

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :  
ARCHIE M. SPEIR, UNIT OPERATOR, FOR :  
A WATERFLOOD PROJECT, SOUTH RED LAKE :  
POOL, EDDY COUNTY, NEW MEXICO :

No. 3212

APPLICATION

COMES ARCHIE M. SPEIR, by his attorneys, Losee and  
Stewart, and states:

1. Pursuant to the terms of the South Red Lake Grayburg  
Unit Agreement and Unit Operating Agreement, the applicant is  
designated as operator of the Premier Sand of the Grayburg  
formation underlying the following lands in Eddy County, New  
Mexico, comprising the project area covered by this application,  
to-wit:

Township 17 South, Range 27 East, N.M.P.M.

Section 35: E/2, E/2 W/2,

Section 36: SW/4 NE/4, NW/4, W/2 SW/4

Township 17 South, Range 28 East, N.M.P.M.

Section 1: NW/4 NW/4

Section 2: NE/4, NE/4 NW/4

2. There is attached hereto by reference made a part  
hereof, a plat showing the location of the proposed injection  
wells and the location of all other wells and lessees adjoining  
the proposed project area.

3. The applicant proposes to inject water into the  
producing Premier Sand of the Grayburg Formation in the follow-  
ing wells located within the project area, to-wit:

- ✓ Wright Oil Co., Ltd. Harbold No. 15 Well, located in the SE/4 NW/4 Section 35,
- ✓ Wright Oil Co., Ltd, Harbold No. 7 Well, located in the SE/4 NE/4 Section 35,
- ✓ Rutter & Wilbanks Magruder No. 2 Well, located in the SW/4 NW/4 Section 36,
- ✓ Carper Drilling Co., Magruder No. 8 Well, located in the NW/4 SE/4 Section 35,
- ✓ Carper Drilling Co., Magruder No. 7 Well, located in the NE/4 SE/4 Section 35,
- ✓ J. E. Bedingfield, Delhi No. 11 Well, located in the NW/4 SW/4 Section 36,
- ✓ Wright Oil Co., Ltd., Harbold No. 8 Well, located in the NE/4 NE/4 Section 35,
- ✓ J. E. Bedingfield, State-E-8318 No. 1 Well, located in the SE/4 NW/4 Section 36,
- ✓ Carper Drilling Co., Magruder No. 9 Well, located in the NE/4 SW/4 Section 35,
- ✓ Carper Drilling Co., Russell No. 1 Well, located in the SE/4 SW/4 Section 35,
- ✓ Carper Drilling Co., Russell No. 4 Well, located in the SW/4 SE/4 Section 35,
- ✓ J. E. Bedingfield State E-379, No. 3 Well located in the SW/4 SW/4 Section 36,
- ✓ Carper Drilling Co., State A No. 1 Well, located in the NE/4 NW/4 Section 2,
- ✓ Carper Drilling Co., Wright State No. 1 Well, located in the NW/4 NE/4 Section 2,
- ✓ Atlantic Refining Co., State No. 1 Well, located in the NE/4 NE/4 Section 2,
- ✓ Wright Oil Co., Ltd., Hill No. 3 Well, located in the NW/4 NW/4 Section 2,
- ✓ Rutter & Wilbanks, Hudson No. 1 Well, located in the SW/4 NE/4 Section 2,
- ✓ Atlantic Refining Co., Turner No. 1 Well, located in the SE/4 NE/4 Section 2,

4. That all of the wells within the project area have reached the advanced or "stripper" state of depletion

and applicant proposes to inject water into the producing Premier Sand of the Grayburg Formation at the rate of approximately 250 barrels per day under a pressure of approximately 1200 psi to stimulate the production of oil from the producing wells in the project area.

5. There are no electric logs in existence on any of the proposed injection or producing wells within the project area but applicant does attach hereto and by reference make a part hereof, the Grayburg section of a log of the Carper-Sively-Empire joint account Magruder No. 13 Empire Abo Well, located in the SE/4 SE/4 of said Section 35.

6. There is attached hereto, and by reference made a part hereof, a schematic diagram of all of the eighteen proposed injection wells. Applicant proposes to inject water through either the casing or tubing,

7. Caprock Water Company will furnish the water for this project from its wells in the Red Lake area or the Caprock area or applicant will secure water from some other commercial source.

8. That applicant will conduct said waterflood project under the allowable provisions of Rule 701 of the New Mexico Oil Conservation Commission.

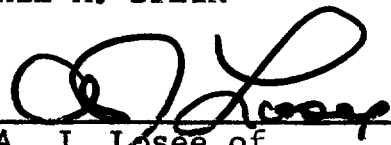
9. The approval of this waterflood project will be in the interest of conservation and will prevent waste, and protect correlative rights.

10. That a copy of this application and all exhibits attached hereto have simultaneously been sent to the State Engineer's Office, Attention Mr. Frank Irby, Capitol Building Santa Fe, New Mexico, certified mail, return receipt requested.

WHEREFORE, applicant prays that an order be entered authorizing the institution of the aforesaid waterflood project and for such other relief as may be just in the premises.

ARCHIE M. SPEIR

By

A handwritten signature in black ink, appearing to read 'A. J. Losee', is written over a horizontal line.

A. J. Losee of  
Losee and Stewart  
Attorneys at Law  
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