



# C30+ COMPOSITIONAL ANALYSIS

COLD LAKE (HARDISTY)

B467517:KG8999

MaxID

Client ID

Meter Number

Laboratory Number

CRUDE QUALITY INC.

Operator Name

LSD

Well ID

CRUDE QUALITY INC. MINI ASSAY

MAXXAM ANALYTICS

Well Name

Initials of Sampler

Sampling Company

CL(H) NAPHTHA IBP - 190°C

4L CAN

Field or Area

Pool or Zone

Sample Point

Container Identity

Percent Full

Test Recovery

Interval

Elevations (m)

Sample Gathering Point

Solution Gas

Test Type

No.

Multiple Recovery

From:  
To:

KB

GRD

Well Fluid Status

Well Status Mode

Production Rates

Gauge Pressures kPa

Temperature °C

Well Status Type

Well Type

Water m3/d

Oil m3/d

Gas 1000m3/d

Source

As Received

Source

21

As Received

Gas or Condensate Project

Licence No.

2014/08/07

2014/10/14

2014/10/15

NG

Date Sampled Start

Date Sampled End

Date Received

Date Reported

Date Reissued

Analyst

## COMPOSITION

COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2			
CO2			
H2S			
C1	0.0000	0.0000	0.0000
C2	Trace	Trace	Trace
C3	0.0024	0.0013	0.0017
IC4	0.0130	0.0088	0.0106
NC4	0.0526	0.0355	0.0412
IC5	0.2063	0.1728	0.1876
NC5	0.2071	0.1735	0.1866
C6	0.1754	0.1752	0.1780
C7+	0.3432	0.4329	0.3943
TOTAL	1.0000	1.0000	1.0000

## PROPERTIES

RESIDUE	RELATIVE DENSITY @ 15 °C		RELATIVE MOLECULAR MASS		DATA SUMMARY		
	OBSERVED	CALCULATED	OBSERVED	CALCULATED	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
C5+		0.684		88	0.9320	0.9544	0.9465
C6+		0.721		101	0.5186	0.6081	0.5723
C7+	0.745		109	109	0.3432	0.4329	0.3943
C10+					0.0588	0.1012	0.0894
C12+					0.0033	0.0066	0.0055
TOTAL		0.679		86			

Calculated Absolute Density Total Sample: 678.4 kg/m3 @ 15°C  
 Gas Equivalent Factor: 185.71 m3 Gas/m3 Liquid

\*\* Information not supplied by client -- data derived from LSD information

Results relate only to items tested

Remarks:



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B467517:KG8999

Operator Name

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CRUDE QUALITY INC. MINI ASSAY

CL(H) NAPHTHA IBP - 190°C

Well Name

Sample Point

MAXXAM ANALYTICS

COLD LAKE (HARDISTY)

Sampling Company

MaxxID

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COMPONENT	BOILING POINT (°C)	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
Nitrogen	-196			
Carbon Dioxide	-79			
Hydrogen Sulphide	-60			
Methane	-162	0.0000	0.0000	0.0000
Ethane	-89	Trace	Trace	Trace
Propane	-42	0.0024	0.0013	0.0017
Iso-Butane	-12	0.0130	0.0088	0.0106
n-Butane	0	0.0526	0.0355	0.0412
Iso-Pentane	28	0.2063	0.1728	0.1876
n-Pentane	36	0.2071	0.1735	0.1866
Hexanes	37-69	0.1754	0.1752	0.1780
Heptanes	70-98	0.1497	0.1605	0.1506
Octanes	99-126	0.0962	0.1173	0.1063
Nonanes	127-151	0.0385	0.0539	0.0480
Decanes	152-174	0.0323	0.0526	0.0480
Undecanes	175-196	0.0232	0.0420	0.0359
Dodecanes	197-216	0.0032	0.0063	0.0053
Triadecanes	217-236	Trace	Trace	Trace
Tetradecanes	237-253	Trace	Trace	Trace
Pentadecanes	254-271	Trace	Trace	Trace
Hexadecanes	272-287	Trace	Trace	Trace
Heptadecanes	288-302	Trace	Trace	Trace
Octadecanes	303-317	Trace	Trace	Trace
NonaDecanes	318-331	Trace	Trace	Trace
Eicosanes	332-343	Trace	Trace	Trace
Heneicosanes	344-357	Trace	Trace	Trace
Docosanes	358-369	Trace	Trace	Trace
Triacosanes	370-380	Trace	Trace	Trace
Tetracosanes	381-391	Trace	Trace	Trace
Pentacosanes	392-402	Trace	Trace	Trace
Hexacosanes	403-412	Trace	Trace	Trace
Heptacosanes	413-422	Trace	Trace	Trace
Octacosanes	423-432	Trace	Trace	Trace
Nonacosanes	433-441	Trace	Trace	Trace
triacontanes+	442-449+	0.0001	0.0003	0.0002
Totals		1.0000	1.0000	1.0000
neoHexane	50	0.0000	0.0000	0.0000
Methylcyclopentane	70	0.0318	0.0311	0.0279
Benzene	80	0.0113	0.0102	0.0079
Cyclohexane	81	0.0256	0.0250	0.0217
Methylcyclohexane	101	0.0325	0.0371	0.0325
Toluene	111	0.0167	0.0179	0.0139
Ethylbenzene	136	0.0019	0.0023	0.0018
m&p-Xylene	139	0.0086	0.0106	0.0082
o-Xylene	144	0.0027	0.0033	0.0025
1,2,4-Trimethylbenzene	169	0.0033	0.0047	0.0036

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