

Pro-Kem WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **BTA Oil Producers**
Lease : **Gem**
Well No.: **# 7**
Location:
Attention:

Date Sampled : **29-July-2008**
Date Analyzed: **05-August-2008**
Lab ID Number: **Aug0508.001- 1**
Salesperson :
File Name : **Aug0508.001**

ANALYSIS

1. Ph 6.600
2. Specific Gravity 60/60 F. 1.178
3. CACO3 Saturation Index @ 80F
- @140F

2.382 Severe
3.762 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L

0

100

Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

26,472 / 20.1 = 1,317.01

4,108 / 12.2 = 336.72

66,520 / 23.0 = 2,892.17

Not Determined

Anions

11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0 / 17.0 = 0.00

0 / 30.0 = 0.00

119 / 61.1 = 1.95

3,200 / 48.8 = 65.57

158,964 / 35.5 = 4,477.86

259,383

54.00 / 18.2 = 2.97

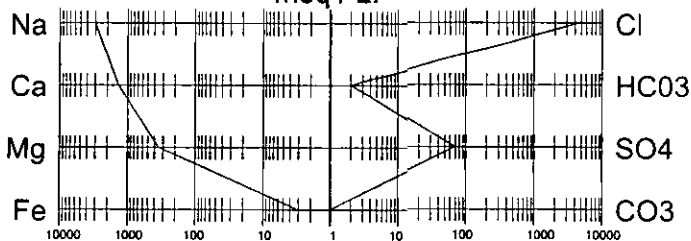
Not Determined

83,018

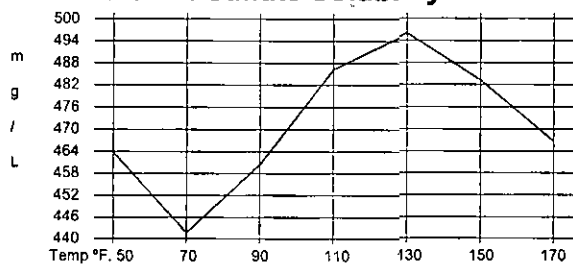
0.001 Ohm · meters

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	1.95		81.04		158
CaSO4	65.57		68.07		4,464
CaCl2	1,249.49		55.50		69,347
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	336.72		47.62		16,035
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,891.64		58.46		169,046

* milliequivalents per Liter

Kevin Byrne, Analyst

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 7
Submitted by:
BTA OIL PRODUCERS, LLC
Hearing Date: March 21, 2013