



AGA

Laboratories

9211-P33-4-4RE



CALGARY

EDMONTON

GRANDE PRAIRIE

CALGARY COPY

GAS ANALYSIS

CONTAINER IDENTIFICATION

AGAT 18322

LABORATORY NUMBER

G5267A

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al CAMERON A-68

746.12

742.42

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

CAMERON HILLS

MUSKEG

NORTHLAND

TEST TYPE

NO

TEST RECOVERY

TEST INTERVAL OR PERFS

1418.0-1424.0

mKB

SAMPLING POINT

WELLHEAD

GAUGE PRESSURE kPa

TEMPERATURE °C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

700

700

600

23

DATE SAMPLED (Y-M-D)

DATE RECEIVED (Y-M-D)

DATE REPORTED (Y-M-D)

ANALYST

OTHER INFORMATION

91-03-01

91-03-11

91-03-12

LS

FIELD H2S = 6000ppm.

COMP.	MOLE FRACTION		PETROLEUM LIQUID CONTENT mL · m ⁻³
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	0.0011	0.0012	
He	0.0004	0.0005	
N ₂	0.0142	0.0160	
CO ₂	0.1090	0.0000	
H ₂ S	0.0060	0.0000	
C ₁	0.7635	0.8625	
C ₂	0.0580	0.0656	
C ₃	0.0345	0.0390	127.0
iC ₄	0.0037	0.0042	16.3
nC ₄	0.0050	0.0057	21.1
iC ₅	0.0010	0.0012	5.1
nC ₅	0.0011	0.0013	5.5
C ₆	0.0012	0.0013	6.3
C ₇₊	0.0013	0.0015	8.2
C ₈			
C ₉			
C ₁₀₊			
TOTAL	1.0000	1.0000	189.5

GROSS HEATING VALUE MJm⁻³
15° C AND 101.325 kPa

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

DETERMINED DEW POINT

VAPOUR PRESSURE PENTANES PLUS

42.77

°C

69.1 kPa

ACTUAL GROSS HEATING VALUE: 38.01

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

MOISTURE FREE AS SAMPLED

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

MEASURED

CALCULATED

0.753

0.656

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

AS SAMPLED

ACID GAS FREE

pPc (abs)

pTc

pPc (abs)

pTc

4901 kPa

219.1 K

4568 kPa

207.6 K

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

TOTAL GAS

C₇₊

21.8

105.1

H₂S g/m³

8.62

REMARKS:

EXCEED NORMAL LIMITS : CO2

