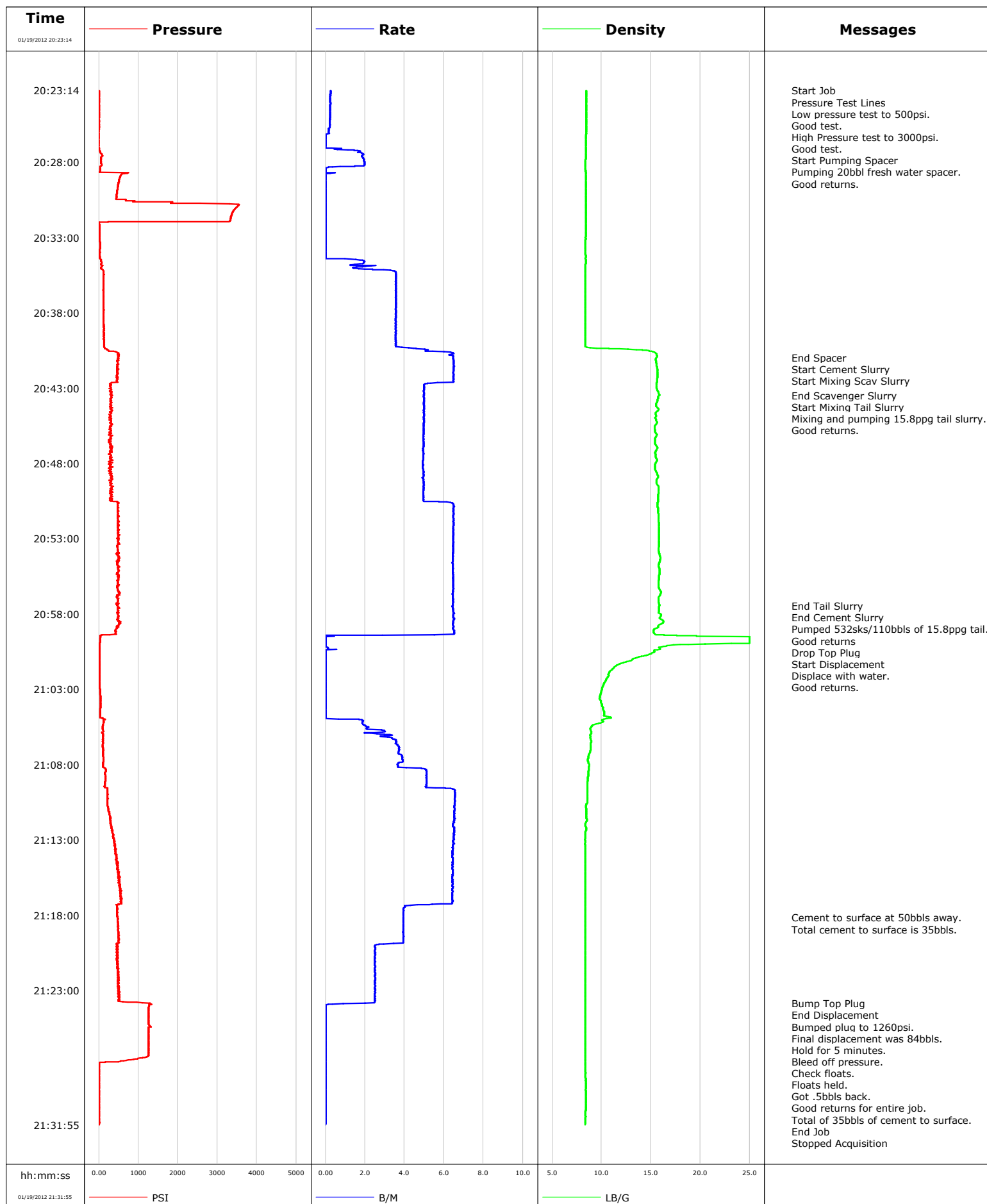


Well	TWIN CREEK 12-6A1	Client	ENCANA
Field	DIVIDE CREEK	SIR No.	C0BA-00069
Engineer	Jeff Patterson/T. Willardson	Job Type	9 5/8" SURFACE
Country	United States	Job Date	01-19-2012





Cementing Service Report

				Customer ENCANA			Job Number C0BA-00069									
Well TWIN CREEK 12-6A1 TWIN CREEK 12-6A1			Location (legal) F12E			Schlumberger Location Grand Junction, Colorado			Job Start Jan/19/2012							
Field DIVIDE CREEK		Formation Name/Type SHALE			Deviation 0 deg		Bit Size 12.3 in		Well MD 1152.0 ft		Well TVD 1152.0 ft					
County GARFIELD		State/Province Colorado			BHP		BHST 100 degF		BHCT 81 degF		Pore Press. Gradient					
Well Master		API/UWI 05-045-20394-00														
Rig Name NABORS M-15		Drilled For Gas		Service Via Land		Casing/Liner										
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread		
						1152.0		9.630		36.0		J55		8RD		
						0.0		0.000		0.0						
Drilling Fluid Type			Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
							Depth,		Size,		Weight,		Grade		Thread	
Service Line Cementing			Job Type 9 5/8" SURFACE													
Max. Allowed Tub. Press 3000 psi			Max. Allowed Ann. Press		WH Connection 9 5/8" CEMENT HEAD		Perforations/Open Hole									
							Top,		Bottom,				No. of Shots		Total Interval	
Service Instructions CEMENT SURFACE CASING WITH. 20BBLS WATER. 532SKS 15.8PPG TAIL. YIELD= 1.16 DISPLACE WITH WATER.															Diameter	
			Treat Down Casing				Displacement 85.4 bbl				Packer Type				Packer Depth	
			Tubing Vol.				Casing Vol. 89.0 bbl				Annular Vol. 67.0 bbl				Openhole Vol. 160.0 bbl	
Casing/Tubing Secured		<input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement		<input checked="" type="checkbox"/>		Casing Tools				Squeeze Job				
Lift Pressure 570 psi								Shoe Type Guide				Squeeze Type				
Pipe Rotated		<input type="checkbox"/>		Pipe Reciprocated		<input type="checkbox"/>		Shoe Depth 1152.0 ft				Tool Type				
No. Centralizers			Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth					
Cement Head Type Single								Stage Tool Depth				Tail Pipe Size				
Job Scheduled For Jan/19/2012			Arrived on Location Jan/19/2012		Leave Location Jan/19/2012		Collar Type Float				Tail Pipe Depth					
							Collar Depth 1105.0 ft				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										
01/01/1970	00:00:00					Started Acquisition										
01/19/2012	19:22:50					Started Acquisition										
01/19/2012	20:23:14	4	0.3	8.46	0.0											
01/19/2012	20:23:15					Start Job										
01/19/2012	20:23:15	4	0.3	8.46	0.0											
01/19/2012	20:23:17					Pressure Test Lines										
01/19/2012	20:23:17	4	0.3	8.46	0.0											
01/19/2012	20:23:18					Low pressure test to 500psi.										
01/19/2012	20:23:18	4	0.3	8.46	0.0											
01/19/2012	20:23:19					Good test.										
01/19/2012	20:23:19					High Pressure test to 3000psi.										
01/19/2012	20:23:19					Good test.										
01/19/2012	20:23:19	4	0.3	8.46	0.0											
01/19/2012	20:23:22					Start Pumping Spacer										
01/19/2012	20:23:22	4	0.3	8.46	0.0											
01/19/2012	20:23:23					Pumping 20bbl fresh water spacer.										
01/19/2012	20:23:23					Good returns.										
01/19/2012	20:23:23	4	0.3	8.46	0.0											
01/19/2012	20:23:30	4	0.3	8.46	0.1											

Well			Field		Job Start	Customer		Job Number
TWIN CREEK 12-6A1 TWIN CREEK 12-6A1			DIVIDE CREEK		Jan/19/2012	ENCANA		COBA-00069
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/19/2012	20:24:30	4	0.2	8.46	0.3			
01/19/2012	20:25:00	1	0.2	8.46	0.4			
01/19/2012	20:25:30	1	0.2	8.46	0.5			
01/19/2012	20:26:00	-0	0.2	8.46	0.6			
01/19/2012	20:26:30	-1	0.0	8.39	0.7			
01/19/2012	20:27:00	-1	0.0	8.39	0.7			
01/19/2012	20:27:30	74	1.9	8.39	1.3			
01/19/2012	20:28:00	60	2.0	8.38	2.2			
01/19/2012	20:28:30	30	0.0	8.38	2.8			
01/19/2012	20:29:00	538	0.0	8.38	2.8			
01/19/2012	20:29:30	490	0.0	8.38	2.8			
01/19/2012	20:30:00	460	0.0	8.38	2.8			
01/19/2012	20:30:30	698	0.0	8.38	2.8			
01/19/2012	20:31:00	3487	0.0	8.38	2.8			
01/19/2012	20:31:30	3363	0.0	8.38	2.8			
01/19/2012	20:32:00	242	0.0	8.38	2.8			
01/19/2012	20:32:30	15	0.0	8.38	2.8			
01/19/2012	20:33:00	14	0.0	8.38	2.8			
01/19/2012	20:33:30	26	0.0	8.38	2.8			
01/19/2012	20:34:00	25	0.0	8.38	2.8			
01/19/2012	20:34:30	54	1.8	8.38	3.0			
01/19/2012	20:35:00	59	1.4	8.38	3.9			
01/19/2012	20:35:30	124	3.6	8.38	5.3			
01/19/2012	20:36:00	114	3.6	8.38	7.1			
01/19/2012	20:36:30	113	3.6	8.38	8.9			
01/19/2012	20:37:00	118	3.6	8.38	10.7			
01/19/2012	20:37:30	118	3.6	8.38	12.5			
01/19/2012	20:38:00	124	3.6	8.38	14.2			
01/19/2012	20:38:30	121	3.5	8.38	16.0			
01/19/2012	20:39:00	125	3.6	8.38	17.8			
01/19/2012	20:39:30	128	3.6	8.38	19.6			
01/19/2012	20:40:00	127	3.6	8.38	21.3			
01/19/2012	20:40:30	224	5.2	14.13	23.3			
01/19/2012	20:40:59					End Spacer		
01/19/2012	20:40:59	487	6.5	15.57	26.3			
01/19/2012	20:41:00	487	6.5	15.57	26.4			
01/19/2012	20:41:01					Start Cement Slurry		
01/19/2012	20:41:01	511	6.5	15.54	26.6			
01/19/2012	20:41:02					Start Mixing Scav Slurry		
01/19/2012	20:41:02	476	6.5	15.51	26.7			
01/19/2012	20:41:30	481	6.5	15.57	29.7			
01/19/2012	20:42:00	476	6.5	15.66	32.9			
01/19/2012	20:42:30	452	6.5	15.62	36.2			
01/19/2012	20:43:00	296	5.0	15.58	38.9			
01/19/2012	20:43:29					End Scavenger Slurry		
01/19/2012	20:43:29	334	5.0	15.84	41.3			
01/19/2012	20:43:30	334	5.0	15.84	41.4			
01/19/2012	20:43:32					Start Mixing Tail Slurry		
01/19/2012	20:43:32	323	5.0	15.78	41.6			
01/19/2012	20:43:39					Mixing and pumping 15.8ppg tail slurry.		
01/19/2012	20:43:39	322	5.0	15.71	42.1			
01/19/2012	20:43:40					Good returns.		
01/19/2012	20:43:40	322	5.0	15.70	42.2			
01/19/2012	20:44:00	304	5.0	15.57	43.9			

Well			Field		Job Start	Customer		Job Number
TWIN CREEK 12-6A1 TWIN CREEK 12-6A1			DIVIDE CREEK		Jan/19/2012	ENCANA		COBA-00069
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/19/2012	20:45:00	262	5.0	15.44	48.9			
01/19/2012	20:45:30	302	5.0	15.42	51.4			
01/19/2012	20:46:00	312	5.0	15.47	53.8			
01/19/2012	20:46:30	252	4.9	15.40	56.3			
01/19/2012	20:47:00	293	4.9	15.66	58.8			
01/19/2012	20:47:30	299	4.9	15.46	61.3			
01/19/2012	20:48:00	266	4.9	15.47	63.7			
01/19/2012	20:48:30	256	4.9	15.48	66.2			
01/19/2012	20:49:00	295	4.9	15.66	68.7			
01/19/2012	20:49:30	311	5.0	15.72	71.2			
01/19/2012	20:50:00	307	4.9	15.74	73.6			
01/19/2012	20:50:30	294	5.0	15.69	76.1			
01/19/2012	20:51:00	482	6.5	15.70	79.2			
01/19/2012	20:51:30	469	6.5	15.76	82.5			
01/19/2012	20:52:00	484	6.5	15.79	85.7			
01/19/2012	20:52:30	485	6.5	15.81	89.0			
01/19/2012	20:53:00	463	6.5	15.82	92.2			
01/19/2012	20:53:30	463	6.5	15.81	95.4			
01/19/2012	20:54:00	517	6.5	15.84	98.7			
01/19/2012	20:54:30	450	6.4	15.89	101.9			
01/19/2012	20:55:00	487	6.5	15.85	105.1			
01/19/2012	20:55:30	526	6.5	15.82	108.3			
01/19/2012	20:56:00	470	6.5	15.74	111.5			
01/19/2012	20:56:30	506	6.4	15.98	114.8			
01/19/2012	20:57:00	467	6.5	15.75	118.0			
01/19/2012	20:57:28					End Tail Slurry		
01/19/2012	20:57:28	472	6.4	15.84	121.0			
01/19/2012	20:57:30					End Cement Slurry		
01/19/2012	20:57:30	476	6.4	15.83	121.2			
01/19/2012	20:57:31					Pumped 532sks/110bbbls of 15.8ppg tail.		
01/19/2012	20:57:31	484	6.4	15.83	121.3			
01/19/2012	20:57:32					Good returns		
01/19/2012	20:57:32	484	6.4	15.83	121.4			
01/19/2012	20:57:37					Drop Top Plug		
01/19/2012	20:57:37	518	6.4	15.82	122.0			
01/19/2012	20:57:38					Start Displacement		
01/19/2012	20:57:38	518	6.4	15.81	122.1			
01/19/2012	20:57:40					Displace with water.		
01/19/2012	20:57:40					Good returns.		
01/19/2012	20:57:40	473	6.5	15.81	122.3			
01/19/2012	20:58:00	466	6.5	15.93	124.4			
01/19/2012	20:58:30	486	6.5	16.24	127.7			
01/19/2012	20:59:00	444	6.5	15.38	130.9			
01/19/2012	20:59:30	32	0.4	19.66	133.6			
01/19/2012	21:00:00	23	0.0	20.48	133.6			
01/19/2012	21:00:30	19	0.0	15.34	133.6			
01/19/2012	21:01:00	18	0.0	13.15	133.6			
01/19/2012	21:01:30	18	0.0	11.39	133.6			
01/19/2012	21:02:00	17	0.0	10.70	133.6			
01/19/2012	21:02:30	17	0.0	10.36	133.6			
01/19/2012	21:03:00	31	0.0	10.03	133.6			
01/19/2012	21:03:30	43	0.0	9.83	133.6			
01/19/2012	21:04:00	46	0.0	10.02	133.6			
01/19/2012	21:04:30	31	0.0	10.27	133.6			

Well TWIN CREEK 12-6A1 TWIN CREEK 12-6A1			Field DIVIDE CREEK		Job Start Jan/19/2012	Customer ENCANA	Job Number COBA-00069
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/19/2012	21:05:30	99	2.1	8.97	134.6		
01/19/2012	21:06:00	107	3.0	8.92	135.9		
01/19/2012	21:06:30	102	3.6	8.93	137.5		
01/19/2012	21:07:00	111	3.7	8.88	139.4		
01/19/2012	21:07:30	113	3.9	8.66	141.2		
01/19/2012	21:08:00	105	3.6	8.74	143.1		
01/19/2012	21:08:30	160	5.1	8.66	145.4		
01/19/2012	21:09:00	168	5.1	8.60	147.9		
01/19/2012	21:09:30	153	5.1	8.56	150.5		
01/19/2012	21:10:00	220	6.6	8.55	153.6		
01/19/2012	21:10:30	219	6.5	8.55	156.9		
01/19/2012	21:11:00	244	6.5	8.46	160.2		
01/19/2012	21:11:30	295	6.5	8.46	163.4		
01/19/2012	21:12:00	299	6.4	8.37	166.7		
01/19/2012	21:12:30	339	6.5	8.35	169.9		
01/19/2012	21:13:00	390	6.5	8.33	173.2		
01/19/2012	21:14:00	451	6.4	8.38	179.6		
01/19/2012	21:14:30	443	6.4	8.38	182.8		
01/19/2012	21:15:00	493	6.4	8.38	186.0		
01/19/2012	21:15:30	528	6.4	8.38	189.3		
01/19/2012	21:16:00	511	6.4	8.37	192.5		
01/19/2012	21:16:30	542	6.4	8.38	195.7		
01/19/2012	21:17:00	552	6.4	8.38	198.9		
01/19/2012	21:17:30	459	4.0	8.36	201.6		
01/19/2012	21:18:00	470	3.9	8.38	203.6		
01/19/2012	21:18:09					Cement to surface at 50bbls away.	
01/19/2012	21:18:09					Total cement to surface is 35bbls.	
01/19/2012	21:18:09	480	3.9	8.38	204.2		
01/19/2012	21:18:30	485	3.9	8.38	205.6		
01/19/2012	21:19:00	488	3.9	8.37	207.5		
01/19/2012	21:19:30	509	3.9	8.38	209.5		
01/19/2012	21:20:00	458	2.5	8.38	211.3		
01/19/2012	21:20:30	453	2.5	8.38	212.6		
01/19/2012	21:21:00	445	2.5	8.38	213.8		
01/19/2012	21:21:30	486	2.5	8.38	215.1		
01/19/2012	21:22:00	500	2.5	8.38	216.3		
01/19/2012	21:22:30	485	2.5	8.37	217.6		
01/19/2012	21:23:00	495	2.5	8.37	218.8		
01/19/2012	21:23:30	528	2.5	8.38	220.1		
01/19/2012	21:23:51					Bump Top Plug	
01/19/2012	21:23:51					End Displacement	
01/19/2012	21:23:51	1294	2.0	8.38	221.0		
01/19/2012	21:23:52					Bumped plug to 1260psi.	
01/19/2012	21:23:52	1294	2.0	8.38	221.0		
01/19/2012	21:23:53					Final displacement was 84bbls.	
01/19/2012	21:23:53					Hold for 5 minutes.	
01/19/2012	21:23:53					Bleed off pressure.	
01/19/2012	21:23:53					Check floats.	
01/19/2012	21:23:53					Floats held.	
01/19/2012	21:23:53	1262	0.9	8.38	221.0		
01/19/2012	21:23:54					Got .5bbls back.	
01/19/2012	21:23:54					Good returns for entire job.	
01/19/2012	21:23:54					Total of 35bbls of cement to surface.	
01/19/2012	21:23:54	1263	0.9	8.38	221.0		

Well			Field		Job Start	Customer		Job Number
TWIN CREEK 12-6A1 TWIN CREEK 12-6A1			DIVIDE CREEK		Jan/19/2012	ENCANA		COBA-00069
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/19/2012	21:24:30	1258	0.0	8.38	221.0			
01/19/2012	21:25:00	1257	0.0	8.38	221.0			
01/19/2012	21:25:30	1256	0.0	8.38	221.0			
01/19/2012	21:26:00	1255	0.0	8.38	221.0			
01/19/2012	21:26:30	1255	0.0	8.38	221.0			
01/19/2012	21:27:00	1255	0.0	8.38	221.0			
01/19/2012	21:27:30	1047	0.0	8.38	221.0			
01/19/2012	21:28:00	9	0.0	8.38	221.0			
01/19/2012	21:28:30	9	0.0	8.38	221.0			
01/19/2012	21:29:00	9	0.0	8.38	221.0			
01/19/2012	21:29:30	9	0.0	8.38	221.0			
01/19/2012	21:30:00	8	0.0	8.38	221.0			
01/19/2012	21:30:30	8	0.0	8.38	221.0			
01/19/2012	21:31:00	8	0.0	8.38	221.0			
01/19/2012	21:31:30	8	0.0	8.38	221.0			
01/19/2012	21:31:31					End Job		
01/19/2012	21:31:31	8	0.0	8.38	221.0			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.5	N2	Mud	Maximum Rate 8.0		Total Slurry 110.0	Mud	Spacer 20.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3000	Final 1260	Average 300	Bump Plug to 1260	Breakdown	Type		Volume	Density
Avg. N2 Percent		Designed Slurry Volume 110.0 bbl		Displacement 85.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 35.0 bbl
						Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative ROBERT TATE				Schlumberger Supervisor Jeff Patterson/T. Willardson			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
						-		-



Service Order #:	
Date:	Jan/19/2012
Operating Time:	0.0
Client Rep:	ENCANA
Schlumberger Engineer:	Jeff Patterson/T. Willardson
Schlumberger FSM:	

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

4	Evaluation					
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%

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

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: