

RICE Engineering Corporation

122 WEST TAYLOR TELEPHONE (505) 393-9174

HOBBS, NEW MEXICO 88240

August 3, 1993

OIL CONSERVATION DIVISION
RECEIVED

1993 AUG 5 AM 9 53

Attn: Mr. Benjamin E. Stone
Oil Conservation Division
Energy, Minerals and Natural Resources
Department
PO Box 2088
Santa Fe, NM 87504

Re: Western Reserves
Injection Application

Dear Mr. Stone;

Enclosed are copies of water sample analyses in the area of Western Reserves proposed Salt Water Disposal. As you can see the one sample was from the producing well on the lease and is the same analysis I referred to in the application. The fresh water sample was taken today from a water well belonging to the rancher and located in the NW/4 SW/4 of Section 26, Township 10 South, Range 33 East. The analysis was performed at Halliburton Services Hobbs Laboratory.

If there are any additional needed items, please contact us. Western reserves requests that the permit application be processed as soon as possible as their lease production is hindered awaiting this permit approval.

Yours very truly,

RICE ENGINEERING CORPORATION


Jerry D. Hillard
Division Manager

JDH/lr

Enclosures

562.93

HALLIBURTON SERVICES
HOBBS, NEW MEXICO

To Rice Engineering

Sample Number 265

*Milligrams per liter

Submitted by _____ Date Received 8-3-93

Well No. N 11 1/4 / S 21 1/4 / Sec 26 T 10S R 3E Depth _____ Formation _____

County _____ Field _____ Source WATER WELL

Resistivity..... 8.97 @ 74°F

Specific Gr..... 1.005

pH..... 6.8

Calcium*..... 400

Ca

Magnesium*..... NVL

Mg

Chlorides*..... 325

Cl

Sulfates*..... 112

SO₄

Bicarbonates*..... 232

HCO₃

Soluble Iron*..... NVL

Fe

ILLEGIBLE

ML
5

Laboratory Services
1331 Tasker Drive
Hobbs, New Mexico 88240
(505) 397-3713

WATER ANALYSIS

COMPANY ENVIRO-CHEM
Attention: Mr. Rick Allen

SAMPLE Western Reserves Oil Co.
SL "26" Well #3

DATE _____
SAMPLED BY ENVIRO-CHEM

Remarks _____

Total Dissolved Solids	41.000
Hydrogen Sulfide	
Sodium	
Specific Gravity @ 60 F	1.047
Ph Taken At Lab	6.99
Barium as Ba	5.0
Carbonate alkalinity PPM	0
Bicarbonate alkjlinity PPM	454
Calcium as CA	3.612
Magnesium as Mg	4.988
Total Hardness as CaCO3	8.600
Chlorides as CL	27.534
Sulfate as SO4	1.425
Iron as Fe	4.95
Restivity -Ohms	0.1216 @ 22.5 C
Carbonate as CO3 GL	11.75
Nitrate	24.2
Potassium	9.0

Results reported as Parts Per Million Unless Stated.

ILLEGIBLE

Langelier Saturation Index + 0.79

Analysis By: Roland Perry
Date: October 25, 1992

RICE Engineering Corporation

122 WEST TAYLOR TELEPHONE (505) 393-9174

HOBBS, NEW MEXICO 88240

August 4, 1993

OIL CONSERVATION DIVISION
RECEIVED

'93 AUG 5 AM 9 07

Attn: Mr. Benjamin E. Stone
Oil Conservation Division
Energy, Minerals and Natural Resources
Department
PO Box 2088
Santa Fe NM 87504

Re: Western Reserves
Injection Application

Dear Mr. Stone:

Enclosed is a copy of the analysis of the water sample caught yesterday. The copy sent before was lacking the Sodium and TDS numbers as well as not being signed by the lab chemist.

Yours very truly,

RICE ENGINEERING CORPORATION


Jerry D. Hillard
Division Manager

JDH/lr

Enclosure

563.93

HALLIBURTON SERVICES
HOBBS, NEW MEXICO

To Rice Engineering Corporation
122 West Taylor
Hobbs, New Mexico 88240

Sample Number 265

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Submitted by Rice Engineering Corporation Date Received August, 3 1993

Well No. NW ¼/ SW ¼/ Sec 26 Twn 10S Depth _____ Formation _____
R. 33E

County _____ Field _____ Source Water Well

Resistivity.....	<u>8.97 @ 74 F</u>	_____	_____
Specific Gr.....	<u>1.005</u>	_____	_____
pH.....	<u>6.8</u>	_____	_____
Calcium*.....	<u>400</u>	_____	_____
Ca			
Magnesium*.....	<u>nil</u>	_____	_____
Mg			
Chlorides*.....	<u>325</u>	_____	_____
Cl			
Sulfates*.....	<u>112</u>	_____	_____
SO ₄			
Bicarbonates*....	<u>232</u>	_____	_____
HCO ₃			
Soluble Iron*....	<u>nil</u>	_____	_____
Fe			
Sodium Na	<u>nil</u>	_____	_____
TDS	<u>1069</u>	_____	_____

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: *ALBANK*

HALLIBURTON COMPANY

By _____

CHEMIST

NOTICE

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