



FORMATION WATER

PROJECT NO. : 201412099
 COMPANY NAME : NIGHTHAWK PRODUCTION
 ACCOUNT NO. :
 PRODUCER :
 LEASE NO. :
 NAME/DESCRIP : TANK BATTERY 11:35
 SNOWBIRD 16-15

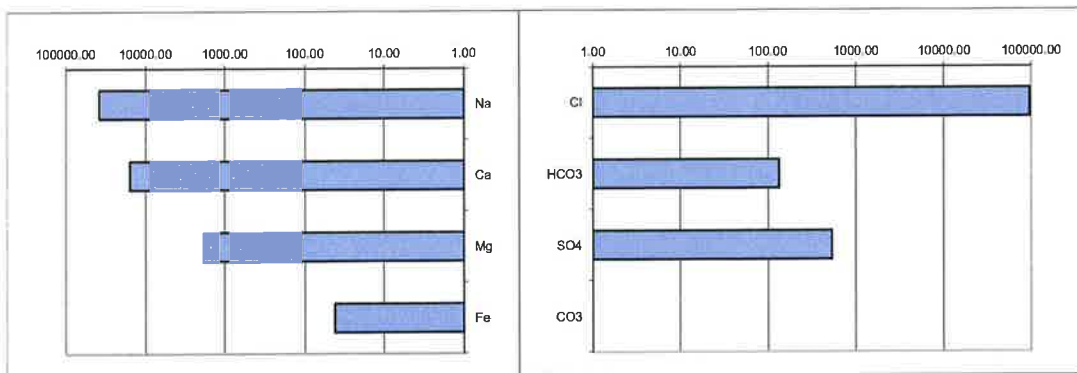
ANALYSIS NO. : 02
 ANALYSIS DATE: DECEMBER 17, 2014
 SAMPLE DATE : DECEMBER 11, 2014
 CYLINDER NO. : 1L GLASS JAR
 SAMPLED BY : GALE MCENDREE
 EMPACT

*****FIELD DATA*****

SAMPLE PRES. :
 COMMENTS : SPOT; H2O #1

SAMPLE TEMP. :
 AMBIENT TEMP.:

<u>PARAMETER</u>	<u>METHOD</u>	<u>DETECTION LIMIT</u>	<u>REPORTED RESULTS/UNITS</u>	
Ammonia Nitrogen	SM 4500-NH3-G	0.03	17.13	mg/L
Bicarbonate	SM 2320-B	0.1	133.30	mg/L
Boron	SM 4500-B B	0.01	19.05	mg/L
Calcium - Total	SM 3111-B	0.1	15770.00	mg/L
Calcium - Hardness	SM 3111-B	0.1	39377.70	mg/L as CaCO3
Carbonate	SM 2320-B	0.1	BDL	mg/L
Chloride	EPA 300.0	0.01	95606.53	mg/L
Iron - Total	SM 3111-B	0.005	42.05	mg/L
Magnesium - Total	SM 3111-B	0.1	1843.00	mg/L
Nitrate Nitrogen	EPA 300.0	0.02	4.60	mg/L
pH	SM 4500-H-B	0.01	6.09	units
Potassium - Total	SM 3111-B	0.1	1085.50	mg/L
Resistivity @ 77° F	SM 2520 B	0.01	0.07	ohm.m
Sodium - Total	SM 3111-B	0.1	37979.80	mg/L
Sodium Adsorption Ratio	SM 3111-B	0.1	76.30	units
Specific Gravity	SM 2710 F	0.001	1.11	g/ml
Sulfate	EPA 300.0	0.01	534.16	mg/L
Total Alkalinity	SM 2320-B	0.1	109.30	mg/L as CaCO3
Total Dissolved Solids	SM 2540-C	5	159820.00	mg/L



BDL = Below Dection Limit

mg/L = Milligram Per Liter or ppm (wt/vol); ug/L = Micrograms Per Liter or PPB (wt/vol)

SM = "Standard Methods for the Examination of Water and Wastewater", APHA, 19th Edition, 1995

EPA = "Methods of Chemical Analysis of Water and Wastes", USEPA, EPA-600/4-79-020 rev 3/83

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