilling Manager

DATE 11-18-81

(This space for Federal or State office use)

APPROVED

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

JAN 15 1982

JAMES A. GILLHAM

DISTRICT SUPERVISOR

APPROVAL DATE

APPROVAL SUBJECT TO

TITLE GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

DATE

\*See Instructions On Reverse Side