



August 20, 2008

CQI Report to Stakeholders

Subject: June 2008 Condensate Results

As of January 1, 2008, the Crude Quality Monitoring Project has modified its condensate testing program. We acknowledge that industry requirements and specifications are different for condensates than for other types of crude. As such, we have updated our condensate testing program in an effort to provide the industry with reliable, accurate, and usable information specifically relevant to condensates. We believe that this information will be valuable for numerous industry purposes, such as better blending data and formulating condensate specifications and guidelines. Should you have any questions regarding this report, or the modified condensate testing program, please contact Crude Quality Inc. at (780) 991-9900 or at lywood@crudequality.com.

Observations:

Attached are detailed C30+ composition and trace sulphur analyses, as well as historical data from crudemonitor.ca pertaining to typical light ends and bulk properties for Condensate Blend (CRW).

In addition to the attached, we note the following testing results:

	Sample Date	Batch #	Sulphur (wt%)	API Gravity (degree)	Absolute Density (kg/m ³)	MCR (wt%)	Viscosity @ 7.5° C (cSt)	RVP (kPa)	Organo-Phosphates (ppmw)	Total Mercaptans (ppm)	Olefins (wt%)
Current Data	6/9/2008	CRW-783	0.45	65.1	719.2	0.40	0.81	-	-	94	-
Average To Date			0.19	64.7	720.8	0.24	0.84	74.5	1	106	5xND
Std Dev.			0.09	2.0	7.4	0.14	0.06	1.0	-	112	-
Avg+StdDev			0.28	66.7	728.5	0.38	0.89	75.5	-	118	-
Avg-StdDev			0.10	62.7	713.1	0.10	0.78	73.5	-	94	-

The June sample of Condensate Blend (CRW) exhibited a marginally elevated MCR, along with sulphur at a level double that of the long term average (0.45 wt% versus 0.19 wt% average). Increased C4s and C6s, decreased C10s x C15s, and high end C5s and C7s were observed in the C30+ Compositional analysis (See C30+ Compositional Analysis chart at www.crudemonitor.ca/condensates).

The sample's viscosity was consistent with results observed to date, while the total mercaptans were on the low end compared to previous samples. No testing for RVP, organo-phosphates, or olefins was performed on this sample.



C30+ COMPOSITIONAL ANALYSIS

A834733:K67381

MaxxID

Client ID

Meter Number

Laboratory Number

CRUDE QUALITY INC.

Operator Name

LSD

Well ID

CRUDE QUALITY INC. JUN08 LIGHT CRUDES

ENBRIDGE

Well Name

Initials of Sampler

Sampling Company

COND. BLEND CRW-783

1L CAN

Field or Area

Pool or Zone

Sample Point

Container Identity

Percent Full

Test Recovery

Interval 1 Interval 2 Interval 3

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 As Received

Gas or Condensate Project

Licence No.

2008/06/09

2008/07/15

2008/08/08

2008/08/12

MM1,YZ

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	0.0004	0.0001	0.0002
C3	0.0046	0.0022	0.0030
IC4	0.0088	0.0055	0.0068
NC4	0.0532	0.0333	0.0397
IC5	0.1778	0.1381	0.1545
NC5	0.1748	0.1359	0.1505
C6	0.1737	0.1616	0.1692
C7+	0.4067	0.5233	0.4761
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+		0.705		95	0.9330	0.9589	0.9503
C6+		0.741		109	0.5804	0.6849	0.6453
C7+	0.767		124	119	0.4067	0.5233	0.4761
C10+					0.0840	0.1690	0.1425
C12+					0.0393	0.1013	0.0811
TOTAL		0.698		93			

Calculated Absolute Density Total Sample:
Gas Equivalent Factor:

697.4 kg/m3 @ 15°C
174.49 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.

A834733:K67381

Operator Name

Laboratory Number

CRUDE QUALITY INC. JUN08 LIGHT CRUDES

COND. BLEND CRW-783

Well Name

Sample Point

ENBRIDGE

Sampling Company

MaxxID

Client ID

2008/06/09

2008/07/15

2008/08/08

2008/08/12

MM1,YZ

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	0.0004	0.0001	0.0002
Propane	-42	0.0046	0.0022	0.0030
Iso-Butane	-12	0.0088	0.0055	0.0068
n-Butane	0	0.0532	0.0333	0.0397
Iso-Pentane	28	0.1778	0.1381	0.1545
n-Pentane	36	0.1748	0.1359	0.1505
Hexanes	37-69	0.1737	0.1616	0.1692
Heptanes	70-98	0.1597	0.1594	0.1517
Octanes	99-126	0.1132	0.1285	0.1195
Nonanes	127-151	0.0498	0.0664	0.0624
Decanes	152-174	0.0292	0.0432	0.0402
Undecanes	175-196	0.0155	0.0245	0.0212
Dodecanes	197-216	0.0071	0.0123	0.0106
Triadecanes	217-236	0.0033	0.0062	0.0052
Tetradecanes	237-253	0.0027	0.0056	0.0046
Pentadecanes	254-271	0.0036	0.0081	0.0066
Hexadecanes	272-287	0.0032	0.0077	0.0062
Heptadecanes	288-302	0.0030	0.0077	0.0062
Octadecanes	303-317	0.0026	0.0069	0.0055
NonaDecanes	318-331	0.0021	0.0060	0.0047
Eicosanes	332-343	0.0019	0.0057	0.0045
Heneicosanes	344-357	0.0017	0.0052	0.0040
Docosanes	358-369	0.0019	0.0059	0.0046
Triacosanes	370-380	0.0008	0.0029	0.0023
Tetracosanes	381-391	0.0011	0.0037	0.0029
Pentacosanes	392-402	0.0008	0.0032	0.0024
Hexacosanes	403-412	0.0006	0.0026	0.0020
Heptacosanes	413-422	0.0005	0.0020	0.0015
Octacosanes	423-432	0.0004	0.0014	0.0011
Nonacosanes	433-441	0.0003	0.0010	0.0008
triacontanes+	442-449+	0.0017	0.0072	0.0054
Totals		1.0000	1.0000	1.0000
neoHexane	50	0.0000	0.0000	0.0000
Methylcyclopentane	70	0.0335	0.0304	0.0278
Benzene	80	0.0111	0.0094	0.0073
Cyclohexane	81	0.0314	0.0285	0.0251
Methylcyclohexane	101	0.0391	0.0414	0.0369
Toluene	111	0.0139	0.0138	0.0110
Ethylbenzene	136	0.0006	0.0007	0.0006
m&p-Xylene	139	0.0021	0.0025	0.0019
o-Xylene	144	0.0033	0.0038	0.0030
1,2,4-Trimethylbenzene	169	0.0023	0.0031	0.0025

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Remarks:



TRACE SULPHUR ANALYSIS

A834733:K67382

MaxID		Client ID		Meter Number		Laboratory Number	
CRUDE QUALITY INC.				LSD		Well ID	
Operator Name CRUDE QUALITY INC. JUN08 LIGHT CRUDES				Initials of Sampler		Sampling Company ENBRIDGE	
Well Name				COND. BLEND CRW-783		1L CAN	
Field or Area		Pool or Zone		Sample Point		Container Identity	
Percent Full							
Test Recovery		Interval 1 Interval 2 Interval 3		Elevations (m)		Sample Gathering Point	
From:		To:		KB GRD		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		23.0		Well Type	
				Source As Received		Gas or Condensate Project	
Licence No.							
2008/06/09		2008/07/15		2008/08/08		2008/08/12	
Date Sampled Start		Date Sampled End		Date Received		Date Reported	
						AG	
						Analyst	

COMPOSITION			Boiling Pt. (°C)	Sulphur mole ppm	Sulphur mass ppm	PROPERTIES
Component	Common Name					
Hydrogen Sulphide	H2S		-60.4	<0.5	<0.5	Molecular Wt. (g/mole) Measured
Carbonyl Sulphide	COS		-50	<0.5	<0.5	
Methanethiol	Methyl mercaptan		6.2	9.0	2.8	Molecular Wt. (g/mole) Calculated
Ethanethiol	Ethyl mercaptan		35	76.1	23.4	
Dimethyl Sulphide	DMS		38	23.2	7.1	Onsite H2S
Carbon Disulphide	CS2		46.5	3.9	1.2	
Iso-Propanethiol	Iso-propyl mercaptan		58	100.3	30.9	ppm(mole) mole%
t-Butanethiol	tert-butyl mercaptan		64	14.6	4.5	
Methyl Ethyl Sulphide	MES		67	14.1	4.3	
n-Propanethiol	Propyl mercaptan		70	18.1	5.6	
Unknown			36-69	<0.5	<0.5	
Thiophene/sec-Butanethiol	Thiophene/sec-Butyl mercaptan		84/90	60.3	18.5	
Diethyl Sulphide	DES		92.1	7.0	2.1	
Iso-Butanethiol	Iso-butyl mercaptan		99	2.9	0.9	
n-Butanethiol	Butyl mercaptan		98	6.5	2.0	
Unknown			71-97	7.3	2.2	
Dimethyl Disulphide	DMDS		110	19.8	6.1	
n-Pentanethiol	Pentyl mercaptan		127	2.1	0.6	
Unknown			100-126	53.1	16.3	
n-Hexanethiol	Hexyl mercaptan		151	12.3	3.8	
Unknown			127-150	66.9	20.6	
n-Heptanethiol	Heptyl mercaptan		177	4.4	1.4	
Unknown			152-176	74.5	22.9	
Total Sulphur				9662	2973.0	

Mercaptan Sulphur on Naphtha fraction (IBP 204°C) ASTM D3227 (mass%)
Naphtha IBP 204°C (volume %)
Elemental Sulphur (mass ppm)

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Remarks:

Light Crude Quality Project Analyses Summary (December 2007)

Crude	Sample Date	No. Samples or Batch #	Sulphur (wt%)	API Density (degree)	Absolute Density (kg/m3)	Sediment (ppmw)	MCR (wt%)	Salt (ptb)	TAN (mgKOH/g)	Nickel (mg/L)	Vanadium (mg/L)
CRW Condensate Blend											
	2005 Q2	3	0.17	62.9	727.0		0.2			43.5	4.8
	2005 Q3	3	0.16	63.3	725.8		0.4			17.9	2.4
	2005 Q4	3	0.17	63.6	724.6		0.3				3.6
	2006 Q1	4	0.16	64.8	720.2		0.3				6.8
	2006 Q2	3	0.21	63.3	725.9		0.3				1.4
	2006 Q3	2	0.17	62.1	730.2		0.2				1.2
	2006 Q4	2	0.13	67.0	712.2		0.1				
	2007 Q1	3	0.13	65.4	718.1		0.2				
	2007 Q2	3	0.10	67.6	710.3		0.1				
	2007 Q3	3	0.13	65.7	717.0		0.2				
	2007 Q4	3	0.22	64.8	720.3		0.2				1.6
	2008 Q1	1	0.39	65.1	719.2		0.4				
	12/1/2007	CRW-753	0.15	67.6	710.2		0.1				
	1/1/2008	CRW-757	0.39	65.1	719.2		0.4				
	Average		0.17	64.6	721.0		0.2			35.0	3.2
	Std Dev		0.07	2.1	7.7		0.1			13.1	2.0
	Avg + StdDev		0.24	66.7	728.7		0.4			48.1	5.2
	Avg - StdDev		0.10	62.5	713.3		0.1			21.9	1.2

Light Crude Quality Project Light Ends Summary (December 2007)

Crude Sample Date	Count of Batches or Batch No.	Ethane (vol%)	Propane (vol%)	Butanes (vol%)	Pentanes (vol%)	Hexanes (vol%)	Heptanes (vol%)	Octanes (vol%)	Nonanes (vol%)	Decanes (vol%)	Benzene (vol%)	Toluene (vol%)	Ethyl Benzene (vol%)	Xylenes (vol%)
CRW Condensate Blend														
2005 Q2	3	0.02	0.32	3.54	23.63	21.20	15.23	10.08	5.12	2.28	1.15	2.10	0.23	1.86
2005 Q3	3	0.02	0.23	3.23	23.45	21.28	16.37	10.77	5.51	2.45	1.23	2.34	0.25	2.03
2005 Q4	3	0.02	0.23	3.15	21.79	21.60	16.33	11.80	6.09	2.40	1.16	2.26	0.30	2.13
2006 Q1	4	0.02	0.19	2.76	22.50	22.77	14.89	10.86	6.18	2.49	1.23	2.07	0.28	1.92
2006 Q2	3	0.02	0.27	3.42	22.51	19.93	15.65	10.90	5.69	2.30	1.06	2.08	0.26	1.86
2006 Q3	2	0.02	0.28	2.96	20.36	19.74	16.38	11.82	6.08	2.52	1.06	2.19	0.29	2.06
2006 Q4	2	0.02	0.22	3.37	25.43	22.50	15.32	10.35	5.29	2.09	1.13	2.00	0.25	1.82
2007 Q1	3	0.02	0.24	3.33	24.64	24.26	15.17	10.54	5.29	2.17	1.27	2.10	0.27	1.93
2007 Q2	3	0.02	0.20	3.22	25.40	23.30	15.51	10.59	5.37	1.96	1.25	2.15	0.27	1.86
2007 Q3	3	0.02	0.24	3.42	23.97	20.53	15.46	10.25	5.10	2.08	1.08	2.13	0.25	1.82
2007 Q4	3	0.02	0.26	3.49	24.77	21.60	16.06	11.39	5.70	2.22	1.08	2.15	0.30	1.97
2008 Q1	1	0.02	0.21	3.06	25.40	21.80	16.14	11.48	5.53	2.05	1.07	2.13	0.31	1.99
12/1/2007	CRW-753	0.02	0.18	2.89	26.08	22.84	16.97	11.76	5.53	2.07	1.14	2.22	0.3	1.94
1/1/2008	CRW-757	0.02	0.21	3.06	25.4	21.8	16.14	11.48	5.53	2.05	1.07	2.13	0.31	1.99
Average		0.02	0.24	3.25	23.56	21.77	15.65	10.85	5.59	2.27	1.16	2.14	0.27	1.93
Std Dev		0.01	0.06	0.34	2.28	1.95	0.94	0.96	0.65	0.30	0.12	0.16	0.04	0.16
Avg + StdDev		0.03	0.30	3.59	25.84	23.72	16.59	11.82	6.24	2.56	1.28	2.30	0.31	2.09
Avg - StdDev		0.01	0.18	2.91	21.28	19.82	14.71	9.89	4.94	1.97	1.04	1.99	0.23	1.78