

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

Convert to  
InjectionSINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Amoco Production Company

## 3. ADDRESS OF OPERATOR

P. O. Box 58, Hobbs, NM 88240

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

At surface

1650' FNL &amp; 1652.3' FWL, Sec. 29

At proposed prod. zone (Unit F, SE/4 NW/4)

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

4 miles west and 3 miles south Milnesand, NM

## 15. DISTANCE FROM PROPOSED\*

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

4218 RDB

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	Existing casing not	altered		

Propose to convert well to an injection well using the following procedure:

Deepen from 4716'-4755'. Perforate 4674'-4687', 4706'-4712' with 2 JSPF. If log shows porosity over 4712'-4716' will perf with 2 JSPF. Run tubing, treating packer, and tailpipe. Tailpipe set at 4750'. Acidize with 4310 gal 15% NEFE HCL acid and 300# rock salt in 350 gal. gelled brine. Flush with 23 bbl fresh water. Swab backload until well cleans up. Pull tubing and treating packer. Run plastic coated tubing and injection packer. Packer set at 4660'. Rig up surface quipment. Load annulus with casing fluid consisting of fresh water and 10 gal/100 bbl Wellaid 840 and 2 gal/100 bbl Wellaid 872. Starting injection pressure not to exceed 750 psi.

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

10-18-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

0+4-USGS,H

1-Hou

1-Susp

1-BD

\*See Instructions On Reverse Side

## 5. LEASE DESIGNATION AND SERIAL NO.

NM-0145685

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Horton Federal

## 9. WELL NO.

25

## 10. FIELD AND POOL, OR WILDCAT

Milnesand San Andres

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

29-8-35

## 12. COUNTY OR PARISH

## 13. STATE

Roosevelt

NM

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

-

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

APPROVED

DATE

JAN 14 1980  
*CR Hall*  
ACTING DISTRICT ENGINEER