

Well File

AGAT[®] Laboratories

WATER ANALYSIS

Container Identification PB1A		Laboratory Number W91313A																					
Operator Name PARAMOUNT RESOURCES LTD.																							
Unique Well Identifier N-01 LIARD	Well Name N-01 CASING		Elevation KB m GRD m																				
Field or Area B.C.	Pool or Zone NOT AVAILABLE	Sampler's Company SAME																					
Test Type	Test No.	Test Recovery	Name of Sampler																				
Test Interval or Perfs		Sampling Point SEPARATOR	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Separator</th> <th>Reservoir</th> <th>Source</th> <th>Sampled</th> <th>Received</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="2">Pressure (kPa)</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="2">Temperature (°C)</td> <td> </td> <td> </td> <td> </td> </tr> </table>	Separator	Reservoir	Source	Sampled	Received						Pressure (kPa)					Temperature (°C)				
Separator	Reservoir	Source	Sampled	Received																			
Pressure (kPa)																							
Temperature (°C)																							
Date Sampled Oct 08, 2001	Date Received Nov 16, 2001	Date Reported Nov 23, 2001	Entered By LN Certified By DR																				
Other Information																							

Cations

ION	mg/L	Mass Fraction	mmol/L
Na	2068.0	0.285	90.0
K	294.0	0.041	7.5
Ca	137.0	0.019	3.4
Mg	7.8	0.001	0.3
Ba	3.7	0.001	Trace
Sr	Trace	Trace	Trace
Fe	3.6	Trace	0.1

Total Cations 105.1

Anions

ION	mg/L	Mass Fraction	mmol/L
Cl	1566.0	0.216	44.2
Br	5.8	0.001	0.1
I	Trace	Trace	Trace
HCO ₃	3034.8	0.419	49.7
SO ₄	123.0	0.017	1.3
CO ₃	Nil	Nil	Nil
OH	Nil	Nil	Nil

Total Anions 96.5

Other Measurements

Measurement	Value
Total Dissolved Solids (Calculated) mg/L	7243
Total Dissolved Solids (110°C) mg/L	5680
Total Dissolved Solids (180°C) mg/L	5650
Total Dissolved Solids (at Ignition) mg/L	5900
Observed pH	8.26
H ₂ S (25°C) mg/L	N/D
Relative Density (25°C)	1.004
Refractive Index (25°C)	1.3289
Resistivity / OHM-m (25°C)	1.154
Salinity ‰	0.28

Logarithmic Pattern mmol/L

