

TRETOLITE DIVISION

 (505) 746-3588
 Fax (505) 746-3580

 Reply to:
 P.O. Box 1140
 Artesia, NM
 88211-7531

WATER ANALYSIS REPORT

 Company : CONOCO INC.
 Address : HOBBS, NM
 Lease : MEYERS B-4
 Well : #29
 Sample Pt. :

 Date : 04/12/96
 Date Sampled : 04/12/96
 Analysis No. : 0272

ANALYSIS		mg/L		* meq/L	
-----		----		-----	
1.	pH	6.7			
2.	H ₂ S	2 PPM			
3.	Specific Gravity	1.050,			
4.	Total Dissolved Solids	78133.3			
5.	Suspended Solids	NR			
6.	Dissolved Oxygen	NR			
7.	Dissolved CO ₂	NR			
8.	Oil In Water	NR			
9.	Phenolphthalein Alkalinity (CaCO ₃)				
10.	Methyl Orange Alkalinity (CaCO ₃)				
11.	Bicarbonate	HCO ₃	2574.0	HCO ₃	42.2
12.	Chloride	Cl	45582.0	Cl	1285.8
13.	Sulfate	SO ₄	525.0	SO ₄	10.9
14.	Calcium	Ca	1800.0	Ca	89.8
15.	Magnesium	Mg	1215.6	Mg	100.0
16.	Sodium (calculated)	Na	26417.9	Na	1149.1
17.	Iron	Fe	18.8		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO ₃)		9500.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter				Compound	Equiv wt	X meq/L	= mg/L
+-----+				-----			
90	*Ca <-----	*HCO ₃	42	Ca(HCO ₃) ₂	81.0	42.2	3419
	/----->			CaSO ₄	68.1	10.9	744
100	*Mg ----->	*SO ₄	11	CaCl ₂	55.5	36.7	2036
	<-----/			Mg(HCO ₃) ₂	73.2		
1149	*Na ----->	*Cl	1286	MgSO ₄	60.2		
				MgCl ₂	47.6	100.0	4761
Saturation Values Dist. Water 20 C				NaHCO ₃	84.0		
	CaCO ₃	13 mg/L		Na ₂ SO ₄	71.0		
	CaSO ₄ * 2H ₂ O	2090 mg/L		NaCl	58.4	1149.1	67154
	BaSO ₄	2.4 mg/L					

REMARKS:

----- CRAIG CULP

Petrolite Oilfield Chemicals Group

 Respectfully submitted,
 TATE LAIR