

MERRION OIL & GAS CORPORATION

P. O. Box 840
FARMINGTON, NEW MEXICO 87499

April 15, 1986

Oil Conservation Division
Aztec District Office
1000 Rio Brazos Road
Aztec, New Mexico 87410

Attn: Frank Chavez

Re: Water Analysis-Pot Mesa #2
Section 10, T20N, R6W
NM 24964, McKinley County, NM

Dear Mr. Chavez:

As per our conversation on April 8, 1986, enclosed is a copy of a water analysis from the Cliffhouse formation in the Canyon Largo Unit #125. The analysis is being submitted in place of a Cliffhouse water analysis from the Pot Mesa #2 well. This analysis should be included with Merrion Oil and Gas Corporation's "Application for Authorization to Inject" for the Pot Mesa #2 well.

If further information is required, please advise.

Sincerely,



T. Greg Merrion
Production Engineer

TGM/ljm

RECEIVED
APR 16 1986
OIL CON. DIV.
DIST. 3

ANALYSIS NO. 4Q-76-85

FIELD RECEIPT NO. N/A

API FORM 43-1

API WATER ANALYSIS REPORT FORM

Company MERRION OIL & GAS		Sample No.		Date Sampled	
Field Devil's Fork Mesa Verde		Legal Description Sec. 9, T24N, R6W		County or Parish Rio Arriba	
State NM		Lease or Unit Canyon Largo Unit		Well #125	
Depth 3630-3670		Formation Cliffhouse		Water, B/D	
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l	ppm
Sodium, Na (calc.)	7531	327	7427
Calcium, Ca	20	1	20
Magnesium, Mg	73	6	72
Barium, Ba	-	-	-
Potassium, K ⁺	22	1	22

ANIONS

Chloride, Cl	10499	295	10305
Sulfate, SO ₄	76	2	75
Carbonate, CO ₃	139	2	137
Bicarbonate, HCO ₃	2233	37	2202

Total Dissolved Solids (calc.)

20543

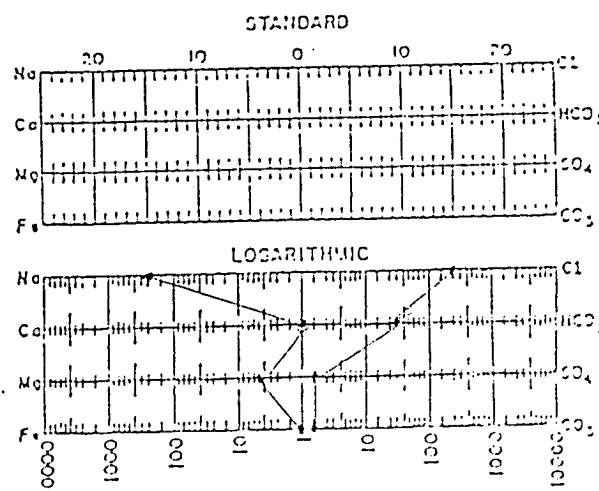
Iron, Fe (total)

Fe⁺⁺ 0; Fe⁺⁺⁺ 0Sulfide, as H₂S

OTHER PROPERTIES

pH	9
Specific Gravity, 60/60 F.	1.014
Resistivity (ohm-meters) 70° F.	.4
Total hardness	343

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

ANALYST: Korbi Hart

THE WESTERN COMPANY OF
NORTH AMERICA, FARMINGTON, NM
(505) 327-6222

Please refer any questions to: Clay Terry, District Engineer or
Tom Burris, Field Engineer
Russ Pycatt, Field Engineer