

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

990' FSL & 928.75' FEL, Sec. 30 NOV 1 1979

At proposed prod. zone (Unit P SE/4 SE/4)

U. S. GEOLOGICAL SURVEY

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* HOBBS, NEW MEXICO

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)

16. NO. OF ACRES IN LEASE

-

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

-

20. ROTARY OR CABLE TOOLS

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

4221 RDB

22. APPROX. DATE WORK WILL START*

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 to an injection well using the following procedure:

Run a cast iron bridge plug set at 4810' and cap with 2 SX Class C cement. Perforate 4672'-4690', 4736'-4752' with 2 JSPF. Run tubing, treating packer, and tailpipe. Tailpipe set at 4760'. Acidize with 5000 gal. 15% NEFE HCL acid and 300# rock salt in 350 gal gelled brine. Flush with 24 bbl. fresh water. Swab backload until well cleans up. Pull tubing and treating packer. Run plastic coated tubing and injection packer set at 4610'. Load annulus with casing fluid consisting of fresh water and 10 gal/100 bbl Wellaid 840 and 2 gal/100 bbl

Wellaid 872. Rig up surface equipment. 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

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.

15

10. FIELD AND POOL, OR WILDCAT

Milnesand San Andres

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

30-8-35

12. COUNTY OR PARISH

Roosevelt

13. STATE

NM



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

November 26, 1979

RECEIVED

DEC 3 1979 POST OFFICE BOX 2047
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

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
JOE D. RAMEY
Division Director

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File: Lease File

HORTON Fed. Lse.

JDR/MH/og

cc: Oil Conservation Division
Box 1980
Hobbs, New Mexico

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.

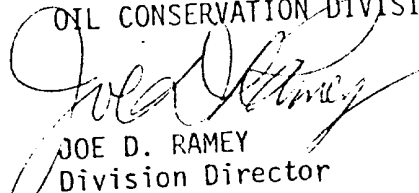
That the injection well or system shall be equipped with a pop-off valve

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