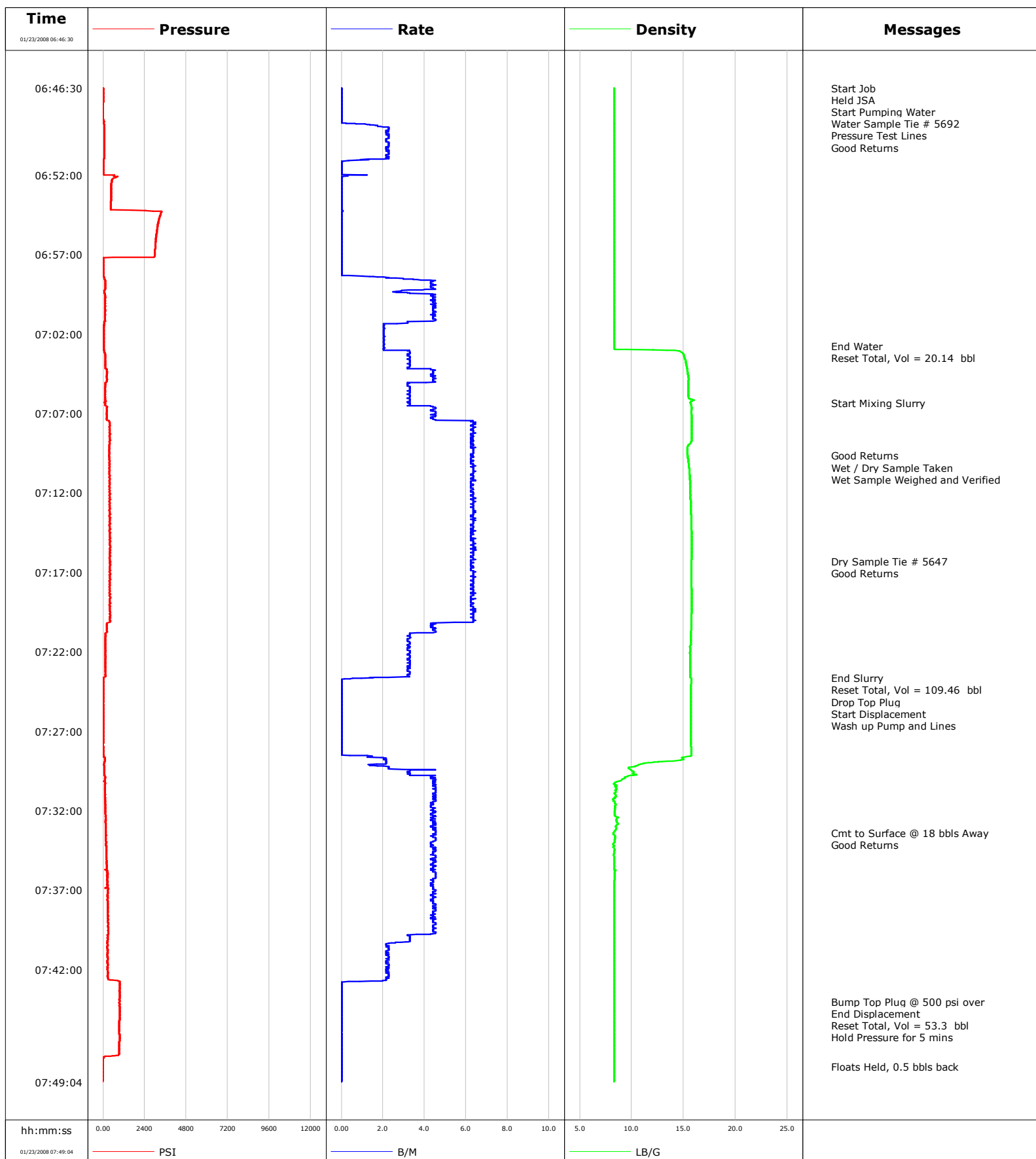


Well Windsor LV A-14H
Field Wattenberg
Engineer Ryan Drilling / Stacy Terry
Country United States

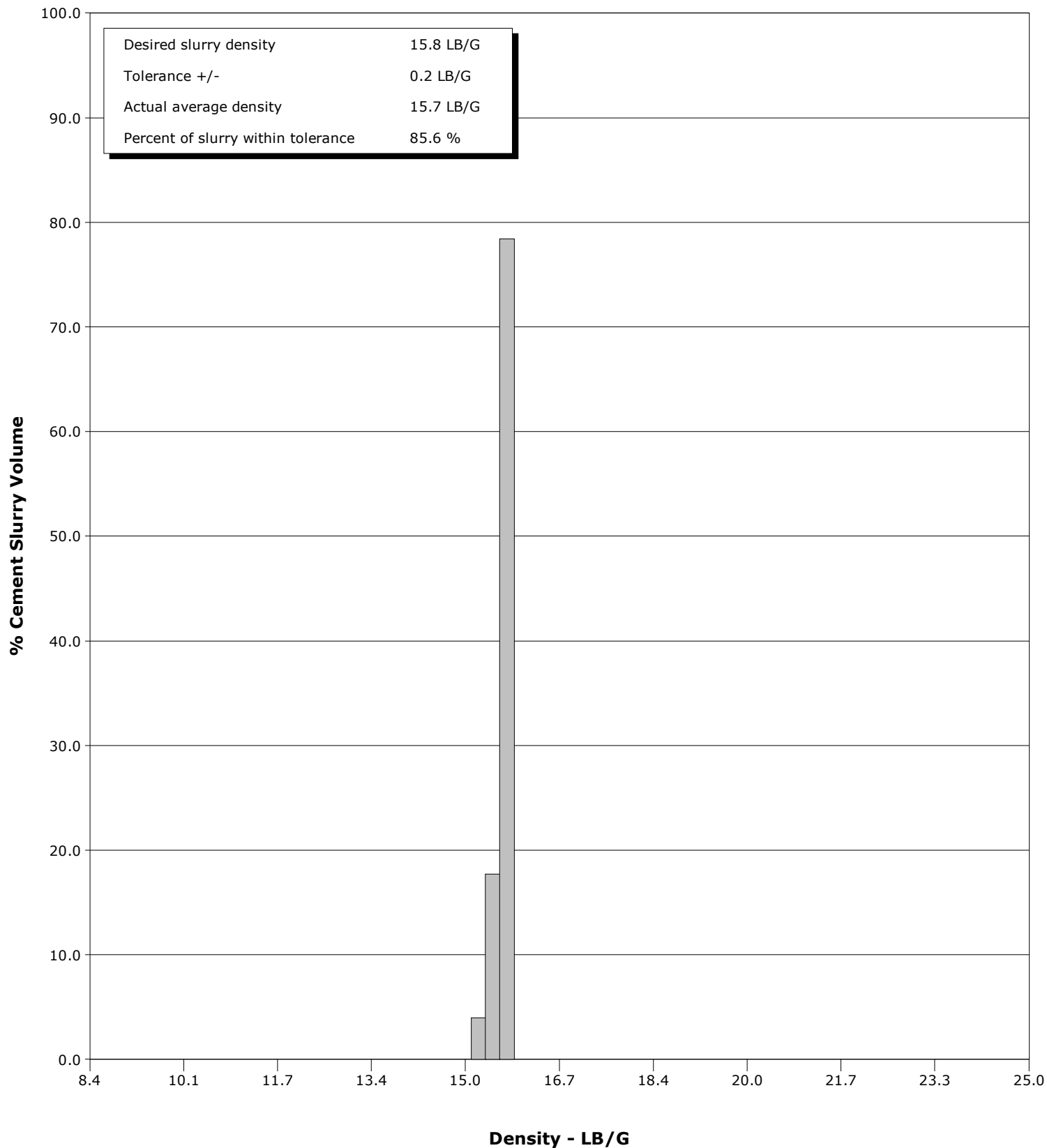
Client Extraction Oil Gas
SIR No. CWJN-00655
Job Type Surface
Job Date 12-22-2014



Well Windsor LV A-14H
Field Wattenberg
Engineer Ryan Drilling / Stacy Terry
Country United States

Client Extraction Oil Gas
SIR No. CWJN-00655
Job Type Surface
Job Date 12-22-2014

Cement Slurry - 01/23/2008 07:06:22 to 01/23/2008 07:23:45



Cementing Service Report

					Customer Extraction Oil & Gas			Job Number CWJN-00655	
Well Windsor LV A-14H Windsor LV A-14H			Location (legal) Cheyenne			Schlumberger Location Rock Springs		Job Start Dec/22/2014	
Field Wattenberg		Formation Name/Type			Deviation 0 deg	Bit Size 13.5 in	Well MD 733.0 ft		Well TVD 733.0 ft
County Weld		State/Province Colorado			BHP psi	BHST 88 degF	BHCT 80 degF	Pore Press. Gradient lb/gal	
Well Master 0631610085		API/UWI							
Rig Name H&P 319	Drilled For Oil		Service Via Land		Casing/Liner				
					Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class New		Well Type Development		731.0	9.6	36.0	J-55	8RD
					0.0	0.0	0.0		
Drilling Fluid Type Water		Max. Density 8.34 lb/gal	Plastic Viscosity 1.000 cP		Tubing/Drill Pipe				
					T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
Service Line Cementing	Job Type Surface								
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole				
					Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft
Service Instructions Set 9 5/8" surface casing in a 13.5" hole to 700 feet using Class G cement plus additives thank you.					ft	ft			
					ft	ft			Diameter in
					ft	ft			
					Treat Down Casing		Displacement 53.3 bbl		Packer Type
Tubing Vol. bbl		Casing Vol. 56.5 bbl		Annular Vol. 66.0 bbl		Openhole Vol. 66.0 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 psi				Shoe Type Guide			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 731.0 ft			Tool Type		
No. Centralizers 8		Top Plugs 1	Bottom Plugs 0	Stage Tool Type			Tool Depth ft		
Cement Head Type Single				Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Dec/22/2014 19:00		Arrived on Location Dec/22/2014 04:00		Leave Location Dec/22/2014 21:30		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 688.8 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
01/23/2008	06:46:30	9	0.0	8.32	30.8	0	Started Acquisition		
01/23/2008	06:46:31	8	0.0	8.32	30.8	0	Start Job		
01/23/2008	06:46:32	9	0.0	8.32	30.8	0	Held JSA		
01/23/2008	06:46:37	7	0.0	8.32	30.8	0	Start Pumping Water		
01/23/2008	06:46:38	7	0.0	8.32	30.8	0	Water Sample Tie # 5692		
01/23/2008	06:46:41	6	0.0	8.32	30.8	0	Pressure Test Lines		
01/23/2008	06:47:30	-2	0.0	8.32	0.0	0			
01/23/2008	06:48:30	7	0.0	8.32	0.0	0			
01/23/2008	06:49:30	68	2.3	8.31	1.5	0			
01/23/2008	06:50:00	63	2.3	8.31	2.6	0	Good Returns		
01/23/2008	06:50:30	61	2.3	8.31	3.7	0			
01/23/2008	06:51:30	15	0.0	8.31	4.9	0			
01/23/2008	06:52:30	487	0.0	8.31	5.0	0			
01/23/2008	06:53:30	461	0.0	8.31	5.0	0			
01/23/2008	06:54:30	3315	0.0	8.31	5.0	0			
01/23/2008	06:55:30	3110	0.0	8.31	5.0	0			
01/23/2008	06:56:30	3012	0.0	8.31	5.0	0			
01/23/2008	06:57:30	5	0.0	8.31	5.0	0			
01/23/2008	06:58:30	74	2.6	8.31	5.2	0			
01/23/2008	06:59:30	111	4.3	8.31	9.1	0			
01/23/2008	07:00:30	116	4.4	8.31	13.6	0			

Well			Field		Job Start		Customer		Job Number
Windsor LV A-14H Windsor LV A-14H			Wattenberg		Dec/22/2014		Extraction Oil & Gas		CWJN-00655
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
01/23/2008	07:02:30	50	2.0	8.30	19.6	0			
01/23/2008	07:02:45	52	2.0	8.31	20.1	0	End Water		
01/23/2008	07:02:46	48	2.0	8.31	20.1	0	Reset Total, Vol = 20.14 bbl		
01/23/2008	07:03:30	148	3.3	15.09	22.1	28			
01/23/2008	07:04:30	235	4.4	15.43	25.7	34			
01/23/2008	07:05:30	125	3.3	15.44	29.7	36			
01/23/2008	07:06:21	107	3.2	15.66	32.4	35	Start Mixing Slurry		
01/23/2008	07:06:30	152	3.3	15.73	32.9	34			
01/23/2008	07:07:30	365	6.2	15.78	37.4	33			
01/23/2008	07:08:30	392	6.4	15.79	43.7	35			
01/23/2008	07:09:30	353	6.4	15.36	50.0	35			
01/23/2008	07:09:39	342	6.2	15.38	51.0	36	Good Returns		
01/23/2008	07:09:59	383	6.4	15.45	53.1	37	Wet / Dry Sample Taken		
01/23/2008	07:10:16	359	6.4	15.50	54.9	37	Wet Sample Weighed and Verified		
01/23/2008	07:10:30	352	6.4	15.54	56.3	38			
01/23/2008	07:11:30	393	6.4	15.62	62.7	39			
01/23/2008	07:12:30	366	6.4	15.67	69.0	38			
01/23/2008	07:13:30	379	6.2	15.72	75.3	39			
01/23/2008	07:14:30	414	6.2	15.77	81.6	40			
01/23/2008	07:15:30	373	6.5	15.77	88.0	40			
01/23/2008	07:16:18	385	6.2	15.76	93.0	40	Dry Sample Tie # 5647		
01/23/2008	07:16:21	397	6.2	15.76	93.3	40	Good Returns		
01/23/2008	07:16:30	414	6.2	15.76	94.3	40			
01/23/2008	07:17:30	414	6.4	15.76	100.6	40			
01/23/2008	07:18:30	379	6.2	15.78	106.9	41			
01/23/2008	07:19:30	419	6.5	15.78	113.2	41			
01/23/2008	07:20:30	219	4.5	15.72	118.9	41			
01/23/2008	07:21:30	133	3.3	15.71	122.6	41			
01/23/2008	07:22:30	125	3.2	15.65	125.8	44			
01/23/2008	07:23:30	127	3.2	15.66	129.1	70			
01/23/2008	07:23:39	12	1.5	15.70	129.5	73	End Slurry		
01/23/2008	07:23:45	15	0.0	15.74	129.6	0	Reset Total, Vol = 109.46 bbl		
01/23/2008	07:23:48	15	0.0	15.74	129.6	0	Drop Top Plug		
01/23/2008	07:23:49	15	0.0	15.74	129.6	0	Start Displacement		
01/23/2008	07:23:50	14	0.0	15.73	129.6	0	Wash up Pump and Lines		
01/23/2008	07:24:30	12	0.0	15.69	129.6	0			
01/23/2008	07:25:30	7	0.0	15.69	129.6	0			
01/23/2008	07:26:30	3	0.0	15.69	129.6	0			
01/23/2008	07:27:30	4	0.0	15.70	129.6	0			
01/23/2008	07:28:30	3	0.0	15.72	129.6	25			
01/23/2008	07:29:30	78	3.3	10.04	131.6	9			
01/23/2008	07:30:30	103	4.5	8.53	135.7	10			
01/23/2008	07:31:30	123	4.3	8.39	140.2	17			
01/23/2008	07:32:30	154	4.4	8.60	144.6	9			
01/23/2008	07:33:25	161	4.5	8.23	148.7	5	Cmt to Surface @ 18 bbls Away		
01/23/2008	07:33:30	161	4.5	8.25	149.1	5			
01/23/2008	07:33:36	163	4.3	8.41	149.5	5	Good Returns		
01/23/2008	07:34:30	187	4.5	8.34	153.5	0			
01/23/2008	07:35:30	212	4.5	8.32	158.0	63			
01/23/2008	07:36:30	262	4.4	8.32	162.4	0			
01/23/2008	07:37:30	260	4.4	8.30	166.8	0			
01/23/2008	07:38:30	279	4.4	8.30	171.3	0			
01/23/2008	07:39:30	300	4.4	8.31	175.7	0			
01/23/2008	07:40:30	242	2.3	8.30	179.2	0			

Well			Field		Job Start	Customer		Job Number
Windsor LV A-14H Windsor LV A-14H			Wattenberg		Dec/22/2014	Extraction Oil & Gas		CWJN-00655
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
01/23/2008	07:42:30	273	2.2	8.30	183.6	0		
01/23/2008	07:43:30	948	0.0	8.31	184.2	0		
01/23/2008	07:44:00	944	0.0	8.31	184.2	0	Bump Top Plug @ 500 psi over	
01/23/2008	07:44:03	943	0.0	8.31	184.2	0	End Displacement	
01/23/2008	07:44:04	942	0.0	8.31	184.2	0	Reset Total, Vol = 53.3 bbl	
01/23/2008	07:44:30	950	0.0	8.31	184.2	0		
01/23/2008	07:44:53	943	0.0	8.31	184.2	0	Hold Pressure for 5 mins	
01/23/2008	07:45:30	940	0.0	8.31	184.2	0		
01/23/2008	07:46:30	943	0.0	8.31	184.2	0		
01/23/2008	07:47:30	13	0.0	8.31	184.2	0		
01/23/2008	07:48:05	-6	0.0	8.31	184.2	0	Floats Held, 0.5 bbls back	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.3	N2	Mud	Maximum Rate 6.5		Total Slurry 109.0	Mud 0.0	Spacer 0.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 3390	Final -8	Average 407	Bump Plug to 800	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 93.0 bbl	Displacement 53.3 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface?		<input checked="" type="checkbox"/>	Volume	35.0 bbl				
				Washed Thru Perfs		<input type="checkbox"/>	To	ft				
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>				
Tory Shafer			Ryan Drilling / Stacy Terry			-	-					