



Container Identification. 17865E		Laboratory Number GE70314E																
Operator Name PARAMOUNT RESOURCES LTD.																		
Unique Well Identifier NOT AVAILABLE		Well Name A73 PARAMOUNT et al SWEDE																
Field or Area SWEDE		Elevation KB m 679.60 GRD m 675.60																
Pool or Zone SLAVE POINT <i>Sulphur Point</i>		Sampler's Company SOLID PRODUCTION SERVICES																
Test Type	Test No.	Test Recovery	Name of Sampler															
Test Interval or Perfs		Sampling Point METER RUN																
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Separator</td> <td style="padding: 2px;">Reservoir</td> <td style="padding: 2px;">Source</td> <td style="padding: 2px;">Sampled</td> <td style="padding: 2px;">Received</td> </tr> <tr> <td style="padding: 2px;">Pressure (kPa)</td> <td style="padding: 2px;"> </td> <td style="padding: 2px;">1793</td> <td style="padding: 2px;">1793</td> <td style="padding: 2px;">1400</td> </tr> <tr> <td style="padding: 2px;">Temperature (°C)</td> <td style="padding: 2px;"> </td> <td style="padding: 2px;">25</td> <td style="padding: 2px;">25</td> <td style="padding: 2px;">21</td> </tr> </table>		Separator	Reservoir	Source	Sampled	Received	Pressure (kPa)		1793	1793	1400	Temperature (°C)		25	25	21
Separator	Reservoir	Source	Sampled	Received														
Pressure (kPa)		1793	1793	1400														
Temperature (°C)		25	25	21														
Date Sampled Mar 04, 2001		Date Received Mar 30, 2001																
Date Reported Apr 09, 2001		Analyst PL																
Other Information FIELD H2S 1.2%																		

COMP	MOLE FRACTION		PETROLEUM LIQUID mL • m³
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H2	0.0000	0.0000	
He	0.0010	0.0011	
N2	0.0173	0.0184	
CO2	0.0471	0.0000	
H2S	0.0120	0.0000	
C1	0.8965	0.9529	
C2	0.0134	0.0142	23.9
C3	0.0065	0.0069	
IC4	0.0011	0.0012	4.8
NC4	0.0024	0.0026	10.1
IC5	0.0007	0.0007	3.4
NC5	0.0007	0.0007	3.4
C6	0.0007	0.0007	3.8
C7+	0.0006	0.0006	3.8
Total	1.0000	1.0000	53.2

GROSS HEATING VALUE MJ/m³ 15° C AND 101.325 kPa

Air Free As Received	Moisture & Acid Gas Free
36.56	38.51

RELATIVE DENSITY (CALCULATED)

Moisture Free	Moisture & Acid Gas Free
0.638	0.586

PSEUDO CRITICAL PROPERTIES (CALCULATED)

As Sampled		Acid Gas Free	
pPc (abs) kPa	pTc K	pPc (abs) kPa	pTc K
4757	201.1	4571	193.7

RELATIVE MOLECULAR MASS

Total Gas	C7+
18.5	102.5

VAPOUR PRESSURE (Pentanes +)

75.46 kPa

H2S g/m³

17.26

Note: Sampling Point, Unique Well Identifier and/or Pool or Zone information was unavailable at time of reporting. This information is integral to AGAT's WinFLUID, a comparison, history and trending analysis system.




Container Identification

17865E

Laboratory Number

GE70314E

Operator Name

PARAMOUNT RESOURCES LTD.

Unique Well Identifier

NOT AVAILABLE

Well Name

A73 PARAMOUNT et al SWEDE

Elevation

KB m 679.60 GRD m 675.60

Field or Area

SWEDE

Pool or Zone
~~SLAVE POINT~~
Sulphur Point

Sampler's Company

SOLID PRODUCTION SERVICES

Test Type
Test No.
Test Recovery
Name of Sampler
Test Interval or Perfs
Sampling Point

METER RUN

Separator
Reservoir
Source
Sampled
Received

Pressure (kPa)

1793

1793

1400

Temperature (°C)

25

25

21

Date Sampled

Mar 04, 2001

Date Received

Mar 30, 2001

Date Reported

Apr 09, 2001

Analyst

PL

Other Information

FIELD H₂S 1.2%

COMP	MOLE FRACTION		PETROLEUM LIQUID mL • m ³
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	0.0000	0.0000	
He	0.0010	0.0011	
N ₂	0.0173	0.0184	
CO ₂	0.0471	0.0000	
H ₂ S	0.0120	0.0000	
C ₁	0.8965	0.9529	
C ₂	0.0134	0.0142	
C ₃	0.0065	0.0069	23.9
IC ₄	0.0011	0.0012	4.8
NC ₄	0.0024	0.0026	10.1
IC ₅	0.0007	0.0007	3.4
NC ₅	0.0007	0.0007	3.4
C ₆	0.0007	0.0007	3.8
C ₇₊	0.0006	0.0006	3.8
Total	1.0000	1.0000	53.2

GROSS HEATING VALUE MJ/m³
15° C AND 101.325 kPa

Air Free As Received	Moisture & Acid Gas Free
36.56	38.51

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VAPOUR PRESSURE
(Pentanes +)

75.46 kPa

H₂S g/m³

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Note: Sampling Point, Unique Well Identifier and/or Pool or Zone information was unavailable at time of reporting. This information is integral to AGAT's WinFLUID, a comparison, history and trending analysis system.





Container Identification 21788F		Laboratory Number GE70314F																
Operator Name PARAMOUNT RESOURCES LTD.																		
Unique Well Identifier NOT AVAILABLE	Well Name A73 PARAMOUNT et al SWEDE		Elevation KB m 679.60 GRD m 675.60															
Field or Area SWEDE	Pool or Zone SLAVE POINT <i>Sulphur Point</i>	Sampler's Company SAME																
Test Type	Test No.	Test Recovery	Name of Sampler															
Test Interval or Perfs		Sampling Point METER RUN	<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>1708</td> <td>1708</td> <td>1300</td> </tr> <tr> <td>Temperature (°C)</td> <td></td> <td>21</td> <td>21</td> <td>21</td> </tr> </table>	Separator	Reservoir	Source	Sampled	Received	Pressure (kPa)		1708	1708	1300	Temperature (°C)		21	21	21
Separator	Reservoir	Source	Sampled	Received														
Pressure (kPa)		1708	1708	1300														
Temperature (°C)		21	21	21														
Date Sampled Mar 08, 2001	Date Received Mar 30, 2001	Date Reported Apr 09, 2001	Analyst PL															
Other Information FIELD H ₂ S 0.8% LAB H ₂ S 1.26%																		

COMP	MOLE FRACTION		PETROLEUM LIQUID mL • m ³
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	0.0007	0.0007	
He	0.0009	0.0010	
N ₂	0.0151	0.0160	
CO ₂	0.0457	0.0000	
H ₂ S	0.0126	0.0000	
C ₁	0.8993	0.9552	
C ₂	0.0133	0.0141	
C ₃	0.0066	0.0070	24.2
IC ₄	0.0010	0.0011	4.4
NC ₄	0.0024	0.0025	10.1
IC ₅	0.0007	0.0007	3.4
NC ₅	0.0007	0.0007	3.4
C ₆	0.0006	0.0006	3.3
C ₇ +	0.0004	0.0004	2.5
Total	1.0000	1.0000	51.3

GROSS HEATING VALUE MJ/m³
15° C AND 101.325 kPa

Air Free As Received	Moisture & Acid Gas Free
36.62	38.52

RELATIVE DENSITY (CALCULATED)

Moisture Free	Moisture & Acid Gas Free
0.634	0.584

PSEUDO CRITICAL PROPERTIES (CALCULATED)

As Sampled		Acid Gas Free	
pPc (abs) kPa	pTc K	pPc (abs) kPa	pTc K
4757	201.0	4573	193.6

RELATIVE MOLECULAR MASS

Total Gas	C ₇ +
18.4	100.2

VAPOUR PRESSURE
(Pentanes +)

82.84 kPa

H₂S g/m³

18.13

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Container Identification

21788F

Laboratory Number

GE70314F

Operator Name

PARAMOUNT RESOURCES LTD.

Unique Well Identifier

NOT AVAILABLE

Well Name

A73 PARAMOUNT et al SWEDE

Elevation

KB m 679.60 GRD m 675.60

Field or Area

SWEDE

Pool or Zone
~~SLAVE POINT~~
Sulphur Point

Sampler's Company

SAME

Test Type
Test No.
Test Recovery
Name of Sampler
Test Interval or Perfs
Sampling Point

METER RUN

Pressure (kPa)
Temperature (°C)
Separator
Reservoir
Source
Sampled
Received

1708

1708

1300

21

21

21

Date Sampled

Mar 08, 2001

Date Received

Mar 30, 2001

Date Reported

Apr 09, 2001

Analyst

PL

Other Information

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N2	0.0151	0.0160	
CO2	0.0457	0.0000	
H2S	0.0126	0.0000	
C1	0.8993	0.9552	
C2	0.0133	0.0141	
C3	0.0066	0.0070	24.2
IC4	0.0010	0.0011	4.4
NC4	0.0024	0.0025	10.1
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