

Case 8708

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☒ no
- II. Operator: Dwight A. Tipton
Address: c/o Oil Reports & Gas Service, Inc., P. O. Box 755, Hobbs, NM 88241
Contact party: R. W. Gallini Phone: 396-5303
- 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 _____.
- 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: Donna Holler Title Agent
Signature: Donna Holler Date: August 14, 1985
- * 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.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

APPLICATION FOR AUTHORIZATION
TO CONVERT TO DISPOSAL WELL

Dwight A. Tipton - Leavelle No. 1

ITEM III. A. Well Data - For Schematic see Exhibit A

- (1) Leavelle No. 1, 660' FNL & 1980' FEL of Section 23, T16S, R35E
- (2) Casing:
 - 13 3/8" set at 423' with 500 sacks, circulated
 - 8 5/8" set at 4260' with 1400 sacks, circulated
 - 5 1/2" set at 12,160 with 500 sacks, top of cement 9275 calculated
- (3) Tubing: 2 3/8" EUE plastic line
- (4) Packer: Model "D" drillable

ITEM III. B. Additional Well Data

- (1) Pool and Formation: North Shoe Bar Wolfcamp
- (2) Proposed Injection Interval: Perforations 10,082 to 10,308
- (3) Purpose of Well: Drilled for production
- (4) Depths of Perforated Intervals:
 - Miss. perfs 12,090 to 12,102
 - CIBP @ 12,050, cap with 30' cement
 - Morrow perfs 11,932 to 11,949
 - Squeezed with 40 sacks cement
 - CIBP @ 11,800, cap with 30' cement
 - Morrow perfs 11,676 to 11,684
 - CIBP @ 11,250, cap with 20' cement
 - Wolfcamp perfs 10,298 to 10,308
 - Additional proposed perfs for injection: 10,082-088, 10,121-131 and 10,135-145 with 4 shots per foot
- (5) Next higher zone of production (above Wolfcamp): Abo at 8225
Next lower zone of production (below Wolfcamp): Morrow at 11,625

ITEM V. Map of Area with Radius of Review - see Exhibit B

ITEM VI. Well Data - All Wells in Area of Review

Elk Oil Company - Mesa State No. 1
1930' FSL & 1880' FEL of Section 14, T16S, R35E
Spud 2/21/84, Complete 5/10/84, Type: Oil Well
Casing: 13 3/8" @ 507 with 525 sacks
8 5/8" @ 4400 with 1900 sacks
5 1/2" @ 10,600 with 350 sacks
TD 10,600, PBD 10,560
Perf: Wolfcamp 10,434 to 10,442
Potential: Pump 44 bbls oil, no water, 24 hours

No plugged wells in area of review

*Infomater
on Cement top in
this well?*
Calc. TOC 8400.

ITEM VII. Data on Proposed Operation

1. Average daily volume of fluids to be injected: 600 barrels
Maximum daily volume of fluids to be injected: 1,000 barrels
2. Type System: Closed
3. Average injection pressure: Treatment record of injection zone indicates that well will take water on a vacuum
Maximum injection pressure: Not to exceed 1,000 psi
4. Source of injection fluid: All water in general area requested to be hauled and disposed by Gandy Corporation
Analysis and compatibility: See Exhibits C thru G for water analysis for Abo, Devonian, San Andres and Lower Wolfcamp formations producing in the Hobbs and Lovington area. For compatibility see Exhibit H for water analysis of Shoe Bar Wolfcamp water production.

ITEM VIII. Geological Data - Injection Zone and Fresh Water

Name: Wolfcamp
Depth 9686 feet
Thickness: 650 feet
Lithologic Detail: Limestone, white to tan, crystalline, dolomite streaks
Source of Drinking Water: Ogallala
Depth to Bottom: 150 feet

ITEM IX. Stimulation Program

Treat with 12,000 gallons 15% NEFE acid

ITEM X. Logs filed by U. S. Operating, Inc. on December 18, 1980
Last Test: 10/2/83 Pump 3 bbls oil, 2 bbls water, 6 MCF gas, 24 hours

ITEM XI. Fresh Water Wells

Water well No. 1 is located approximately 1/2 mile east in NW/4 NW/4 of Section 24, T16S R35E. Water well No. 2 is located at Leavelle ranch house, approximately 1/2 mile southeast. See Exhibit I for water analysis.

ITEM XII. All geological and engineering data acquired on the area since the discovery of production would indicate that there are no open faults or other hydrologic connection between the proposed injection zone and any fresh water source in the area.

ITEM XIII. Proof of Notice

See Exhibit J for certified mail receipts to:

Earl Leavelle
522 West Avenue B
Lovington, NM 88260

R. M. Edsel
9400 No. Central Expressway S-1212
Dallas, Texas 75231

J. M. Huber Corporation
1900 Wilco Building
Midland, Texas 79701

Inexco Oil Company
700 Louisiana
Houston, Texas 77002

Mesa Petroleum Company
1000 Vaughn Building
Midland, Texas 79701

Monsanto Company
One First City Center
Midland, Texas 79701

Yates Petroleum Corporation
207 South 4th
Artesia, NM 88210