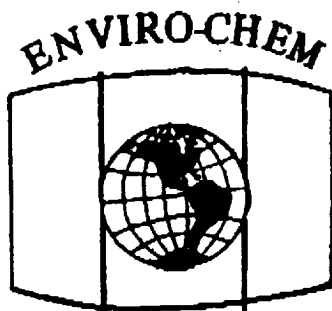




P. O. BOX 668
HOBBS, NEW MEXICO 88240
(505) 393-1917

WATER ANALYSIS REPORT

Company: Strata Production
Lease:
Well: Fresh Water
Sample Point: tank

Date: 11-22-94
Date Sampled: 11-15-94
Analysis No: E113

ANALYSIS		mg/L	meq/L
1.	pH	8.0	
2.	Specific Gravity	1.005	
DISSOLVED GASSES			
3.	H ₂ S	0.0 PPM	
4.	Dissolved Oxygen	N/A	
5.	Dissolved CO ₂	8.0 PPM	
CATIONS			
6.	Calcium	Ca 136.3	6.8
7.	Magnesium (calculated)	Mg 53.5	59.6
8.	Sodium (calculated)	Na 1315.3	1.0
ANIONS			
9.	Methyl Orange Alkalinity	CaCO ₃ 390.0	
10.	Bicarbonate	HCO ₃ 475.8	7.8
11.	Chloride	Cl 2111.8	59.6
12.	Sulfate	SO ₄ 50.0	1.0
13.	Total Dissolved Solids	4142.6	
14.	Total Hardness	CaCO ₃ 560.5	
15.	Total Iron	Fe 0.0	

PROBABLE MINERAL COMPOSITION

Compound	Equiv wt	X	meq/L	=	mg/L
Ca(HCO ₃) ₂	81.0		6.8	=	551
CaSO ₄	68.1		1.0	=	73
CaCl ₂	55.5		1.0	=	63
MgCl ₂	47.6		2.4	=	112
NaCl	58.4		57.2	=	3343

SCALE TENDENCY REPORT

Calcium Carbonate Scaling Tendency

S.I. = 1.0 at 80 degrees F S.I. = 1.1 at 100 degrees F
S.I. = 1.1 at 120 degrees F S.I. = 1.2 at 140 degrees F

Calcium Sulfate Scaling Tendency

S. = 1662 at 80 degrees F S. = 1674 at 100 degrees F
S. = 1665 at 120 degrees F S. = 1651 at 140 degrees F

Calculation for MPY loss: 2.2 MPY

REMARKS: Don Canada / Copy / File

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NOV 30 1994

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