



**CORE LABORATORIES - CANADA LTD.**  
Petroleum Reservoir Engineering  
CALGARY ALBERTA

9211-P28-1-6



**GAS ANALYSIS**

6694	70380-86-263	
CONTAINER IDENTITY	LABORATORY NUMBER	
Petro-Canada Inc.		5 of 8
66° 56' 11.60" NL	OPERATOR	PAGE
125° 56' 18.88" WL	PCI Canterra Tweed Lake A-67	397.10 390.90
LOCATION	WELL OR SAMPLE LOCATION NAME	KB ELEV., m GRD. ELEV., m
Northwest Territories	Basal Sand MT Clark	Lynes United Services
FIELD OR AREA	POOL OR ZONE	SAMPLER
DST #1		
TEST TYPE & NUMBER	TEST RECOVERY	
Bubble Hose		
	POINT OF SAMPLE	AMOUNT & TYPE OF CUSHION @ °C
	PUMPING FLOWING	GAS LIFT SWAB
1290 - 1301		
TEST INTERVALS OR PERFS., m	WATER m³/d OIL m³/d GAS m³/d	
	@ °C 175 @ 21 °C	
SEPARATOR RESERVOIR	CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED	SEPARATOR
	PRESSURES, kPa (gauge)	TEMPERATURES, °C
1985 12 17	1986 02 04 1986 02 04	RH
DATE SAMPLED (Y/M/D)	DATE RECEIVED(Y/M/D) DATE ANALYZED (Y/M/D)	ANALYST
REMARKS		

COMPONENT	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m³ AIR FREE AS RECEIVED
H <sub>2</sub>	0.0000		
He	0.0070		
N <sub>2</sub>	0.2102		
CO <sub>2</sub>	0.0004		
H <sub>2</sub> S	0.0000		
C <sub>1</sub>	0.6880		
C <sub>2</sub>	0.0637		
C <sub>3</sub>	0.0178		65.5
iC <sub>4</sub>	0.0036		15.7
C <sub>4</sub>	0.0045		18.9
iC <sub>5</sub>	0.0018		8.8
C <sub>5</sub>	0.0010		4.8
C <sub>6</sub>	0.0014		7.7
C <sub>7+</sub>	0.0006		4.1
TOTAL	1.0000		125.5
		C <sub>5+</sub>	25.4

**CALCULATED GROSS HEATING VALUE**  
MJ/m³ @ 15° C & 101.325 kPa (abs.)

33.65	33.65
MOISTURE FREE	MOISTURE & ACID GAS FREE

**CALCULATED VAPOUR PRESSURE**  
kPa (abs.) @ 37.8° C

85.6
PENTANES PLUS

**CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15° C & 101.325 kPa**

MOISTURE FREE AS SAMPLED		
0.869	0.709	20.5
DENSITY kg/m³	RELATIVE DENSITY	RELATIVE MOLECULAR MASS

**CALCULATED PSEUDOCRITICAL PROPERTIES**

AS SAMPLED		ACID GAS FREE	
4318.7	189.6		
kPa (abs.)	K	kPa (abs.)	K
pPc	pTc	pPc	pTc

REMARKS

