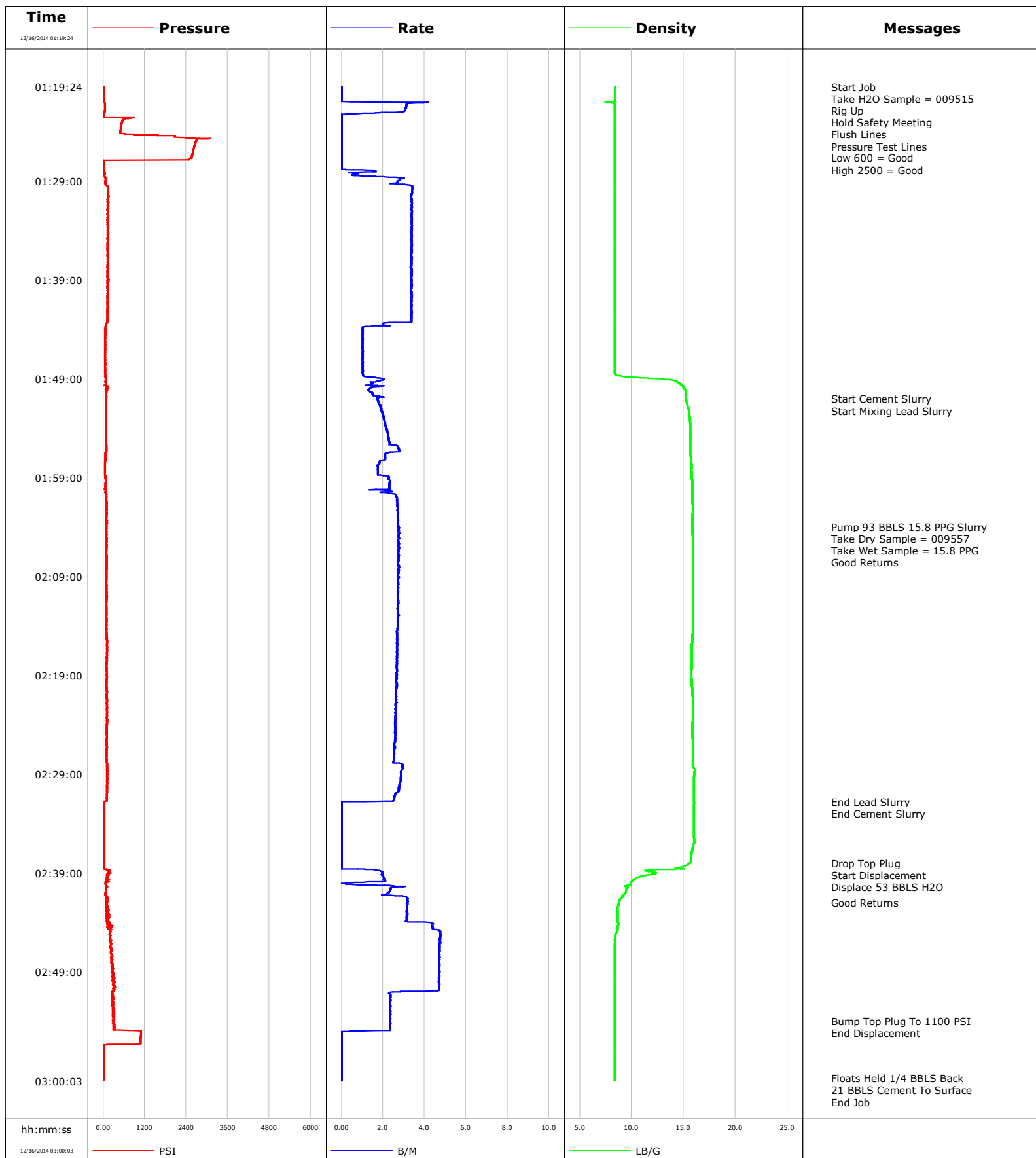


**Well** Windsor LV B-14H  
**Field** Wattenburg  
**Engineer** Conley Jensen/Lyle Hartsfield  
**Country** United States

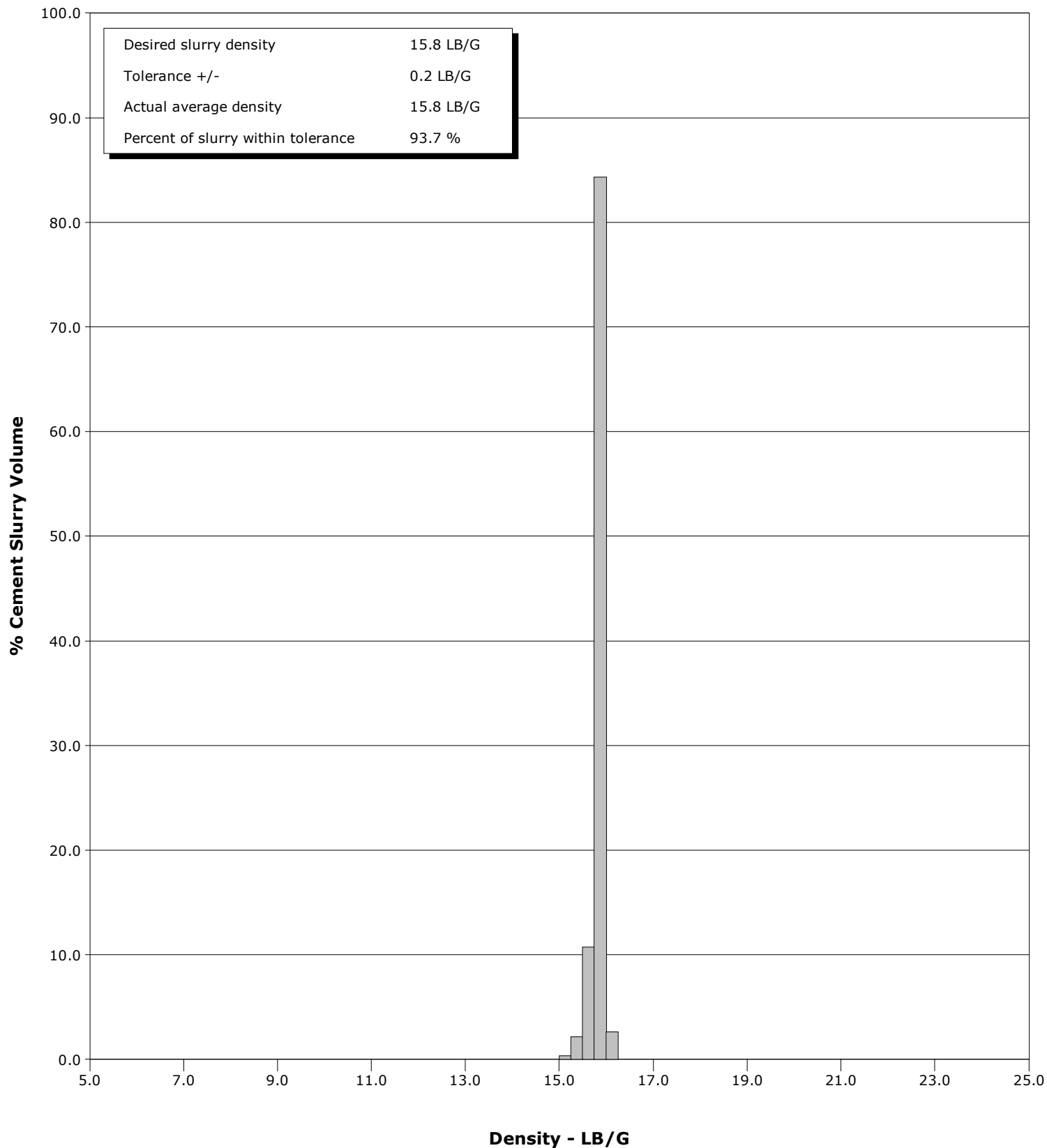
**Client** Extraction Oil Gas  
**SIR No.** 2068522  
**Job Type** 9 5/8 Surface  
**Job Date** 12-15-2014



**Well** Windsor LV B-14H  
**Field** Wattenburg  
**Engineer** Conley Jensen/Lyle Hartsfield  
**Country** United States

**Client** Extraction Oil Gas  
**SIR No.** 2068522  
**Job Type** 9 5/8 Surface  
**Job Date** 12-15-2014

**Cement Slurry - 12/16/2014 01:51:00 to 12/16/2014 02:31:50**



# Cementing Service Report

				Customer Extraction Oil & Gas			Job Number 2068522											
Well Windsor LV B-14H LV B-14H			Location (legal) CWY			Schlumberger Location CWY			Job Start Dec/15/2014									
Field Wattenburg			Formation Name/Type Shale			Deviation deg			Bit Size 13.5 in			Well MD 700.0 ft			Well TVD 700.0 ft			
County Weld			State/Province Colorado			BHP psi			BHST 88 degF			BHCT 80 degF			Pore Press. Gradient lb/gal			
Well Master 0631501165			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		729.0		9.6		36.0		J55		8RD				
						0.0		0.0		0.0								
Drilling Fluid Type			Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe											
							T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing			Job Type 9 5/8 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	
<b>Service Instructions</b> Rig Up Hold Safety Meeting Flush Lines Pressure Test Lines 500/5000PSI Pump 40 BBLS H2O Pump 104 BBLS 15.8 PPG Slurry Drop Top Plug Displace 53 BBLS H2O							ft		ft								Diameter in	
							ft		ft									
							ft		ft									
			Treat Down Casing		Displacement 53.0 bbl		Packer Type None		Packer Depth ft									
			Tubing Vol. bbl		Casing Vol. 56.0 bbl		Annular Vol. 64.0 bbl		Openhole Vol. 120.0 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 729.0 ft			Tool Type									
No. Centralizers			Top Plugs 1			Bottom Plugs			Stage Tool Type			Tool Depth ft						
Cement Head Type Single						Stage Tool Depth ft			Tail Pipe Size in									
Job Scheduled For Dec/15/2014 20:00			Arrived on Location Dec/15/2014 20:00			Leave Location Dec/15/2014			Collar Type Float			Tail Pipe Depth ft						
									Collar Depth 687.0 ft			Sqz. Total Vol. bbl						
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message												
12/16/2014	01:19:24	3	0.0	8.41	0.0	Started Acquisition												
12/16/2014	01:19:25	3	0.0	8.41	0.0	Start Job												
12/16/2014	01:19:26	2	0.0	8.41	0.0	Take H2O Sample = 009515												
12/16/2014	01:19:27	3	0.0	8.41	0.0	Flush Lines												
12/16/2014	01:19:29	2	0.0	8.41	0.0	Pressure Test Lines												
12/16/2014	01:20:54	1	0.0	8.37	0.0													
12/16/2014	01:22:00	52	3.0	8.35	3.1	Low 600 = Good												
12/16/2014	01:22:24	25	0.0	8.35	3.5													
12/16/2014	01:23:54	499	0.0	8.36	3.5													
12/16/2014	01:25:00	2678	0.0	8.36	3.5	High 2500 = Good												
12/16/2014	01:25:24	2640	0.0	8.36	3.5													
12/16/2014	01:26:54	15	0.0	8.36	3.5													
12/16/2014	01:28:24	43	0.5	8.35	4.0													
12/16/2014	01:29:54	142	3.4	8.35	8.2													
12/16/2014	01:31:24	136	3.4	8.35	13.2													
12/16/2014	01:32:54	140	3.4	8.35	18.3													
12/16/2014	01:34:24	136	3.4	8.35	23.4													
12/16/2014	01:35:54	126	3.4	8.35	28.4													
12/16/2014	01:37:24	136	3.4	8.34	33.5													
12/16/2014	01:38:54	139	3.3	8.34	38.5													
12/16/2014	01:40:24	126	3.4	8.34	43.6													

Well			Field		Job Start	Customer		Job Number
Windsor LV B-14H LV B-14H			Wattenburg		Dec/15/2014	Extraction Oil & Gas		2068522
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
12/16/2014	01:43:24	102	2.0	8.34	53.6			
12/16/2014	01:44:54	67	1.0	8.34	55.4			
12/16/2014	01:46:24	65	1.0	8.34	57.0			
12/16/2014	01:47:54	64	1.0	8.34	58.5			
12/16/2014	01:49:24	81	1.6	14.52	0.5			
12/16/2014	01:50:54	85	1.8	15.20	2.7			
12/16/2014	01:51:00	83	1.7	15.22	2.9	Start Cement Slurry		
12/16/2014	01:52:24	82	1.9	15.50	5.5			
12/16/2014	01:53:54	80	2.2	15.64	8.6			
12/16/2014	01:55:24	78	2.3	15.66	11.9			
12/16/2014	01:56:54	66	2.1	15.68	15.6			
12/16/2014	01:58:24	54	1.8	15.76	18.4			
12/16/2014	01:59:54	70	2.3	15.82	21.6			
12/16/2014	02:01:24	103	2.7	15.84	25.3			
12/16/2014	02:02:54	112	2.7	15.86	29.3			
12/16/2014	02:03:57	94	2.7	15.85	32.2	Pump 93 BBLS 15.8 PPG Slurry		
12/16/2014	02:04:24	92	2.7	15.85	33.4			
12/16/2014	02:05:54	115	2.7	15.87	37.6			
12/16/2014	02:06:59	100	2.8	15.88	40.5	Good Returns		
12/16/2014	02:07:24	93	2.8	15.88	41.7			
12/16/2014	02:08:54	110	2.7	15.90	45.8			
12/16/2014	02:10:24	98	2.7	15.89	49.9			
12/16/2014	02:11:54	96	2.7	15.90	54.0			
12/16/2014	02:13:24	113	2.7	15.89	58.1			
12/16/2014	02:14:54	111	2.7	15.85	62.1			
12/16/2014	02:16:24	122	2.7	15.80	66.1			
12/16/2014	02:17:54	98	2.7	15.79	70.1			
12/16/2014	02:19:24	95	2.7	15.77	74.1			
12/16/2014	02:20:54	122	2.6	15.85	78.1			
12/16/2014	02:22:24	112	2.6	15.87	82.0			
12/16/2014	02:23:54	110	2.6	15.86	85.9			
12/16/2014	02:25:24	117	2.6	15.85	89.8			
12/16/2014	02:26:54	106	2.5	15.91	93.7			
12/16/2014	02:28:24	129	2.9	16.01	97.6			
12/16/2014	02:29:54	118	2.8	15.99	101.9			
12/16/2014	02:31:24	102	2.6	15.96	106.0			
12/16/2014	02:31:48	28	0.0	15.99	107.0	End Lead Slurry		
12/16/2014	02:31:50	36	0.0	16.00	107.0	End Cement Slurry		
12/16/2014	02:32:54	35	0.0	15.99	107.0			
12/16/2014	02:34:24	34	0.0	15.99	107.0			
12/16/2014	02:35:54	35	0.0	16.01	0.0			
12/16/2014	02:37:24	34	0.0	15.75	0.0			
12/16/2014	02:38:00	35	0.0	15.61	0.0	Drop Top Plug		
12/16/2014	02:38:54	177	2.0	11.98	0.5			
12/16/2014	02:40:00	78	0.6	9.95	2.6	Displace 53 BBLS H2O		
12/16/2014	02:40:24	141	3.0	9.45	3.1			
12/16/2014	02:41:54	130	3.2	8.78	7.0			
12/16/2014	02:42:00	89	3.2	8.75	7.3	Good Returns		
12/16/2014	02:43:24	200	3.1	8.64	11.8			
12/16/2014	02:44:54	207	4.7	8.61	17.6			
12/16/2014	02:46:24	226	4.7	8.35	24.8			
12/16/2014	02:47:54	238	4.7	8.34	31.8			
12/16/2014	02:49:24	265	4.7	8.34	38.9			
12/16/2014	02:50:54	302	4.7	8.34	45.9			

Well			Field		Job Start	Customer		Job Number
Windsor LV B-14H LV B-14H			Wattenburg		Dec/15/2014	Extraction Oil & Gas		2068522
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
12/16/2014	02:53:54	311	2.4	8.34	53.3			
12/16/2014	02:54:00	285	2.3	8.34	53.5	Bump Top Plug To 1100 PSI		
12/16/2014	02:55:24	1087	0.0	8.34	55.9			
12/16/2014	02:56:54	16	0.0	8.34	55.9			
12/16/2014	02:58:24	13	0.0	8.34	55.9			
12/16/2014	02:59:46	14	0.0	8.34	55.9	Floats Held 1/4 BBLS Back		
12/16/2014	02:59:54	14	0.0	8.34	55.9			
12/16/2014	02:59:58	13	0.0	8.34	55.9	21 BBLS Cement To Surface		

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.7	N2	Mud	Maximum Rate 4.8	Total Slurry 93.0	Mud 0.0	Spacer 92.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3113	Final 13	Average 194	Bump Plug to 1100	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 93.0 bbl	Displacement 53.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Washed Thru Perfs <input type="checkbox"/>	Volume 21.0 bbl	To ft	
Customer or Authorized Representative Shawn McIntire			Schlumberger Supervisor Conley Jensen/Lyle Hartsfield			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	



# Service Quality Evaluation

Client:	Extraction Oil & Gas
Field:	Wattenburg
Rig:	H&P 319
Well:	Windsor LV B-14H
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	Dec/15/2014
Operating Time (hh:mm):	00:00
Client Rep:	Shawn McIntire
Schlumberger Engineer:	Conley Jensen/Lyle Hartsfield
Schlumberger FSM:	

Main Objective:

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

		Score	Yes / No			Result
1	HSE					
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	Wellsite left clean	4	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total						0%
2	Design / Preparation					
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%
3	Execution					
3a	Lost time < 30 mins	3	yes	<input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested successfully	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 successfully	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 as 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%
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%

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: