9211-P33-4-7

AGAT Laboratories

OTTAWA COPY

CALGARY — EDMONTON — GRANDE PRAIRIE

GAS ANALYSIS

CONTAINER IDENTIFICATION: AGAT 12899

LABORATORY NUMBER: GG1696A

OPERATOR NAME: PARAMOUNT RESOURCES LTD. ****

UNIQUE WELL IDENTIFIER:

WELL NAME: PARAMOUNT et al CAMERON

ELEVATIONS KB m: 775.15 GRD m:

FIELD OR AREA: CAMERON

POOL OR ZONE: SLAVE POINT

NAME OF SAMPLER:

COMPANY: B.O.T.

TEST TYPE: DST NO: 1

TEST RECOVERY:

TEST INTERVAL OR PERFS: 1341.0-1377.6 mKB

SAMPLING POINT: BHS

	SEPARATOR	TREATER	RESERVOIR	SOURCE	SAMPLED	RECEIVED
GAUGE PRESSURE kPa						1
TEMPERATURE °C						22

DATE SAMPLED (Y-M-D): 91-02-08

DATE RECEIVED (Y-M-D): 91-02-12

DATE REPORTED (Y-M-D): 91-02-18

ANALYST: HU

OTHER INFORMATION: M-73; BHS #230

COMP.	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	PETROLEUM LIQUID CONTENT mL • m⁻³
H_2	0.0146	0.0147	
He	0.0004	0.0004	
N_2	0.0544	0.0549	
CO_2	0.0088	0.0000	
H_2S	0.0000	0.0000	
C_1	0.8844	0.8923	
C_2	0.0175	0.0176	
C_3	0.0098	0.0099	36.2
IC_4	0.0018	0.0018	8.0
NC_4	0.0035	0.0035	14.7
IC_5	0.0012	0.0012	5.9
NC_5	0.0012	0.0012	5.6
C_6	0.0011	0.0011	6.1
C_{7+}	0.0013	0.0014	8.6
C_8			
C_9			
C_{10+}			
TOTAL	1.0000	1.0000	85.1

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
	37.50	°C	71.3 kPa

ACTUAL GROSS HEATING VALUE: 37.17

RELATIVE DENSITY

MOISTURE FREE AS SAMPLED		MOISTURE AND ACID GAS FREE	
MEASURED	CALCULATED	MEASURED	CALCULATED
	0.615		0.607

PSEUDO CRITICAL PROPERTIES (CALCULATED)

AS SAMPLED		ACID GAS FREE	
pPc (abs)	pTc	pPc (abs)	pTc
4504 kPa	192.2 K	4478 kPa	191.2 K

RELATIVE MOLECULAR MASS

TOTAL GAS	C_{7+}
17.8	105.0

H_2S g/m^3: 0.00

REMARKS:

D.S.T.#1 Recovery = 2400 ml Water,
B.H.S.#230 500 ml Gas @ 0 kPa
O.P. = 250 kPa gauge/20°C
EXCEED NORMAL LIMITS : H2 ,N2

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C_1	0.8844	0.8923	
C_2	0.0175	0.0176	
C_3	0.0098	0.0099	36.2
IC_4	0.0018	0.0018	8.0
NC_4	0.0035	0.0035	14.7
IC_5	0.0012	0.0012	5.9
NC_5	0.0012	0.0012	5.6
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C_8			
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C_{10+}			
TOTAL	1.0000	1.0000	85.1

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MOISTURE AND ACID GAS FREE

MEASURED: | CALCULATED: 37.50 | DETERMINED DEW POINT: °C | VAPOUR PRESSURE PENTANES PLUS: 71.3 kPa

ACTUAL GROSS HEATING VALUE: 37.17

RELATIVE DENSITY

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