Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Coastal Oil & Gas
Lease : Sawyer
Well No.: Marr #3
Salesman:

Sample Loc. :
Date Analyzed: 04-January-1996
Date Sampled :

ANALYSIS

1.	pH	5.840	
2.	Specific Gravity 60/60 F.	1.155	
3.	$CaCO_3$ Saturation Index @ 80 F.	+0.978	
	@ 140 F.	+2.738	

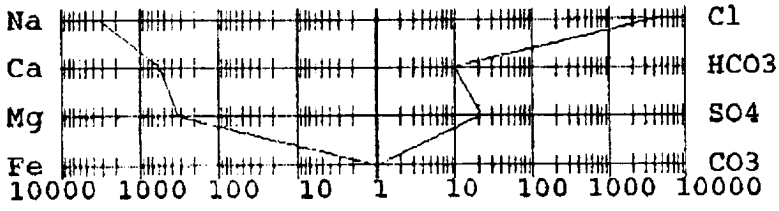
	Dissolved Gasses	MG/L	EQ. WT.	*MEQ/L
4.	Hydrogen Sulfide	Present		
5.	Carbon Dioxide	Not Determined		
6.	Dissolved Oxygen	Not Determined		

	Cations			MG/L	EQ. WT.	*MEQ/L
7.	Calcium	(Ca^{++})		11,022	/ 20.1 =	548.36
8.	Magnesium	(Mg^{++})		3,890	/ 12.2 =	318.85
9.	Sodium	(Na^{+})	(Calculated)	71,489	/ 23.0 =	3,108.22
10.	Barium	(Ba^{++})		Not Determined		

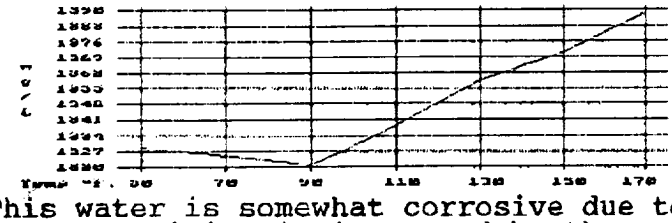
	Anions		MG/L	EQ. WT.	*MEQ/L
11.	Hydroxyl	(OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})	596	/ 61.1 =	9.75
14.	Sulfate	($SO_4^{=}$)	1,050	/ 48.8 =	21.52
15.	Chloride	(Cl^{-})	139,968	/ 35.5 =	3,942.76

16.	Total Dissolved Solids	228,015		
17.	Total Iron (Fe)	1	/ 18.2 =	0.05
18.	Total Hardness As $CaCO_3$	43,539		
19.	Resistivity @ 75 F. (Calculated)	0.001 /cm.		

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



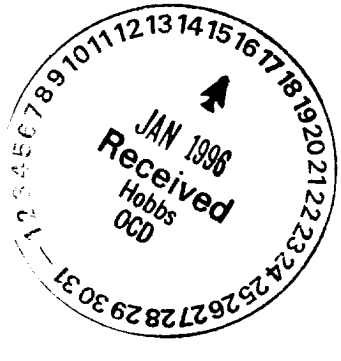
PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
$Ca(HCO_3)_2$	81.04	9.75	791
$CaSO_4$	68.07	21.52	1,465
$CaCl_2$	55.50	517.09	28,698
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	0.00	0
$MgCL_2$	47.62	318.85	15,184
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	3,106.82	181,625

***Milli Equivalents per Liter**

This water is somewhat corrosive due to the pH observed on analysis. The corrosivity is increased by the content of mineral salts, and the presence of H2S in solution.

EXHIBIT "G"


JAN 1996
Received
Hobbs
OCD