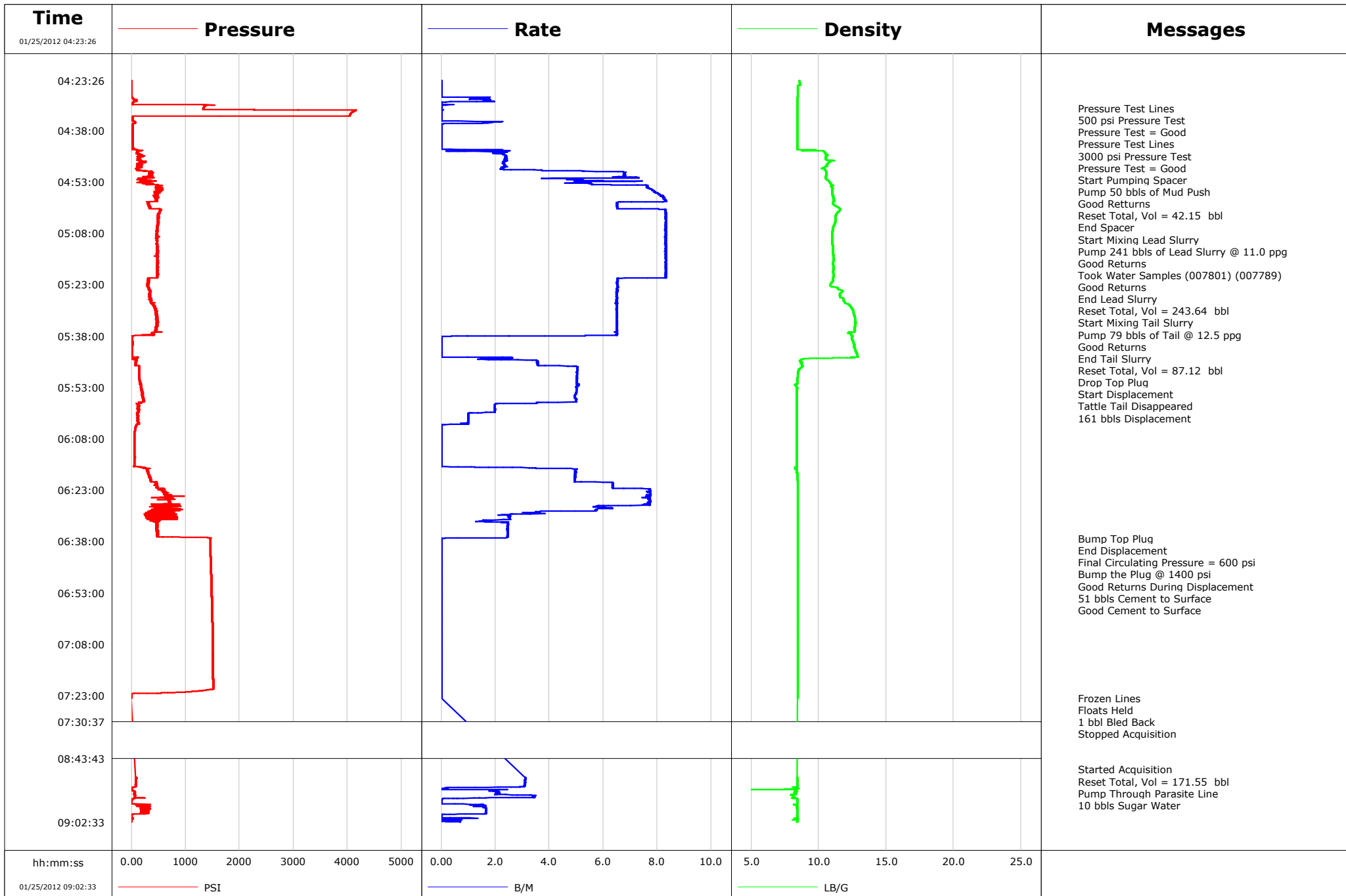


Well DW 8608D-28
Field Double Willow
Engineer Ryan Bowditch
Country United States

Client EnCana
SIR No. BQMF-00615
Job Type 9 5/8" Surface
Job Date 01-25-2012



					Customer		Job Number		
					EnCana		BQMF-00615		
Well			Location (legal)		Schlumberger Location			Job Start	
DW 8608D-28					Grand Junction, CO			Jan/25/2012	
Field		Formation Name/Type		Deviation	Bit Size		Well MD	Well TVD	
Double Willow		Shale		10 deg	14.8 in		2136.0 ft	ft	
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
Garfield		Colorado		psi	110 degF	91 degF	lb/gal		
Well Master		API/UWI							
Rig Name	Drilled For		Service Via	Casing/Liner					
Patterson 308	Gas		Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone		Well Class	Well Type	120.0	16.0	65.0			
		New	Development	2136.0	9.6	36.0	K55	8RD	
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type								
Cementing	9 5/8" Surface								
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection	Perforations/Open Hole					
3000 psi	1500 psi		Single Cement head	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
Service Instructions Cement 9 5/8" Surface Casing with: 50 bbls 10.0 ppg MudPush II 241 bbls 11.0 ppg Lead Slurry (471 sks @ 2.87 cft/sk) 79 bbls 12.5 ppg Tail Slurry (246 sks @ 1.81 cft/sk) 161 bbls Water Displacement				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
				Treat Down		Displacement	Packer Type	Packer Depth	
				Casing		161.4 bbl		ft	
				Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.		
				bbl	165.1 bbl	261.0 bbl	428.0 bbl		
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement	Casing Tools						Squeeze Job
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							
Lift Pressure		Pipe Rotated		Shoe Type	Shoe Depth		Squeeze Type		
600 psi		<input type="checkbox"/> Pipe Reciprocated <input type="checkbox"/>		Float	2136.0 ft				
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type			Tool Depth		
18		1					ft		
Cement Head Type			Stage Tool Depth	Stage Tool Type		Tail Pipe Size			
Single			ft			in			
Job Scheduled For		Arrived on Location	Leave Location	Collar Type		Tail Pipe Depth			
Jan/25/2012		Jan/25/2012	Jan/25/2012	Float		ft			
				Collar Depth		Sqz. Total Vol.			
				2088.0 ft		bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
01/25/2012	04:23:26	-2	0.0	8.57	28.1	0	Started Acquisition		
01/25/2012	04:25:06	-6	0.0	8.45	28.1	0			
01/25/2012	04:26:46	-7	0.0	8.44	0.0	0			
01/25/2012	04:28:26	6	1.5	8.43	0.3	0			
01/25/2012	04:30:06	17	0.0	8.42	2.2	0			
01/25/2012	04:31:26	1331	0.0	8.42	2.2	0	Pressure Test Lines		
01/25/2012	04:31:27	1330	0.0	8.42	2.2	0	500 psi Pressure Test		
01/25/2012	04:31:28	1330	0.0	8.42	2.2	0	Pressure Test = Good		
01/25/2012	04:31:46	1334	0.0	8.42	2.2	0			
01/25/2012	04:32:29	4102	0.0	8.42	2.2	0	Pressure Test Lines		
01/25/2012	04:32:30	4102	0.0	8.42	2.2	0	3000 psi Pressure Test		
01/25/2012	04:32:31	4099	0.0	8.42	2.2	0	Pressure Test = Good		
01/25/2012	04:33:26	4044	0.0	8.42	2.2	0			
01/25/2012	04:34:23	15	0.0	8.42	2.2	0	Start Pumping Spacer		
01/25/2012	04:34:24	15	0.0	8.42	2.2	0	Pump 50 bbls of Mud Push		
01/25/2012	04:35:06	12	0.0	8.42	2.2	0			
01/25/2012	04:36:46	16	0.0	8.42	3.4	0			
01/25/2012	04:38:26	13	0.0	8.42	3.4	0			
01/25/2012	04:40:06	11	0.0	8.42	3.4	0			
01/25/2012	04:41:46	14	0.0	8.42	3.4	0			
01/25/2012	04:43:26	11	0.0	8.40	3.4	0			

Well			Field		Job Start	Customer		Job Number
DW 8608D-28			Double Willow		Jan/25/2012	EnCana		BQMF-00615
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
01/25/2012	04:46:46	157	2.4	11.08	10.3	13		
01/25/2012	04:48:26	100	2.3	10.62	14.1	1		
01/25/2012	04:50:06	377	6.7	10.55	19.4	21		
01/25/2012	04:51:46	372	7.3	10.52	30.8	30		
01/25/2012	04:53:26	296	5.4	10.85	39.8	26		
01/25/2012	04:53:50	476	5.6	10.93	42.1	27	Reset Total, Vol = 42.15 bbl	
01/25/2012	04:53:51	476	5.6	10.94	42.2	27	End Spacer	
01/25/2012	04:53:56	484	7.3	10.98	42.7	27	Start Mixing Lead Slurry	
01/25/2012	04:53:58	458	7.6	11.00	42.9	27	Pump 241 bbls of Lead Slurry @ 11.0 ppg	
01/25/2012	04:55:06	502	7.8	11.00	51.6	31		
01/25/2012	04:56:46	435	8.1	10.99	64.8	32		
01/25/2012	04:58:26	460	8.3	11.11	78.4	33		
01/25/2012	05:00:06	314	6.5	11.27	90.1	35		
01/25/2012	05:01:46	510	8.3	11.46	102.4	36		
01/25/2012	05:03:26	489	8.3	11.23	116.2	34		
01/25/2012	05:05:06	479	8.3	11.19	130.1	33		
01/25/2012	05:06:46	482	8.3	11.04	143.9	32		
01/25/2012	05:07:29	481	8.3	11.00	149.9	31	Took Water Samples (007801) (007789)	
01/25/2012	05:08:26	478	8.3	10.98	157.8	31		
01/25/2012	05:10:06	483	8.3	10.98	171.6	31		
01/25/2012	05:13:26	488	8.3	11.05	199.3	32		
01/25/2012	05:15:06	474	8.3	11.08	213.1	32		
01/25/2012	05:15:49	476	8.3	11.08	219.1	32	Good Returns	
01/25/2012	05:16:46	474	8.3	11.07	227.0	32		
01/25/2012	05:18:26	479	8.3	11.08	240.8	33		
01/25/2012	05:21:46	310	6.5	11.06	267.3	33		
01/25/2012	05:23:26	287	6.5	10.88	278.2	32		
01/25/2012	05:23:51	317	6.5	11.33	280.9	34	End Lead Slurry	
01/25/2012	05:24:35	332	6.5	11.61	285.7	38	Reset Total, Vol = 243.64 bbl	
01/25/2012	05:25:06	346	6.5	11.73	289.1	39		
01/25/2012	05:26:46	343	6.5	11.61	299.9	39		
01/25/2012	05:27:43	368	6.5	11.83	306.0	41	Start Mixing Tail Slurry	
01/25/2012	05:28:01	365	6.5	11.88	308.0	41	Pump 79 bbls of Tail @ 12.5 ppg	
01/25/2012	05:28:02	350	6.5	11.88	308.1	41	Good Returns	
01/25/2012	05:28:26	372	6.5	11.95	310.7	42		
01/25/2012	05:30:06	439	6.5	12.48	321.5	46		
01/25/2012	05:31:46	477	6.5	12.61	332.3	48		
01/25/2012	05:33:26	474	6.5	12.71	343.2	48		
01/25/2012	05:35:06	480	6.5	12.71	354.0	48		
01/25/2012	05:35:55	468	6.5	12.66	359.3	48	End Tail Slurry	
01/25/2012	05:36:46	450	6.5	12.66	364.8	48		
01/25/2012	05:38:07	6	0.4	12.49	372.9	69	Reset Total, Vol = 87.12 bbl	
01/25/2012	05:38:12	5	0.0	12.49	372.9	0	Drop Top Plug	
01/25/2012	05:38:13	5	0.0	12.49	372.9	0	Start Displacement	
01/25/2012	05:38:26	5	0.0	12.47	372.9	0		
01/25/2012	05:40:06	12	0.0	12.58	372.9	0		
01/25/2012	05:41:46	3	0.0	12.67	372.9	0		
01/25/2012	05:43:26	3	0.0	12.83	372.9	0		
01/25/2012	05:44:50	30	1.4	8.79	374.3	37	Tattle Tail Disappeared	
01/25/2012	05:45:06	98	3.4	8.65	374.8	37		
01/25/2012	05:46:46	91	3.8	8.76	380.7	30		
01/25/2012	05:48:26	132	5.0	8.46	389.0	8		
01/25/2012	05:50:06	145	5.0	8.43	397.4	7		
01/25/2012	05:51:46	154	5.0	8.42	405.7	9		

Well			Field		Job Start	Customer		Job Number
DW 8608D-28			Double Willow		Jan/25/2012	EnCana		BQMF-00615
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
01/25/2012	05:55:06	189	5.0	8.39	422.4	4		
01/25/2012	05:56:46	212	5.0	8.38	430.7	5		
01/25/2012	05:58:26	130	2.0	8.38	436.5	3		
01/25/2012	06:00:06	123	2.0	8.38	439.8	2		
01/25/2012	06:01:46	115	1.0	8.37	441.8	3		
01/25/2012	06:03:26	113	1.0	8.37	443.5	3		
01/25/2012	06:05:06	68	0.0	8.38	443.9	3		
01/25/2012	06:06:46	50	0.0	8.38	443.9	3		
01/25/2012	06:08:26	49	0.0	8.38	443.9	3		
01/25/2012	06:10:06	49	0.0	8.37	443.9	3		
01/25/2012	06:11:46	49	0.0	8.37	443.9	3		
01/25/2012	06:13:26	60	0.0	8.37	443.9	3		
01/25/2012	06:15:06	48	0.0	8.36	443.9	3		
01/25/2012	06:16:46	286	4.7	8.36	445.2	3		
01/25/2012	06:18:26	309	5.0	8.42	453.4	0		
01/25/2012	06:20:06	367	4.9	8.42	461.7	0		
01/25/2012	06:21:46	485	6.3	8.44	471.3	0		
01/25/2012	06:23:26	578	7.7	8.44	483.1	0		
01/25/2012	06:25:06	649	7.7	8.44	495.9	0		
01/25/2012	06:26:46	714	7.7	8.44	508.8	0		
01/25/2012	06:28:26	625	6.3	8.44	520.1	0		
01/25/2012	06:30:06	329	2.7	8.44	527.7	0		
01/25/2012	06:31:46	460	2.0	8.44	531.9	0		
01/25/2012	06:33:26	482	2.5	8.44	535.5	0		
01/25/2012	06:35:06	469	2.5	8.44	539.6	0		
01/25/2012	06:36:46	673	2.4	8.44	543.7	0		
01/25/2012	06:37:09	1464	0.0	8.45	544.4	0	Bump Top Plug	
01/25/2012	06:37:10	1453	0.0	8.45	544.4	0	End Displacement	
01/25/2012	06:37:11	1463	0.0	8.45	544.4	0	Final Circulating Pressure = 600 psi	
01/25/2012	06:38:14	1456	0.0	8.44	544.4	0	51 bbls Cement to Surface	
01/25/2012	06:38:26	1458	0.0	8.45	544.4	0		
01/25/2012	06:38:33	1457	0.0	8.44	544.4	0	Good Cement to Surface	
01/25/2012	06:40:06	1459	0.0	8.45	544.4	0		
01/25/2012	06:41:46	1463	0.0	8.45	544.4	0		
01/25/2012	06:43:26	1466	0.0	8.45	544.4	0		
01/25/2012	06:45:06	1469	0.0	8.45	544.4	0		
01/25/2012	06:46:46	1472	0.0	8.45	544.4	0		
01/25/2012	06:48:26	1474	0.0	8.45	544.4	0		
01/25/2012	06:50:06	1477	0.0	8.45	544.4	0		
01/25/2012	06:51:46	1479	0.0	8.45	544.4	0		
01/25/2012	06:53:26	1482	0.0	8.45	544.4	0		
01/25/2012	06:55:06	1483	0.0	8.45	544.4	0		
01/25/2012	06:56:46	1486	0.0	8.45	544.4	0		
01/25/2012	06:58:26	1488	0.0	8.45	544.4	0		
01/25/2012	07:00:06	1490	0.0	8.45	544.4	0		
01/25/2012	07:01:46	1492	0.0	8.45	544.4	0		
01/25/2012	07:03:26	1494	0.0	8.45	544.4	0		
01/25/2012	07:05:06	1496	0.0	8.45	544.4	0		
01/25/2012	07:06:46	1498	0.0	8.45	544.4	0		
01/25/2012	07:08:26	1499	0.0	8.44	544.4	0		
01/25/2012	07:10:06	1501	0.0	8.44	544.4	0		
01/25/2012	07:11:46	1503	0.0	8.44	544.4	0		
01/25/2012	07:13:26	1505	0.0	8.44	544.4	0		
01/25/2012	07:15:06	1507	0.0	8.44	544.4	0		

Well			Field		Job Start	Customer		Job Number
DW 8608D-28			Double Willow		Jan/25/2012	EnCana		BQMF-00615
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
01/25/2012	07:18:26	1510	0.0	8.44	544.4	0		
01/25/2012	07:20:06	1513	0.0	8.44	544.4	0		
01/25/2012	07:21:46	1242	0.0	8.44	544.4	0		
01/25/2012	07:23:26	-2	0.0	8.44	544.4	0		
01/25/2012	07:23:48	-2	0.0	8.44	544.4	0	Frozen Lines	
01/25/2012	07:23:49	-2	0.0	8.44	544.4	0	Floats Held	
01/25/2012	08:49:27	85	3.1	8.40	688.9	1	Reset Total, Vol = 171.55 bbl	
01/25/2012	08:49:28	89	3.1	8.40	688.9	1	Pump Through Parasite Line	
01/25/2012	08:50:06	81	3.1	8.40	690.9	17		
01/25/2012	08:51:46	76	3.1	8.40	696.0	24		
01/25/2012	08:53:26	37	1.9	8.35	698.8	0		
01/25/2012	08:55:06	56	3.4	8.17	703.0	0		
01/25/2012	08:56:46	-4	0.0	8.40	704.2	0		
01/25/2012	08:58:26	165	1.7	8.39	706.0	0		
01/25/2012	09:00:06	233	1.6	8.40	708.7	0		

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.1			8.3	320.0	0.0	50.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
4157	-4	607	1400			bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	
%	320.0 bbl		161.0 bbl	60 degF	<input checked="" type="checkbox"/>	51.0 bbl	
					Washed Thru Perfs	To	
					<input type="checkbox"/>	ft	
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed
Nathan Curley			Ryan Bowditch			<input type="checkbox"/>	<input checked="" type="checkbox"/>
						-	-