

AGAT[®] Laboratories**GAS ANALYSIS**

CONTAINER IDENTIFICATION

AGAT 20090

LABORATORY NUMBER

GF34205C

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

UNIQUE WELL IDENTIFIER

WELL NAME

PARAMOUNT et al LIARD F-36

ELEVATIONS

470.30

464.80

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

LIARD

MATTSON

ENTEST CORP.

TEST TYPE

NO.

TEST RECOVERY

FLOW

2

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

TEST INTERVAL OR PERFS

SAMPLING POINT

1494.0-1565.8

mKB

METER RUN

GAUGE PRESSURE kPa

TEMPERATURE °C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

375

-40

375

-40

530

21

DATE SAMPLED (Y-M-D)

DATE RECEIVED (Y-M-D)

DATE REPORTED (Y-M-D)

ANALYST

OTHER INFORMATION

98-12-28

99-01-05

99-01-11

PL

NCO

SAMPLE #28

COMP	MOLE FRACTION		PETROLEUM LIQUID CONTENT (mL + m ³)
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	0.0000	0.0000	
H ₆	0.0001	0.0001	
N ₂	0.0317	0.0322	
CO ₂	0.0160	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.9211	0.9362	
C ₂	0.0226	0.0230	
C ₃	0.0048	0.0048	17.6
iC ₄	0.0013	0.0013	5.6
nC ₄	0.0007	0.0007	3.1
iC ₅	0.0004	0.0004	2.0
nC ₅	0.0002	0.0002	1.1
C ₆	0.0004	0.0004	2.1
C ₇	0.0004	0.0004	2.4
C ₈	0.0003	0.0003	2.2
C ₉	0.0000	0.0000	0.0
C ₁₀₊	0.0000	0.0000	0.0
TOTAL	1.0000	1.0000	36.1

GROSS HEATING VALUE MJ/m³
19° C AND 101.325 kPaMOISTURE AND
ACID GAS FREE

37.92

AIR FREE
AS RECEIVED

37.32

VAPOUR PRESSURE
PENTANES PLUS

58.6

kPa

RELATIVE DENSITY

MOISTURE FREE AS SAMPLED

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

0.605

MEASURED

CALCULATED

0.590

PSEUDO CRITICAL PROPERTIES (CALCULATED)

AS SAMPLED

ACID GAS FREE

pPc (kPa)

pTc

pPc (kPa)

pTc

4611 kPa

194.8 K

4566 kPa

193.0 K

RELATIVE MOLECULAR MASS

TOTAL GAS

C₇₊

17.5

106.6

H₂S g/m³

0.00

REMARKS