

**MILLER CHEMICALS, INC.**

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WATER ANALYSIS REPORT

Company : CONCHO RESOURCES
Address :
Lease : INDIAN DRAW
Well : 12-1
Sample Pt. : UNKNOWN

Date : 8-2-00
Date Sampled : 8-2-00
Analysis No. :

ANALYSIS		mg/L		* meq/L
1. pH	6.7			
2. H2S	0			
3. Specific Gravity	1.030			
4. Total Dissolved Solids		33300.3		
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	195.0	HCO3	3.2
12. Chloride	Cl	20235.0	Cl	570.8
13. Sulfate	SO4	125.0	SO4	2.6
14. Calcium	Ca	1040.0	Ca	51.9
15. Magnesium	Mg	413.6	Mg	34.0
16. Sodium (calculated)	Na	11280.7	Na	490.7
17. Iron	Fe	11.0		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO3)		4300.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	=	mg/L
+-----+				
52 *Ca <----- *HCO3 3	Ca(HCO3)2	81.0	3.2	259
----- /-----> -----	CaSO4	68.1	2.6	177
34 *Mg -----> *SO4 3	CaCl2	55.5	46.1	2558
----- <-----/ -----	Mg(HCO3)2	73.2		
491 *Na -----> *Cl 571	MgSO4	60.2		
+-----+	MgCl2	47.6	34.0	1620
	NaHCO3	84.0		
Saturation Values Dist. Water 20 C	Na2SO4	71.0		
CaCO3 13 mg/L	NaCl	58.4	490.7	28675
CaSO4 * 2H2O 2090 mg/L				
BaSO4 2.4 mg/L				

REMARKS: