



Container Identification
PB-4

Laboratory Number
OE09422A

Operator Name
PARAMOUNT RESOURCES

Unique Well Identifier	Well Name	Elevation	
NOT AVAILABLE	PARA et al CAMERON H-03	KB m	768.97 GRD m 764.50

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

Test Type	Test No.	Test Recovery	Name of Sampler

Test Interval or Perfs	Sampling Point	Separator	Reservoir	Source	Sampled	Received
1421.0-1426.0	MANIFOLD	Pressure (kPa)				
mKB		Temperature (°C)				

Date Sampled	Date Received	Date Reported	Entered By	Certified By
Mar 22, 2002	Apr 02, 2002	Apr 10, 2002	GE	ES

Other Information
FLOW LINE MANIFOLD

Sample Properties

Colour of Clean Oil	Colour Number ASTM D-1500
Dk. Brown	D-8 A.S.T.M.

B.S. & W. (Volume Fraction)

Water	Sediment	Total
0.020	0.002	0.022

Free Water

9.7 vol %

API Gravity @ 15°C

32.92

Density - After Cleaning

Relative	Absolute kg/m³
0.8606	859.9

Total Sulphur Mass Fraction

0.01012

Pour Point / °C (A.S.T.M. D-97)

3

Viscosity

Temp °C	Absolute mPa·s	Kinematic mm²/s
25	8.96	10.50
38	5.75	6.80
50	4.05	4.84

Distillation

Method

A.S.T.M. -D86*

Initial Boiling Point

102.1

Absolute Barometric Pressure (kPa)

89.0

Room Temp (°C)

21.0

Characterization Factor

11.9

Volume Fraction	Temp / °C
0.05	147.6
0.10	188.0
0.15	210.3
0.20	231.5
0.25	249.7
0.30	261.9
0.35	275.0
0.40	290.2
0.45	304.3
0.50	318.5
0.55	335.7
0.60	352.8
FRP	353.9

200 °C Naphtha

0.13

275 °C Kerosene

0.35

350 °C Light Gas Oil

0.59

Recovered

0.63

Residue

0.36

Distillation Loss

0.01

Remarks:

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





Container Identification PB-6		Laboratory Number OE09422B																
Operator Name PARAMOUNT RESOURCES																		
Unique Well Identifier NOT AVAILABLE	Well Name PARA et al CAMERON H-03		Elevation KB m 768.97 GRD m 764.50															
Field or Area CAMERON	Pool or Zone SULPHUR POINT	Sampler's Company SOLID PRODUCTION SERVICES																
Test Type	Test No.	Test Recovery	Name of Sampler															
Test Interval or Perfs 1421.0-1426.0 mKB		Sampling Point MANIFOLD	<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>Pressure (kPa)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Temperature (°C)</td> <td></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 Mar 29, 2002	Date Received Apr 02, 2002	Date Reported Apr 10, 2002	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Entered By</th> <th>Certified By</th> </tr> <tr> <td>GE</td> <td>ES</td> </tr> </table>	Entered By	Certified By	GE	ES											
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GE	ES																	
Other Information FLOW LINE MANIFOLD																		

Sample Properties

Colour of Clean Oil	Colour Number ASTM D-1500
Dk. Brown	D-8 A.S.T.M.

B.S. & W. (Volume Fraction)

Water	Sediment	Total
0.001	0.006	0.007
Free Water		
35.5 vol %		

API Gravity @ 15°C
32.98

Density - After Cleaning

Relative	Absolute kg/m ³
0.8603	859.6

Total Sulphur Mass Fraction	Pour Point / °C (A.S.T.M. D-97)
0.00996	0

Viscosity

Temp °C	Absolute mPa's	Kinematic mm ² s ⁻¹
25	8.62	10.10
38	5.48	6.48
50	3.84	4.58

Distillation

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

Initial Boiling Point
100.1

Absolute Barometric Pressure (kPa)
88.8

Room Temp (°C)
21.0

Characterization Factor
11.9

Volume Fraction	Temp / °C
0.05	145.7
0.10	174.0
0.15	197.2
0.20	220.5
0.25	237.7
0.30	254.9
0.35	269.0
0.40	285.2
0.45	303.4
0.50	318.6
0.55	334.8
0.60	349.9
FRP	351.9

200 °C Naphtha
0.16

275 °C Kerosene
0.37

350 °C Light Gas Oil
0.00

Recovered
0.63

Residue
0.36

Distillation Loss
0.01

Remarks:

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

