

# SUNRAY MID-CONTINENT OIL COMPANY

P. O. BOX 2039

TULSA 2, OKLAHOMA

R. E. FOSS, VICE PRESIDENT

R. W. GRIFFITH, ASST. TO THE VICE PRESIDENT

M. S. PATTON, JR., MANAGER  
ENGINEERING DIVISION

PRODUCTION DEPARTMENT

September 15, 1958

C. J. KERWIN, SUPERINTENDENT  
OIL DIVISION

L. G. RODGERS, GENERAL MANAGER  
GAS DIVISION

J. H. DOUMA, MANAGER  
JOINT OPERATIONS DIVISION

The Office of the State Engineer  
P. O. Box 1079  
Santa Fe, New Mexico

Gentlemen:

In compliance with the New Mexico Oil Conservation Commission's Memorandum No. 5-58 dated January 31, 1958, Sunray Mid-Continent Oil Company respectfully furnishes to your office the following information:

1. Copy of Sunray's application to dispose of salt water into a well in the Lane Field, Lea County, New Mexico.
2. The geographical location of the water source is the Lane Field, Township 9 and 10 South, Ranges 33 and 34 East, Lea County, New Mexico, located approximately 19 miles Northwest of the Town of Tatum, New Mexico.
3. The water to be injected will be salt water produced with the oil from the Wolfcamp and Pennsylvanian formations found at a depth of approximately 9600 feet and 9750 feet, respectively.
4. A copy of a water analysis from the Wolfcamp formation and a copy of a water analysis from the Pennsylvanian formation are attached.

If there is any other information desired, please advise and we will be happy to furnish it to you.

Yours very truly,

SUNRAY MID-CONTINENT OIL COMPANY



William R. Loar  
Chief Proration Engineer

WRL/at  
Attachments



D-X SUNRAY OIL COMPANY IS A WHOLLY-OWNED REFINING & MARKETING SUBSIDIARY

EXHIBIT "B"

FIELD LABORATORY REPORT

WATER ANALYSIS

TO: Sunray-Mid-Continent Oil Co.  
Box 128  
Hobbs, New Mexico

Hobbs, New Mexico

MX 0768

Sunray

N.M. State P-2

Lane Penn.

Lee

New Mexico

Penn. Lane zone

DATE SAMPLE SUBMITTED

September 6, 1958

SAMPLE SOURCE

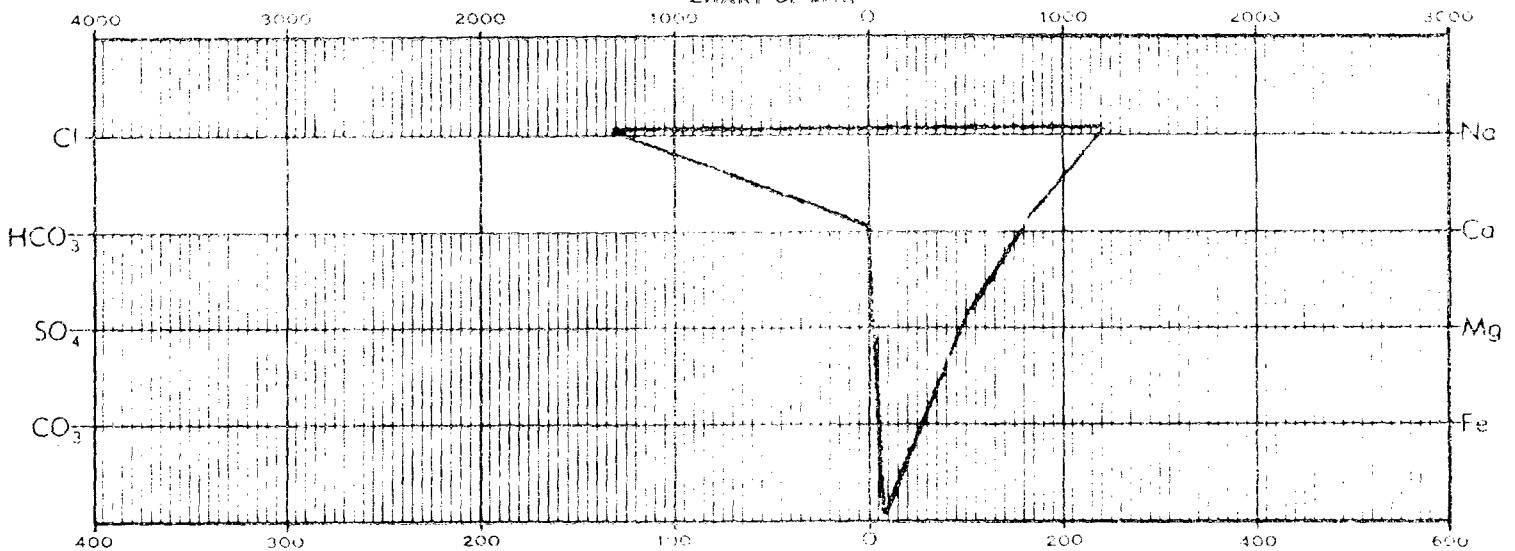
Separator

TESTS DESIRED

complete

	EPM	EPM	PPM	EPM
CALCIUM	3,000	150	48,800	1380
MAGNESIUM	1,010	83	200	4.2
SODIUM	26,600	1157.5	385	6.3
IRON				
HYDROGEN SULFIDE				
SPECIAL GRAVITY	1.057	78	6.0	2.1
				7.808

CHART OF EPM



REMARKS:

cc: Sunray-Mid-Continent (8 copies)  
Hurst, Rosene, Stewart, file

Rosson

Sept. 8, 1958



# DOWELL INCORPORATED

## FIELD LABORATORY REPORT

### WATER ANALYSIS

TO: Sunray MidContinent Oil Co.  
Box 128,  
Hobbs, New Mexico

LABORATORY LOCATION	REPORT NUMBER
Hobbs, New Mexico	MX 0769
COMPANY	WELL
Sunray	N.M. State I #1
POOL	LOCATION
& Lane Wolfcamp	
COUNTY	STATE
Lea	New Mexico
FORMATION	DEPTH
Wolfcamp zone	
SUBMITTED BY	TESTS DESIRED
	complete

DATE SAMPLE SUBMITTED

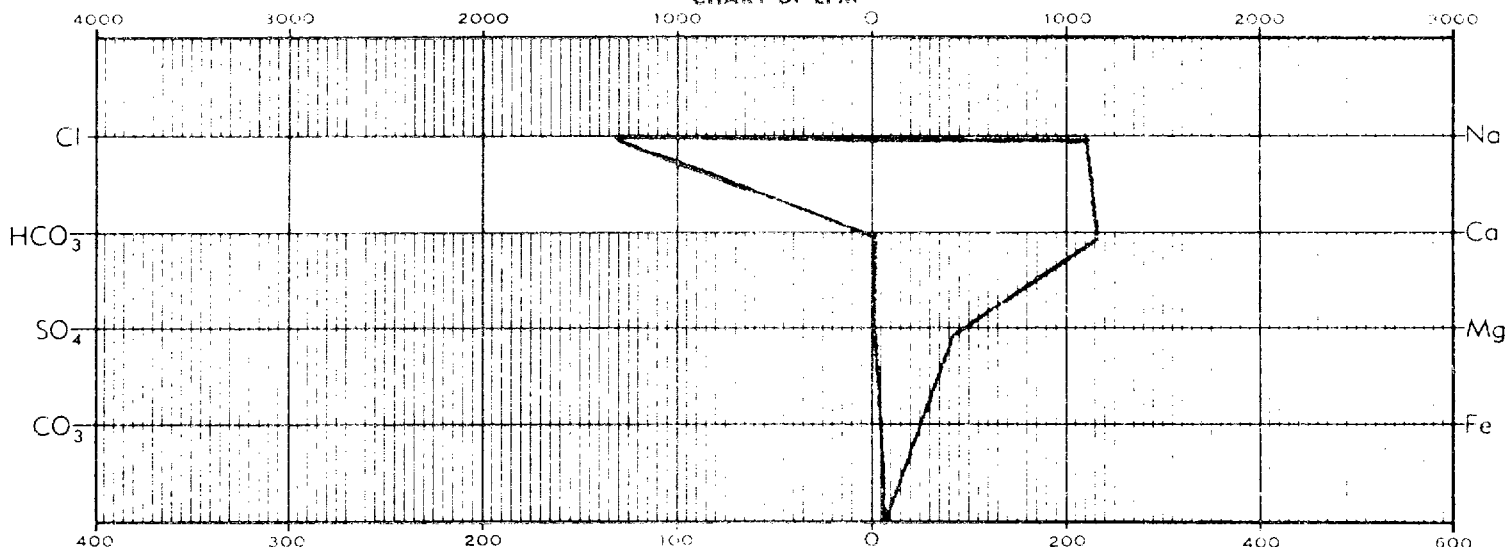
September 6, 1958

SAMPLE SOURCE

Separator

	PPM	EPM		PPM	EPM
CALCIUM	4,480	224	CHLORIDE	48,200	1360
MAGNESIUM	890	73	SULFATE	190	3.9
SODIUM	24,600	1070.7	BICARBONATE	233	3.8
IRON			CARBONATE		
HYDROGEN			HYDROXIDE		
SULFIDE					
SPECIAL GRAVITY	1.063	AT 78 °F	pH	6.0	
			CaCl <sub>2</sub> MgCl <sub>2</sub>	3.55	7.712

CHART OF EPM



REMARKS.

cc: Sunray Mid-Continent (8 copies)  
Hurst, Rosene, Stewart, file

Rosson

Sept, 8, 1958

Case 1532

# SUNRAY MID-CONTINENT OIL COMPANY

MAIN OFFICE UCC

P. O. BOX 2039

TULSA 2, OKLAHOMA

R. E. FOSS, VICE PRESIDENT  
R. W. GRIFFITH, ASST. TO THE VICE PRESIDENT  
M. S. PATTON, JR., MANAGER  
ENGINEERING DIVISION

PRODUCTION DEPARTMENT  
September 15, 1958

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OIL DIVISION  
L. G. RODGERS, GENERAL MANAGER  
GAS DIVISION  
J. H. DOUMA, MANAGER  
JOINT OPERATIONS DIVISION

New Mexico Oil Conservation Commission  
125 Mabry Hall  
Santa Fe, New Mexico

Gentlemen:

Enclosed are three copies of an application of Sunray Mid-Continent Oil Company for an order authorizing the disposal of salt water into the Lane Pennsylvanian Oil Pool, Lea County, New Mexico. Will you please set this matter for hearing before either the Commission or an examiner after giving proper notice.

Very truly yours,

SUNRAY MID-CONTINENT OIL COMPANY

*William R. Loar*  
William R. Loar  
Chief Proration Engineer

WRL/at  
Attachments

*Docket mailed  
10-8-58  
ABP*



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