



<b>Container Identification</b>
PB1A

<b>Operator Name</b>
HITIC ENERGY

<b>Laboratory Number</b>
14WR800814A

<b>Unique Well Identifier</b>	<b>Well Name</b>
100/01-18-065-18W5/00	HEL Hz KABOB 1-18-65-18

<b>Field or Area</b>	<b>Pool or Zone</b>	<b>Sampler's Company</b>
KAYBOB	NOT AVAILABLE	CENTENNIAL WELL TESTING

<b>Well License</b>	<b>Elevation</b>		<b>Test Type</b>	<b>Test No.</b>	<b>Name of Sampler</b>
0453977	KB m	GRD m			NOT AVAILABLE

<b>Test Interval or Perfs mKB</b>	<b>Sampling Point</b>	<b>Separator</b>	<b>Reservoir</b>	<b>Source</b>	<b>Sampled</b>	<b>Received</b>
	STOCK TANK					
		Pressure (kPa)				
		Temperature				

<b>Date Sampled</b>	<b>Date Received</b>	<b>Date Analyzed</b>	<b>Date Reported</b>	<b>Location - Approved By - Title</b>
Jan 10, 2013	Jan 14, 2014	Jan 16, 2014	Jan 16, 2014	Calgary - Benita Cortez - Reporter

<b>Other Information</b>
TIGHT HOLE; POOL: DUNUARY

\* Results relate only to the items tested

Note: Sampling Point, Unique Well Identifier and/or Pool or Zone information was unavailable at time of reporting. This information is integral to AGAT's WebFLUIDs, a comparison, history and trending analysis system.

### Cations

ION	mg/L	mmol/L	meq/L
Na	32500.0	1413.7	1413.7
K	1240.0	31.7	31.7
Ca	3660.0	91.3	182.6
Mg	373.0	15.3	30.7
Fe	84.9	1.5	3.0

**Total Cations** 1661.7

### Anions

ION	mg/L	mmol/L	meq/L
Cl	62481.0	1762.4	1762.4
HCO <sub>3</sub>	237.9	3.9	3.9
SO <sub>4</sub>	671.0	7.0	14.0
CO <sub>3</sub>	Nil	Nil	Nil
OH	Nil	Nil	Nil

**Total Anions** 1780.3

### Other Measurements

Measurement	Value
Total Dissolved Solids (Calculated) mg/L	101042
Observed pH	6.61
H <sub>2</sub> S (25°C) mg/L	N/D
Relative Density (25°C)	1.072
Resistivity/OHM-m (25°C)	0.089
Salinity %	10.53
Total Alkalinity as CaCO <sub>3</sub>	195.00

This analysis and calculations are based on:

pH = SM 4500 H+  
 Alkalinity = SM 2320  
 Cations = EPA SW-846 7000B  
 Anions = SM 4110B  
 H<sub>2</sub>S = SM 4500 S<sup>-2</sup>

**Stiff Diagram (meq/L)**

