



C30+ COMPOSITIONAL ANALYSIS

B2A5117:FA9329

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	
				PAS 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	
		From: To:		KB GRD		Solution Gas	
Test Type		No. Multiple Recovery		Well Fluid Status		Well Status Mode	
Production Rates		Gauge Pressures kPa		Temperature °C		Well Status Type	
Water m3/d Oil m3/d Gas 1000m3/d		Source As Received		24		Well Type	
				Source As Received		Gas or Condensate Project	
						Licence No.	
Date Sampled Start		Date Sampled End		Date Received		Date Reported	
				2012/11/19		2012/12/14	
						2012/12/18	
						GS1	
						Analyst	

COMPOSITION			
COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2			
CO2			
H2S			
C1	0.0000	0.0000	0.0000
C2	Trace	Trace	Trace
C3	Trace	Trace	Trace
IC4	Trace	Trace	Trace
NC4	Trace	Trace	Trace
IC5	0.0013	0.0007	0.0009
NC5	0.0029	0.0016	0.0019
C6	0.0214	0.0139	0.0157
C7+	0.9744	0.9838	0.9815
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
C5+		0.755		132	1.0000	1.0000
C6+		0.756		132	0.9958	0.9977
C7+	0.757		133	133	0.9744	0.9838
C10+					0.5332	0.6041
C12+					0.0447	0.0580
TOTAL		0.755		132		

Calculated Absolute Density Total Sample: 754.3 kg/m3 @ 15°C
 Gas Equivalent Factor: 135.42 m3 Gas/m3 Liquid

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

Results relate only to items tested

Remarks:



C30+ COMPOSTIONAL ANALYSIS

CRUDE QUALITY INC.

B2A5117:FA9329

Operator Name

Laboratory Number

CRUDE QUALITY INC. MINI ASSAY

PAS NAPHTHA IBP - 190°C

Well Name

Sample Point

MAXXAM ANALYTICS

Sampling Company

MaxxD

Client ID

2012/11/19

2012/12/14

2012/12/18

GS1

Date Sampled Start

Date Sampled End

Date Received

Date Reported

Date Reissued

Analyst

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	Trace	Trace	Trace
Iso-Butane	-12	Trace	Trace	Trace
n-Butane	0	Trace	Trace	Trace
Iso-Pentane	28	0.0013	0.0007	0.0009
n-Pentane	36	0.0029	0.0016	0.0019
Hexanes	37-69	0.0214	0.0139	0.0157
Heptanes	70-98	0.0758	0.0550	0.0587
Octanes	99-126	0.1520	0.1262	0.1312
Nonanes	127-151	0.2134	0.1985	0.2000
Decanes	152-174	0.2745	0.2925	0.2966
Undecanes	175-196	0.2140	0.2536	0.2408
Dodecanes	197-216	0.0435	0.0563	0.0526
Triadecanes	217-236	0.0012	0.0017	0.0016
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	0.0000	0.0000	0.0000
Octacosanes	423-432	0.0000	0.0000	0.0000
Nonacosanes	433-441	0.0000	0.0000	0.0000
triacontanes+	442-449+	0.0000	0.0000	0.0000
Totals		1.0000	1.0000	1.0000
neoHexane	50	0.0000	0.0000	0.0000
Methylcyclopentane	70	0.0082	0.0052	0.0052
Benzene	80	0.0020	0.0012	0.0010
Cyclohexane	81	0.0099	0.0063	0.0061
Methylcyclohexane	101	0.0266	0.0198	0.0193
Toluene	111	0.0133	0.0093	0.0081
Ethylbenzene	136	0.0129	0.0104	0.0090
m&p-Xylene	139	0.0280	0.0225	0.0194
o-Xylene	144	0.0121	0.0097	0.0083
1,2,4-Trimethylbenzene	169	0.0281	0.0264	0.0226

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