

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

Amoco Production Company

## 3. ADDRESS OF OPERATOR

P. O. Box 68 Hobbs, NM 88240

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

At surface

At proposed prod. zone 1592' FNL &amp; 444' FEL, Sec. 4

(Unit H, SE/4 NE/4)

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

4 miles West of Carlsbad, NM

## 15. DISTANCE FROM PROPOSED\*

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

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

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

3603.8 GL

## 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#	700'	Circ to surf
12-1/4"	9-5/8"	40#	2900'	Circ to surf
8-3/4"	5-1/2"	17#, 20#, 23#	11700'	Tie back to 9-5/8"

Propose to drill and equip well in the Morrow formation. After reaching TD logs will be run and evaluated; perforate and stimulate as necessary in attempting commercial production.

MUD PROGRAM: 0'-700' Native mud and fresh water.  
700'-2900' Native mud and brine water.  
2900'-TD Commercial mud and brine with minimum properties for safe hole conditions. Raise viscosity prior to Morrow penetration.

BOP Program Attached.

Archaeological survey attached (for Original location)

Gas is not dedicated.

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

Bob Davis

TITLE

Admin. Analyst

DATE

7-8-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

GEORGE H. STEWART

TITLE

DATE

OCT 09 1980

CONDITIONS OF APPROVAL, IF ANY:

0+5-USGS, A

1-Hou

1-Susp

1-BD

1-Burlington Northern

1-Read &amp; Stevens

1-Holly Energy

\*See Instructions Or Reverse Side