



July 7, 2008

CQI Report to Stakeholders

Subject: May 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	5/12/2008	CRW-779	0.42	63	727.2	0.30	0.91	-	-	115	-
Average To Date			0.18	64.7	720.8	0.24	0.83	74.8	1	108	5xND
Std Dev.			0.08	2.1	7.7	0.14	0.09	1.2	-	16	-
Avg+StdDev			0.25	66.8	728.5	0.38	0.91	76.0	-	124	-
Avg-StdDev			0.10	62.6	713.1	0.10	0.74	73.6	-	92	-

The May sample of Condensate Blend (CRW) exhibited marginally elevated MCR along with well above average sulphur levels (0.42 wt% versus 0.18 wt% average). The sample's absolute density, while on the high end, was within the range typical for CRW. Results for both viscosity and total mercaptans were on high end compared to what has been observed to date.

More data will need to be collected to comment fully on viscosity, RVP, organo-phosphates, and total mercaptans, as well as the attached hydrocarbon and trace sulphur analyses.



C30+ COMPOSITIONAL ANALYSIS

A827847:K17348

MaxxID

Client ID

Meter Number

Laboratory Number

CRUDE QUALITY INC.

Operator Name

LSD

Well ID

CRUDE QUALITY INC.

ENBRIDGE

Well Name

Initials of Sampler

Sampling Company

CONDENSATE BLEND CRW-779

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

21

As Received

Gas or Condensate Project

Licence No.

2008/05/12

2008/06/11

2008/07/02

2008/07/04

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	0.0003
C3	0.0049	0.0022	0.0030
IC4	0.0090	0.0053	0.0068
NC4	0.0479	0.0284	0.0345
IC5	0.1409	0.1035	0.1182
NC5	0.1468	0.1078	0.1217
C6	0.1643	0.1447	0.1539
C7+	0.4858	0.6080	0.5616
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+		0.719		101	0.9378	0.9640	0.9554
C6+		0.750		114	0.6501	0.7527	0.7155
C7+	0.772		123	123	0.4858	0.6080	0.5616
C10+					0.1193	0.2219	0.1910
C12+					0.0612	0.1390	0.1150
TOTAL		0.713		98			

Calculated Absolute Density Total Sample:
Gas Equivalent Factor:

712.4 kg/m3 @ 15°C
171.34 m3 Gas/m3 Liquid

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

Results relate only to items tested

Remarks:

Insufficient sample for Reid Vapor Pressure(ASTM D-323) test.



C30+ COMPOSITIONAL ANALYSIS

CRUDE QUALITY INC.

A827847:K17348

Operator Name

Laboratory Number

CRUDE QUALITY INC.

CONDENSATE BLEND CRW-779

Well Name

Sample Point

ENBRIDGE

Sampling Company

MaxxID

Client ID

2008/05/12

2008/06/11

2008/07/02

2008/07/04

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	0.0003
Propane	-42	0.0049	0.0022	0.0030
Iso-Butane	-12	0.0090	0.0053	0.0068
n-Butane	0	0.0479	0.0284	0.0345
Iso-Pentane	28	0.1409	0.1035	0.1182
n-Pentane	36	0.1468	0.1078	0.1217
Hexanes	37-69	0.1643	0.1447	0.1539
Heptanes	70-98	0.1653	0.1574	0.1532
Octanes	99-126	0.1354	0.1455	0.1374
Nonanes	127-151	0.0658	0.0832	0.0800
Decanes	152-174	0.0371	0.0515	0.0482
Undecanes	175-196	0.0210	0.0314	0.0278
Dodecanes	197-216	0.0124	0.0202	0.0176
Triadecanes	217-236	0.0084	0.0150	0.0129
Tetradecanes	237-253	0.0063	0.0121	0.0102
Pentadecanes	254-271	0.0060	0.0126	0.0106
Hexadecanes	272-287	0.0044	0.0100	0.0083
Heptadecanes	288-302	0.0037	0.0089	0.0074
Octadecanes	303-317	0.0032	0.0082	0.0068
NonaDecanes	318-331	0.0027	0.0073	0.0060
Eicosanes	332-343	0.0025	0.0068	0.0055
Heneicosanes	344-357	0.0019	0.0057	0.0045
Docosanes	358-369	0.0020	0.0060	0.0047
Triacosanes	370-380	0.0015	0.0048	0.0038
Tetracosanes	381-391	0.0015	0.0048	0.0038
Pentacosanes	392-402	0.0012	0.0040	0.0031
Hexacosanes	403-412	0.0012	0.0043	0.0033
Heptacosanes	413-422	0.0009	0.0033	0.0026
Octacosanes	423-432	0.0008	0.0028	0.0022
Nonacosanes	433-441	0.0006	0.0022	0.0017
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	0.0326	0.0280	0.0259
Benzene	80	0.0095	0.0075	0.0060
Cyclohexane	81	0.0276	0.0236	0.0211
Methylcyclohexane	101	0.0416	0.0416	0.0378
Toluene	111	0.0191	0.0179	0.0143
Ethylbenzene	136	0.0010	0.0010	0.0008
m&p-Xylene	139	0.0016	0.0017	0.0014
o-Xylene	144	0.0026	0.0027	0.0022
1,2,4-Trimethylbenzene	169	0.0045	0.0057	0.0044

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

Results relate only to items tested

Remarks:

Insufficient sample for Reid Vapor Pressure(ASTM D-323) test.



TRACE SULPHUR ANALYSIS

A827847:K17349

MaxID		Client ID		Meter Number		Laboratory Number	
CRUDE QUALITY INC.				LSD		Well ID	
Operator Name						ENBRIDGE	
CRUDE QUALITY INC.				Initials of Sampler		Sampling Company	
Well Name				CONDENSATE BLEND CRW-779		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.							
2008/05/12		2008/06/11		2008/07/02		2008/07/04	
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	7.1	2.1	
Ethanethiol	Ethyl mercaptan	35	78.3	22.6	
Dimethyl Sulphide	DMS	38	21.6	6.2	Molecular Wt. (g/mole) Calculated
Carbon Disulphide	CS2	46.5	2.1	0.6	
Iso-Propanethiol	Iso-propyl mercaptan	58	131.9	38.0	Onsite H2S ppm(mole) mole%
t-Butanethiol	tert-butyl mercaptan	64	25.5	7.3	
Methyl Ethyl Sulphide	MES	67	15.3	4.4	
n-Propanethiol	Propyl mercaptan	70	21.3	6.1	
Unknown		36-69	<0.5	<0.5	
Thiophene/sec-Butanethiol	Thiophene/sec-Butyl mercaptan	84/90	91.4	26.4	
Diethyl Sulphide	DES	92.1	9.6	2.8	
Iso-Butanethiol	Iso-butyl mercaptan	99	4.6	1.3	
n-Butanethiol	Butyl mercaptan	98	8.8	2.5	
Unknown		71-97	10.6	3.0	
Dimethyl Disulphide	DMDS	110	17.2	5.0	
n-Pentanethiol	Pentyl mercaptan	127	3.0	0.9	
Unknown		100-126	87.5	25.2	
n-Hexanethiol	Hexyl mercaptan	151	13.6	3.9	
Unknown		127-150	103.2	29.8	
n-Heptanethiol	Heptyl mercaptan	177	12.6	3.6	
Unknown		152-176	144.2	41.6	
Total Sulphur			25679	7403.0	
Mercaptan Sulphur on Naphtha fraction (IBP 204°C) ASTM D3227 (mass%) Naphtha IBP 204°C (volume %) Elemental Sulphur (mass ppm)					

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

Results relate only to items tested

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