

# Braden-Deem, Inc.

SUITE 1250, 125 NORTH MARKET • WICHITA, KANSAS 67202 • (316) 265-1731

*Oil and Gas Production  
Lease Operations and Engineering  
Cable-tool Rigs*

September 27, 1984

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

Re: State DB #6 Well  
SW SW Sec 25-7S-33E  
Chaveroo Field  
Roosevelt County, New Mexico

Attention: Mr. Gilbert Quintana:

Enclosed, as per our telephone conversation, is Application for Authorization to Inject for Secondary Recovery for our State DB #6 well.

We assumed this Application would qualify for administrative approval as Marathon is injecting into their State #1, SW NE Sec 36-7S-33E. This well is injecting water into the San Andres thru perforations 4163-4460. However, you have stated that this Application must be set for Hearing. Please set this hearing for as soon as possible after November 2, 1984.

We have sent a copy of this application to the following agencies and offset operators in the area. Enclosed are receipts for registered mail.

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


Commissioner of Public Lands  
P.O. Box 1148  
Santa Fe, New Mexico 87504

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Wiser Oil Company  
905 Oil and Gas Building  
Wichita Falls, Texas 76301

Stringer Oil & Gas  
Box 3037  
San Angelo, Texas 76902

Marathon Oil Company  
P.O. Box 2409  
Hobbs, New Mexico 88240



Doy C. Beem

DCD: tyt

Encl.

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage  
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Braden-Deem, Inc.  
Address: Suite 1250 - 125 N. Market, Wichita, Ks 67202  
Contact party: Doy C. Deem Phone: (316) 265-1731
- 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 Marathon Oil Co. Well.
- 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. State #1 SW NE Sec 36-7S-33E
- 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.

IV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Doy C. Deem Title: President

Signature: [Signature] Date: September 27, 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.