

MARTIN WATER LABORATORIES, I

P.O. Box 1468 Phone 943-3234 or 563-1040
Monahans, Texas 79756

RESULT OF WATER ANALYSES

709 W. Indiana Phone 683-4521
Midland, Texas 79701

TO: Mr. Don Mashburn
P. O. Box 10426, Midland, TX 79702

LABORATORY NO. 129635
SAMPLE RECEIVED 12-4-96
RESULTS REPORTED 12-10-96

API WATER ANALYSIS REPORT FORM

Company Doyle Hartman, Oil Operators			Sample No.		Date Sampled 12-3-96 @ 12:40 pm
Field Monument		Legal Description		County or Parish Lea	State NM
Lease or Unit Britt Laughlin Com.		Well #1	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.) Produced			Sampling Point Water tank		Sampled By

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	28,458	1,237.3
Calcium, Ca	10,300	515.0
Magnesium, Mg	6,986	575.0
Barium, Ba		

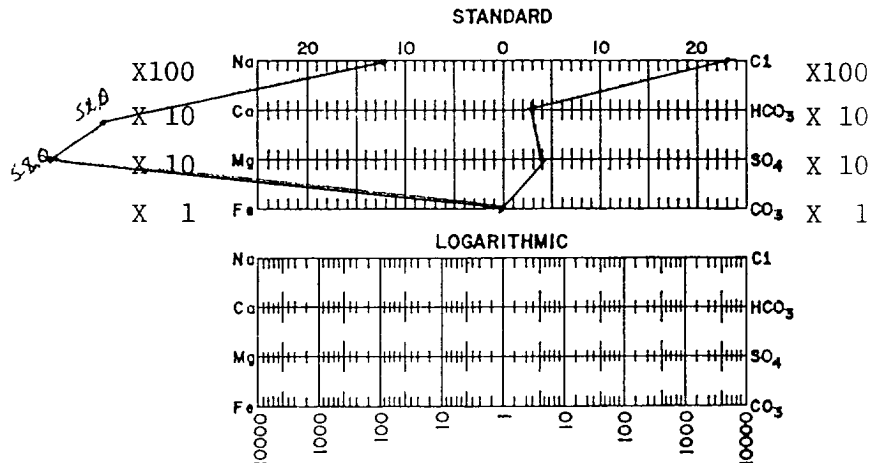
OTHER PROPERTIES

pH	6.86
Specific Gravity, 60/60 F.	1.0876
Resistivity (ohm-meters) 77°F.	0.078
Total Hardness, as CaCO ₃	54,500

ANIONS

Chloride, Cl	80,251	2,263.1
Sulfate, SO ₄	1,797	37.4
Carbonate, CO ₃	0	0.0
Bicarbonate, HCO ₃	1,635	26.8

WATER PATTERNS — me/l



Total Dissolved Solids (calc.)

	129,428	
Iron, Fe (total)	4.3	0.2
Sulfide, as H ₂ S	424	

REMARKS & RECOMMENDATIONS: The water herein shows to be reasonably comparable to the water from this well recovered 11-16-95 and reported on laboratory #1195132 except the above does show a slightly higher level of sodium, chloride, and sulfate.

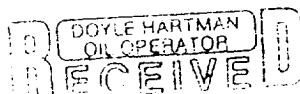
Waylan C. Martin

Waylan C. Martin, M.A.

FAX: Doyle Hartman, Dallas

Send to

12-12-96



DEC 11 1996

Received
Harris

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