

AGAT Laboratories**GAS ANALYSIS**

CONTAINER IDENTIFICATION

AGAT 30768

LABORATORY NUMBER

GF34205G

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS

GRD m

PARAMOUNT et al LIARD F-36

470.30

464.80

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

LIARD

MATTSON

BAKER

TEST TYPE

NO

TEST RECOVERY

DST

4

60 DEG. 5' 46" latitude 123 DEG. 22' 6" longitude

TEST INTERVAL OR PERFS

1559.7-1565.6

mKB

SAMPLING POINT

FLARE LINE

GAUGE PRESSURE kPa

TEMPERATURE °C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

4700

21

DATE SAMPLED (Y-M-D)

98-12-28

DATE RECEIVED (Y-M-D)

99-01-05

DATE REPORTED (Y-M-D)

99-01-07

ANALYST

LQ

NCO

OTHER INFORMATION

END OF VALVE OPEN

COMP	MOLE FRACTION		PETROLEUM LIQUID CONTENT mL · m ⁻³
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	TRACE	TRACE	
H ₂	0.0001	0.0001	
N ₂	0.0025	0.0026	
CO ₂	0.0163	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.9532	0.9689	
C ₂	0.0215	0.0219	
C ₃	0.0040	0.0041	14.9
iC ₄	0.0012	0.0012	5.1
nC ₄	0.0005	0.0005	2.0
iC ₅	0.0001	0.0001	0.6
nC ₅	0.0001	0.0001	0.7
C ₆	0.0004	0.0004	1.9
C ₇	0.0001	0.0001	0.9
C ₈	0.0000	0.0000	0.0
C ₉	0.0000	0.0000	0.0
C ₁₀₊	0.0000	0.0000	0.0
TOTAL	1.0000	1.0000	26.1

GROSS HEATING VALUE MJ·m⁻³
15° C AND 101.325 kPaMOISTURE AND
ACID GAS FREE

38.79

AIR FREE
AS RECEIVED

38.16

VAPOUR PRESSURE
PENTANES PLUS

60.4

kPa

-----RELATIVE DENSITY-----

MOISTURE FREE AS SAMPLED

MEASURED

CALCULATED

0.589

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

0.574

-----PSEUDO CRITICAL PROPERTIES (CALCULATED)-----

AS SAMPLED

dPC (800)

4648 kPa

dTC

196.0 K

ACID GAS FREE

dPC (800)

4602 kPa

dTC

194.2 K

-----RELATIVE MOLECULAR MASS-----

TOTAL GAS

17.1

C₇₊

100.2

H₂S (g/m³)

0.00

REMARKS

DST: 4 BHS: no # OP: 1300 psi
RECOVERY: HP GAS (BHS), HP GAS (BHS)