

**MILLER CHEMICALS, INC.**

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WATER ANALYSIS REPORT

Company : CONCHO RESOURCES
 Address :
 Lease : SPRING FED.2
 Well : #1
 Sample Pt. : WATER DUMP

Date : 11-6-00
 Date Sampled : 11-6-00
 Analysis No. : 7465

ANALYSIS		mg/L		* meq/L
1. pH	6.6			
2. H2S	0			
3. Specific Gravity	1.035			
4. Total Dissolved Solids		49457.1		
5. Suspended Solids		NR		
6. Dissolved Oxygen		NR		
7. Dissolved CO2		NR		
8. Oil In Water		NR		
9. Phenolphthalein Alkalinity (CaCO3)				
10. Methyl Orange Alkalinity (CaCO3)				
11. Bicarbonate	HCO3	488.0	HCO3	8.0
12. Chloride	Cl	30033.0	Cl	847.2
13. Sulfate	SO4	75.0	SO4	1.6
14. Calcium	Ca	1600.0	Ca	79.8
15. Magnesium	Mg	681.1	Mg	56.0
16. Sodium (calculated)	Na	16572.9	Na	720.9
17. Iron	Fe	7.0		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO3)		6800.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt X meq/L	mg/L
+-----+	+-----+			
80 *Ca <----- *HCO3	8	Ca (HCO3) 2	81.0	648
----- /----->	-----	CaSO4	68.1	106
56 *Mg -----> *SO4	2	CaCl2	55.5	3900
----- <-----/	-----	Mg (HCO3) 2	73.2	
721 *Na -----> *Cl	847	MgSO4	60.2	
+-----+	+-----+	MgCl2	47.6	2668
Saturation Values Dist. Water 20 C		NaHCO3	84.0	
CaCO3 13 mg/L		Na2SO4	71.0	
CaSO4 * 2H2O 2090 mg/L		NaCl	58.4	42128
BaSO4 2.4 mg/L				

REMARKS: KCL= NEGATIVE