



### WATER ANALYSIS

<b>Container Identification</b> PB 1A		<b>Previous Number</b> WF62728C		<b>Laboratory Number</b> W62987A		
<b>Operator Name</b> PARAMOUNT RESOURCES LTD.						
<b>Uniquo Well Identifier</b> I-02		<b>Well Name</b> PARA ET AL MOUNT COTY I-02			<b>Elevation</b> KB m 372.95 GRD m 367.90	
<b>Field or Area</b> MOUNT COTY		<b>Pool or Zone</b> MATTSON SAND		<b>Sampler's Company</b> SOLID PRODUCTION SERVICES		
<b>Test Type</b>	<b>Test No.</b>	<b>Test Recovery</b>			<b>Name of Sampler</b>	
<b>Test Interval or Perfs</b> 1059.00-1067.00 mKB		<b>Sampling Point</b> FRAC MANIFOLD		<b>Separator</b>	<b>Reservoir</b>	<b>Source</b>
				<b>Pressure (kPa)</b>		
				<b>Temperature (°C)</b>		
<b>Date Sampled</b> Dec 19, 2000		<b>Date Received</b> Dec 22, 2000		<b>Date Reported</b> Dec 22, 2000		<b>Analyst</b> LN
<b>Other Information</b>						

#### Cations

ION	mg/L	Mass Fraction	mmol/L
Na	3010.0	0.338	130.9
K	101.0	0.011	2.6
Ca	40.3	0.005	1.0
Mg	15.0	0.002	0.6
Fe	14.0	0.002	0.3

#### Anions

ION	mg/L	Mass Fraction	mmol/L
Cl	4094.0	0.460	115.5
HCO <sub>3</sub>	1345.1	0.151	22.0
SO <sub>4</sub>	289.5	0.032	3.0
CO <sub>3</sub>	Nil	Nil	Nil
OH	Nil	Nil	Nil

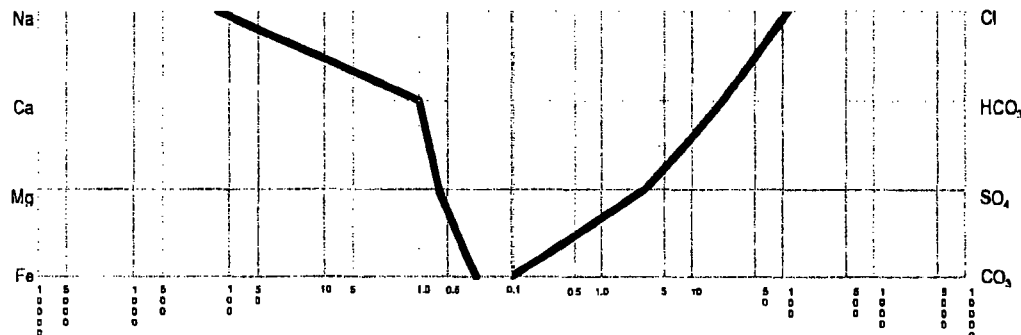
#### Other Measurements

Measurement	Value
Total Dissolved Solids (Calculated) mg/L	8908
Observed pH	7.98
H <sub>2</sub> S (25°C) mg/L	N/D
Relative Density (25°C)	1.005
Resistivity / OHM-m (25°C)	0.816
Salinity %	0.74

Total Cations 137.3

Total Anions 143.5

#### Logarithmic Pattern mmol/L





### WATER ANALYSIS

<b>Container Identification</b> PB 2B		<b>Previous Number</b> W62987A		<b>Laboratory Number</b> W62987B		
<b>Operator Name</b> PARAMOUNT RESOURCES LTD.						
<b>Unique Well Identifier</b> I-02		<b>Well Name</b> PARA ET AL MOUNT COTY I-02			<b>Elevation</b> KB m 372.95 GRD m 367.90	
<b>Field or Area</b> MOUNT COTY		<b>Pool or Zone</b> MATTSON SAND		<b>Sampler's Company</b> SOLID PRODUCTION SERVICES		
<b>Test Type</b>	<b>Test No.</b>	<b>Test Recovery</b>			<b>Name of Sampler</b>	
<b>Test Interval or Perfs</b> 1059.00-1067.00 mKB		<b>Sampling Point</b> FRAC MANIFOLD		<b>Separator</b>	<b>Reservoir</b>	<b>Source</b>
				Pressure (kPa)		
				Temperature (°C)		
<b>Date Sampled</b> Dec 19, 2000		<b>Date Received</b> Dec 22, 2000		<b>Date Reported</b> Dec 22, 2000		<b>Analyst</b> LN
<b>Other Information</b>						

#### Cations

ION	mg/L	Mass Fraction	mmol/L
Na	3000.0	0.340	130.5
K	98.0	0.011	2.5
Ca	39.8	0.005	1.0
Mg	14.6	0.002	0.6
Fe	13.2	0.001	0.2

#### Anions

ION	mg/L	Mass Fraction	mmol/L
Cl	4094.0	0.464	115.5
HCO <sub>3</sub>	1330.1	0.151	21.8
SO <sub>4</sub>	230.5	0.026	2.4
CO <sub>3</sub>	Nil	Nil	Nil
OH	Nil	Nil	Nil

#### Other Measurements

Measurement	Value
Total Dissolved Solids (Calculated) mg/L	8820
Observed pH	8.08
H <sub>2</sub> S (25°C) mg/L	N/D
Relative Density (25°C)	1.005
Resistivity / OHM-cm (25°C)	0.829
Salinity %	0.74

Total Cations 136.7

Total Anions 142.1

#### Logarithmic Pattern mmol/L

