



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

WATER ANALYSIS REPORT

Company: Strata Production
Lease: Papa Gyo
Well: Fed. #1
Sample Point: Wellhead

Date: 11-22-94
Date Sampled: 11-15-94
Analysis No: E112

	ANALYSIS		mg/L	meq/L
1.	pH	5.8		
2.	Specific Gravity	1.220		
	DISSOLVED GASSES			
3.	H ₂ S	6.0 PPM		
4.	Dissolved Oxygen	N/A		
5.	Dissolved CO ₂	576.0 PPM		
	CATIONS			
6.	Calcium	Ca	31262.4	1560.0
7.	Magnesium (calculated)	Mg	5080.8	418.0
8.	Sodium (calculated)	Na	92544.7	4025.4
	ANIONS			
9.	Methyl Orange Alkalinity	CaCO ₃	171.0	
10.	Bicarbonate	HCO ₃	208.6	3.4
11.	Chloride	Cl	212552.9	5995.8
12.	Sulfate	SO ₄	200.0	4.2
13.	Total Dissolved Solids		341883.4	
14.	Total Hardness	CaCO ₃	98989.0	
15.	Total Iron	Fe	34.0	

PROBABLE MINERAL COMPOSITION

Compound	Equiv wt	X	meq/L	=	mg/L
Ca(HCO ₃) ₂	81.0		3.4	=	277
CaSO ₄	68.1		4.2	=	283
CaCl ₂	55.5	1552.4		=	86144
MgCl ₂	47.6	418.0		=	19899
NaCl	58.4	4025.4		=	235246

SCALE TENDENCY REPORT

Calcium Carbonate Scaling Tendency

S.I. = at 80 degrees F S.I. = at 100 degrees F
S.I. = at 120 degrees F S.I. = at 140 degrees F

Calcium Sulfate Scaling Tendency

S. = at 80 degrees F S. = at 100 degrees F
S. = at 120 degrees F S. = at 140 degrees F

Calculation for MPY loss: 24.0 MPY

REMARKS: Don Canada / Copy / File Scaling Tendencies out of calculation range.

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