



March 5, 2009

CQI Report to Stakeholders

Subject: January 2009 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+ compositional 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:

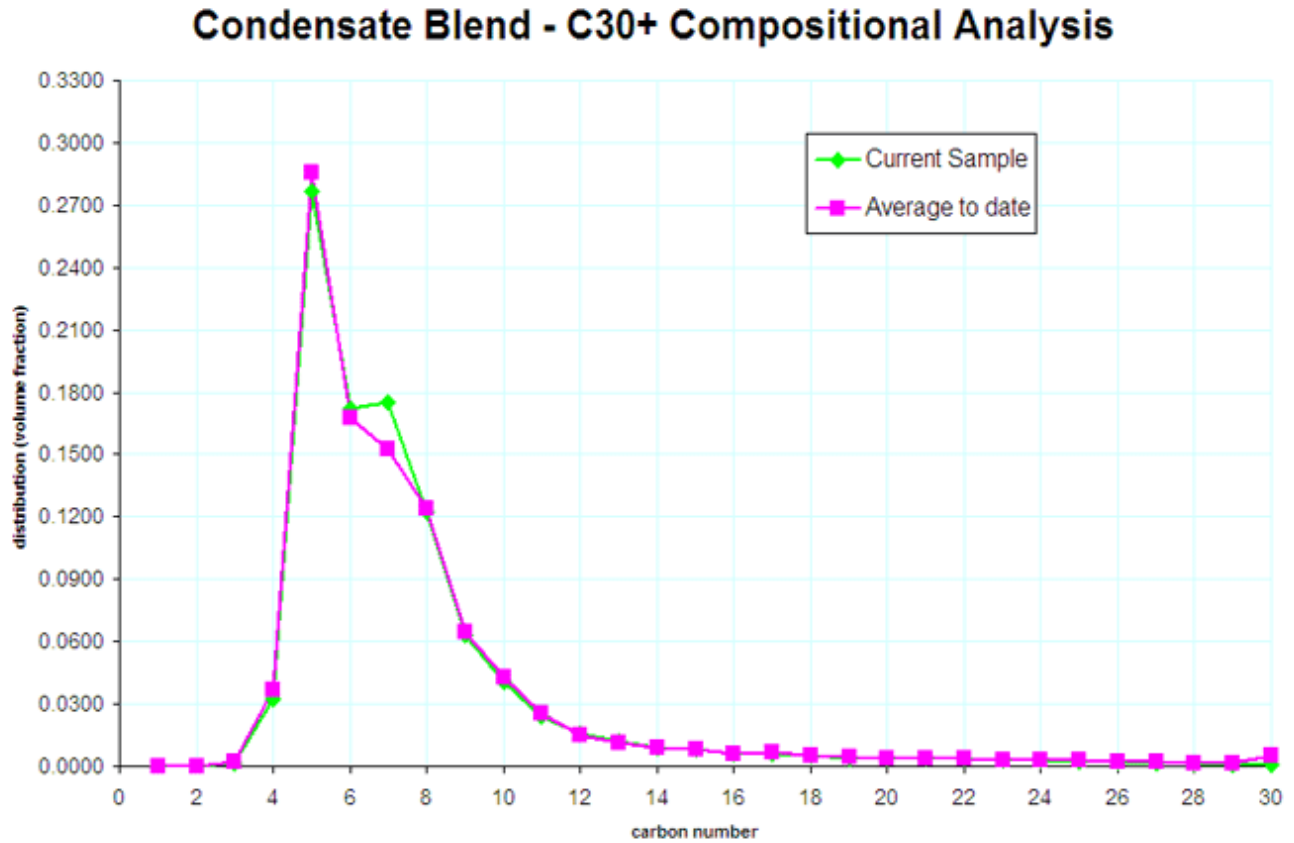
	Sample Date	Batch #	Sulphur (wt%)	API Gravity (degree)	Absolute Density (kg/m ³)	MCR (wt%)	Viscosity @ 7.5° C (cSt)	RVP (kPa)	Organo-Phosphates (ppmw)	Total Mercaptans (ppm)	Olefins (wt%)
Current Data	01/05/09	CRW-815	0.22	65.9	716.2	0.2	0.78	69.5	1.2	116	ND
Average To Date			0.19	65.0	719.6	0.24	0.81	74.6	0.87	100	7xND
Std Dev.			0.08	2.1	7.6	0.13	0.05	2.4	0.23	18	-
Avg+StdDev			0.27	67.1	727.2	0.37	0.86	77	1.1	117	-
Avg-StdDev			0.10	62.9	712.1	0.10	0.76	72.3	0.63	81	-

The January sample of CRW exhibited a decreased RVP along with increases in organo-phosphates and C7s.

This sample of Condensate Blend (CRW) was tested for sediment by filtration, with a result of 150 ppmw.



Figure 1. C30+ Compositional Analysis for CRW-815





C30+ COMPOSITIONAL ANALYSIS

A904694:N55771

MaxxID

Client ID

Meter Number

Laboratory Number

CRUDE QUALITY INC.

Operator Name

LSD

Well ID

CRUDE QUALITY INC. JAN09 LIGHTS

ENBRIDGE

Well Name

Initials of Sampler

Sampling Company

COND. BLEND CRW-815

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

22

As Received

Gas or Condensate Project

Licence No.

2009/01/05

2009/02/04

2009/03/02

SK1,GM1

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	0.0027	0.0013	0.0018
IC4	0.0061	0.0038	0.0046
NC4	0.0379	0.0235	0.0278
IC5	0.1575	0.1210	0.1343
NC5	0.1688	0.1297	0.1425
C6	0.1812	0.1661	0.1722
C7+	0.4458	0.5546	0.5168
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+		0.697		96	0.9533	0.9714	0.9658
C6+		0.725		108	0.6270	0.7207	0.6890
C7+	0.744		117	117	0.4458	0.5546	0.5168
C10+					0.0927	0.1776	0.1555
C12+					0.0464	0.1084	0.0911
TOTAL		0.693		94			

Calculated Absolute Density Total Sample:
Gas Equivalent Factor:

692.4 kg/m3 @ 15°C
174.11 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.

A904694:N55771

Operator Name

Laboratory Number

CRUDE QUALITY INC. JAN09 LIGHTS

COND. BLEND CRW-815

Well Name

Sample Point

ENBRIDGE

Sampling Company

MaxxID

Client ID

2009/01/05

2009/02/04

2009/03/02

SK1,GM1

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	0.0027	0.0013	0.0018
Iso-Butane	-12	0.0061	0.0038	0.0046
n-Butane	0	0.0379	0.0235	0.0278
Iso-Pentane	28	0.1575	0.1210	0.1343
n-Pentane	36	0.1688	0.1297	0.1425
Hexanes	37-69	0.1812	0.1661	0.1722
Heptanes	70-98	0.1820	0.1791	0.1754
Octanes	99-126	0.1174	0.1300	0.1227
Nonanes	127-151	0.0537	0.0679	0.0632
Decanes	152-174	0.0294	0.0427	0.0407
Undecanes	175-196	0.0169	0.0265	0.0237
Dodecanes	197-216	0.0103	0.0176	0.0156
Triadecanes	217-236	0.0073	0.0137	0.0118
Tetradecanes	237-253	0.0050	0.0101	0.0087
Pentadecanes	254-271	0.0044	0.0097	0.0083
Hexadecanes	272-287	0.0029	0.0068	0.0057
Heptadecanes	288-302	0.0030	0.0075	0.0062
Octadecanes	303-317	0.0023	0.0062	0.0051
NonaDecanes	318-331	0.0018	0.0049	0.0039
Eicosanes	332-343	0.0017	0.0049	0.0039
Heneicosanes	344-357	0.0015	0.0047	0.0038
Docosanes	358-369	0.0013	0.0042	0.0035
Triacosanes	370-380	0.0011	0.0038	0.0031
Tetracosanes	381-391	0.0010	0.0036	0.0030
Pentacosanes	392-402	0.0008	0.0030	0.0024
Hexacosanes	403-412	0.0007	0.0025	0.0020
Heptacosanes	413-422	0.0005	0.0019	0.0015
Octacosanes	423-432	0.0004	0.0016	0.0013
Nonacosanes	433-441	0.0002	0.0009	0.0007
triacontanes+	442-449+	0.0002	0.0008	0.0006
Totals		1.0000	1.0000	1.0000
neoHexane	50	0.0000	0.0000	0.0000
Methylcyclopentane	70	0.0390	0.0349	0.0328
Benzene	80	0.0162	0.0135	0.0109
Cyclohexane	81	0.0319	0.0286	0.0260
Methylcyclohexane	101	0.0384	0.0402	0.0369
Toluene	111	0.0240	0.0236	0.0192
Ethylbenzene	136	0.0024	0.0027	0.0023
m&p-Xylene	139	0.0135	0.0153	0.0123
o-Xylene	144	0.0035	0.0039	0.0032
1,2,4-Trimethylbenzene	169	0.0034	0.0044	0.0036

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

Results relate only to items tested

Remarks:



TRACE SULPHUR ANALYSIS

A904694:N55772

MaxID		Client ID		Meter Number		Laboratory Number	
CRUDE QUALITY INC.				LSD		Well ID	
Operator Name CRUDE QUALITY INC. JAN09 LIGHTS				Initials of Sampler		Sampling Company ENBRIDGE	
Well Name				COND. BLEND CRW-815		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.							
2009/01/05		2009/02/04		2009/03/02		AG	
Date Sampled Start		Date Sampled End		Date Received		Date Reported	
						Date Reissued	
						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	0.7	<0.5	
Methanethiol	Methyl mercaptan		6.2	16.5	5.0	Molecular Wt. (g/mole) Calculated
Ethanethiol	Ethyl mercaptan		35	132.5	40.0	
Dimethyl Sulphide	DMS		38	23.6	7.1	Onsite H2S
Carbon Disulphide	CS2		46.5	3.3	1.0	
Iso-Propanethiol	Iso-propyl mercaptan		58	116.7	35.2	ppm(mole) mole%
t-Butanethiol	tert-butyl mercaptan		64	13.5	4.1	
Methyl Ethyl Sulphide	MES		67	13.6	4.1	
n-Propanethiol	Propyl mercaptan		70	23.4	7.0	
Unknown			36-69	<0.5	<0.5	
Thiophene/sec-Butanethiol	Thiophene/sec-Butyl mercaptan		84/90	57.3	17.3	
Diethyl Sulphide	DES		92.1	6.3	1.9	
Iso-Butanethiol	Iso-butyl mercaptan		99	2.6	0.8	
n-Butanethiol	Butyl mercaptan		98	7.4	2.2	
Unknown			71-97	5.0	1.5	
Dimethyl Disulphide	DMDS		110	31.0	9.4	
n-Pentanethiol	Pentyl mercaptan		127	2.8	0.9	
Unknown			100-126	35.8	10.8	
n-Hexanethiol	Hexyl mercaptan		151	9.8	3.0	
Unknown			127-150	52.6	15.9	
n-Heptanethiol	Heptyl mercaptan		177	1.7	0.5	
Unknown			152-176	50.7	15.3	
Total Sulphur				4336	1309.0	

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	