

API WATER ANALYSIS REPORT FORM

Company BHP PETROLEUM		Sample No. 2	Date Sampled 3/10/86	
Field Wildcat	Legal Description		County or Parish San Juan	State NM
Lease or Unit La Plata Deep Water	Well Well 1	Depth	Formation Morrison	Water, B/D water
Type of Water (Produced, Supply, etc.) produced		Sampling Point		Sampled By

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	17693	772.63
Calcium, Ca	2200	110.0
Magnesium, Mg	292	23.93
Barium, Ba	0	0
Potassium, K ⁺	284	7.24

ANIONS

Chloride, Cl	31817	897.52
Sulfate, SO ₄	675	14.06
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	136	2.23

Total Dissolved Solids (calc.)

53,097 (measured - 55,386 mg/L)

Iron, Fe (total)

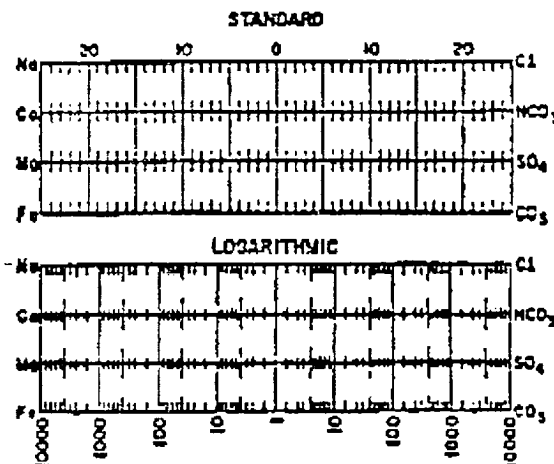
Fe⁺⁺ 7; Fe⁺⁺⁺ 0Sulfide, as H₂S

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OTHER PROPERTIES

pH	6.5
Specific Gravity, 60/60 F.	1.044
Resistivity (ohm-meters) 76°F.	0.13
Total hardness	6700

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

ANALYST: Bill Pogue

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