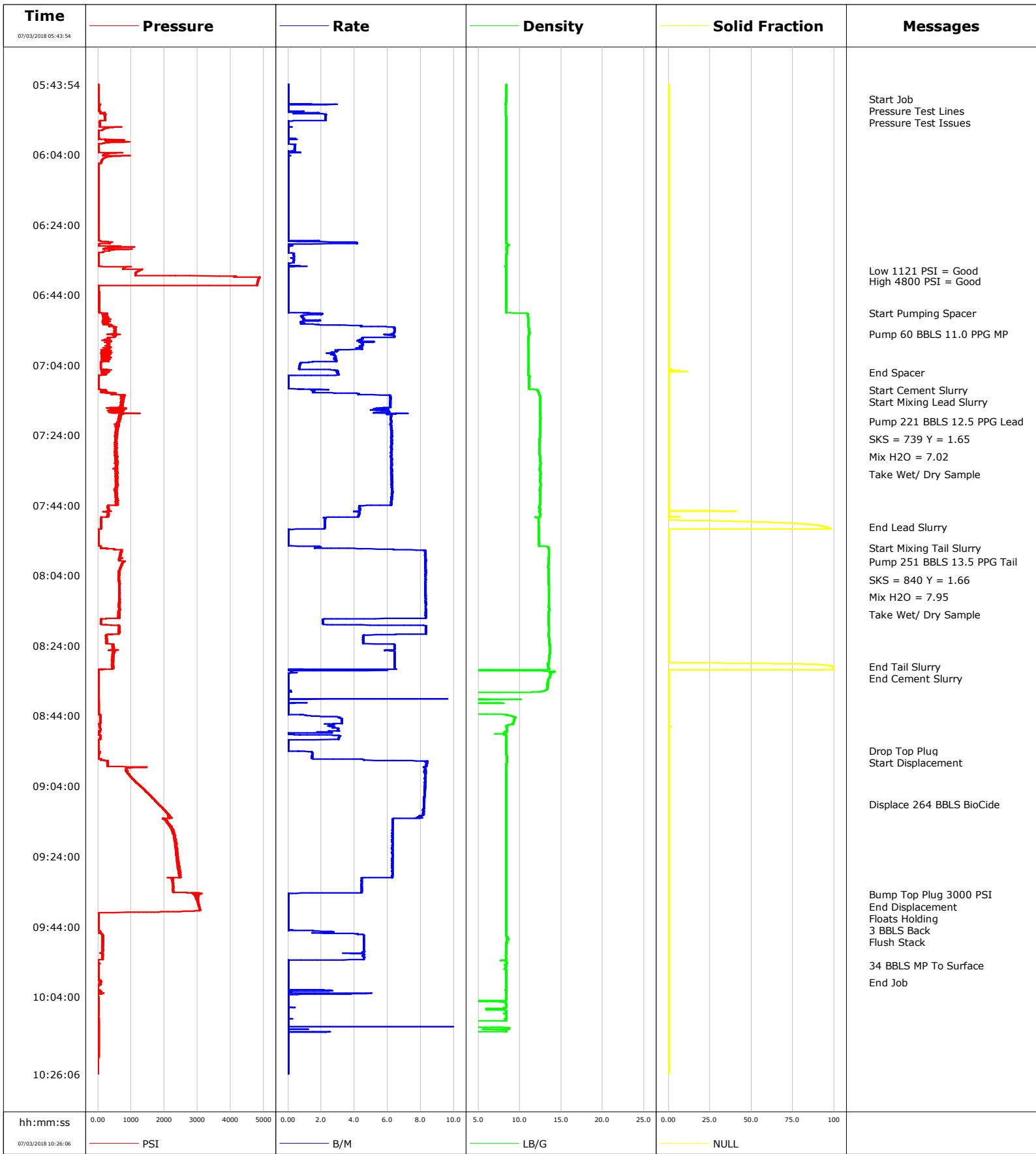


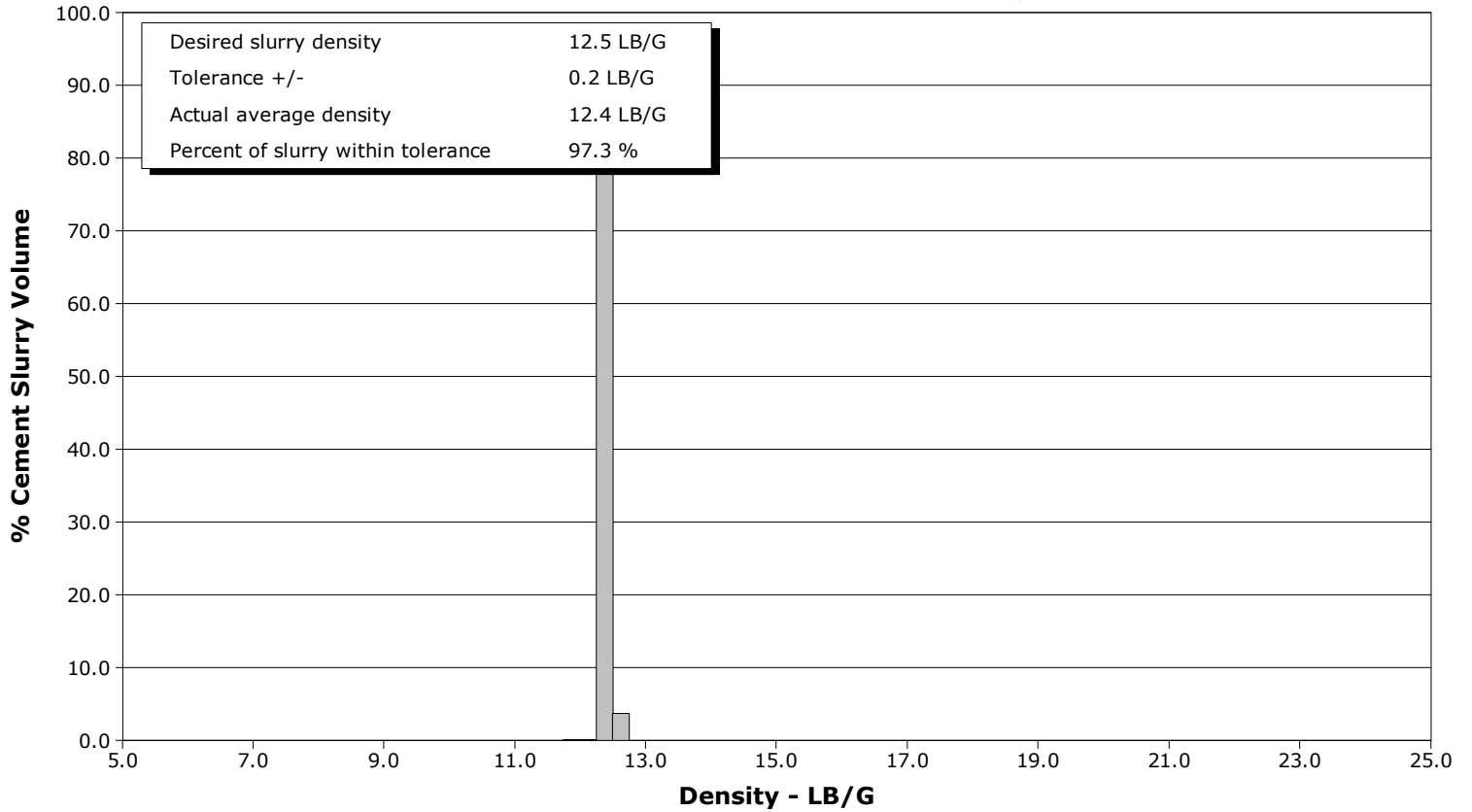
Well	Ruegge	Client	Crestone Peak
Field	Wattenberg	SIR No.	2741115
Engineer	Conley Jensen/ Kyle Jaramillo	Job Type	5.5" Monobore
Country	United States	Job Date	07-03-2018



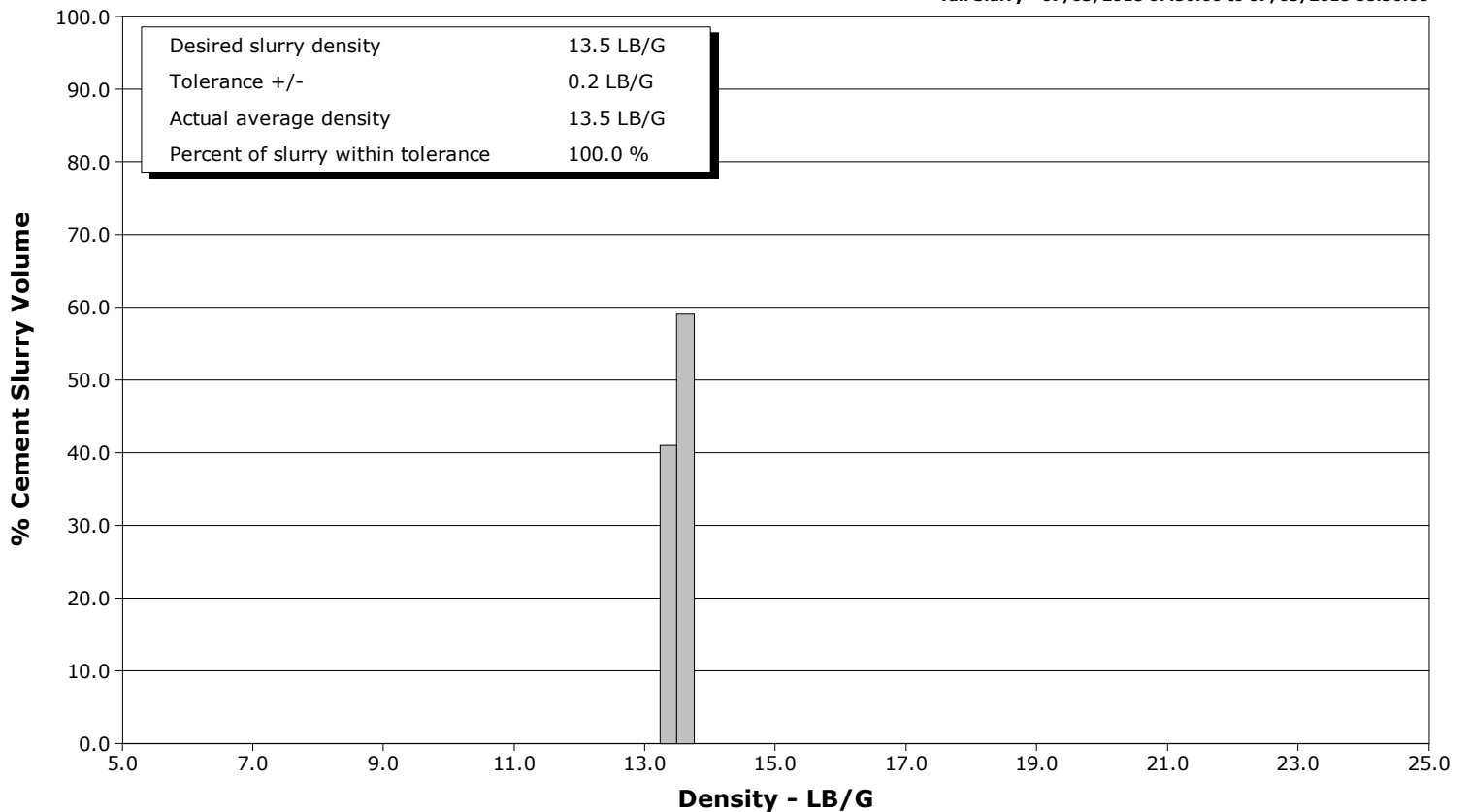
Well Ruegge
Field Wattenberg
Engineer Conley Jensen/ Kyle Jaramillo
Country United States

Client Crestone Peak
SIR No. 2741115
Job Type 5.5" Monobore
Job Date 07-03-2018

Lead Slurry - 07/03/2018 07:13:00 to 07/03/2018 07:50:00



Tail Slurry - 07/03/2018 07:56:00 to 07/03/2018 08:30:00



Well		Field		Job Start		Customer		Job Number	
Ruegge 3K-4H-N165		Wattenberg		Jul/03/2018		Crestone Peak		2741115	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/03/2018	06:12:24	5	0.0	8.37	6.4				
07/03/2018	06:13:54	5	0.0	8.37	6.4				
07/03/2018	06:15:24	5	0.0	8.37	6.4				
07/03/2018	06:16:54	5	0.0	8.37	6.4				
07/03/2018	06:18:24	5	0.0	8.37	6.4				
07/03/2018	06:19:54	5	0.0	8.37	6.4				
07/03/2018	06:21:24	5	0.0	8.37	6.4				
07/03/2018	06:22:54	5	0.0	8.37	6.4				
07/03/2018	06:24:24	5	0.0	8.37	6.4				
07/03/2018	06:25:54	5	0.0	8.37	6.4				
07/03/2018	06:27:24	6	0.0	8.37	6.4				
07/03/2018	06:28:54	421	3.9	8.37	6.9				
07/03/2018	06:30:24	625	0.0	8.43	9.0				
07/03/2018	06:31:54	129	0.0	8.42	9.0				
07/03/2018	06:33:24	7	0.2	8.39	9.4				
07/03/2018	06:34:54	5	0.0	8.37	9.9				
07/03/2018	06:36:24	769	0.0	8.37	10.0				
07/03/2018	06:37:00	1256	0.0	8.37	10.0	Low 1121 PSI = Good			
07/03/2018	06:37:54	1126	0.0	8.37	10.0				
07/03/2018	06:39:24	4855	0.0	8.37	10.0				
07/03/2018	06:40:00	4836	0.0	8.37	10.0	High 4800 PSI = Good			
07/03/2018	06:40:54	4815	0.0	8.37	10.0				
07/03/2018	06:42:24	9	0.0	8.37	0.0				
07/03/2018	06:43:54	30	0.0	8.37	0.0				
07/03/2018	06:45:24	32	0.0	8.37	0.0				
07/03/2018	06:46:54	35	0.0	8.37	0.0				
07/03/2018	06:48:24	38	0.0	8.37	0.0				
07/03/2018	06:49:00	39	0.0	8.37	0.0	Start Pumping Spacer			
07/03/2018	06:49:54	140	0.9	10.97	1.3				
07/03/2018	06:51:24	313	1.8	11.02	2.9				
07/03/2018	06:52:54	332	4.4	11.03	5.5				
07/03/2018	06:54:24	536	6.4	11.14	14.9				
07/03/2018	06:55:00	463	6.4	11.17	18.8	Pump 60 BBLs 11.0 PPG MP			
07/03/2018	06:55:54	507	6.4	11.04	24.4				
07/03/2018	06:57:24	313	5.1	11.01	31.6				
07/03/2018	06:58:54	284	4.3	11.04	38.3				
07/03/2018	07:00:24	426	2.8	11.09	43.6				
07/03/2018	07:01:54	221	2.8	11.08	47.7				
07/03/2018	07:03:24	87	0.7	11.07	51.4				
07/03/2018	07:04:54	85	0.7	11.07	52.4				
07/03/2018	07:06:00	268	3.0	11.03	54.8	End Spacer			
07/03/2018	07:06:24	154	3.0	11.03	56.0				
07/03/2018	07:07:54	9	0.0	11.16	0.0				
07/03/2018	07:09:24	8	0.0	11.16	0.0				
07/03/2018	07:10:54	71	1.3	11.78	0.1				
07/03/2018	07:11:00	100	1.8	12.08	0.2	Start Cement Slurry			
07/03/2018	07:12:24	449	4.2	12.38	3.6				
07/03/2018	07:13:00	728	6.2	12.44	7.2	Start Mixing Lead Slurry			
07/03/2018	07:13:54	746	6.2	12.45	12.7				
07/03/2018	07:15:24	694	6.2	12.44	22.0				
07/03/2018	07:16:54	476	5.5	12.46	30.7				
07/03/2018	07:18:24	645	6.2	12.47	39.8				
07/03/2018	07:19:54	635	6.2	12.47	49.1				
07/03/2018	07:20:00	607	6.2	12.46	49.8	Pump 221 BBLs 12.5 PPG Lead			

Well			Field		Job Start	Customer	Job Number
Ruegge 3K-4H-N165			Wattenberg		Jul/03/2018	Crestone Peak	2741115
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/03/2018	07:22:54	532	6.3	12.45	67.8		
07/03/2018	07:24:24	534	6.3	12.44	77.2		
07/03/2018	07:25:00	537	6.3	12.42	81.0	SKS = 739 Y = 1.65	
07/03/2018	07:25:54	557	6.2	12.41	86.6		
07/03/2018	07:27:24	518	6.2	12.42	96.0		
07/03/2018	07:28:54	540	6.2	12.42	105.3		
07/03/2018	07:30:00	580	6.2	12.49	112.2	Mix H2O = 7.02	
07/03/2018	07:30:24	539	6.3	12.45	114.7		
07/03/2018	07:31:54	554	6.2	12.49	124.1		
07/03/2018	07:33:24	538	6.3	12.43	133.4		
07/03/2018	07:34:54	544	6.2	12.50	142.8		
07/03/2018	07:35:00	542	6.2	12.50	143.4	Take Wet/ Dry Sample	
07/03/2018	07:36:24	532	6.3	12.48	152.2		
07/03/2018	07:37:54	549	6.3	12.50	161.6		
07/03/2018	07:39:24	512	6.3	12.44	171.0		
07/03/2018	07:40:54	533	6.3	12.46	180.4		
07/03/2018	07:42:24	541	6.3	12.48	189.8		
07/03/2018	07:43:54	527	6.2	12.43	199.2		
07/03/2018	07:45:24	308	4.3	12.46	205.9		
07/03/2018	07:46:54	299	4.3	12.44	212.3		
07/03/2018	07:49:54	96	2.2	12.30	219.9		
07/03/2018	07:50:00	96	2.2	12.31	220.1	End Lead Slurry	
07/03/2018	07:51:24	7	0.0	12.34	221.8		
07/03/2018	07:52:54	11	0.0	12.34	0.0		
07/03/2018	07:54:24	13	0.0	12.34	0.0		
07/03/2018	07:55:54	79	1.9	13.46	0.6		
07/03/2018	07:56:00	81	1.7	13.46	0.8	Start Mixing Tail Slurry	
07/03/2018	07:57:24	699	8.3	13.54	9.5		
07/03/2018	07:58:54	649	8.3	13.49	21.9		
07/03/2018	08:00:00	788	8.3	13.47	31.1	Pump 251 BBLs 13.5 PPG Tail	
07/03/2018	08:00:24	759	8.3	13.47	34.4		
07/03/2018	08:01:54	682	8.3	13.45	46.8		
07/03/2018	08:03:24	645	8.3	13.49	59.3		
07/03/2018	08:04:54	640	8.3	13.45	71.8		
07/03/2018	08:05:00	632	8.3	13.45	72.6	SKS = 840 Y = 1.66	
07/03/2018	08:06:24	641	8.3	13.50	84.2		
07/03/2018	08:07:54	651	8.3	13.54	96.7		
07/03/2018	08:09:24	639	8.3	13.56	109.1		
07/03/2018	08:10:00	634	8.3	13.54	114.1	Mix H2O = 7.95	
07/03/2018	08:10:54	655	8.3	13.54	121.6		
07/03/2018	08:12:24	637	8.3	13.53	134.1		
07/03/2018	08:13:54	643	8.4	13.58	146.5		
07/03/2018	08:15:00	633	8.4	13.47	155.7	Take Wet/ Dry Sample	
07/03/2018	08:15:24	602	8.3	13.47	159.0		
07/03/2018	08:16:54	88	2.1	13.47	167.7		
07/03/2018	08:18:24	631	8.3	13.51	172.7		
07/03/2018	08:19:54	617	8.3	13.54	185.1		
07/03/2018	08:21:24	246	4.5	13.48	195.4		
07/03/2018	08:22:54	247	4.5	13.62	202.2		
07/03/2018	08:24:24	461	6.4	13.63	210.8		
07/03/2018	08:25:54	478	6.4	13.66	220.3		
07/03/2018	08:27:24	446	6.4	13.57	229.9		
07/03/2018	08:28:54	442	6.4	13.51	239.6		
07/03/2018	08:30:00	439	6.4	13.44	246.6	End Tail Slurry	

Well		Field		Job Start		Customer		Job Number	
Ruegge 3K-4H-N165		Wattenberg		Jul/03/2018		Crestone Peak		2741115	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/03/2018	08:31:54	12	0.0	13.78	252.2				
07/03/2018	08:33:24	12	0.0	13.52	252.2				
07/03/2018	08:34:54	13	0.0	13.39	0.0				
07/03/2018	08:36:24	14	0.0	13.34	0.0				
07/03/2018	08:37:54	15	0.0	0.01	0.1				
07/03/2018	08:39:24	15	0.0	2.49	0.4				
07/03/2018	08:40:54	15	0.0	0.01	0.5				
07/03/2018	08:42:24	16	0.0	0.01	0.5				
07/03/2018	08:43:54	71	1.2	8.81	0.7				
07/03/2018	08:45:24	69	3.2	9.31	4.9				
07/03/2018	08:46:54	52	2.5	8.39	9.4				
07/03/2018	08:48:24	44	2.5	8.38	13.7				
07/03/2018	08:49:54	62	3.1	8.36	16.2				
07/03/2018	08:51:24	1	0.0	8.37	19.0				
07/03/2018	08:52:54	1	0.0	8.37	19.0				
07/03/2018	08:54:00	0	0.0	8.37	0.0	Drop Top Plug			
07/03/2018	08:54:24	45	1.4	8.38	0.4				
07/03/2018	08:55:54	13	1.4	8.41	2.6				
07/03/2018	08:57:24	303	8.4	8.41	10.5				
07/03/2018	08:58:54	873	8.3	8.38	23.0				
07/03/2018	09:00:24	894	8.3	8.37	35.4				
07/03/2018	09:01:54	1035	8.3	8.37	47.9				
07/03/2018	09:03:24	1206	8.3	8.37	60.3				
07/03/2018	09:04:54	1382	8.3	8.37	72.7				
07/03/2018	09:06:24	1537	8.2	8.37	85.1				
07/03/2018	09:07:54	1700	8.2	8.37	97.4				
07/03/2018	09:09:06	1819	8.2	8.37	107.3	Displace 264 BBLs BioCide			
07/03/2018	09:09:24	1850	8.2	8.37	109.8				
07/03/2018	09:10:54	2020	8.2	8.37	122.1				
07/03/2018	09:12:24	2163	8.2	8.37	134.3				
07/03/2018	09:13:54	2057	6.3	8.36	145.2				
07/03/2018	09:15:24	2166	6.3	8.36	154.7				
07/03/2018	09:16:54	2246	6.3	8.36	164.2				
07/03/2018	09:18:24	2305	6.3	8.36	173.6				
07/03/2018	09:19:54	2317	6.3	8.36	183.1				
07/03/2018	09:21:24	2351	6.3	8.36	192.5				
07/03/2018	09:22:54	2357	6.3	8.36	202.0				
07/03/2018	09:24:24	2392	6.3	8.36	211.5				
07/03/2018	09:25:54	2448	6.3	8.36	220.9				
07/03/2018	09:27:24	2446	6.3	8.36	230.3				
07/03/2018	09:28:54	2501	6.3	8.36	239.8				
07/03/2018	09:30:24	2228	4.4	8.36	248.8				
07/03/2018	09:31:54	2262	4.4	8.36	255.5				
07/03/2018	09:33:24	2262	4.4	8.36	262.1				
07/03/2018	09:34:54	3056	0.0	8.36	267.2				
07/03/2018	09:34:58	2930	0.0	8.36	267.2	Bump Top Plug 3000 PSI			
07/03/2018	09:36:24	3012	0.0	8.36	267.2				
07/03/2018	09:37:54	3033	0.0	8.37	267.2				
07/03/2018	09:39:24	3087	0.0	8.37	267.2				
07/03/2018	09:40:21	3	0.0	8.37	267.2	Floats Holding			
07/03/2018	09:40:54	5	0.0	8.37	267.2				
07/03/2018	09:42:24	6	0.0	8.37	267.2				
07/03/2018	09:43:54	4	0.0	8.37	267.2				
07/03/2018	09:45:00	6	0.0	8.37	267.2	Flush Stack			

Well		Field		Job Start		Customer		Job Number	
Ruegge 3K-4H-N165		Wattenberg		Jul/03/2018		Crestone Peak		2741115	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/03/2018	09:46:54	152	4.6	8.37	5.0				
07/03/2018	09:48:24	153	4.6	8.42	11.9				
07/03/2018	09:49:54	150	4.6	8.40	18.7				
07/03/2018	09:51:24	128	4.5	8.34	25.6				
07/03/2018	09:52:54	146	4.6	8.37	32.3				
07/03/2018	09:54:24	1	0.0	8.42	35.6				
07/03/2018	09:55:00	0	0.0	8.35	35.6	34 BBLs MP To Surface			
07/03/2018	09:55:54	3	0.0	8.31	35.6				
07/03/2018	09:57:24	1	0.0	8.37	35.6				
07/03/2018	09:58:54	1	0.0	8.37	35.6				
07/03/2018	10:00:00	37	0.0	8.37	35.6	End Job			
07/03/2018	10:00:24	68	0.0	8.37	35.6				
07/03/2018	10:01:54	-2	0.0	8.37	35.6				
07/03/2018	10:03:24	-20	1.2	8.37	37.5				
07/03/2018	10:04:54	4	0.0	8.37	37.6				
07/03/2018	10:06:24	3	0.0	8.37	37.6				
07/03/2018	10:07:54	3	0.0	7.91	37.6				
07/03/2018	10:09:24	0	0.0	8.36	37.6				
07/03/2018	10:10:54	20	0.0	8.37	37.6				
07/03/2018	10:12:24	21	0.0	2.49	37.6				
07/03/2018	10:13:54	22	0.0	8.37	38.5				
07/03/2018	10:15:24	23	0.0	0.01	38.7				
07/03/2018	10:16:54	23	0.0	0.01	38.7				
07/03/2018	10:18:24	22	0.0	0.01	38.7				
07/03/2018	10:19:54	23	0.0	0.01	38.7				
07/03/2018	10:21:24	-2	0.0	0.01	38.7				
07/03/2018	10:24:24	-2	0.0	0.01	38.7				

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.4			25.0	867.1	0.0	60.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
4879	-2	594	3000			bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	
%	466.0 bbl		264.0 bbl	70 degF	<input type="checkbox"/>	bbl	
Customer or Authorized Representative				Schlumberger Supervisor		Washed Thru Perfs	To
Nate Curley				Conley Jensen/ Kyle Jaramillo		<input type="checkbox"/>	ft
				Circulation Lost		<input type="checkbox"/>	Job Completed
				-		<input checked="" type="checkbox"/>	X

Client:	Crestone Peak
Field:	Wattenberg
Rig:	Ensign 140
Well:	Ruegge
Service Line:	Cementing
Job Type:	5.5" Monobore

Service Order #:	
Date:	Jul/03/2018
Operating Time (hh:mm):	00:00
Client Rep:	Nate Curley
Schlumberger Engineer:	Conley Jensen/ Kyle Jaramillo
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: