

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other instructions on  
reverse side)

## 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

1980 FSL &amp; 660 FWL, Sec 24

At proposed prod. zone

Unit L, NW/4 SW/4

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

24.5 miles west of Jal, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

## 16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

## 19. PROPOSED DEPTH

15,500

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3335.3 GR

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

8-1-79

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65#	1000'	Circ to Surf
14-3/4"	10-3/4"	40.5#	5000'	Circ to Surf
9-1/2"	7-5/8"	26.4#	12600'	Tie back to 10-3/4"
6-1/2"	5" liner	15#	15500'	Tie back to 7-5/8"

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

Mud Program: 0 - 1000'  
1000' - 5000'  
5000' - 12600'  
12600' - TD

Native mud and fresh water  
Native mud and brine  
Commercial mud and cut brine  
Commercial mud and brine w/minimum properties  
for safe hole conditions. Raise viscosity  
prior to Morrow penetration.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

Archaeological Survey Attached

BOP Program Attached

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

*Ray Cox*

TITLE

Administrative Supervisor

DATE

7-20-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

0+5- USGS-H, 1-Hou, 1- Susp, 1- BD

\*See Instructions On Reverse Side

APPROVED  
AS AMENDEDAUG 14 1979  
*James F. Sims*  
JAMES F. SIMS  
DISTRICT ENGINEER

AUG 21 1973

O.C.D. HOBBS, OFFICE