



N.E.B. COPY

OIL ANALYSIS

Container Identification
PB-4

Laboratory Number
OG63754D

Operator Name
PARAMOUNT RESOURCES LTD.

Unique Well Identifier	Well Name	Elevation
NOT AVAILABLE	PARA et al FORT LIARD N-01	KB m 492.10 GRD m 487.00

Field or Area	Pool or Zone	Sampler's Company
FORT LIARD	MATTSON	ALPINE

Test Type	Test No.	Test Recovery	Name of Sampler
DST	1	LATITUDE 60 deg 10' LONGITUDE 123 deg 15'	

Test Interval or Perfs	Sampling Point	Separator	Reservoir	Source	Sampled	Received
1682.00-1691.00	4	Pressure (kPa)				
mKB		Temperature (°C)				

Date Sampled	Date Received	Date Reported	Analyst
Jan 07, 2001	Jan 12, 2001	Jan 16, 2001	H,J

Other Information

Sample Properties

Colour of Clean Oil	Colour Number ASTM D-1500
Colorless	L-1 A.S.T.M.

B.S. & W. (Volume Fraction)

Water	Sediment	Total
Trace	Trace	Trace
Free Water		
36 vol %		

Density - After Cleaning

API Gravity @ 15°C	Relative	Absolute kg/m ³
47.93	0.7886	787.9

Total Sulphur Mass Fraction	Pour Point / °C (A.S.T.M. D-97)
0.00027	<-50

Viscosity

Temp °C	Absolute mPa·s	Kinematic mm ² /s-1
25	0.93	1.19
38	0.78	1.01
50	0.66	0.87

Distillation

Volume Fraction	Temp / °C
0.05	120.1
0.10	128.2
0.15	134.2
0.20	140.3
0.25	146.3
0.30	152.4
0.35	158.5
0.40	164.5
0.45	169.6
0.50	175.6
0.55	182.7
0.60	189.8
0.65	196.9
0.70	204.9
0.75	215.1
0.80	228.2
0.85	240.3
0.90	250.4
0.95	261.5
F.B.P.	263.6

Method
A.S.T.M. -D86*

Initial Boiling Point
103.9

Absolute Barometric Pressure (kPa)
89.7

Room Temp (°C)
21.0

Characterization Factor
11.8

200 °C Naphtha	275 °C Kerosene	350 °C Light Gas Oil
0.67	0.97	0.00
Recovered	Residue	Distillation Loss
0.97	0.03	0.00

Remarks:

BS&W performed on oil portion only. The distillation temperatures have been corrected to 101.3 kPa (abs).

