



Canadian Natural Resources Ltd.

90840G	SRL ET AL HZ NIG D- 021-H/094-H- 04 Gas Prod			d-021-H/094-H-04
Sample Point Code	Sample Point Name			Sample Location
02/c-033-H/094-H-04/00	801.40	806.10	28649	
Associated Well Location	GR Elev(m)	KB Elev(m)	License #	Pool/Zone
Maxxam Analytics	B408790- IP4957		10160	MAXXAM ANALYTICS
Source Laboratory	Lab File No		Container Identity	Sampler
Fort St John North	F723 - Shane Marion	Prespatou		Prespatou C-059-B/094-H-03 CS
District	Area Name	Field Name		Facility Name
Canadian Natural Resources Limited		Jan 31, 2014	Feb 4, 2014	Feb 10, 2014
Operator	Analyst	Date Sampled	Date Received	Date Reported
		2000 @ 5	2000 @ 5	2017 @ 23
		Press kPa @ Temp °C Source Conditions	Press kPa @ Temp °C Container When Sampled	Press kPa @ Temp °C Container When Received
		SRL ET AL HZ NIG D- 021-H/094-H- 04		METER RUN
		Well Name		Lab Source Description

Intervals (m)
-
-
-

Gas Rate E³m³d
Oil Rate m³d
Water Rate m³d

Component	Mol Fraction	Liquid Recovery L/1000m³
H2	0.0000	
He	0.0001	
N2	0.0025	
O2		
CO2	0.0049	
H2S	0.0005	
C1	0.8128	
C2	0.1063	377.8
C3	0.0462	169.8
IC4	0.0069	30.1
NC4	0.0122	51.3
IC5	0.0025	12.2
NC5	0.0030	14.5
C6	0.0014	7.7
C7	0.0004	2.5
C8	0.0003	
C9	0.0000	
C10	0.0000	
C11	0.0000	
C12	0.0000	
TOTAL	1.0000	665.9

ProTrend Calculated Total Sample Properties		
Calculated at standard conditions 101.325 kPa & 15.0°C		
0.857	0.6997	20.3
Density kg/m³	Relative Density	Molecular Mass
45.71	4,597.3	218.1
Gross Heating Value MJ/m³	Pseudo Critical Press kPa (Abs)	Pseudo Critical Temp K
0.00	GC TCD	450.00
Lab H2S PPM & Method	Field H2S PPM & Method	
	Gastec	

Observed C7+ Sample Properties		
706.300	0.7069	92.9
Density kg/m³ (Liq)	Relative Density (Gas)	Molecular Mass

PROTREND STATUS:
Passed By Validator

DATA SOURCE:
Imported

PASSED BY VALIDATOR REASON:
First valid sample taken @ this point, composition looks reasonable

VALIDATOR:
Sydney Pratt

VALIDATOR COMMENTS:
as per foreman Shane Marion.

Aromatics	Mol Fraction	Naphthenes	Mol Fraction
Benzene (C7)	0.00008	CycloPentane (C6)	0.00000
Toluene (C8)	0.00003	Neohexane (C6)	0.00003
EthylBenzene (C9)	0.00000	MethylCycloPentane (C7)	0.00013
M+p xylene (C9)	0.00000	CycloHexane (C7)	0.00014
O-xylene (C9)	0.00000	MethylCycloHexane (C8)	0.00007
1,2,4 Trimethylbenzene (C10)	0.00000		



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	-	Source Conditions	Container When Sampled	Container When Received
	-			
-	Oil Rate m ³ d	SRL ET AL HZ NIG D- 021-H/094-H- 04		METER RUN
-	Water Rate m ³ d	Well Name		Lab Source Description

Source	Date	Notes
Maxxam Laboratories	Feb 10, 2014	NO PROTREND OR COST CODE PROVIDED 2014/01/27
Protrend	Mar 3, 2014	Analysis moved from SP Code 32506G to 90840G by Eirenne Rawson Incorrectly assigned