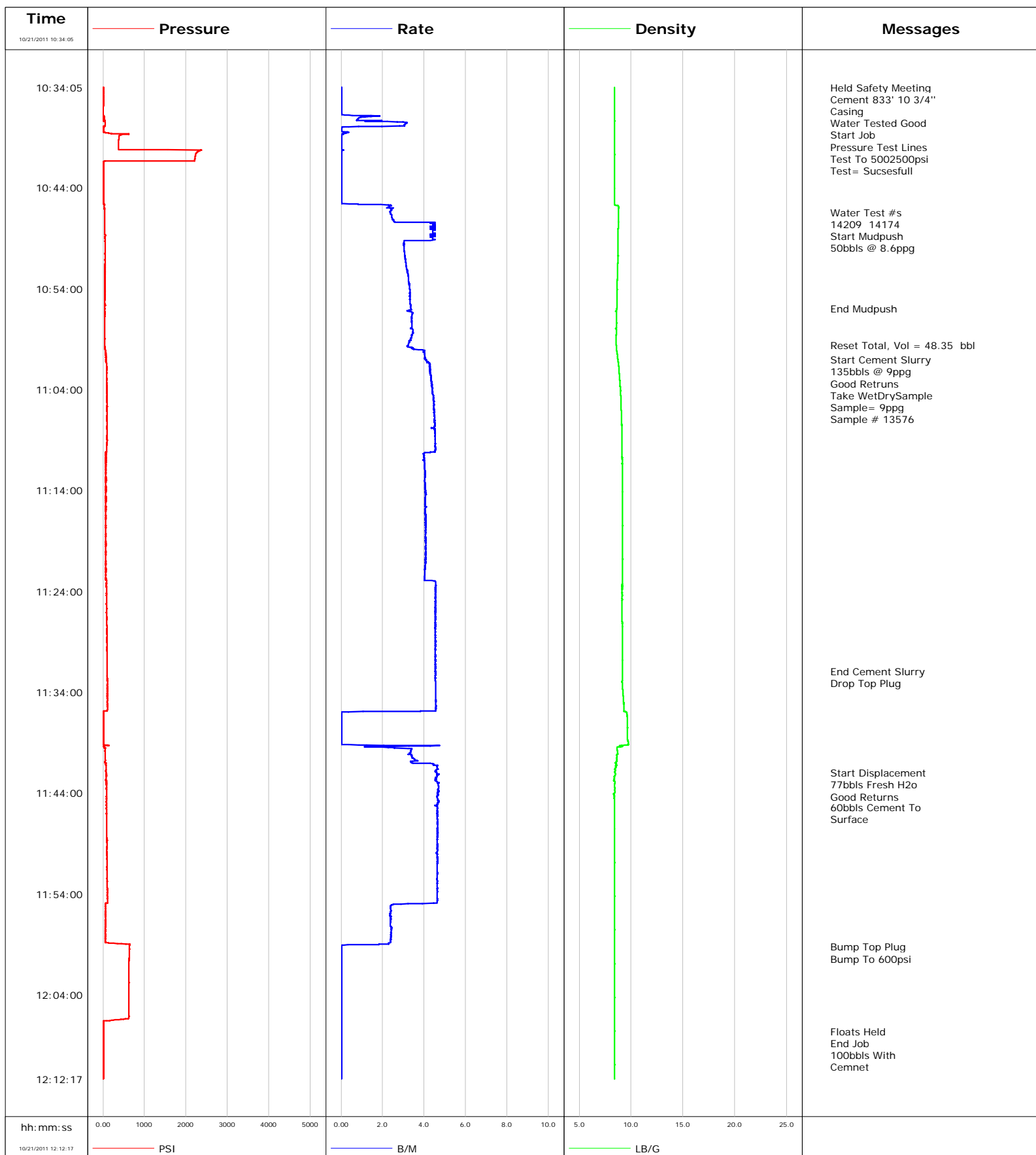


**Well** HH 9102-14  
**Field** HELLS HOLE  
**Engineer** Jeff Patterson  
**Country** United States

**Client** ENCANA  
**SIR No.** BQMF-00318  
**Job Type** SURFACE  
**Job Date** 10-21-2011





# Cementing Service Report

				Customer		Job Number	
Well		Location (legal)		Schlumberger Location		Job Start Oct/21/2011	
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient
Well Master		API/UWI					
Rig Name	Drilled For	Service Via	Casing/Liner				
			Depth,	Size,	Weight,	Grade	Thread
Offshore Zone	Well Class	Well Type					
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe			
				Depth,	Size,	Weight,	Grade
Service Line Cementing	Job Type						
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole				
			Top,	Bottom,		No. of Shots	Total Interval
Service Instructions							
							Diameter
			Treat Down	Displacement	Packer Type	Packer Depth	
	Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.			
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure			Shoe Type		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth		Tool Type	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth	
Cement Head Type			Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Oct/21/2011		Arrived on Location Oct/21/2011	Leave Location Oct/21/2011	Collar Type		Tail Pipe Depth	
			Collar Depth		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/01/1970	00:00:00					Started Acquisition	
01/01/1970	00:00:00					Stopped Acquisition	
10/21/2011	09:55:30					Started Acquisition	
10/21/2011	10:34:05	1	0.0	8.42	0.0		
10/21/2011	10:34:07					Held Safety Meeting	
10/21/2011	10:34:07					Cement 833' 10 3/4"	
10/21/2011	10:34:07	1	0.0	8.42	0.0		
10/21/2011	10:34:08					Casing	
10/21/2011	10:34:08					Water Tested Good	
10/21/2011	10:34:08	1	0.0	8.42	0.0		
10/21/2011	10:34:11					Start Job	
10/21/2011	10:34:11	1	0.0	8.42	0.0		
10/21/2011	10:34:13					Pressure Test Lines	
10/21/2011	10:34:13	1	0.0	8.42	0.0		
10/21/2011	10:34:14					Test To 5002500psi	
10/21/2011	10:34:14	1	0.0	8.42	0.0		
10/21/2011	10:34:15					Test= Sucsesfull	
10/21/2011	10:34:15	0	0.0	8.42	0.0		
10/21/2011	10:34:30	0	0.0	8.42	0.0		
10/21/2011	10:35:00	1	0.0	8.42	0.0		
10/21/2011	10:35:30	0	0.0	8.42	0.0		

Well			Field		Job Start Oct/21/2011		Customer	Job Number
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/21/2011	10:36:30	-2	0.0	8.42	0.0			
10/21/2011	10:37:00	12	1.4	8.42	0.2			
10/21/2011	10:37:30	40	2.2	8.42	0.7			
10/21/2011	10:38:00	13	0.4	8.42	2.1			
10/21/2011	10:38:30	14	0.2	8.42	2.1			
10/21/2011	10:39:00	387	0.0	8.42	2.2			
10/21/2011	10:39:30	378	0.0	8.42	2.2			
10/21/2011	10:40:00	374	0.0	8.42	2.2			
10/21/2011	10:40:30	2274	0.0	8.42	2.2			
10/21/2011	10:41:00	2222	0.0	8.42	2.2			
10/21/2011	10:41:30	11	0.0	8.42	2.2			
10/21/2011	10:42:00	9	0.0	8.42	2.2			
10/21/2011	10:42:30	8	0.0	8.42	2.2			
10/21/2011	10:43:00	9	0.0	8.42	2.2			
10/21/2011	10:43:30	9	0.0	8.42	2.3			
10/21/2011	10:44:00	9	0.0	8.42	2.3			
10/21/2011	10:44:30	9	0.0	8.42	2.3			
10/21/2011	10:45:00	10	0.0	8.42	2.3			
10/21/2011	10:45:30	9	0.0	8.42	2.3			
10/21/2011	10:46:00	32	2.3	8.81	3.0			
10/21/2011	10:46:29					Water Test #s		
10/21/2011	10:46:29	38	2.4	8.79	4.2			
10/21/2011	10:46:30					14209 14174		
10/21/2011	10:46:30	39	2.4	8.80	4.2			
10/21/2011	10:47:00	41	2.5	8.80	5.4			
10/21/2011	10:47:13					Start Mudpush		
10/21/2011	10:47:13	41	2.5	8.80	6.0			
10/21/2011	10:47:14					50bbbls @ 8.6ppg		
10/21/2011	10:47:14	40	2.5	8.79	6.0			
10/21/2011	10:47:30	42	4.5	8.79	6.8			
10/21/2011	10:48:00	42	4.3	8.77	9.0			
10/21/2011	10:48:30	42	4.4	8.75	11.2			
10/21/2011	10:49:00	48	4.4	8.75	13.4			
10/21/2011	10:49:30	49	3.0	8.75	15.3			
10/21/2011	10:50:00	49	3.0	8.75	16.8			
10/21/2011	10:50:30	48	3.1	8.73	18.4			
10/21/2011	10:51:00	48	3.1	8.73	19.9			
10/21/2011	10:51:30	48	3.1	8.71	21.4			
10/21/2011	10:52:00	48	3.2	8.70	23.0			
10/21/2011	10:52:30	48	3.2	8.68	24.6			
10/21/2011	10:53:00	48	3.3	8.67	26.2			
10/21/2011	10:53:30	47	3.3	8.66	27.9			
10/21/2011	10:54:00	47	3.3	8.65	29.5			
10/21/2011	10:54:30	47	3.3	8.65	31.2			
10/21/2011	10:55:00	46	3.3	8.64	32.8			
10/21/2011	10:55:30	47	3.3	8.63	34.5			
10/21/2011	10:56:00	47	3.4	8.62	36.2			
10/21/2011	10:56:02					End Mudpush		
10/21/2011	10:56:02	46	3.4	8.62	36.3			
10/21/2011	10:56:30	46	3.4	8.61	37.8			
10/21/2011	10:57:00	46	3.4	8.60	39.5			
10/21/2011	10:57:30	47	3.4	8.59	41.2			
10/21/2011	10:58:00	46	3.4	8.53	42.9			
10/21/2011	10:58:30	46	3.4	8.58	44.7			

Well			Field		Job Start Oct/21/2011		Customer	Job Number
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/21/2011	10:59:30	43	3.3	8.57	48.0			
10/21/2011	10:59:36					Reset Total, Vol = 48.35 bbl		
10/21/2011	10:59:36	42	3.2	8.57	48.3			
10/21/2011	11:00:00	42	3.5	8.59	49.7			
10/21/2011	11:00:30	59	4.0	8.66	51.6			
10/21/2011	11:01:00	80	4.1	8.71	53.6			
10/21/2011	11:01:04					Start Cement Slurry		
10/21/2011	11:01:04	74	4.1	8.72	53.9			
10/21/2011	11:01:11					135bbls @ 9ppg		
10/21/2011	11:01:11					Good Retrurns		
10/21/2011	11:01:11					Take WetDrySample		
10/21/2011	11:01:11					Sample= 9ppg		
10/21/2011	11:01:11	74	4.1	8.74	54.4			
10/21/2011	11:01:30	88	4.3	8.78	55.7			
10/21/2011	11:02:00	91	4.3	8.83	57.9			
10/21/2011	11:02:05					Sample # 13576		
10/21/2011	11:02:05	90	4.3	8.83	58.2			
10/21/2011	11:02:30	87	4.3	8.86	60.0			
10/21/2011	11:03:00	90	4.4	8.90	62.2			
10/21/2011	11:03:30	91	4.4	8.94	64.3			
10/21/2011	11:04:00	94	4.4	8.97	66.5			
10/21/2011	11:04:30	96	4.4	8.99	68.7			
10/21/2011	11:05:00	92	4.4	9.01	71.0			
10/21/2011	11:05:30	98	4.5	9.03	73.2			
10/21/2011	11:06:00	94	4.5	9.05	75.4			
10/21/2011	11:06:30	98	4.5	9.06	77.7			
10/21/2011	11:07:00	96	4.5	9.08	79.9			
10/21/2011	11:07:30	98	4.5	9.09	82.2			
10/21/2011	11:08:00	98	4.5	9.11	84.4			
10/21/2011	11:08:30	97	4.5	9.11	86.7			
10/21/2011	11:09:00	98	4.5	9.12	89.0			
10/21/2011	11:09:30	99	4.5	9.13	91.2			
10/21/2011	11:10:00	94	4.6	9.14	93.5			
10/21/2011	11:10:30	68	4.0	9.14	95.6			
10/21/2011	11:11:00	77	4.0	9.14	97.6			
10/21/2011	11:11:30	70	4.0	9.14	99.6			
10/21/2011	11:12:00	62	4.0	9.15	101.7			
10/21/2011	11:12:30	69	4.0	9.15	103.7			
10/21/2011	11:13:00	84	4.0	9.15	105.7			
10/21/2011	11:13:30	70	4.0	9.15	107.7			
10/21/2011	11:14:00	75	4.1	9.16	109.7			
10/21/2011	11:14:30	62	4.1	9.17	111.8			
10/21/2011	11:15:00	75	4.0	9.17	113.8			
10/21/2011	11:15:30	63	4.1	9.17	115.8			
10/21/2011	11:16:00	70	4.1	9.17	117.9			
10/21/2011	11:16:30	63	4.1	9.17	119.9			
10/21/2011	11:17:00	65	4.1	9.17	121.9			
10/21/2011	11:17:30	72	4.1	9.18	124.0			
10/21/2011	11:18:00	62	4.1	9.17	126.0			
10/21/2011	11:18:30	68	4.1	9.17	128.0			
10/21/2011	11:19:00	62	4.1	9.17	130.1			
10/21/2011	11:19:30	64	4.1	9.17	132.1			
10/21/2011	11:20:00	71	4.1	9.16	134.1			
10/21/2011	11:20:30	62	4.1	9.16	136.2			

Well			Field		Job Start Oct/21/2011		Customer	Job Number
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/21/2011	11:21:30	63	4.0	9.15	140.2			
10/21/2011	11:22:00	70	4.0	9.15	142.2			
10/21/2011	11:22:30	71	4.0	9.15	144.3			
10/21/2011	11:23:00	89	4.5	9.15	146.3			
10/21/2011	11:23:30	85	4.6	9.14	148.6			
10/21/2011	11:24:00	91	4.6	9.14	150.9			
10/21/2011	11:24:30	87	4.6	9.14	153.1			
10/21/2011	11:25:00	91	4.5	9.14	155.4			
10/21/2011	11:25:30	90	4.6	9.14	157.7			
10/21/2011	11:26:00	88	4.6	9.14	160.0			
10/21/2011	11:26:30	92	4.5	9.14	162.2			
10/21/2011	11:27:00	91	4.5	9.14	164.5			
10/21/2011	11:27:30	98	4.5	9.15	166.8			
10/21/2011	11:28:00	94	4.5	9.15	169.0			
10/21/2011	11:28:30	96	4.5	9.15	171.3			
10/21/2011	11:29:00	96	4.6	9.15	173.6			
10/21/2011	11:29:30	100	4.5	9.15	175.9			
10/21/2011	11:30:00	98	4.5	9.15	178.1			
10/21/2011	11:30:30	100	4.5	9.15	180.4			
10/21/2011	11:31:00	102	4.5	9.15	182.7			
10/21/2011	11:31:30	99	4.6	9.15	184.9			
10/21/2011	11:31:53					End Cement Slurry		
10/21/2011	11:31:53	103	4.5	9.15	186.7			
10/21/2011	11:31:55					Drop Top Plug		
10/21/2011	11:31:55	104	4.6	9.15	186.8			
10/21/2011	11:32:00	105	4.5	9.15	187.2			
10/21/2011	11:32:30	107	4.5	9.15	189.5			
10/21/2011	11:33:00	108	4.6	9.14	191.8			
10/21/2011	11:33:30	103	4.6	9.17	194.0			
10/21/2011	11:34:00	109	4.6	9.21	196.3			
10/21/2011	11:34:30	104	4.6	9.25	198.6			
10/21/2011	11:35:00	106	4.6	9.28	200.9			
10/21/2011	11:35:30	110	4.6	9.30	203.2			
10/21/2011	11:36:00	11	0.0	9.55	205.0			
10/21/2011	11:36:30	3	0.0	9.62	205.0			
10/21/2011	11:37:00	3	0.0	9.63	205.0			
10/21/2011	11:37:30	3	0.0	9.63	205.0			
10/21/2011	11:38:00	3	0.0	9.63	205.0			
10/21/2011	11:38:30	4	0.0	9.64	205.0			
10/21/2011	11:39:00	4	0.0	9.74	205.0			
10/21/2011	11:39:30	35	2.5	8.64	205.7			
10/21/2011	11:40:00	51	3.3	8.69	207.3			
10/21/2011	11:40:30	55	3.4	8.62	209.0			
10/21/2011	11:41:00	53	3.4	8.47	210.8			
10/21/2011	11:41:30	79	4.6	8.52	213.0			
10/21/2011	11:41:57					Start Displacement		
10/21/2011	11:41:57	80	4.6	8.46	215.0			
10/21/2011	11:42:00					77bbbls Fresh H2o		
10/21/2011	11:42:00	80	4.6	8.47	215.3			
10/21/2011	11:42:01					Good Returns		
10/21/2011	11:42:01	74	4.6	8.48	215.3			
10/21/2011	11:42:30	79	4.6	8.39	217.6			
10/21/2011	11:43:00	82	4.7	8.45	219.9			
10/21/2011	11:43:30	84	4.7	8.43	222.2			

Well			Field		Job Start Oct/21/2011		Customer	Job Number
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/21/2011	11:44:30	85	4.6	8.38	226.9			
10/21/2011	11:45:00	85	4.7	8.42	229.2			
10/21/2011	11:45:23					60bbls Cement To		
10/21/2011	11:45:23					Surface		
10/21/2011	11:45:23	86	4.6	8.42	231.0			
10/21/2011	11:45:30	81	4.6	8.42	231.5			
10/21/2011	11:46:00	83	4.6	8.42	233.9			
10/21/2011	11:46:30	88	4.6	8.42	236.2			
10/21/2011	11:47:00	90	4.6	8.41	238.5			
10/21/2011	11:47:30	91	4.6	8.42	240.8			
10/21/2011	11:48:00	90	4.6	8.42	243.1			
10/21/2011	11:48:30	96	4.6	8.42	245.5			
10/21/2011	11:49:00	98	4.6	8.42	247.8			
10/21/2011	11:49:30	96	4.6	8.42	250.1			
10/21/2011	11:50:00	97	4.6	8.42	252.4			
10/21/2011	11:50:30	94	4.6	8.42	254.7			
10/21/2011	11:51:00	97	4.6	8.42	257.1			
10/21/2011	11:51:30	101	4.6	8.42	259.4			
10/21/2011	11:52:00	102	4.6	8.42	261.7			
10/21/2011	11:52:30	101	4.6	8.42	264.0			
10/21/2011	11:53:00	103	4.6	8.42	266.3			
10/21/2011	11:53:30	107	4.6	8.42	268.7			
10/21/2011	11:54:00	110	4.6	8.42	271.0			
10/21/2011	11:54:30	109	4.6	8.42	273.3			
10/21/2011	11:55:00	62	2.5	8.42	275.5			
10/21/2011	11:55:30	60	2.4	8.42	276.7			
10/21/2011	11:56:00	60	2.4	8.42	277.9			
10/21/2011	11:56:30	60	2.4	8.42	279.1			
10/21/2011	11:57:00	60	2.4	8.42	280.3			
10/21/2011	11:57:30	58	2.4	8.42	281.5			
10/21/2011	11:58:00	59	2.4	8.42	282.7			
10/21/2011	11:58:30	59	2.4	8.42	283.9			
10/21/2011	11:59:00	642	0.8	8.42	285.0			
10/21/2011	11:59:11					Bump Top Plug		
10/21/2011	11:59:11	639	0.0	8.42	285.0			
10/21/2011	11:59:13					Bump To 600psi		
10/21/2011	11:59:13	639	0.0	8.42	285.0			
10/21/2011	11:59:30	636	0.0	8.42	285.0			
10/21/2011	12:00:00	633	0.0	8.42	285.0			
10/21/2011	12:00:30	631	0.0	8.42	285.0			
10/21/2011	12:01:00	630	0.0	8.42	285.1			
10/21/2011	12:01:30	629	0.0	8.42	285.1			
10/21/2011	12:02:00	628	0.0	8.42	285.1			
10/21/2011	12:02:30	628	0.0	8.42	285.1			
10/21/2011	12:03:00	628	0.0	8.42	285.1			
10/21/2011	12:03:30	627	0.0	8.42	285.1			
10/21/2011	12:04:00	628	0.0	8.42	285.1			
10/21/2011	12:04:30	627	0.0	8.42	285.1			
10/21/2011	12:05:00	627	0.0	8.42	285.1			
10/21/2011	12:05:30	628	0.0	8.42	285.1			
10/21/2011	12:06:00	628	0.0	8.42	285.1			
10/21/2011	12:06:30	203	0.0	8.42	285.1			
10/21/2011	12:07:00	3	0.0	8.42	285.1			
10/21/2011	12:07:30	3	0.0	8.42	285.1			

Well			Field		Job Start Oct/21/2011		Customer		Job Number	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/21/2011	12:07:35	3	0.0	8.42	285.1					
10/21/2011	12:07:36					End Job				
10/21/2011	12:07:36	4	0.0	8.42	285.1					
10/21/2011	12:07:45					100bbls With				
10/21/2011	12:07:45	4	0.0	8.42	285.1					
10/21/2011	12:08:00	4	0.0	8.42	285.1					
10/21/2011	12:08:02					Cemnet				
10/21/2011	12:08:02	4	0.0	8.42	285.1					
10/21/2011	12:08:30	3	0.0	8.42	285.1					
10/21/2011	12:09:00	4	0.0	8.42	285.2					
10/21/2011	12:09:30	4	0.0	8.42	285.2					
10/21/2011	12:10:00	4	0.0	8.42	285.2					
10/21/2011	12:10:30	3	0.0	8.42	285.2					
10/21/2011	12:11:00	4	0.0	8.42	285.2					
10/21/2011	12:11:30	3	0.0	8.42	285.2					

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		<input type="checkbox"/>	Volume
					Washed Thru Perfs		<input type="checkbox"/>	To
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost		<input type="checkbox"/> Job Completed <input type="checkbox"/>
					-		-	



# Service Quality Evaluation

<b>Client:</b>	ENCANA
<b>Field:</b>	HELLS HOLE
<b>Rig:</b>	
<b>Well:</b>	HH 9102-14
<b>Service Line:</b>	Cementing
<b>Job Type:</b>	SURFACE

<b>Service Order #:</b>	
<b>Date:</b>	Oct/21/2011
<b>Operating Time:</b>	0.0
<b>Client Rep:</b>	ENCANA
<b>Schlumberger Engineer:</b>	Jeff Patterson
<b>Schlumberger FSM:</b>	

**Main Objective:**

**To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.**

		Score	Yes / No			Result
<b>1</b>	<b>HSE</b>					
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1c	Free of RIRs	5	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1d	Wellsite left clean	4	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total						0%

<b>2</b>	<b>Design / Preparation</b>					
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total						0%

<b>3</b>	<b>Execution</b>					
3a	Lost time < 30 mins	3	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested succesfully	3	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested succesfully	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped per design	3	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total						0%

<b>4</b>	<b>Evaluation</b>					
4a	Main job objective achieved with no consequential non-productive time	10	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total						0%

**Total** 0%

**Comments:** (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

<b>Client:</b>	<b>Schlumberger:</b>
<b>Client Signature:</b>	<b>Schlumberger Signature:</b>