

APPLICATION FOR WATER FLOODING OF PRODUCTNG FORMATION

Carl 1610

To: New Mexico Oil Conservation Commission Santa Fe, New Mexico

February 10, 1959

Application for an Order to include: (1) Authority of Install and Operate a Flood, (2) Granting Full Capacity Flood Allowable and (3) Exception to Spacing Rules for Proposed Injection Wells Nos. 6, 7, 9, 10 and 11, which locations are unorthodox, is herein submitted in triplicate as follows:

1.	Name	of	Flood:	Wills					
	Name	of	Field:	Rhodes					
	Name	of	Lease Owner:	Wood River Oil & Refining Co., Inc.					
				321 West Douglas, Wichita, Kansas					

2. Description of Leases:

. . . .

U.S. SERIAL NO.	LEGAL DESCRIPTION	DATE OF LEASE	ACRES
IC 050107 (b)	Lot 1, Sec. 34	12-19-38	32 .74
LC 050107 (a)	NE/4 NE/4, Sec. 34; Lots 2, 3, 4; N/2 NW/4; NW/4 NE/4 Sec. 35 All in T-26S, R-37E Lea County, New Mexico	12-1-58	257.81

- Production map attached as Exhibit "A" shows wells and leases in the area to 3. be flooded. All well location measurements and location units are shown on Exhibit "B".
- h. It is desired to flood the lower Yates (Penn Bennett) formation through perforations which range in depths from 3235' to 3310'.

Injection is desired to be made into well No's. 6, 7, 8, 9, 10 and 11 as shown on Exhibit "A".

5. Subsea Tops of producing formation are shown by (-) data on Exhibit "A".

6.	Casing	program :	for inject	ction we:	lls will be:		
	SIZE	TOTAL LENGTH	SEAT DEPTH	GRADE	CEMENTED OR MUDDED	FOOTAGE BEHIND CEMENT	NUMBER SACKS CEMENT USED
	8 5/8	600 I	6001	New	Cemented	6001	325
	5 1/2	33701	33701	New	Cemented	600 ¹ and mudded	125 to surface

7. Liquid desired to be used for flooding is fresh water produced from a depth of about 550'. Estimated water requirements are 1200 b/d minimum to 2000 b/d maximum. Injection water is to be introduced at the well head under 400 pounds minimum pressure to 1600 pounds maximum pressure.

8. A copy of this Application has been sent to:

NAME

ADDRESS

HOW SENT

Bureau of Land Management John A. Anderson, USGS Harry Dupont, USGS The Texas Co. The Texas Co.

Santa Fe, N. M. Box 6721, Roswell, N. M. Box 1838, Hobbs, N. M. Midland, Texas Hobbs, N. M.

Respectfully submitted,

WOOD RIVER OIL & REFINING CO., INC.

BY <u>C. C. Chapin</u>

Registered Mail Registered Mail Registered Mail

Registered Mail

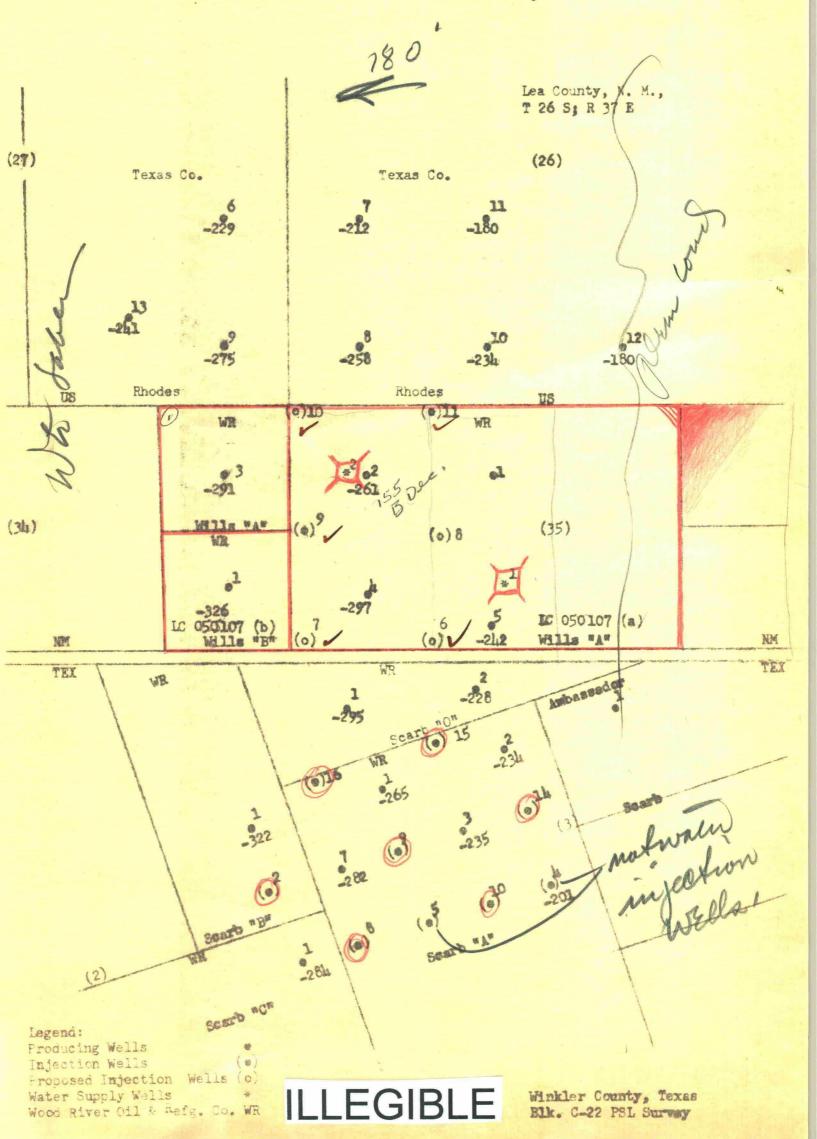
Registered Mail

EXHIBIT "A"

PLAT SHOWING PARTS OF

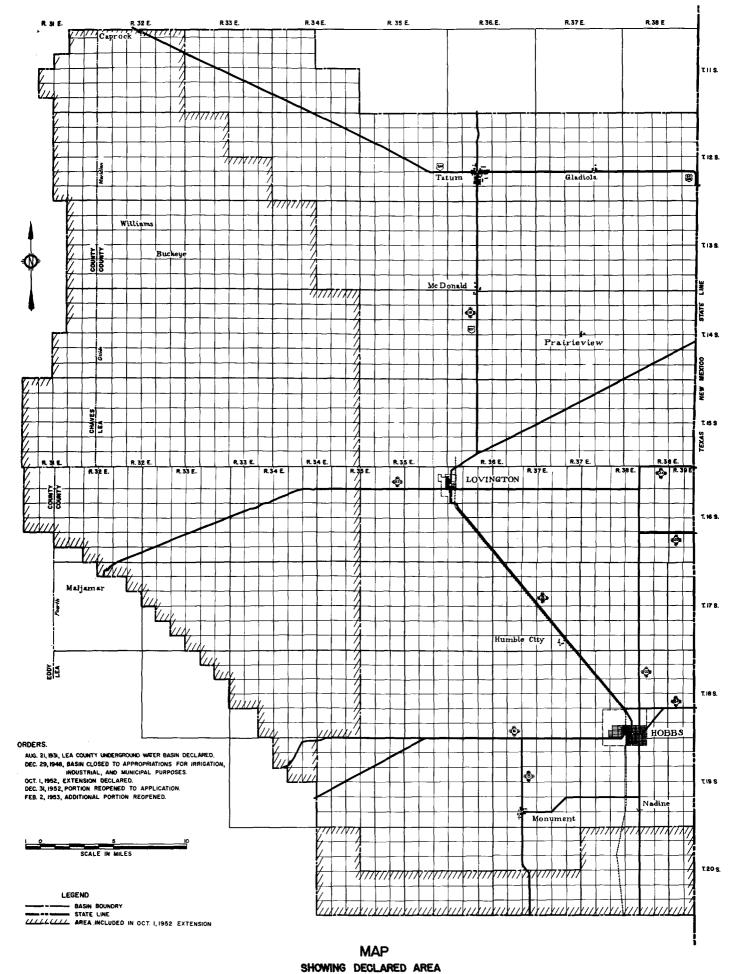
RHODES FIELD IN LEA COUNTY, NEW MEXICO AND

NORTH SCARBOROUGH FIELD IN WINKLER COUNTY, TEXAS



ILLEGIBLE

								(34)					
			6601		• EH					•			
2040 :	13201	1099	20	(o) 7	ţ.			(o) 9		*2 2		(o)	EXHIBIT "B"
0				(o) 		*1		() 8		• 1		(o) 11	
			Parts of Sec. 34 and 35, T 26 S; R 37 E, Lee County.	20' 330' 540' 830		3201		(35)			6601	20	
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	Proposed Inj Water Supply	830 FSL 660 FNL Producing Wells	Footage from Line of Sec. 35	Sec. 34 660 FNL 540 FSL	Footage from Line of	1320 FSL 20 FNL 20 FNL	330 FSL 20 FSL 20 FSL 1320 FSL		Sec. 35	Footage from	LOCATION O		
	lon Wells lls	2 040	Footage from W Line of Sec. 35	Sec. 34 660 660	Footage from E Line of	20 20 1320	1980 1320 1320	1980 660	Sec. 35	Footage from W Line of	OF WELLS		
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LEA COUNTY UNDERGROUND WATER BASIN