

Customer: **OMIMEX ENERGY INC**

Region: **Not Available**

Location: **Holyoke, CO**

System: **Produced Water Storage**

Equipment: **Bowman SWD Storage Tanks**

Sample Point: **Tanks**

Sample ID: **AM63341**

Acct Rep Email: **Jevon.Benisch@ecolab.com**

Collection Date: **03/18/2019**

Receive Date: **03/21/2019**

Report Date: **03/22/2019**

Location Code: **278380**

Field Analysis

Bicarbonate	1366 mg/L	Dissolved CO2	123 mg/L	Dissolved H2S	1.7 mg/L
Pressure Surface	<.25 psi	Temperature	65 ° F	pH of Water	7.8

Sample Analysis

Conductivity (Calculated)	37131 µS - cm3	Ionic Strength	0.40	Resistivity	0.269 ohms - m
Specific Gravity	1.015	Total Dissolved Solids	23830.14 mg/L		

Cations

Iron	66.20 mg/L	Manganese	0.283 mg/L	Barium	45.14 mg/L
Strontium	20.28 mg/L	Calcium	105.1 mg/L	Magnesium	50.14 mg/L
Sodium	7996.00 mg/L				

Anions

Chloride	14174 mg/L	Sulfate	7 mg/L
----------	------------	---------	--------

Scale Type

Anhydrite CaSO4 PTB	N/A	Anhydrite CaSO4 SI	-4.21
Barite BaSO4 PTB	4.4	Barite BaSO4 SI	0.71
Calcite CaCO3 PTB	34.5	Calcite CaCO3 SI	0.24
Celestite SrSO4 PTB	N/A	Celestite SrSO4 SI	-2.55
Gypsum CaSO4 PTB	N/A	Gypsum CaSO4 SI	-3.80
Hemihydrate CaSO4 PTB	N/A	Hemihydrate CaSO4 SI	-3.67

Comments

Water Tanks

Scaling predictions calculated using Oddo-Tomson model

This document contains the confidential and/or proprietary information of Nalco Champion. The recipient agrees to maintain the confidentiality of the terms of this document, and shall not reproduce it by any means, disclose the contents of it to any third party, or use the contents of it for any purpose other than the purpose for which it was intended by Nalco Champion.