

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 68, Hobbs, NM 88240

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

At surface

At proposed prod. zone 1650' FNL & 990' FEL, Sec. 29  
(Unit H, SE/4 NE/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.)

4213 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 4732'-4770'. Perforate 4709'-4728' with 2 JSPF. If log shows porosity 4728'-2732' will perf with 2 JSPF. Run tubing, treating packer and tailpipe. Tailpipe at 4765'. Acidize with 4000 gal. 15% NEFE HCL acid and 500# rock salt in 600 gal. gelled brine. Flush with 23 bbl. fresh water. Pull tubing and treating packer. Run plastic coated tubing and injection packer. Packer set at 4660'. Rig up surface equipment. Load annulus with casing fluid consisting of fresh water with 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 Admin. Supervisor DATE 10-18-79

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

TITLE \_\_\_\_\_

APPROVED

JAN 04 1980

ACTING DISTRICT ENGINEER

C+4-NMOCD,H 1-Hou 1-Susp 1-BD

\*See Instructions On Reverse Side



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

November 26, 1979

RECEIVED

DEC 7 1979 POST OFFICE BOX 2046  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504

U. S. GEOLOGICAL SURVEY (505) 827-2434  
HOBBS, NEW MEXICO

Amoco Production Company  
P. O. Box 68  
Hobbs, New Mexico

Re: Administrative Order PMX No. 76

Gentlemen:

Enclosed herewith please find Order PMX No. 76 to expand  
your Waterflood Project in the Milnesand San Andres Pool in  
Roosevelt County, New Mexico.

Very truly yours,

  
JOE D. RAMEY  
Division Director

CDR/MH/og

cc: Oil Conservation Division  
Box 1980  
Hobbs, New Mexico

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File: Lease File

Horton Fed. Lse.

APPLICATION OF AMOCO PRODUCTION  
COMPANY TO EXPAND ITS WATER FLOOD  
PROJECT IN THE MILNESAND SAN ANDRES  
POOL IN ROOSEVELT COUNTY, NEW MEXICO.

ORDER PMX NO. 76

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-3456, Amoco Production Company has made application to the Division on November 6, 1979, for permission to expand its Milnesand Horton Pressure Maintenance Project in the Milnesand San Andres Pool in Roosevelt County, New Mexico.

NOW, on this 26th day of November, 1979, the Division Director finds:

1. That application has been filed in due form.
2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
3. That no objection has been received within the waiting period as prescribed by Order No. R-3456.
4. That the proposed injection well is eligible for conversion to water injection under the terms of Order No. R-3456.
5. That the proposed expansion of the above referenced pressure maintenance project will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Amoco Production Company, be and the same is hereby authorized to inject water into the San Andres formation through plastic-lined tubing set in a packer at approximately 4610 feet in the following described wells for purposes of secondary recovery, to wit:

Horton Federal Lease Well No. 12 in Unit N of Section 30,  
Township 8 South, Range 35 East, NMPM, Roosevelt County,  
New Mexico;

Horton Federal Lease Well No. 15 in Unit P of Section 30,  
Township 8 South, Range 35 East, NMPM, Roosevelt County, New Mexico

Horton Federal Lease Well No. 25 in Unit F of Section 29, Township  
8 South, Range 35 East, NMPM, Roosevelt County, New Mexico

Horton Federal Lease Well No. 29 in Unit H of Section 29, Township  
8 South, Range 35 East, NMPM, Roosevelt County, New Mexico,

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That the injection well or system shall be equipped with a pop-off valve

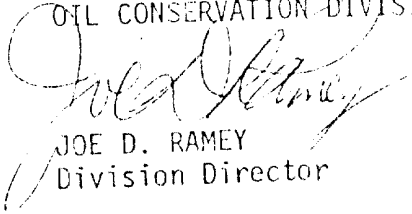
or device which will limit the wellhead pressure to a maximum of 935 pounds per square inch; provided however that the Division Director may administratively authorize a pressure limitation in excess of the above upon the operator's establishing that such higher pressure will not result in fracturing of confining strata.

That the operator shall notify the supervisor of the Division's Hobbs District Office before injection is commenced through said well;

That the operator shall immediately notify the Supervisor of the Division's Hobbs District Office of the failure of the tubing, casing, or packer in said well or the leakage of water from or around said well and shall take such steps as may be timely or necessary to correct such failure or leakage.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
JOE D. RAMEY  
Division Director

S E A L