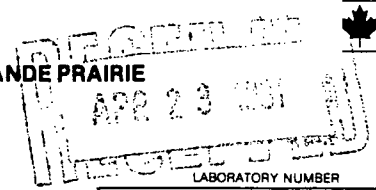


**AGA****Laboratories**

CALGARY

EDMONTON

GRANDE PRAIRIE

OTTAWA COPY**GAS ANALYSIS**

CONTAINER IDENTIFICATION

AGAT 17172

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

UNIQUE WELL IDENTIFIER

WELL NAME

KB m ELEVATIONS GRD m

PARAMOUNT et al CAMERON C-19

786.3

782.8

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

CAMERON

SULPHUR POINT

AB

NORTHLAND

TEST TYPE

NO

TEST RECOVERY

TEST INTERVAL OR PERFS

1438.0-1443.0
mKB

SAMPLING POINT

SWAB

GAUGE PRESSURE kPa

TEMPERATURE °C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

1600

1600

1680

-11

-11

22

DATE SAMPLED (Y-M-D)

DATE RECEIVED (Y-M-D)

DATE REPORTED (Y-M-D)

ANALYST

OTHER INFORMATION

91-03-22

91-04-15

91-04-17

HU

60 08'N 117 32'W

COMP.	MOLE FRACTION		PETROLEUM LIQUID CONTENT mL • m ⁻³
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	0.0010	0.0011	
He	0.0007	0.0008	
N ₂	0.0141	0.0150	
CO ₂	0.0542	0.0000	
H ₂ S	0.0067	0.0000	
C ₁	0.9025	0.9610	
C ₂	0.0141	0.0150	
C ₃	0.0051	0.0055	18.8
iC ₄	0.0006	0.0006	2.5
NC ₄	0.0008	0.0008	3.2
iC ₅	0.0001	0.0001	0.6
NC ₅	0.0001	0.0001	0.6
C ₆	TRACE	TRACE	0.3
C ₇ +	TRACE	TRACE	0.2
C ₈			
C ₉			
C ₁₀ +			
TOTAL	1.0000	1.0000	26.2

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

38.06

°C

98.1 kPa

ACTUAL GROSS HEATING VALUE: 35.91

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

MOISTURE FREE AS SAMPLED

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

MEASURED

CALCULATED

0.630

0.575

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

AS SAMPLED

ACID GAS FREE

pPc (abs)

pTc

pPc (abs)

pTc

4761 kPa

199.7 K

4580 kPa

192.4 K

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

TOTAL GAS

C₇ +

18.2

100.2

H₂S g/m³

9.62

REMARKS:

MAY 1 1991

ENGINEERING AND CONTROL
BRANCH
TECHNIQUE ET DU COM. CO.FIELD H₂S = 1050ppm LAB 0.67%