C30+ COMPOSITIONAL ANALYSIS

MaxxID	Client ID	Meter Number	Laboratory Number
	SYNBIT BLEND		B4B5578:LK6633

Operator Name	LSD	Well ID
CRUDE QUALITY INC.		

Well Name	Initials of Sampler	Sampling Company
CRUDE QUALITY INC. MINI ASSAY	C	MAXXAM ANALYTICS

Field or Area	Pool or Zone	Sample Point	Container Identity	Percent Full
		SYB NAPHTHA IBP - 190°C	4L CAN	

Test Recovery	Sample Gathering Point	Solution Gas

Test Type	No.	Multiple Recovery	Interval From:	Interval To:	Elevations (m) KB	Elevations (m) GRD	Well Fluid Status	Well Status Mode

Production Rates Water m3/d	Production Rates Oil m3/d	Production Rates Gas 1000m3/d	Gauge Pressures kPa Source	Gauge Pressures kPa As Received	Temperature °C Source	Temperature °C As Received	Well Status Type	Well Type
					23			

Gas or Condensate Project	Licence No.

Date Sampled Start	Date Sampled End	Date Received	Date Reported	Date Reissued	Analyst
		2014/12/22	2015/02/04	2015/02/04	GM1,FA1

COMPOSITION

COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2			
CO2			
H2S			
C1	0.0000	0.0000	0.0000
C2	Trace	Trace	Trace
C3	0.0035	0.0016	0.0022
IC4	0.0175	0.0108	0.0133
NC4	0.0577	0.0357	0.0424
IC5	0.1321	0.1014	0.1128
NC5	0.1355	0.1040	0.1144
C6	0.1404	0.1290	0.1337
C7+	0.5133	0.6175	0.5812
TOTAL	1.0000	1.0000	1.0000

PROPERTIES

RESIDUE	RELATIVE DENSITY @ 15 °C OBSERVED	RELATIVE DENSITY @ 15 °C CALCULATED	RELATIVE MOLECULAR MASS OBSERVED	RELATIVE MOLECULAR MASS CALCULATED	DATA SUMMARY MOLE FRACTION	DATA SUMMARY MASS FRACTION	DATA SUMMARY VOLUME FRACTION
C5+		0.701		97	0.9213	0.9519	0.9421
C6+		0.724		107	0.6537	0.7465	0.7149
C7+	0.737		113	113	0.5133	0.6175	0.5812
C10+					0.0900	0.1378	0.1270
C12+					0.0007	0.0016	0.0011
TOTAL		0.694		94			

Calculated Absolute Density Total Sample: 693.4 kg/m3 @ 15°C
Gas Equivalent Factor: 174.37 m3 Gas/m3 Liquid

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

Results relate only to items tested

Remarks:

C30+ COMPOSITIONAL ANALYSIS

CRUDE QUALITY INC. (Operator Name) | B4B5578:LK6633 (Laboratory Number)

CRUDE QUALITY INC. MINI ASSAY (Well Name) | SYB NAPHTHA IBP - 190°C (Sample Point)

MAXXAM ANALYTICS (Sampling Company) | (MaxxID) | SYNBIT BLEND (Client ID)

Date Sampled Start	Date Sampled End	Date Received	Date Reported	Date Reissued	Analyst
		2014/12/22	2015/02/04	2015/02/04	GM1,FA1

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	0.0035	0.0016	0.0022
Iso-Butane	-12	0.0175	0.0108	0.0133
n-Butane	0	0.0577	0.0357	0.0424
Iso-Pentane	28	0.1321	0.1014	0.1128
n-Pentane	36	0.1355	0.1040	0.1144
Hexanes	37-69	0.1404	0.1290	0.1337
Heptanes	70-98	0.1564	0.1556	0.1504
Octanes	99-126	0.1571	0.1803	0.1705
Nonanes	127-151	0.1098	0.1438	0.1333
Decanes	152-174	0.0761	0.1141	0.1066
Undecanes	175-196	0.0132	0.0221	0.0193
Dodecanes	197-216	0.0002	0.0003	0.0003
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	0.0001	0.0002	0.0001
Octadecanes	303-317	0.0001	0.0002	0.0001
NonaDecanes	318-331	0.0001	0.0002	0.0001
Eicosanes	332-343	0.0001	0.0002	0.0001
Heneicosanes	344-357	0.0001	0.0002	0.0001
Docosanes	358-369	Trace	0.0001	0.0001
Triacosanes	370-380	Trace	0.0001	0.0001
Tetracosanes	381-391	Trace	0.0001	0.0001
Pentacosanes	392-402	Trace	Trace	Trace
Hexacosanes	403-412	Trace	Trace	Trace
Heptacosanes	413-422	Trace	Trace	Trace
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	0.0341	0.0305	0.0280
Benzene	80	0.0091	0.0076	0.0060
Cyclohexane	81	0.0193	0.0173	0.0153
Methylcyclohexane	101	0.0384	0.0401	0.0360
Toluene	111	0.0174	0.0170	0.0135
Ethylbenzene	136	0.0030	0.0034	0.0027
m&p-Xylene	139	0.0147	0.0167	0.0132
o-Xylene	144	0.0084	0.0095	0.0074
1,2,4-Trimethylbenzene	169	0.0062	0.0082	0.0064

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Results relate only to items tested

Remarks: