



Amoco Production Company (USA)

Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

January 6, 1984

File: SJ0-34-WF

Re: Application For Authorization To Inject
State A No. 37
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Attn: Mr. Richard L. Stamets

Gentlemen:

Amoco Production Company hereby makes application for administrative approval to expand its South Hobbs (GSA) Unit Pressure Maintenance Project. Forms C-108 and necessary documentations are attached. The wellbore of State A No. 37 has been purchased by South Hobbs (GSA) Unit and our plans are to recomplete this well from the Drirkard to the Grayburg-San Andres formation. When this work is completed, it will be renamed South Hobbs (GSA) Unit No. 170 and equipped for injection. Your prompt consideration of this application will be appreciated.

If additional information is needed, contact Charles Herring (505)393-1781.

Yours very truly,

S. J. Okerson #12

Attachments

January 6, 1984
File: SJ0-34-WF
Page 2

cc: State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87501

Mrs. George L. New
P. O. Box 580
Hobbs, NM 88240

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 1980
Hobbs, NM 88240



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: AMOCO PRODUCTION COMPANY
Address: P. O. Box 68, Hobbs, NM 88240
Contact party: Mr. John M. Breeden Phone: (505) 393-1781
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-4934
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Charles M. Herring Title: Administrative Analyst
Signature: Charles M. Herring Date: January 6, 1984
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. August 17, 1983, Order No.s R-4934-B and R-4934-C copy

attached.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

1. _____

Robert L. Summers

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a supplement thereof for a period

of _____
One day
_____ ~~1984~~

Beginning with the issue dated
January 4, 19 84

and ending with the issue dated
January 4, 19 84

Robert L. Summers
Publisher.

Sworn and subscribed to before

me this 5 day of

January, 1984
Jane Paulowsky
Notary Public.

My Commission expires _____

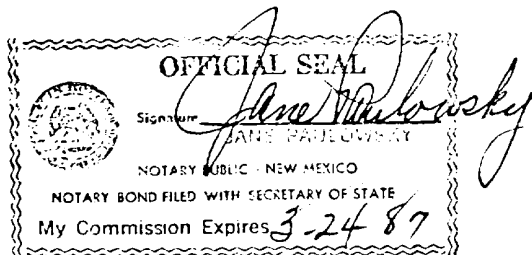
3-24, 1987
(Seal)

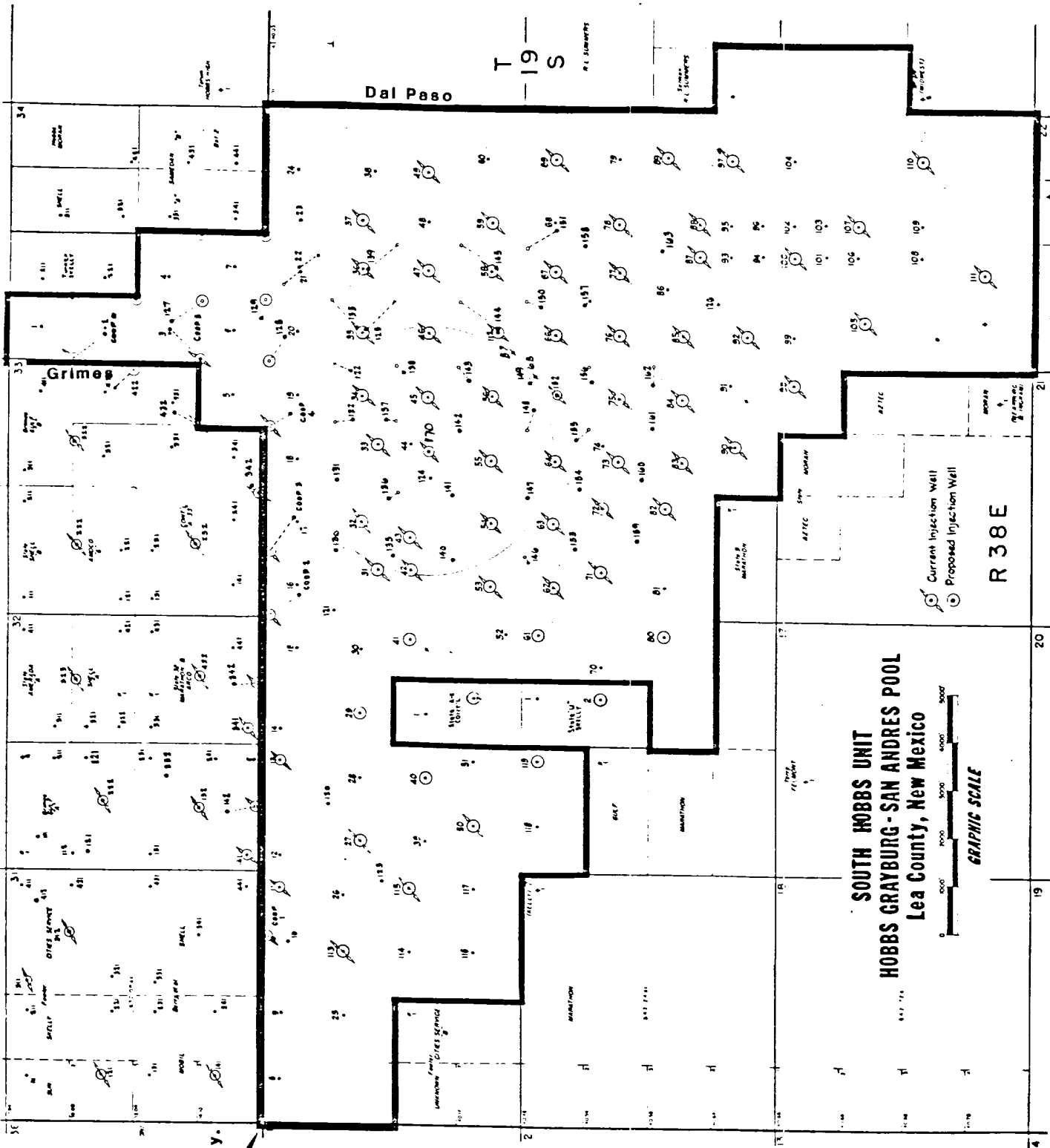
This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE

JANUARY 4, 1984

To Whom It May Concern:
Amoco Production Company has applied to the NMOCD for administrative approval to drill 3 water injection wells and to convert 1 oil well to a water injection well. The 3 wells to be drilled will be located in Section 9 and 10, Township 19-South, and Range 38-East, Lea County, New Mexico. The well to be converted is located in Section 4, Township 19-South, and Range 38-East, Lea County, New Mexico. The purpose of this work is to expand the pressure maintenance operations of our South Hobbs (GSA) Unit. Water will be injected into the Grayburg-San Andres Formation at an average rate of 800 BWIPD with an average injection pressure of 500 psi. Any questions concerning this project may be directed to Mr. John M. Breeden, District Foreman, Amoco Production Company, P. O. Box 68, Hobbs, NM 88240, Phone: (505) 393-1781. Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501, within 15 days.





CARLSBAD HWY.

SOUTH HOBBS UNIT
HOBBS GRAYBURG-SAN ANDRES POOL
Lea County, New Mexico

GRAPHIC SCALE

State "A" No. 37

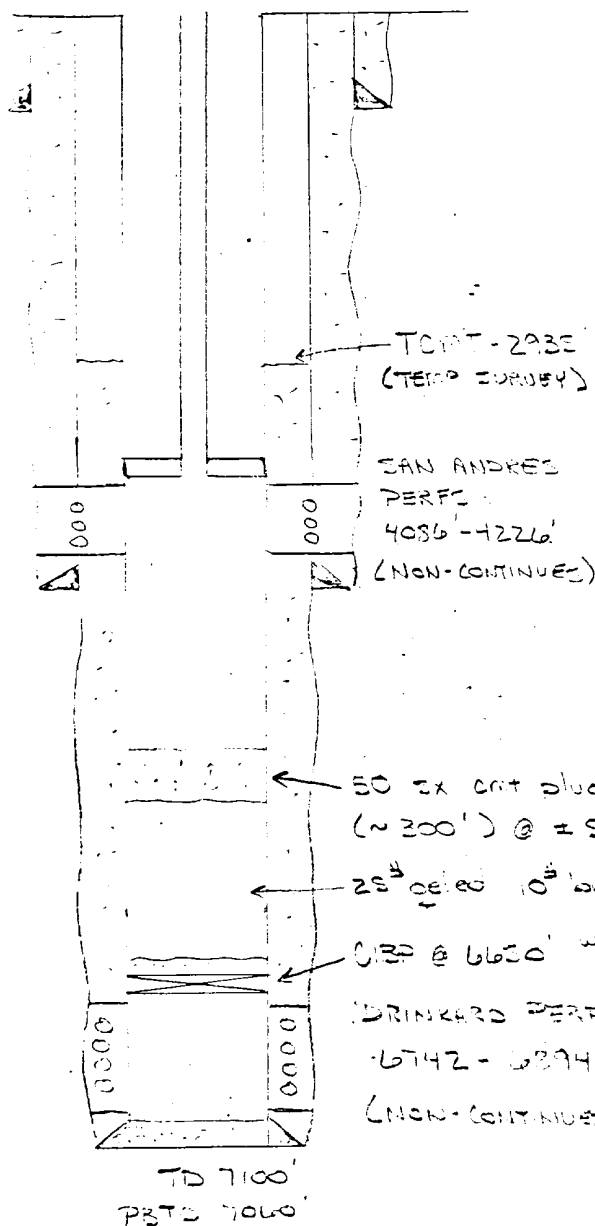
VII.

1. Average 800 BWIPD Maximum 1200 BWIPD
2. Closed System
3. Average 500 psi Maximum 830 psi (.2PSI/FT. max.)
4. Reinjecting produced water.
5. Reinjecting into produced zone.

INJECTION WELL DATA SHEET

AMOCO PRODUCTION STATE 'A'
 OPERATOR LEASE
37 1920 FSLX 1832 FEL 4 19S 38E
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Tabular Data

Surface Casing

Size 13 3/8" " Cemented with 450 sx.
 TOC CIRCULATED feet determined by _____
 Hole size 17 1/2" x 395'

Intermediate Casing

Size 9 5/8" " Cemented with 1000 sx.
 TOC CIRCULATED feet determined by _____
 Hole size 12 1/4" x 4302'

Long string

Size 7" " Cemented with 700 sx.
 TOC 2935 feet determined by TEMP SURVEY
 Hole size 8 3/4" x 7100'
 Total depth 7100

Injection interval

4086' feet to 4226' feet
 (perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with PLASTIC set in a
 (material)
BAKER LOK-TEST packer at 3950 feet
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation SAN ANDRES
- Name of Field or Pool (if applicable) HOBBS
- Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? _____

DRINKARD OIL PRODUCTION - INTERVAL 6742' - 6894'.

- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

DRINKARD - INTERVAL 6742' - 6894' - CAST IRON BRIDGE PLUG
SET AT 6650 AND CAPPED WITH 35' OF CEMENT.

- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

BOWERS - 3132

~~OFFICE~~

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JAN 10 1984
O.C.D.
HOBBS OFFICE