



CORE LABORATORIES - CANADA LTD.
Petroleum Reservoir Engineering
CALGARY ALBERTA



GAS ANALYSIS

9211-P28-1-6

DST Chamber #191
CONTAINER IDENTITY

70380-86-263
LABORATORY NUMBER

6 of 8
PAGE

66° 56' 11.60" NL
125° 56' 18.88" WL
LOCATION

Petro-Canada Inc.
OPERATOR

PCI Canterra Tweed Lake A-67
WELL OR SAMPLE LOCATION NAME

397.10
KB ELEV., m

390.90
GRD. ELEV., m

Northwest Territories
FIELD OR AREA

MT Clark
POOL OR ZONE

Lynes United Services
SAMPLER

DST #2
TEST TYPE & NUMBER

TOOL: 1500 mL Muddy Water
TEST RECOVERY

DST Chamber #191

POINT OF SAMPLE
PUMPING FLOWING

AMOUNT & TYPE OF CUSHION
GAS LIFT SWAB

1278 - 1286
TEST INTERVALS OR PERFS., m

WATER m³/d OIL m³/d GAS m³/d

SEPARATOR RESERVOIR CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED SEPARATOR

1985 12 20 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/m ³ AIR FREE AS RECEIVED
H ₂	0.0004		
He	0.0078		
N ₂	0.2259		
CO ₂	TRACE		
H ₂ S	0.0000		
C ₁	0.6806		
C ₂	0.0601		
C ₃	0.0149		54.8
iC ₄	0.0028		12.2
C ₄	0.0035		14.7
iC ₅	0.0012		5.9
C ₅	0.0007		3.4
C ₆	0.0008		4.4
C ₇₊	0.0013		8.9
TOTAL	1.0000		104.3
		C ₅₊	22.6

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

32.54 32.53
MOISTURE FREE MOISTURE & ACID GAS FREE

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

69.1
PENTANES PLUS

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

0.865 0.706 20.4
DENSITY kg/m³ RELATIVE DENSITY RELATIVE MOLECULAR MASS

CALCULATED PSEUDOCRITICAL PROPERTIES

4296.0 186.8
AS SAMPLED ACID GAS FREE
kPa (abs.) K kPa (abs.) K
pPc pTc pPc pTc

REMARKS



9211-P28-1-6



CORE LABORATORIES - CANADA LTD.
Petroleum Reservoir Engineering
CALGARY ALBERTA



<u>DST Chamber #191</u> CONTAINER IDENTITY		<u>70380-86-263</u> LABORATORY NUMBER	
<u>Petro-Canada Inc.</u> OPERATOR		<u>7 of 8</u> PAGE	
<u>66° 56' 11.60" NL</u> LOCATION	<u>PCI Canterra Tweed Lake A-67</u> WELL OR SAMPLE LOCATION NAME	<u>397.10</u> KB ELEV.	<u>399.90</u> GRD. ELEV.
<u>125° 56' 18.88 W</u> LOCATION	<u>Northwest Territories</u> FIELD OR AREA	<u>MT Clark</u> POOL OR ZONE	<u>Lynes United Services</u> SAMPLER
<u>DST #2</u> TEST TYPE & NO.	<u>TOOL: 1500 mL Muddy Water</u> TEST RECOVERY		
<u>DST Chamber #191</u>		<u>@</u> MUD RESISTIVITY	<u>°C</u> MUD RESISTIVITY
<u>1278 - 1286</u> TEST INTERVALS OR PERFS.	<u>PUMPING</u> POINT OF SAMPLE	<u>FLOWING</u> POINT OF SAMPLE	<u>GAS LIFT</u> POINT OF SAMPLE
	<u>WATER</u> POINT OF SAMPLE	<u>m³/d</u> POINT OF SAMPLE	<u>OIL</u> POINT OF SAMPLE
	<u>SWAB</u> POINT OF SAMPLE	<u>GAS</u> POINT OF SAMPLE	<u>m³/d</u> POINT OF SAMPLE
<u>SEPARATOR</u> RESERVOIR	<u>@</u> CONTAINER WHEN SAMPLED	<u>@</u> CONTAINER WHEN RECEIVED	<u>SEPARATOR</u> RESERVOIR
<u>1985 12 20</u> DATE SAMPLED (Y/M/D)	<u>1986 02 04</u> DATE RECEIVED (Y/M/D)	<u>1986 02 05</u> DATE ANALYSED (Y/M/D)	<u>LS</u> ANALYST
<u>PRESSURES, kPa</u>		<u>TEMPERATURES, °C</u>	
<u>REMARKS</u>			

MUD FILTRATE ANALYSIS

Resistivity (Ohm-meters at 25°C) = 0.040

Chloride (mg/litre) = 168047

