



1076/195P

OIL ANALYSIS

Container Identification
PB1

Laboratory Number
04OR79197A

Operator Name
PARAMOUNT RESOURCES LTD.

Unique Well Identifier	Well Name	Elevation
300K196010117300K-19	PARA et al CAMERON 300K196010117300K-19	KB m 790.92 GRD m 786.32

Field or Area	Pool or Zone	Sampler's Company
CAMERON	SULPHUR POINT	SELECT PRODUCTION SERVICES

Test Type	Test No.	Test Recovery	Name of Sampler

Test Interval or Perfs	Sampling Point	Separator	Reservoir	Source	Sampled	Received
1443.0-1447.0	PRESSURE VESSEL	Pressure (kPa)				
1450.3-1452.0		Temperature				

Date Sampled	Date Received	Date Reported	Entered By	Certified By
	Apr 08, 2004	Apr 23, 2004	EC	ES

Other Information

Sample Properties

Distillation

Colour of Clean Oil	Colour Number ASTM D-1500
Dk. Brown	D8 A.S.T.M.

B.S. & W. (Volume Fraction)

Water	Sediment	Total
0.062	0.010	0.072
Free Water		
17.40 vol %		

Density - After Cleaning

API Gravity @ 15°C
30.15

Relative	Absolute kg/m³
0.8753	874.6

Total Sulphur Mass Fraction	Pour Point / °C (A.S.T.M. D-97)
0.00790	12

Viscosity

Temp °C	Absolute mPa·s	Kinematic mm²/s-1
25	16.50	19.00
38	7.57	8.80
50	4.35	5.10

Volume Fraction	Temp / °C
0.05	176.9
0.10	203.2
0.15	234.6
0.20	257.8
0.25	277.0
0.30	296.3
0.35	310.4
0.40	326.6
0.45	343.8
0.50	356.9

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

Initial Boiling Point
136.5

Absolute Barometric Pressure (kPa)
89.0

Room Temp (°C)
23.0

Final Boiling Point	Characterization Factor
357.9	11.7

200 °C Naphtha	275 °C Kerosene	350 °C Light Gas Oil
0.09	0.24	0.47

Recovered	Residue	Distillation Loss
0.53	0.46	0.01

Other Comments:

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

