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Santa Fe, New Mexico 87504-2265

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April 11, 1986

Mr. Richard L. Stamets  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504

Re: Eastland Oil Company  
Application to Amend Division Order R-8165  
Power Grayburg Waterflood Project

RECEIVED  
APR 11 1986  
OIL CONSERVATION DIVISION

File 8895

Dear Mr. Stamets:

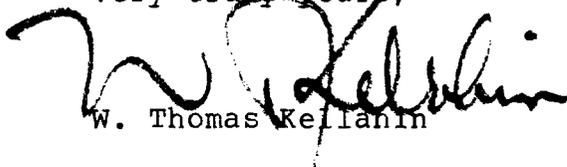
On behalf of Eastland Oil Company on April 1, 1986, we filed an administrative application to have the location of certain injection wells changed and to amend Division Order R-8165 which originally approved this waterflood project.

We have been advised by Mr. Stogner, of the Division, that he desires that the administrative application be set for an Examiner hearing on May 14, 1986.

In accordance with that desire, please consider this letter our written application to have this matter heard on May 14, 1986.

By copy of this letter we are notifying all offset operators and surface owners at injection well locations that this case will be heard at the May 14, 1986, hearing and that they may appear at this hearing and participate if they desire. All said parties previously have received a copy of the C-108 and attachments.

Very truly yours,

  
W. Thomas Kellahin

WTK:ca

cc: Bureau of Land Management  
Roswell District Office  
P. O. Box 1397  
Roswell, New Mexico 88201

KELLAHIN and KELLAHIN

Mr. Richard L. Stamets  
April 11, 1986  
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Anadarko Production Company  
P. O. Box 2497  
Midland, Texas 79702

Amoco Production Company  
P. O. Box 68  
Hobbs, New Mexico 88240

APCO Production Company  
80 Sierra Cr., C. R. 240  
Durango, Colorado 81301

ARCO Oil & Gas Company  
P. O. Box 1610  
Midland, Texas 79702

Belnorth Petroleum Corporation  
One Petroleum Center, Bldg. 6  
3300 N. "A" Street  
Midland, Texas 79705

Cal-Mon Oil Company  
P. O. Box 2066  
Midland, Texas 79702

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Northern Natural Gas Company  
One Petroleum Center, Bldg. 6  
3300 N. "A" Street  
Midland, Texas 79705

Pogo Producing Company  
Box 10340, 300 Midland Tower  
Midland, Texas 79702

Union Texas Petroleum Corporation  
Division of Allied Chemical Corporation  
P. O. Box 200128  
Houston, Texas 77216

Harvey E. Yates Company  
P. O. Box 1933  
Roswell, New Mexico 88201

OCD - District II  
P. O. Drawer DD  
Artesia, New Mexico 88210

Case 887

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose:  Secondary Recovery  Pressure Maintenance  Disposal  Storage  
Application qualifies for administrative approval?  yes  no
- II. Operator: The Eastland Oil Company  
Address: P.O. Drawer 3488, Midland, Texas 79702  
Contact party: George D. Neal Phone: 915/683-6293
- 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-8165.
- 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: George D. Neal Title Vice President  
Signature: *George D. Neal* Date: March 18, 1986
- \* 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. Hearing on December 18, 1985; Case No. 8786  
and Case No. 8787. (Unitization and Waterflood).

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

## 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.

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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.

R-30-E

R-31-E

Amoco

No. Nat. Gas

Cal - Mon, etal

H.E. Yates

State

U.S.

State

Eastland

Eastland

Eastland

Eastland

1

6

3

2

1b

1a

4

3

2

3

2

2



Kenwood - Fed

Allied - Fed

Arco - Fed

Pogo Prod.

Apco  
HBP

Sibyl - Fed

Belnorth, etal

U.S.

Belnorth, etal

U.S.

Amoco

# POWER GRAYBURG (FEDERAL) UNIT

Eddy County, New Mexico  
EASTLAND OIL COMPANY



3 Tract No.



Injection Well



T 18 S