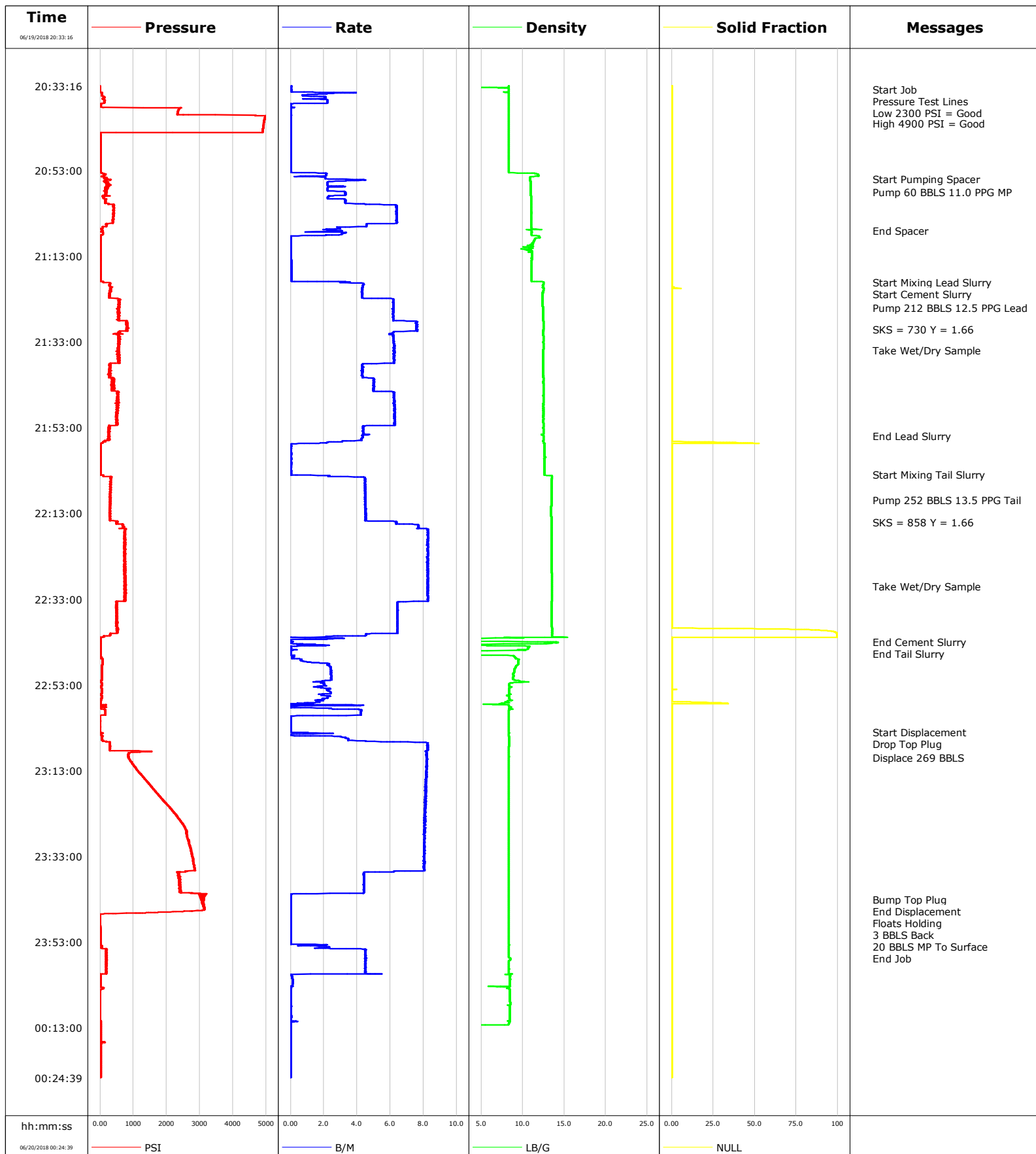


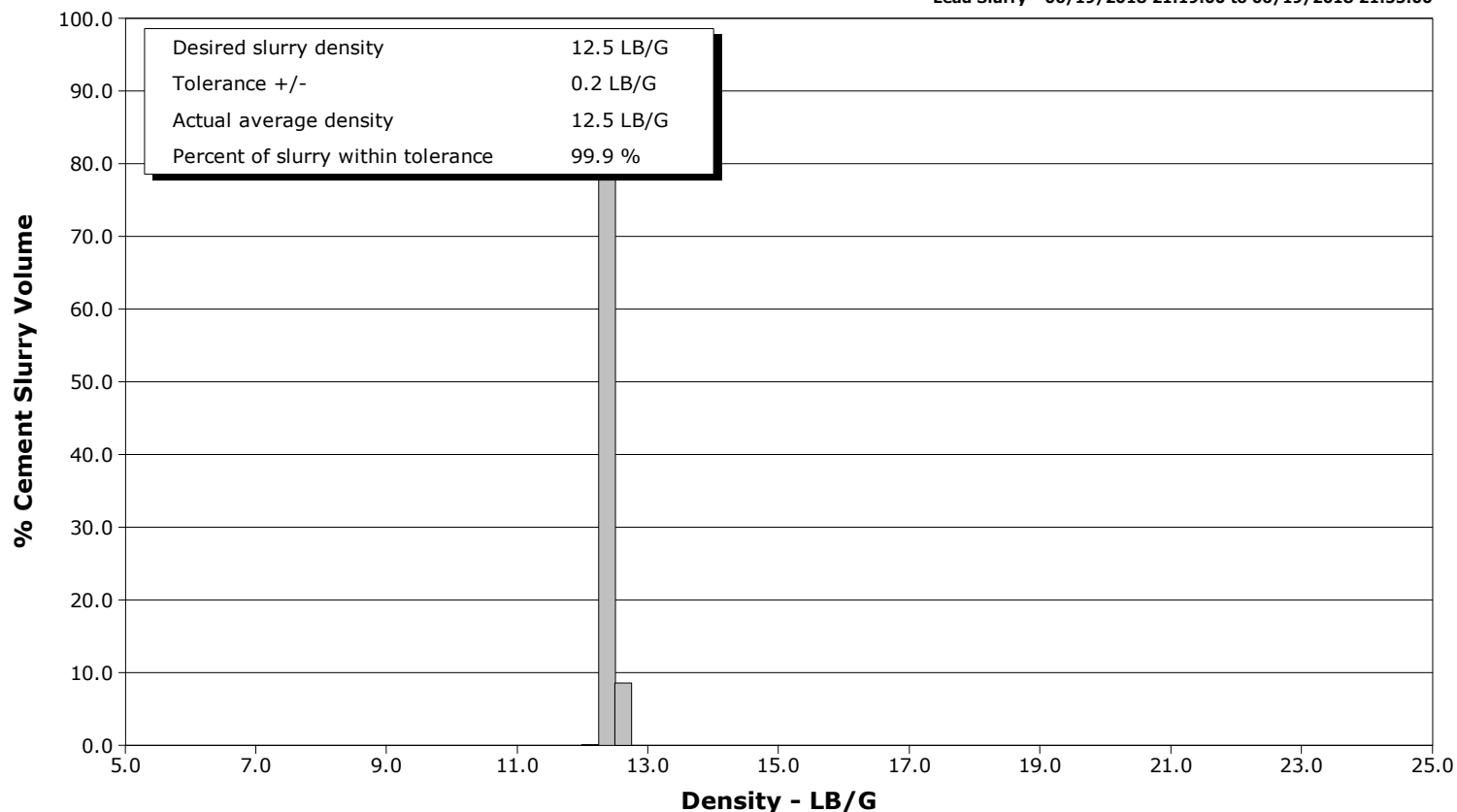
Well	Ruegge	Client	Crestone Peak
Field	Wattenberg	SIR No.	2741112
Engineer	Conley Jensen/ Sheldon Bell	Job Type	5.5" Monobore
Country	United States	Job Date	06-20-2018



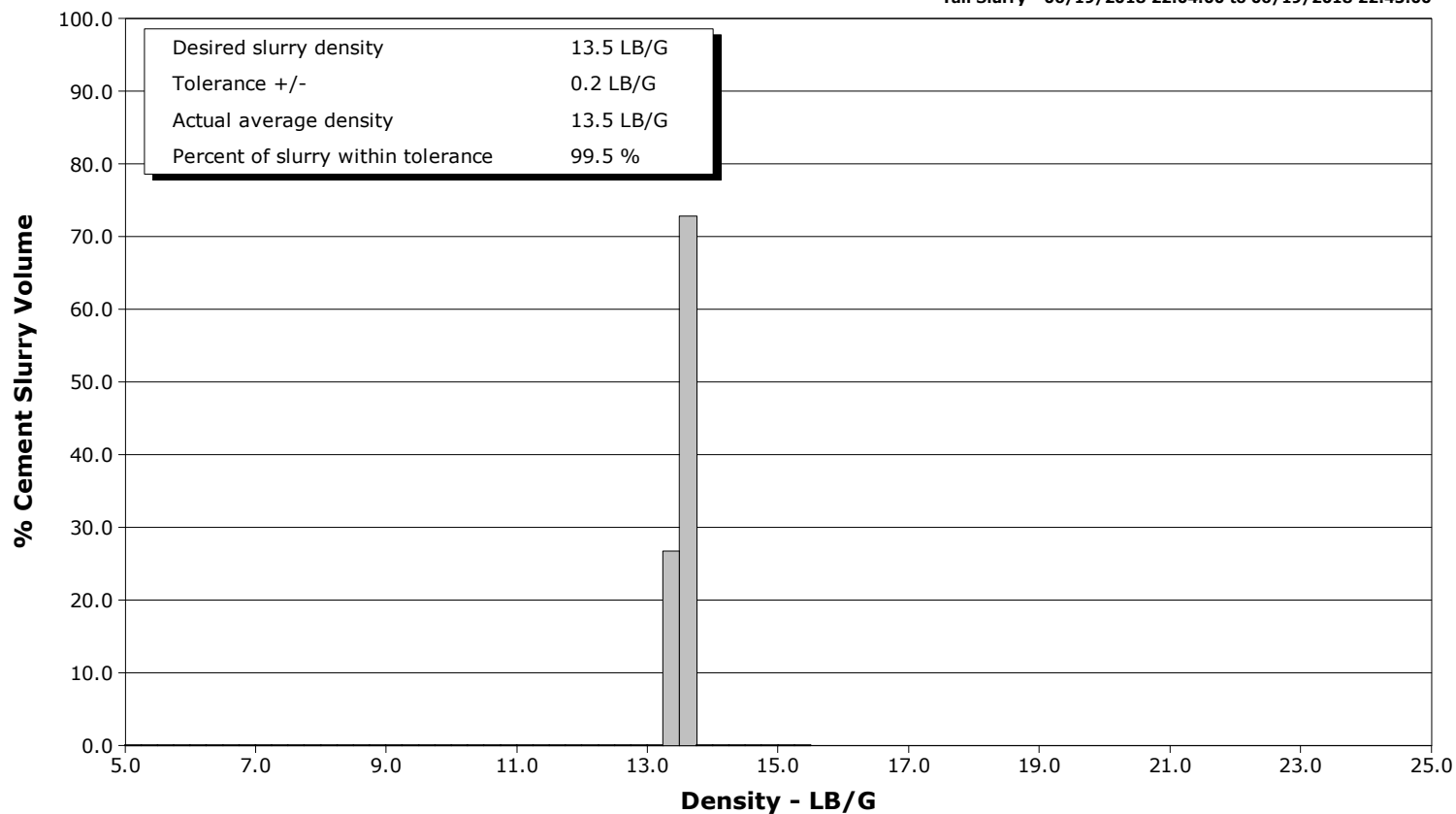
Well Ruegge
Field Wattenberg
Engineer Conley Jensen/ Sheldon Bell
Country United States

Client Crestone Peak
SIR No. 2741112
Job Type 5.5" Monobore
Job Date 06-20-2018

Lead Slurry - 06/19/2018 21:19:00 to 06/19/2018 21:55:00



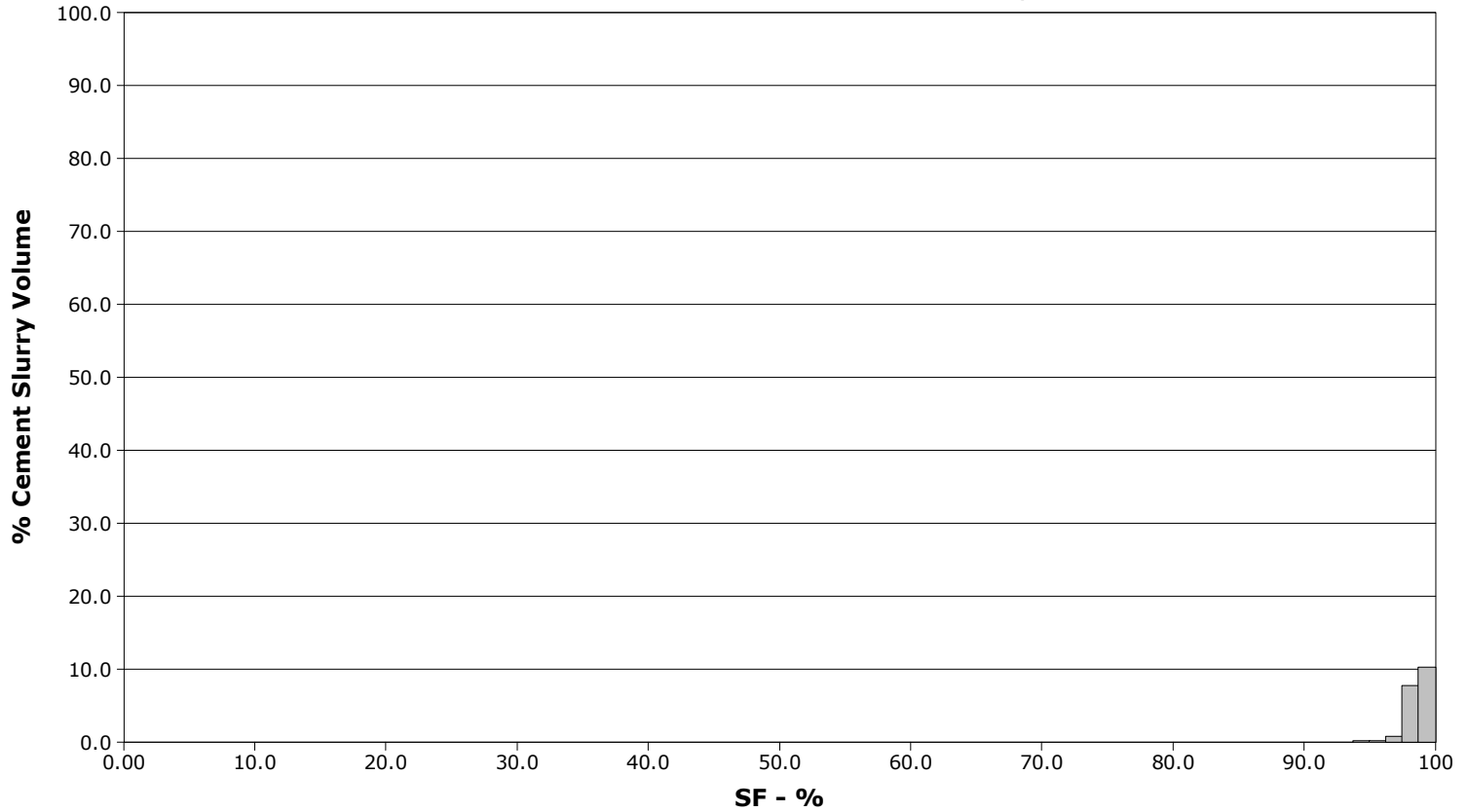
Tail Slurry - 06/19/2018 22:04:00 to 06/19/2018 22:43:00



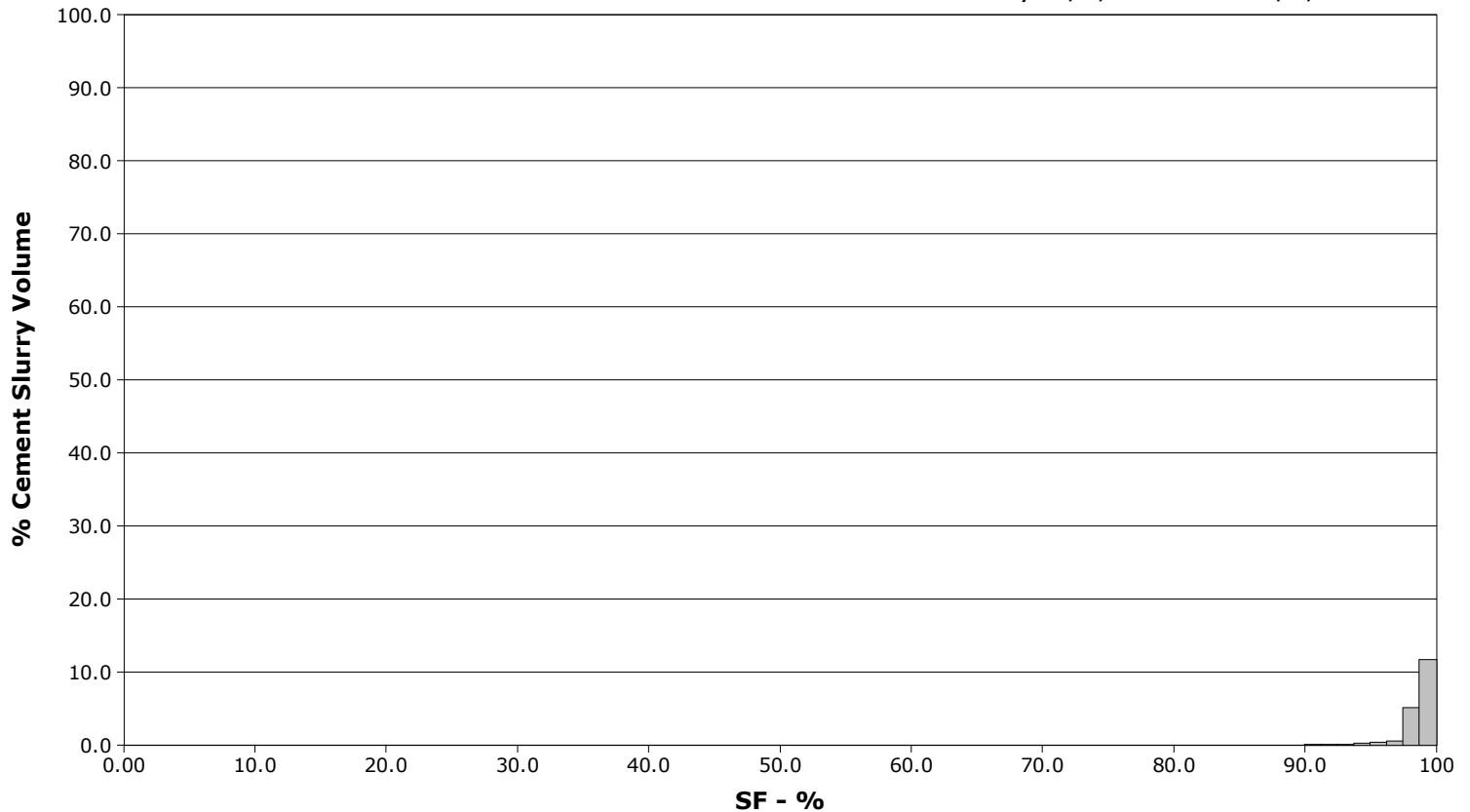
Well Ruegge
Field Wattenberg
Engineer Conley Jensen/ Sheldon Bell
Country United States

Client Crestone Peak
SIR No. 2741112
Job Type 5.5" Monobore
Job Date 06-20-2018

Lead Slurry - 06/19/2018 21:19:00 to 06/19/2018 21:55:00



Tail Slurry - 06/19/2018 22:04:00 to 06/19/2018 22:43:00



Cementing Service Report

				Customer Crestone Peak			Job Number 2741112			
Well Ruegge 3H-4H-N165			Location (legal)		Schlumberger Location CWY			Job Start Jun/20/2018		
Field Wattenberg		Formation Name/Type Shale		Deviation deg	Bit Size 8.5 in		Well MD 12120.0 ft		Well TVD 7272.0 ft	
County		State/Province Colorado		BHP psi	BHST 227 degF	BHCT 195 degF	Pore Press. Gradient lb/gal			
Well Master 0631761947		API/UWI								
Rig Name Ensign 140	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		2483.0	9.6	40.0	J55	8RD		
				12120.0	5.5	20.0	P110	8RD		
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 5.5" Monobore									
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		
				ft	ft					
				ft	ft			Diameter in		
				Treat Down Casing	Displacement 269.0 bbl	Packer Type		Packer Depth ft		
				Tubing Vol. bbl	Casing Vol. 269.0 bbl	Annular Vol. 509.0 bbl		Openhole Vol. 791.0 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 Float			Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 12120.0 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 Jun/19/2018 16:00		Arrived on Location Jun/19/2018 16:00		Leave Location Jun/20/2018 02:00		Collar Type Float		Tail Pipe Depth ft		
						Collar Depth 12109.0 ft		Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
06/19/2018	20:33:16	-3	0.1	8.33	0.0					
06/19/2018	20:34:00	-2	0.0	8.34	0.0	Start Job				
06/19/2018	20:34:46	3	1.3	7.75	0.1					
06/19/2018	20:36:00	130	2.1	8.34	2.3	Pressure Test Lines				
06/19/2018	20:36:16	74	2.0	8.34	2.8					
06/19/2018	20:37:46	22	0.0	8.34	5.2					
06/19/2018	20:39:00	2357	0.0	8.34	5.2	Low 2300 PSI = Good				
06/19/2018	20:39:16	2347	0.0	8.34	5.2					
06/19/2018	20:40:46	4970	0.0	8.34	5.2					
06/19/2018	20:42:00	4937	0.0	8.34	5.2	High 4900 PSI = Good				
06/19/2018	20:42:16	4930	0.0	8.34	5.2					
06/19/2018	20:43:46	4903	0.0	8.34	5.2					
06/19/2018	20:45:16	2	0.0	8.35	0.0					
06/19/2018	20:46:46	5	0.0	8.34	0.0					
06/19/2018	20:48:16	5	0.0	8.35	0.0					
06/19/2018	20:49:46	7	0.0	8.34	0.0					
06/19/2018	20:51:16	6	0.0	8.34	0.0					
06/19/2018	20:52:46	6	0.0	8.34	0.0					
06/19/2018	20:54:16	115	2.1	11.93	1.5					
06/19/2018	20:55:00	179	2.6	10.91	2.8	Start Pumping Spacer				
06/19/2018	20:55:46	269	2.2	10.93	5.4					

Well			Field	Job Start		Customer	Job Number	
Ruegge 3H-4H-N165			Wattenberg		Jun/20/2018		Crestone Peak	2741112
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
06/19/2018	20:58:00	146	3.3	10.94	10.7	Pump 60 BBLS 11.0 PPG MP		
06/19/2018	20:58:46	189	3.3	10.98	13.2			
06/19/2018	21:00:16	171	3.3	11.02	17.4			
06/19/2018	21:01:46	407	6.4	11.04	25.0			
06/19/2018	21:03:16	414	6.4	11.04	34.5			
06/19/2018	21:04:46	409	6.4	11.05	44.1			
06/19/2018	21:06:16	68	2.8	11.04	52.1			
06/19/2018	21:07:00	69	2.9	11.06	54.0	End Spacer		
06/19/2018	21:07:46	79	3.1	11.08	56.2			
06/19/2018	21:09:16	7	0.0	11.41	57.5			
06/19/2018	21:10:46	7	0.0	11.25	57.5			
06/19/2018	21:12:16	7	0.0	11.14	0.0			
06/19/2018	21:13:46	6	0.0	11.11	0.0			
06/19/2018	21:15:16	6	0.0	11.08	0.1			
06/19/2018	21:16:46	6	0.0	11.08	0.1			
06/19/2018	21:18:16	6	0.0	11.08	0.2			
06/19/2018	21:19:00	86	3.4	12.45	0.4	Start Mixing Lead Slurry		
06/19/2018	21:19:46	285	4.4	12.44	3.4			
06/19/2018	21:21:16	300	4.3	12.46	9.9			
06/19/2018	21:22:46	299	4.3	12.40	16.4			
06/19/2018	21:24:16	580	6.2	12.42	25.5			
06/19/2018	21:25:00	565	6.2	12.45	30.1	Pump 212 BBLS 12.5 PPG Lead		
06/19/2018	21:25:46	575	6.2	12.46	34.8			
06/19/2018	21:27:16	541	6.2	12.48	44.1			
06/19/2018	21:28:46	811	7.6	12.49	54.3			
06/19/2018	21:30:00	817	7.6	12.49	63.6	SKS = 730 Y = 1.66		
06/19/2018	21:30:16	789	7.6	12.48	65.7			
06/19/2018	21:31:46	590	6.2	12.49	75.3			
06/19/2018	21:33:16	552	6.2	12.49	84.7			
06/19/2018	21:34:46	536	6.3	12.49	94.0			
06/19/2018	21:35:00	543	6.2	12.47	95.5	Take Wet/Dry Sample		
06/19/2018	21:36:16	575	6.3	12.45	103.3			
06/19/2018	21:37:46	575	6.2	12.45	112.7			
06/19/2018	21:39:16	318	4.3	12.44	119.8			
06/19/2018	21:40:46	259	4.3	12.48	126.3			
06/19/2018	21:42:16	370	5.0	12.48	133.4			
06/19/2018	21:43:46	381	5.0	12.49	140.9			
06/19/2018	21:45:16	541	6.2	12.49	149.2			
06/19/2018	21:46:46	549	6.2	12.50	158.6			
06/19/2018	21:48:16	558	6.3	12.49	168.0			
06/19/2018	21:49:46	535	6.3	12.49	177.4			
06/19/2018	21:51:16	527	6.3	12.48	186.8			
06/19/2018	21:52:46	263	4.4	12.49	195.8			
06/19/2018	21:54:16	266	4.4	12.50	202.3			
06/19/2018	21:55:00	244	4.3	12.51	205.6	End Lead Slurry		
06/19/2018	21:55:46	237	4.3	12.49	208.9			
06/19/2018	21:57:16	7	0.0	12.62	211.9			
06/19/2018	21:58:46	9	0.0	12.63	211.9			
06/19/2018	22:00:16	9	0.0	12.62	0.0			
06/19/2018	22:01:46	8	0.0	12.64	0.1			
06/19/2018	22:03:16	8	0.0	12.64	0.1			
06/19/2018	22:04:00	8	0.0	12.65	0.1	Start Mixing Tail Slurry		
06/19/2018	22:04:46	327	4.5	13.51	2.1			
06/19/2018	22:06:16	293	4.5	13.48	8.9			

Well			Field	Job Start		Customer	Job Number	
Ruegge 3H-4H-N165			Wattenberg		Jun/20/2018		Crestone Peak	2741112
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
06/19/2018	22:09:16	279	4.5	13.48	22.4			
06/19/2018	22:10:00	305	4.5	13.48	25.7	Pump 252 BBLS 13.5 PPG Tail		
06/19/2018	22:10:46	308	4.5	13.47	29.1			
06/19/2018	22:12:16	287	4.5	13.42	35.9			
06/19/2018	22:13:46	293	4.5	13.45	42.7			
06/19/2018	22:15:00	518	6.4	13.47	48.6	SKS = 858 Y = 1.66		
06/19/2018	22:15:16	506	6.4	13.48	50.3			
06/19/2018	22:16:46	756	8.3	13.49	61.6			
06/19/2018	22:18:16	760	8.3	13.49	74.0			
06/19/2018	22:19:46	760	8.3	13.49	86.4			
06/19/2018	22:21:16	766	8.3	13.50	98.8			
06/19/2018	22:22:46	747	8.3	13.50	111.2			
06/19/2018	22:24:16	740	8.3	13.50	123.6			
06/19/2018	22:25:46	726	8.2	13.49	136.0			
06/19/2018	22:27:16	735	8.3	13.51	148.4			
06/19/2018	22:28:46	741	8.2	13.52	160.9			
06/19/2018	22:30:00	779	8.3	13.53	171.0	Take Wet/Dry Sample		
06/19/2018	22:30:16	768	8.3	13.53	173.3			
06/19/2018	22:31:46	759	8.3	13.53	185.5			
06/19/2018	22:33:16	762	8.3	13.52	198.1			
06/19/2018	22:34:46	492	6.4	13.46	208.3			
06/19/2018	22:36:16	537	6.4	13.50	218.0			
06/19/2018	22:37:46	496	6.5	13.49	227.7			
06/19/2018	22:39:16	536	6.4	13.48	237.3			
06/19/2018	22:40:46	517	6.4	13.56	247.0			
06/19/2018	22:42:16	20	2.5	1.12	252.7			
06/19/2018	22:43:00	10	0.1	13.73	253.1	End Cement Slurry		
06/19/2018	22:43:46	9	2.3	4.28	253.4			
06/19/2018	22:45:16	11	0.0	0.29	253.9			
06/19/2018	22:46:46	16	0.1	9.16	254.0			
06/19/2018	22:48:16	61	2.2	9.45	1.6			
06/19/2018	22:49:46	56	2.4	8.96	5.1			
06/19/2018	22:51:16	55	2.4	8.83	8.8			
06/19/2018	22:52:46	52	2.0	8.40	12.0			
06/19/2018	22:54:16	53	2.2	8.37	15.1			
06/19/2018	22:55:46	54	2.2	8.37	18.4			
06/19/2018	22:57:16	4	0.6	7.87	21.2			
06/19/2018	22:58:46	145	4.2	8.45	23.2			
06/19/2018	23:00:16	-5	0.1	8.35	29.2			
06/19/2018	23:01:46	-1	0.0	8.34	29.2			
06/19/2018	23:03:16	-1	0.0	8.34	29.2			
06/19/2018	23:04:00	-1	0.0	8.35	0.0	Start Displacement		
06/19/2018	23:04:46	34	0.0	8.34	0.5			
06/19/2018	23:05:00	68	2.8	8.34	0.7	Drop Top Plug		
06/19/2018	23:06:16	185	5.5	8.38	5.2			
06/19/2018	23:07:46	296	8.3	8.35	17.2			
06/19/2018	23:09:16	845	8.2	8.35	29.6			
06/19/2018	23:10:00	859	8.2	8.35	35.6	Displace 269 BBLS		
06/19/2018	23:10:46	923	8.2	8.35	41.9			
06/19/2018	23:12:16	1077	8.2	8.35	54.2			
06/19/2018	23:13:46	1204	8.2	8.35	66.5			
06/19/2018	23:15:16	1387	8.1	8.35	78.8			
06/19/2018	23:16:46	1542	8.2	8.35	91.0			
06/19/2018	23:18:16	1713	8.1	8.35	103.2			

Well			Field	Job Start		Customer		Job Number
Ruegge 3H-4H-N165			Wattenberg	Jun/20/2018		Crestone Peak		2741112
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
06/19/2018	23:21:16	2057	8.1	8.35	127.6			
06/19/2018	23:22:46	2228	8.1	8.35	139.8			
06/19/2018	23:24:16	2384	8.1	8.34	151.9			
06/19/2018	23:25:46	2519	8.1	8.34	164.1			
06/19/2018	23:27:16	2605	8.1	8.34	176.1			
06/19/2018	23:28:46	2628	8.1	8.34	188.3			
06/19/2018	23:30:16	2691	8.1	8.34	200.4			
06/19/2018	23:31:46	2745	8.1	8.34	212.5			
06/19/2018	23:33:16	2795	8.1	8.34	224.6			
06/19/2018	23:34:46	2825	8.0	8.35	236.7			
06/19/2018	23:36:16	2856	8.1	8.34	248.8			
06/19/2018	23:37:46	2422	4.4	8.34	256.5			
06/19/2018	23:39:16	2434	4.4	8.34	263.1			
06/19/2018	23:40:46	2405	4.4	8.34	269.7			
06/19/2018	23:42:16	3021	0.0	8.35	273.9			
06/19/2018	23:43:00	3094	0.0	8.35	273.9	Bump Top Plug		
06/19/2018	23:43:46	3083	0.0	8.35	273.9			
06/19/2018	23:45:16	3139	0.0	8.35	273.9			
06/19/2018	23:46:00	2042	0.0	8.35	274.0	Floats Holding		
06/19/2018	23:46:46	-5	0.0	8.35	274.0			
06/19/2018	23:48:16	-1	0.0	8.35	274.0			
06/19/2018	23:49:46	1	0.0	8.35	274.0			
06/19/2018	23:51:16	1	0.0	8.35	274.0			
06/19/2018	23:52:00	1	0.0	8.35	274.0	20 BBLS MP To Surface		
06/19/2018	23:52:46	1	0.0	8.35	274.0			
06/19/2018	23:54:16	53	2.3	8.34	275.2			
06/19/2018	23:55:00	176	4.5	8.34	277.7	End Job		
06/19/2018	23:55:46	179	4.5	8.35	281.2			
06/19/2018	23:57:16	203	4.5	8.45	287.9			
06/19/2018	23:58:46	175	4.5	8.35	6.2			
06/20/2018	00:00:16	185	4.5	8.35	13.0			
06/20/2018	00:01:46	1	0.1	8.48	14.3			
06/20/2018	00:03:16	2	0.1	8.46	14.5			
06/20/2018	00:04:46	-2	0.0	8.43	14.5			
06/20/2018	00:06:16	-1	0.0	8.45	14.5			
06/20/2018	00:07:46	-2	0.0	8.30	14.5			
06/20/2018	00:09:16	-2	0.0	8.44	14.5			
06/20/2018	00:10:46	-2	0.0	8.44	14.6			
06/20/2018	00:12:16	18	0.0	8.32	14.7			
06/20/2018	00:13:46	18	0.0	0.09	14.7			
06/20/2018	00:15:16	17	0.0	0.07	14.7			
06/20/2018	00:16:46	31	0.0	0.06	14.7			
06/20/2018	00:18:16	19	0.0	0.11	14.7			
06/20/2018	00:19:46	19	0.0	0.06	14.7			
06/20/2018	00:21:16	18	0.0	0.06	14.7			

Well Ruegge 3H-4H-N165	Field Wattenberg	Job Start Jun/20/2018	Customer Crestone Peak	Job Number 2741112
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 470.0	Mud	Spacer 60.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final 0	Average	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 470.0 bbl	Displacement 269.0 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Mike Quintana			Schlumberger Supervisor Conley Jensen/ Sheldon Bell			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-



Service Order #:	
Date:	Jun/20/2018
Operating Time (hh:mm):	00:00
Client Rep:	Mike Quintana
Schlumberger Engineer:	Conley Jensen/ Sheldon Bell
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: