CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

GAS ANALYSIS

Company: Chevron Standard Limited — Page: 1 of 1

Well: SOBC WM Shaeffer Ck YT O-22 — File: 921-1340

Field: Shaeffer Creek, Yukon — Analyst: MJM

Location: 66 41'54.00 N.L. 137 19'40.00 W.L. — Elevation: K.B. — Grd. 1136'

Formation — Depth

Sampled from: DST #1 (Flareline) — by: Eastland Testers

Sampling pressure: 10 psig — Sampling temp. °F — Ambient temp. °F

Date sampled: May 1/71 — Date received: May 5/71 — Date analysed: May 5/71

Container pressure — Mud — Water cushion

Recovery or flowrate:

COMPONENT	MOLE %	IMP. GPM @ 14.65 psia and 60°F
Hydrogen		
Helium		
Nitrogen	.49	
Carbon Dioxide	3.43 / 3.42	
Hydrogen Sulphide	.00	
Methane	92.79	
Ethane	2.31	
Propane	.47	.107
Iso Butane	.15	.041
Normal Butane	.13	.034
Iso Pentane	.07	.021
Normal Pentane	.05	.015
Hexanes	.10	.034
Heptanes Plus	.01	.004
Total	100.00	.256
Pentanes Plus		.074

SPECIFIC GRAVITY

Calculated .614 — Measured

GROSS B.T.U. per SCF 1041.8

Calculated @ 14.65 psia, 60°F, moisture and acid - gas free.

VAPOR PRESSURE of PENTANES PLUS

(calculated) 11.8 psia @ 100°F

Pseudo Critical Pressure 685.6 psia

Pseudo Critical Temperature 359.2 °R

Remarks

CORE LABORATORIES -- CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

GAS ANALYSIS

Company: Chevron Standard Limited — Page: 1 of 1

Well: SOBC WM Shaeffer Ck YT O-22 — File: 921-1351

Field: Shaeffer Creek, Yukon — Analyst: RT

Location: 66 41'54.00 N.L. 137 19'40.00 W.L. — Elevation: K.B. ____ Grd. ____

Formation: ____ Depth: ____

Sampled from: DST #3 — by: ____

Sampling pressure: ____ psig — Sampling temp.: ____ °F — Ambient temp.: ____ °F

Date sampled: ____ — Date received: May 10/71 — Date analysed: May 11/71

Container pressure: 3 psig — Mud: ____ — Water cushion: ____

Recovery or flowrate: ____

COMPONENT	MOLE %	IMP. GPM @ 14.65 psia and 60° F
Hydrogen		
Helium		
Nitrogen	1.32	
Carbon Dioxide	.43	
Hydrogen Sulphide	.00	
Methane	95.39	
Ethane	2.23	
Propane	.39	.089
Iso Butane	.10	.027
Normal Butane	.07	.018
Iso Pentane	.04	.012
Normal Pentane	.03	.009
Hexanes	.00	.000
Heptanes Plus	.00	.000
Total	100.00	.155
Pentanes Plus		.021

SPECIFIC GRAVITY

Calculated .582 — Measured ____

GROSS B.T.U. per SCF 1022.4

Calculated @ 14.65 psia, 60°F, moisture and acid - gas free.

VAPOR PRESSURE of PENTANES PLUS

(calculated) 18.4 psia @ 100°F

Pseudo Critical Pressure 672.7 psia

Pseudo Critical Temperature 350.4 °R

Remarks: Cylinder #C-149

CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

Company: Chevron Standard Limited — Page: 1 of 1

Well: SOBC WM Shaeffer Ck YT O-22 — File: 933-1600

Field: Shaeffer Creek Area, Yukon — Analyst: LK

Location: 66 41'54.00 N.L. 137 19'40.00 W.L. — Elevation: K.B. _____ Grd. 1136'

Formation _____ Depth _____

Sampled from DST #3 by _____

Sampling pressure _____ psig Sampling temp. _____ °F Ambient temp. _____ °F

Date sampled _____ Date received May 20/71 Date analysed May 25/71

Container pressure _____ Mud _____ Water cushion _____

Recovery or flowrate: _____

Mud Filtrate Analysis

Resistivity = 1.73 Ohm-meters @ 65°F

Chloride = 140 mg/liter