

30-045-26047



H&M Precision Products
Water Analysis Report

Company: SouthLand Royalty
Location: CANDELARIA ETAL 1E
Field: 0
Sample Date: June 7, 2018

API#
County & State: (blank)

CANDELARIA ETAL 1E

Sampled At: WH
pH: 10.51
Sample Temperature: 70 °C
Manganese: 10 mg/L
BaSO4 Scale Possible: YES

Cations

Sodium: 303.5 mg/L
Calcium: 107.1 mg/L
Magnesium: 44.962 mg/L
Iron: 3.6 mg/L
Barium: 2 mg/L
Total 461.182 mg/L

Residuals

Chemical Residuals: na PPM.
Amine Residuals: NA PPM.

Current Treatments

Not Currently Treating (blank) (blank)

Total Dissolved Solids @ 180°C: 1857.182 mg/L
Specific Gravity: 1.0015
Ionic Strength: 0.037
CaCO3 Scaling Tendency @ 104°F: 93.7144913
Units for scaling tendency=pounds of scale produced per 1000 bbls of water.

Anions

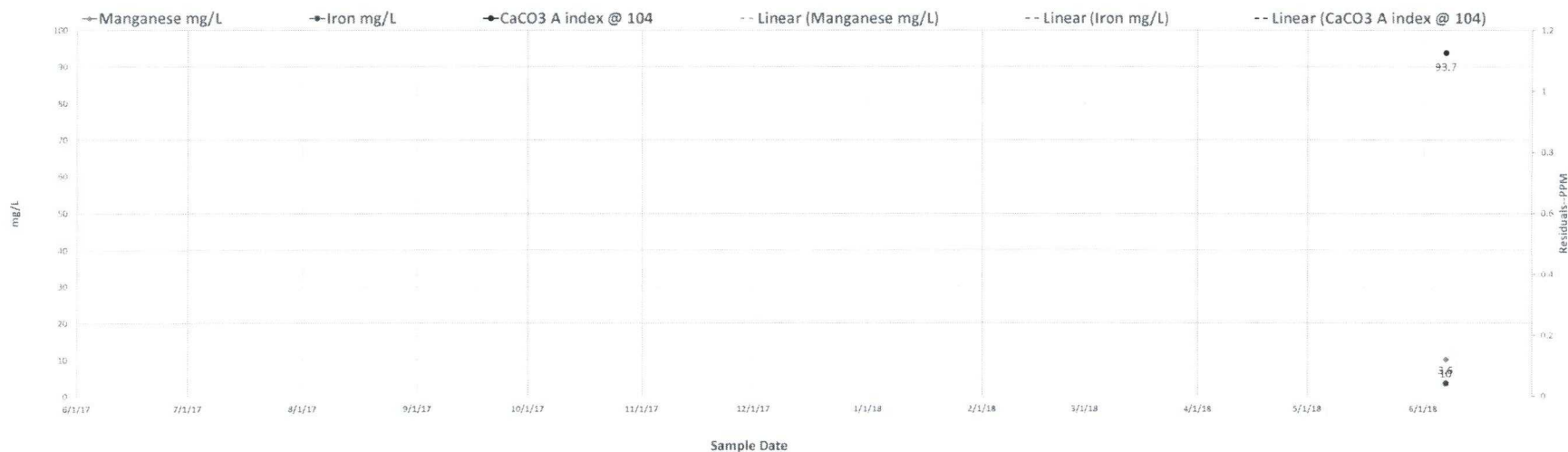
Sulfate: 536 mg/L
Chloride: 500 mg/L
Bicarbonate: 360 mg/L
Total 1396 mg/L

Bacteria Culture Results *Cultures are incubated for 21 days--results may be from a previous sample.*

Last Injection Date: na
Acid Producing Bacteria Culture Bottles Positive: na bottles
Sulfate Producing Bacteria Culture Bottles Positive: na bottles

Well Snap Shot

	Sampled At	Manganese mg/L	Iron mg/L	Scaling Tendency @ 104°F	Driver
June 7, 2018	WH	10	3.6	93.71	CUST
January 0, 1900	0	0	0	0.00	0
January 0, 1900	0	0	0	0.00	0
January 0, 1900	0	0	0	0.00	0



NMOC
JUN 18 2018
DISTRICT III