



WATER ANALYSIS

001 - 4

CONTAINER IDENTITY

METER ID

1861

WELL LICENSE NUMBER

52136-2003-0125

LABORATORY FILE NUMBER

Paramount Resources Ltd.

OPERATOR

6

PAGE

Para et al Fort Liard I-46

543.0

537.5

LOCATION (UWI)

WELL NAME

KB ELEV (m)

GR ELEV (m)

Fort Liard

Upper Mattson

Opsco Energy

FIELD OR AREA

POOL OR ZONE

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

Manifold

POINT OF SAMPLE

CORE LAB SAMPLE POINT ID

1616.0 - 1619.0

PUMPING

FLOWING

GAS LIFT

SWAB

WATER

m³/d

OIL

m³/d

GAS

m³/d

TEST INTERVAL or PERFS (meters)

SEPARATOR

RESERVOIR

OTHER

CONTAINER WHEN SAMPLED

CONTAINER WHEN RECEIVED

SEPARATOR

OTHER

at 09:45 hrs

Pressures, kPa (gauge)

Temperatures, °C

2003 01 05

2003 01 16

2003 01 22

sb

DATE SAMPLED (Y/M/D)

DATE RECEIVED (Y/M/D)

DATE ANALYZED (Y/M/D)

ANALYST

AMT. AND TYPE CUSHION

MUD RESISTIVITY

CATIONS

ANIONS

Total Dissolved Solids

(mg/L)

ION	mg/L	mg Fraction	meq/L	ION	mg/L	mg Fraction	meq/L
Na	147	0.1898	6.4	Cl	418	0.5400	11.8
K	19	0.0245	0.5	Br			
Ca	35	0.0448	1.7	I			
Mg	8.7	0.0112	0.7	HCO ₃	52	0.0671	0.9
Ba				SO ₄	95	0.1225	2.0
Sr				CO ₃	0.00	0.0000	0.0
Fe	Pres.			OH	0.00	0.0000	0.0
Mn				H ₂ S	N.D.		

By Evaporation @ 110 °C

By Evaporation @ 180 °C

775

At Ignition

Calculated

0.9996 @ 15.6 °C

1.3349 @ 18 °C

Specific Gravity

Refractive Index

6.5

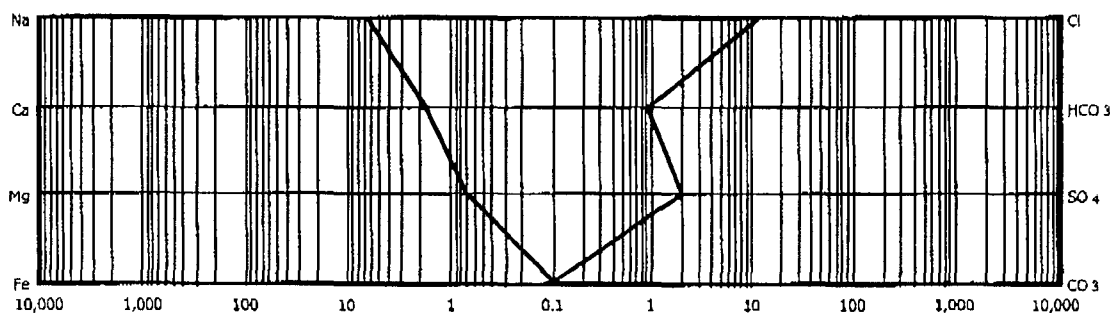
1.723 @ 25 °C

pH

Resistivity (Ohm-Meters)

LOGARITHMIC PATTERNS OF DISSOLVED IONS

meq/L



REMARKS: N.D.- Not Detected Pres. - Analyte Present
 Hydrocarbon present in sample (refer to Specific Gravity).
 Cation/Anion ratio may be affected by interferences present in the sample.