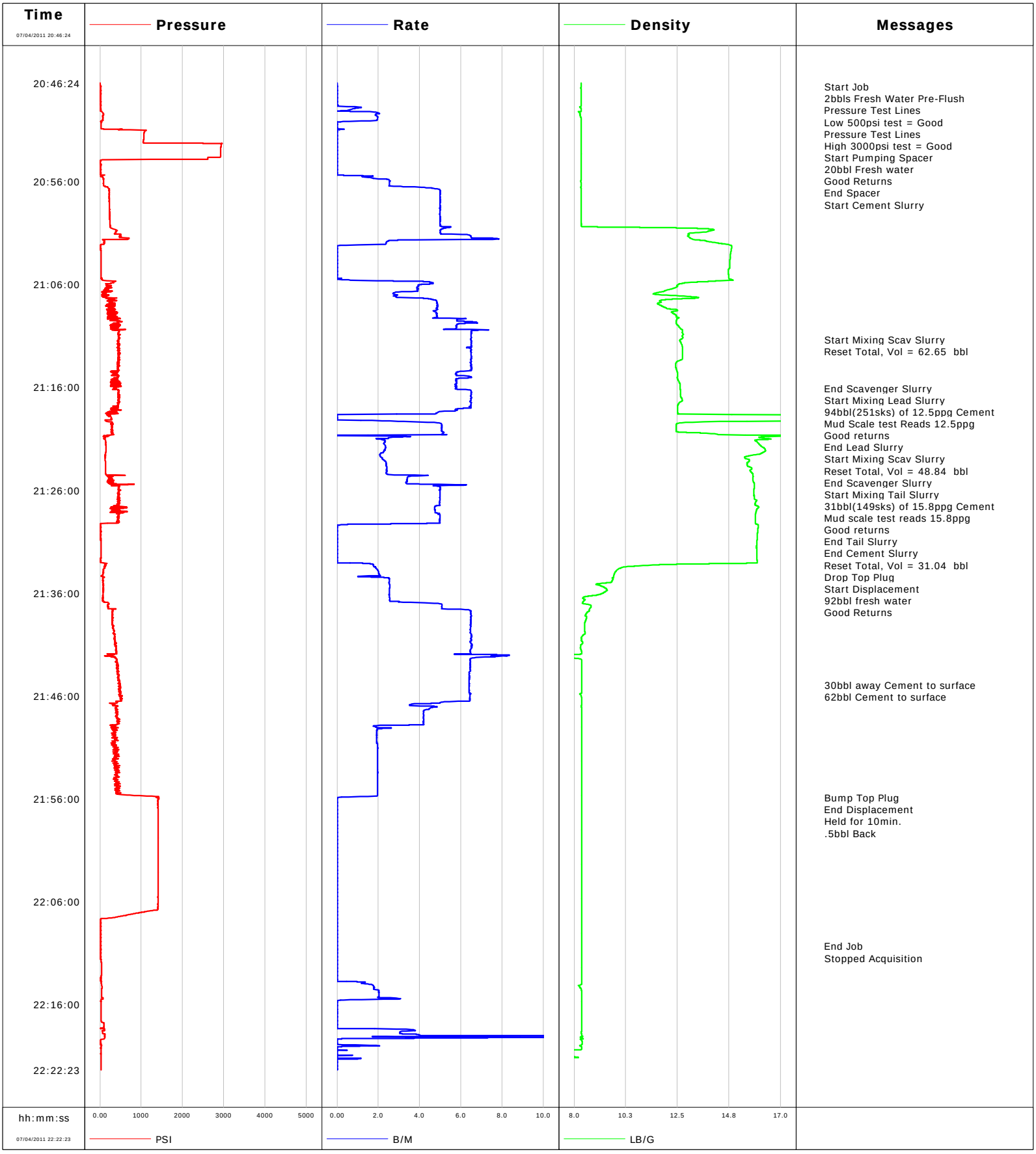
Schlumberger

Cementing Job Report

CemCAT v1.5

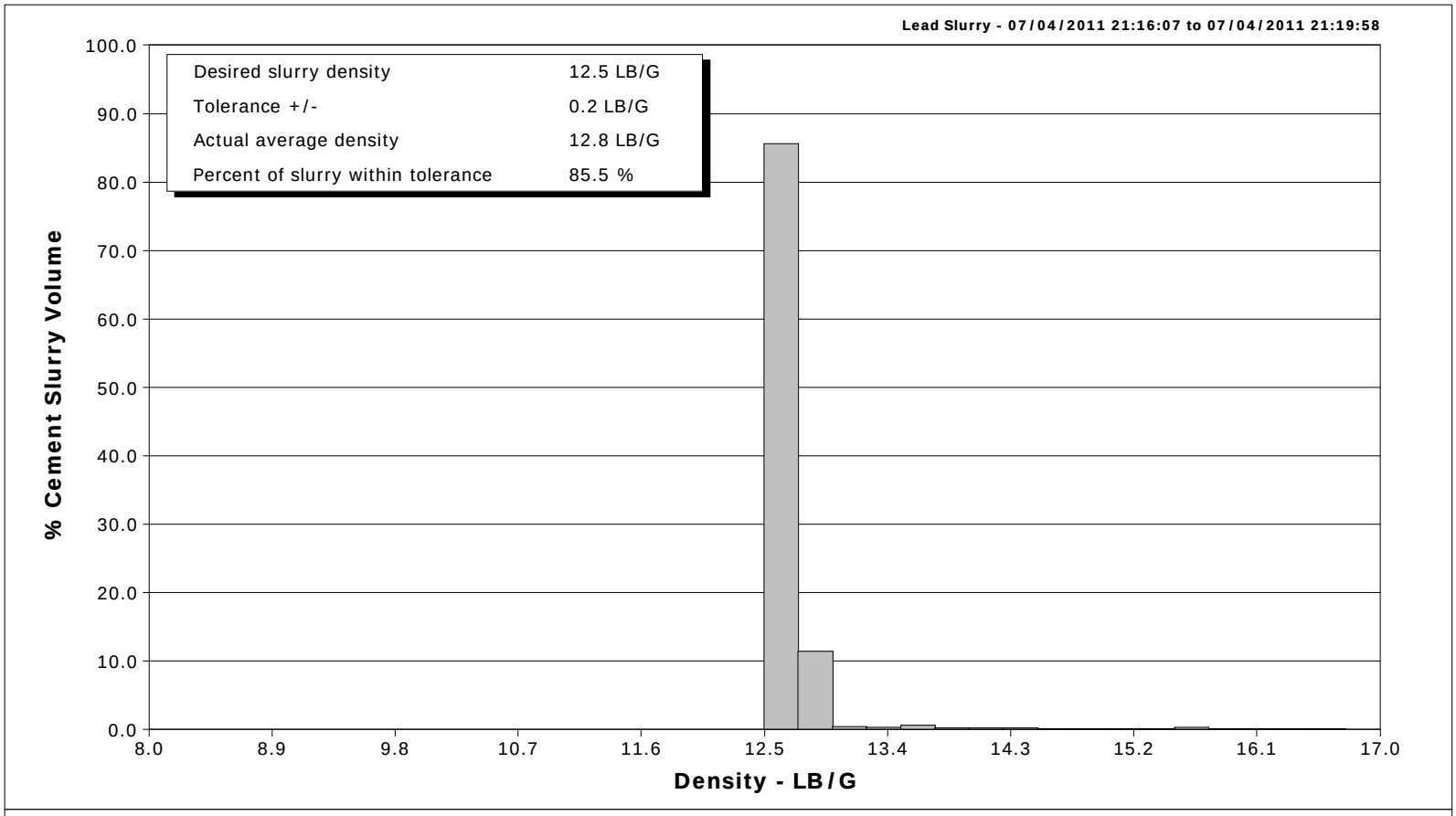
Well	DAYBREAK FEDERAL 19-6C	**Client**	Encana Oil Gas
Field	Mamm Creek	**SIR No.**	000569303
Engineer	Dustin C Krueger	**Job Type**	Surface
Country	United States	**Job Date**	07-4-2011

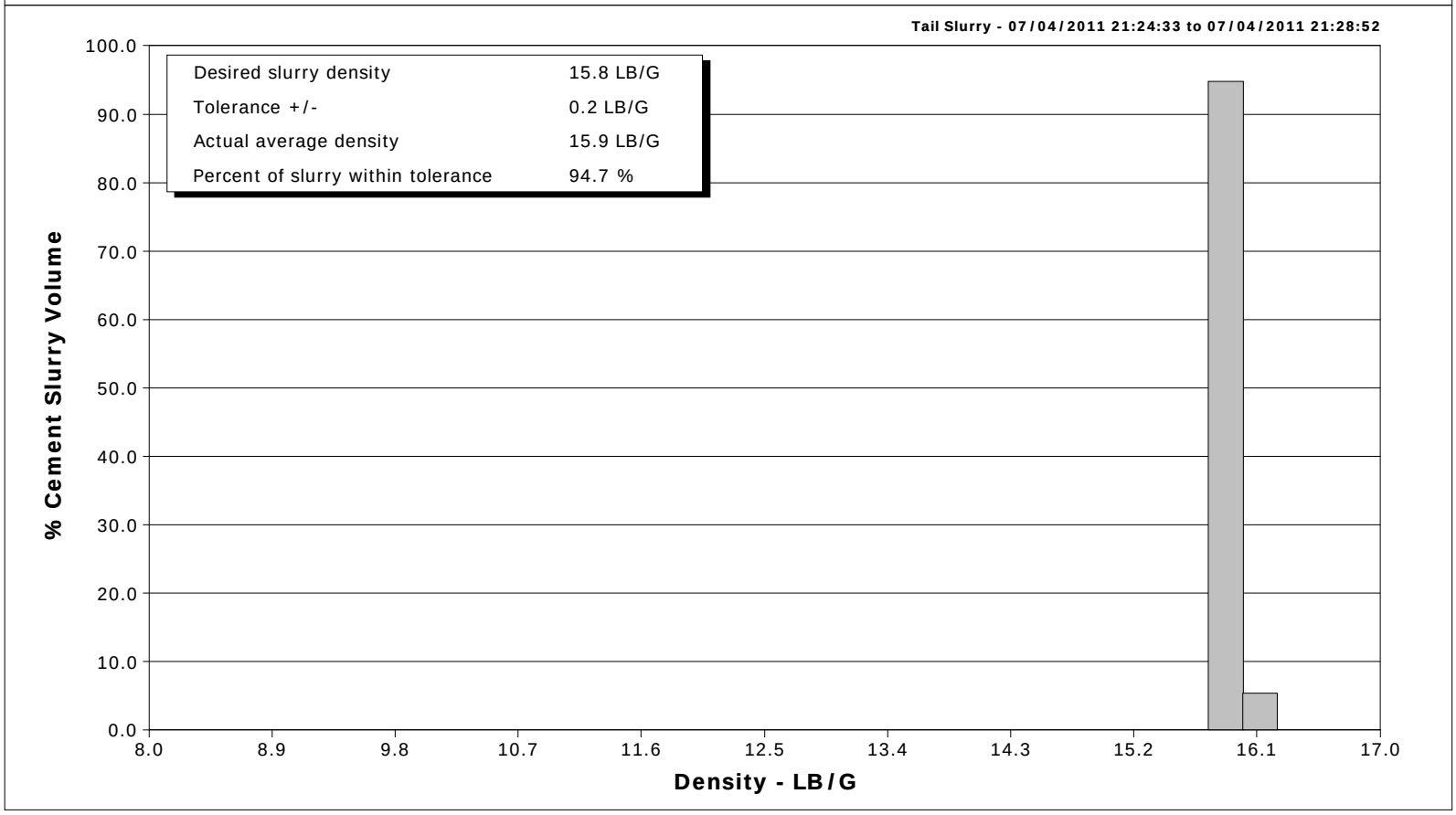


Schlumberger

Cementing Qa/Qc Density Report

Well	DAYBREAK FEDERAL 19-6C	**Client**	Encana Oil Gas
Field	Mamm Creek	**SIR No.**	000569303
Engineer	Dustin C Krueger	**Job Type**	Surface
Country	United States	**Job Date**	07-4-2011





Schlumberger Cementing Service Report

Customer	Job Number
Encana Oil & Gas	000569303

Well	Location (legal)	Schlumberger Location	Job Start
DAYBREAK FEDERAL 19-6C DAYBREAK FEDERAL 19-6C	Nabors M-15	GRAND JUNCTION	Jul/04/2011

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Mamm Creek	Shale	15 deg	12.3 in	1240.0 ft	1240.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Garfield	Colorado	psi	95 degF	80 degF	lb/gal

Well Master	API/UWI
0631209446	.

Rig Name	Drilled For	Service Via
NABORS M-15	Gas	Land

Offshore Zone	Well Class	Well Type
	New	New Well Completion

Drilling Fluid Type	Max. Density	Plastic Viscosity
Bentonite	9.30 lb/gal	20.000 cP

Service Line	Job Type
Cementing	Surface

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
3000 psi	500 psi	Single Cement head

Service Instructions

Cement a 9 5/8 Surface set @ 1240ft using:
20bbl fresh water spacer
94bbl(251sks) of 12.5ppg Lead Cement
31bbl(149sks) of 15.8ppg Tail Cement
90bbl Fresh water displacement
62bbl Cement to Surface

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
40.0	16.0	65.0		
1240.0	9.6	36.0	K-55	8RD

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
ft	ft			ft
ft	ft			Diameter
ft	ft			in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	92.5 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
bbl	95.8 bbl	79.0 bbl	167.0 bbl

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement
X	X

Lift Pressure	Pipe Rotated	Pipe Reciprocated
296 psi		

No. Centralizers	Top Plugs	Bottom Plugs
	1	0

Cement Head Type
Single

Job Scheduled For	Arrived on Location	Leave Location
Jul/04/2011 16:00	Jul/04/2011 16:30	Jul/04/2011 23:00

Casing Tools

Shoe Type	Guide
Shoe Depth	1240.0 ft
Stage Tool Type	
Stage Tool Depth	ft
Collar Type	Float
Collar Depth	1196.0 ft

Squeeze Job

Squeeze Type	
Tool Type	
Tool Depth	ft
Tail Pipe Size	in
Tail Pipe Depth	ft
Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/04/2011	20:46:24	1	0.0	8.31	25.7	Started Acquisition
07/04/2011	20:46:46	13	4.6	8.30	25.7	Start Job
07/04/2011	20:46:52	14	4.4	8.30	25.7	2bbls Fresh Water Pre-Flush
07/04/2011	20:47:03	12	3.9	8.31	25.7	Pressure Test Lines
07/04/2011	20:47:06	13	4.1	8.31	25.7	Low 500psi test = Good
07/04/2011	20:47:10	12	3.8	8.31	25.7	Pressure Test Lines
07/04/2011	20:47:11	12	3.9	8.31	25.7	High 3000psi test = Good
07/04/2011	20:47:16	12	3.8	8.31	25.7	Start Pumping Spacer
07/04/2011	20:47:19	12	3.9	8.31	25.7	20bbl Fresh water
07/04/2011	20:47:20	12	3.9	8.31	25.7	End Spacer
07/04/2011	20:47:21	12	3.9	8.31	25.7	Start Cement Slurry
07/04/2011	20:48:54	19	3.8	8.30	0.2	
07/04/2011	20:51:24	1063	1.7	8.31	2.2	
07/04/2011	20:53:54	58	0.0	8.31	2.2	
07/04/2011	20:56:24	90	4.0	8.31	4.3	
07/04/2011	20:58:54	234	4.5	8.32	16.4	
07/04/2011	21:03:54	35	4.8	14.78	32.6	
07/04/2011	21:06:24	130	4.6	12.32	35.7	
07/04/2011	21:08:54	360	4.7	12.38	46.1	
07/04/2011	21:11:20	442	5.1	12.67	60.7	Start Mixing Scav Slurry
07/04/2011	21:11:24	463	5.1	12.62	61.1	

Well	Field	Job Start	Customer	Job Number
DAYBREAK FEDERAL 19-6C DAYBREAK FEDERAL 19-6C	Mamm Creek	Jul/04/2011	Encana Oil & Gas	000569303

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/04/2011	21:13:54	477	5.1	12.43	77.4	
07/04/2011	21:16:05	374	5.1	12.62	90.5	End Scavenger Slurry
07/04/2011	21:16:07	404	5.1	12.62	90.7	Start Mixing Lead Slurry
07/04/2011	21:16:10	404	5.1	12.62	91.0	94bbl(251sks) of 12.5ppg Cement
07/04/2011	21:16:11	404	5.1	12.63	91.1	Good returns
07/04/2011	21:16:24	444	5.1	12.64	92.5	
07/04/2011	21:18:54	263	3.9	25.00	106.4	
07/04/2011	21:19:58	288	4.4	12.45	109.6	End Lead Slurry
07/04/2011	21:20:01	291	4.4	12.45	109.9	Start Mixing Scav Slurry
07/04/2011	21:20:19	307	4.6	12.44	111.4	Reset Total, Vol = 48.84 bbl
07/04/2011	21:21:24	143	4.6	16.00	114.8	
07/04/2011	21:23:54	135	4.7	15.75	120.5	
07/04/2011	21:24:32	242	5.0	15.79	122.0	End Scavenger Slurry
07/04/2011	21:24:33	242	5.0	15.79	122.1	Start Mixing Tail Slurry
07/04/2011	21:24:35	236	5.0	15.79	122.2	31bbl(149sks) of 15.8ppg Cement
07/04/2011	21:24:36	236	5.0	15.80	122.3	Mud scale test reads 15.8ppg
07/04/2011	21:26:24	479	4.9	15.84	130.0	
07/04/2011	21:28:52	449	0.0	15.89	142.1	End Tail Slurry
07/04/2011	21:28:53	427	0.0	15.89	142.2	End Cement Slurry
07/04/2011	21:28:54	427	0.0	15.89	142.3	
07/04/2011	21:28:56	453	0.0	15.89	142.5	Reset Total, Vol = 31.04 bbl
07/04/2011	21:29:04	464	0.0	15.89	143.1	Drop Top Plug
07/04/2011	21:29:06	406	0.0	15.89	143.3	Start Displacement
07/04/2011	21:29:10	417	0.0	15.90	143.6	92bbl fresh water
07/04/2011	21:31:24	32	3.9	15.95	144.3	
07/04/2011	21:33:54	89	0.0	9.82	145.8	
07/04/2011	21:36:24	78	4.9	8.44	151.7	
07/04/2011	21:38:54	299	4.9	8.47	164.8	
07/04/2011	21:41:24	385	4.9	8.28	181.0	
07/04/2011	21:43:54	461	4.9	8.34	197.5	
07/04/2011	21:44:58	495	4.8	8.34	204.3	30bbl away Cement to surface
07/04/2011	21:46:24	492	0.0	8.33	213.5	
07/04/2011	21:48:54	317	0.0	8.33	224.5	
07/04/2011	21:51:24	401	0.0	8.33	229.4	
07/04/2011	21:53:54	453	0.0	8.33	234.3	
07/04/2011	21:55:55	1395	0.0	8.33	238.1	Bump Top Plug
07/04/2011	21:55:56	1395	0.0	8.33	238.1	End Displacement
07/04/2011	21:56:05	1426	0.0	8.33	238.1	Held for 10min.
07/04/2011	21:56:24	1409	0.0	8.33	238.1	
07/04/2011	21:58:54	1407	0.0	8.33	238.1	
07/04/2011	22:01:24	1408	0.0	8.33	238.1	
07/04/2011	22:03:54	1406	0.0	8.33	238.1	
07/04/2011	22:06:24	1405	0.0	8.33	238.1	
07/04/2011	22:08:54	23	0.0	8.33	238.1	
07/04/2011	22:10:22	23	0.0	8.33	238.1	End Job
07/04/2011	22:10:23	23	0.0	8.33	238.1	Stopped Acquisition
07/04/2011	22:11:24	23	0.0	8.33	238.1	
07/04/2011	22:13:54	35	0.0	8.33	238.2	
07/04/2011	22:16:24	24	0.0	8.33	241.4	
07/04/2011	22:18:54	121	0.0	8.32	243.1	

Well	Field	Job Start	Customer	Job Number
DAYBREAK FEDERAL 19-6C DAYBREAK FEDERAL 19-6C	Mamm Creek	Jul/04/2011	Encana Oil & Gas	000569303

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.3			12.9	125.0	0.0	20.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2959	24	419	1150		FreshWater	281.0 bbl	8.34 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
%	125.0 bbl	92.0 bbl	70 degF	[X]	62.0 bbl
				Washed Thru Perfs [ ]	To ft

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Ed Astuwick	Dustin C Krueger	[ ] -	[X] -