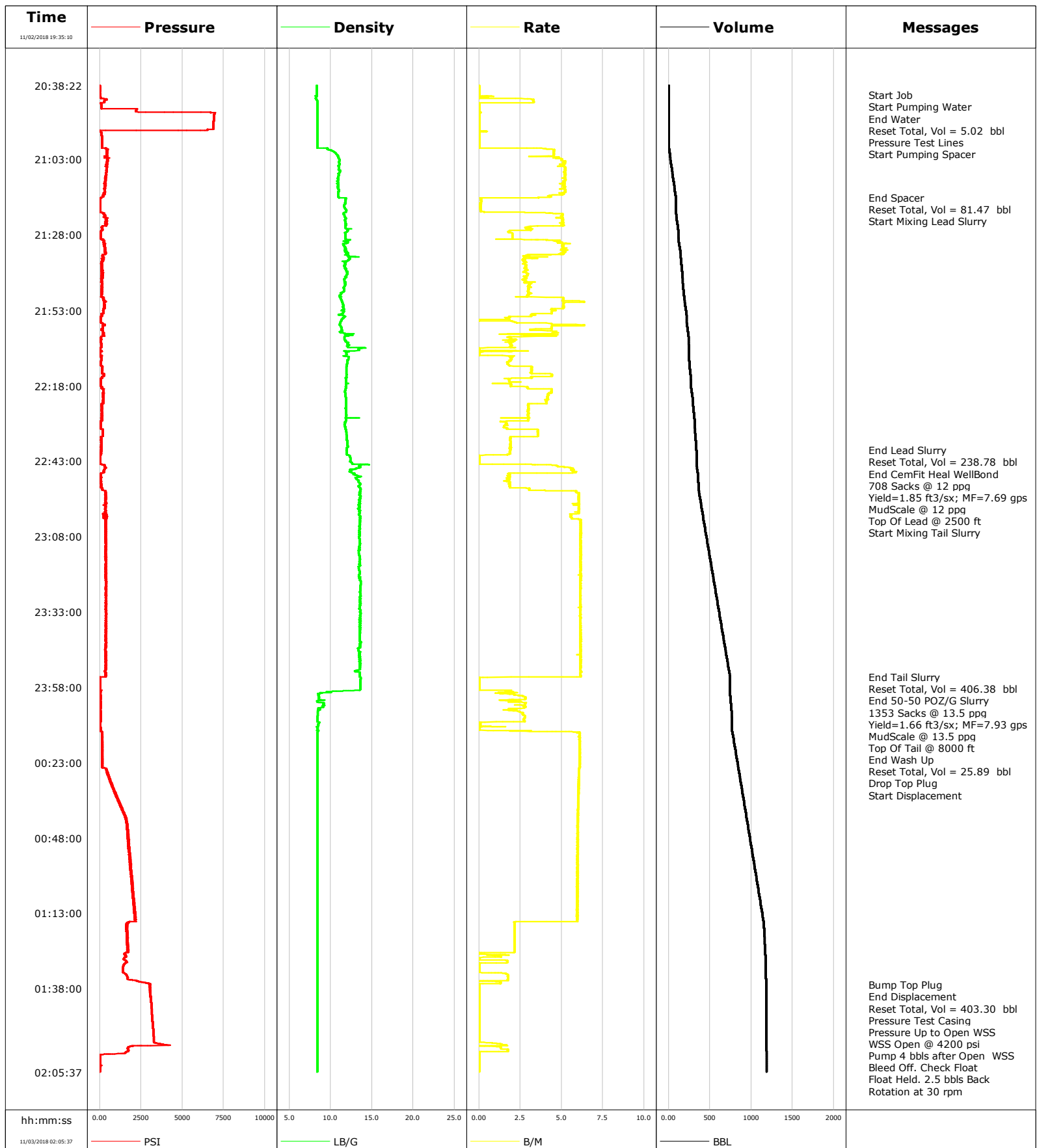


Well Castle Pines 19-1HZ
Field Wattenberg
Engineer
Country United States

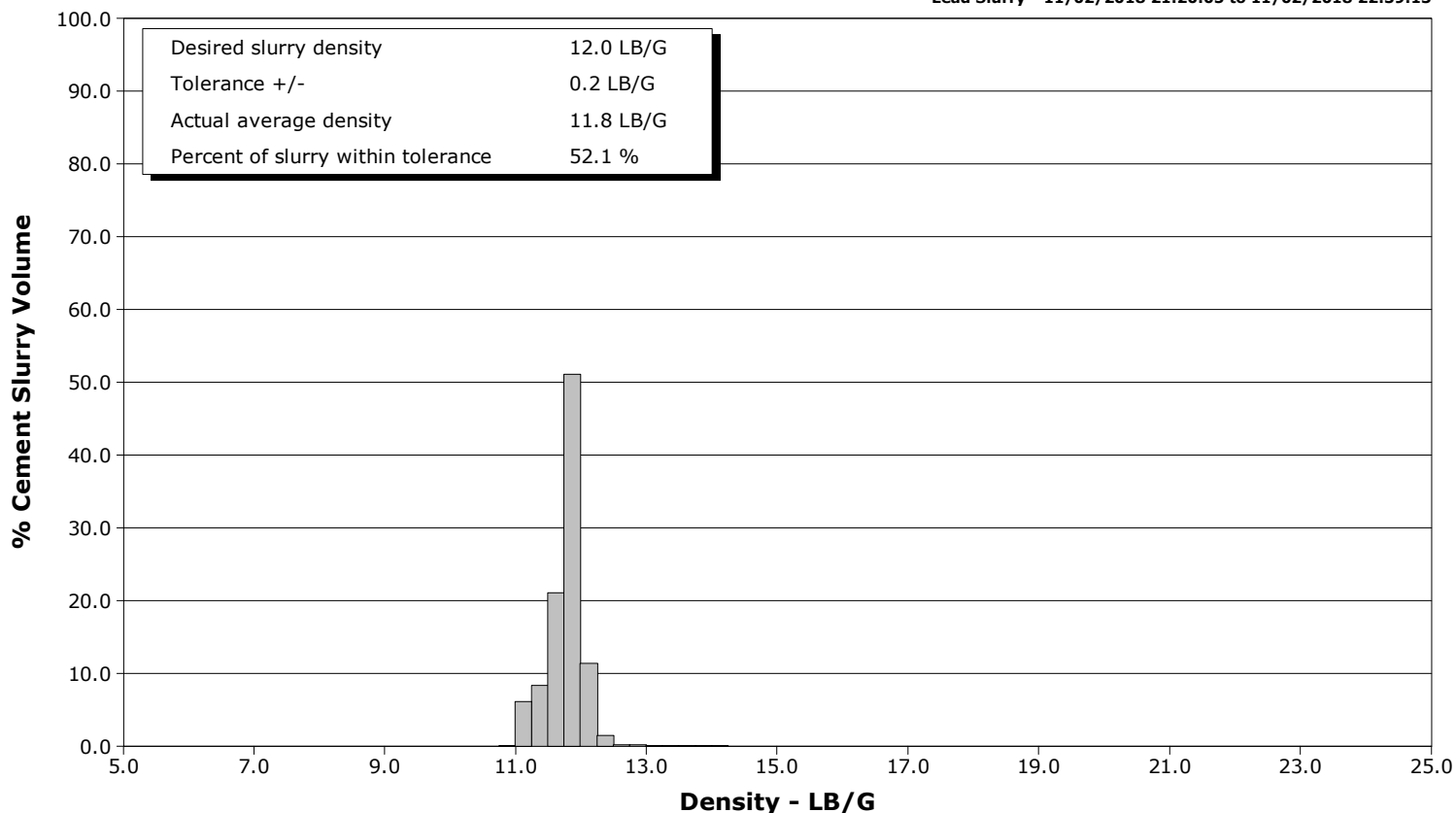
Client ANADARKO PETROLEUM COMPANY
SIR No. E6QA-00031
Job Type 5 1/2" Production
Job Date 11-2-2018



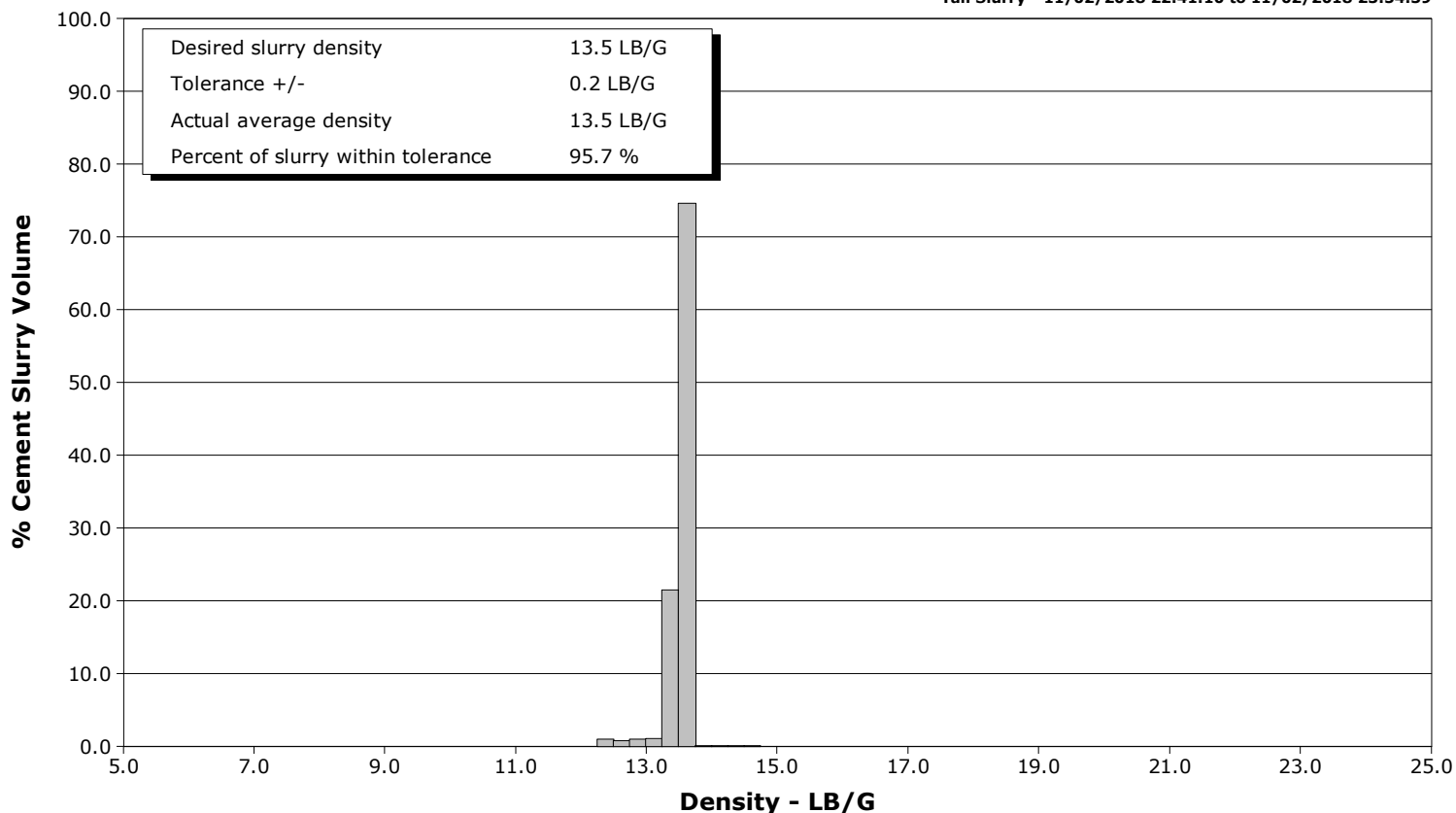
Well Castle Pines 19-1HZ
Field Wattenberg
Engineer
Country United States

Client ANADARKO PETROLEUM COMPANY
SIR No. E6QA-00031
Job Type 5 1/2" Production
Job Date 11-2-2018

Lead Slurry - 11/02/2018 21:20:05 to 11/02/2018 22:39:13



Tail Slurry - 11/02/2018 22:41:10 to 11/02/2018 23:54:39



Cementing Service Report

				Customer ANADARKO PETROLEUM COMPANY			Job Number E6QA-00031						
Well Castle Pines 19-1HZ 0631792032			Location (legal) 05123477190000			Schlumberger Location			Job Start Nov/02/2018				
Field Wattenberg		Formation Name/Type			Deviation deg		Bit Size 8.5 in		Well MD 17412.0 ft		Well TVD 7272.0 ft		
County		State/Province Colorado			BHP psi		BHST 230 degF		BHCT 230 degF		Pore Press. Gradient lb/gal		
Well Master 0631792032		API/UWI 05123477190000											
Rig Name		Drilled For Oil		Service Via Land		Casing/ Liner							
						Depth, ft		Size, in		Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		1915.0		9.6		36.0		J55	
						0.0		0.0		0.0			
Drilling Fluid Type OBM		Max. Density 9.30 lb/gal		Plastic Viscosity 12.000 cP		Tubing/Drill Pipe							
						T/D		Depth, ft		Size, in		Weight, lb/ft	
Service Line Cementing		Job Type 5 1/2" Production											
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 5 1/2" Liner Head		Perforations/Open Hole							
						Top, ft		Bottom, ft		shot/ft		No. of Shots	
						ft		ft					
						ft		ft				Diameter in	
						ft		ft					
						Treat Down Casing		Displacement 403.5 bbl		Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 404.5 bbl		Annular Vol. 608.0 bbl		Openhole Vol. 1142.0 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 17400.7 ft				Tool Type			
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type				Tool Depth ft			
Cement Head Type						Stage Tool Depth ft				Tail Pipe Size in			
Job Scheduled For Nov/02/2018 21:00		Arrived on Location Nov/02/2018 15:00		Leave Location Nov/03/2018 03:00		Collar Type Float				Tail Pipe Depth ft			
						Collar Depth 17391.2 ft				Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message							
11/02/2018	19:35:10	27	0.0	8.36	0.0								
11/02/2018	19:35:55	27	0.0	8.36	0.0								
11/02/2018	19:36:40	28	0.0	8.36	0.0								
11/02/2018	19:37:25	27	0.0	8.36	0.0								
11/02/2018	19:38:10	27	0.0	8.36	0.0								
11/02/2018	19:38:55	28	0.0	8.36	0.1								
11/02/2018	19:39:40	27	0.0	8.36	0.1								
11/02/2018	19:40:25	27	0.0	8.36	0.1								
11/02/2018	19:41:10	27	0.0	8.36	0.1								
11/02/2018	19:41:55	27	0.0	8.36	0.1								
11/02/2018	19:42:40	28	0.0	8.36	0.1								
11/02/2018	20:38:55	1	0.0	8.33	0.1								
11/02/2018	20:40:25	0	0.0	8.33	0.1								
11/02/2018	20:41:10	2	0.0	8.33	0.1								
11/02/2018	20:41:29	3	0.0	8.33	0.1	Start Job							
11/02/2018	20:41:55	11	0.4	8.33	0.1								
11/02/2018	20:42:34	66	0.0	8.25	0.3	Start Pumping Water							
11/02/2018	20:42:40	65	0.0	8.25	0.3								
11/02/2018	20:43:25	299	3.3	8.36	2.5								
11/02/2018	20:44:10	63	0.0	8.38	4.8								
11/02/2018	20:44:16	57	0.0	8.38	4.8	End Water							

Well Castle Pines 19-1HZ 0631792032			Field Wattenberg		Job Start Nov/02/2018		Customer ANADARKO PETROLEUM COMPANY		Job Number E6QA-00031	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
11/02/2018	20:44:55	109		0.0	8.37		4.8			
11/02/2018	20:45:39	117		0.0	8.37		4.8		Pressure Test Lines	
11/02/2018	20:46:25	2226		0.0	8.37		4.8			
11/02/2018	20:47:10	2198		0.0	8.36		4.8			
11/02/2018	20:47:55	6949		0.0	8.37		4.8			
11/02/2018	20:48:40	6933		0.0	8.37		4.8			
11/02/2018	20:49:25	6924		0.0	8.37		4.8			
11/02/2018	20:50:10	6917		0.0	8.37		4.8			
11/02/2018	20:50:55	6910		0.0	8.37		4.8			
11/02/2018	20:51:40	6905		0.0	8.37		4.8			
11/02/2018	20:52:25	6900		0.0	8.37		4.8			
11/02/2018	20:53:10	6539		0.0	8.37		4.8			
11/02/2018	20:53:55	104		0.0	8.37		5.0			
11/02/2018	20:54:40	116		0.0	8.37		5.0			
11/02/2018	20:55:25	123		0.0	8.37		5.0			
11/02/2018	20:56:10	128		0.0	8.37		5.0			
11/02/2018	20:56:55	133		0.0	8.37		5.0			
11/02/2018	20:57:40	135		0.0	8.37		5.0			
11/02/2018	20:58:25	135		0.0	8.37		5.0			
11/02/2018	20:58:46	135		0.0	8.37		5.0		Start Pumping Spacer	
11/02/2018	20:59:10	134		0.0	9.25		5.0			
11/02/2018	20:59:55	489		4.5	10.05		8.1			
11/02/2018	21:00:40	476		4.5	10.54		11.5			
11/02/2018	21:01:25	407		4.5	10.77		14.9			
11/02/2018	21:02:10	444		4.8	10.94		18.2			
11/02/2018	21:02:55	461		5.0	11.06		21.9			
11/02/2018	21:03:40	475		5.2	11.04		25.7			
11/02/2018	21:04:25	433		5.2	11.09		29.6			
11/02/2018	21:05:10	460		5.2	10.94		33.5			
11/02/2018	21:05:55	433		5.2	11.01		37.4			
11/02/2018	21:06:40	408		5.2	11.11		41.3			
11/02/2018	21:07:25	385		5.2	11.06		45.1			
11/02/2018	21:08:10	389		5.2	11.01		49.1			
11/02/2018	21:08:55	368		5.2	10.95		53.0			
11/02/2018	21:09:40	326		5.2	10.94		56.9			
11/02/2018	21:10:25	367		5.2	10.91		60.8			
11/02/2018	21:11:10	330		5.2	10.95		64.7			
11/02/2018	21:11:55	322		5.2	10.85		68.5			
11/02/2018	21:12:40	270		5.0	10.88		72.4			
11/02/2018	21:13:25	300		5.2	11.02		76.3			
11/02/2018	21:14:10	269		5.0	10.89		80.2			
11/02/2018	21:14:55	193		4.3	10.89		83.9			
11/02/2018	21:15:30	109		3.6	11.02		86.4		End Spacer	
11/02/2018	21:15:31	109		3.6	11.02		86.4		Reset Total, Vol = 81.47 bbl	
11/02/2018	21:15:40	109		3.6	11.02		87.0			
11/02/2018	21:16:25	17		0.1	11.82		87.2			
11/02/2018	21:17:10	18		0.1	11.78		87.3			
11/02/2018	21:17:55	19		0.1	11.67		87.4			
11/02/2018	21:18:40	21		0.1	11.61		87.5			
11/02/2018	21:19:25	21		0.1	11.81		87.5			
11/02/2018	21:20:05	21		0.1	11.88		87.6		Start Mixing Lead Slurry	
11/02/2018	21:20:10	22		0.1	11.86		87.6			
11/02/2018	21:20:55	227		4.9	11.54		89.6			
11/02/2018	21:21:40	302		5.0	11.66		93.3			

Well Castle Pines 19-1HZ 0631792032			Field Wattenberg		Job Start Nov/02/2018	Customer ANADARKO PETROLEUM COMPANY	Job Number E6QA-00031
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/02/2018	21:23:10	394	5.1	11.75	100.9		
11/02/2018	21:23:55	421	5.1	11.81	104.7		
11/02/2018	21:24:40	384	5.1	11.86	108.5		
11/02/2018	21:25:25	169	2.9	11.81	111.6		
11/02/2018	21:26:10	167	3.2	12.12	113.9		
11/02/2018	21:26:55	83	1.8	11.98	115.7		
11/02/2018	21:27:40	85	2.0	11.78	117.1		
11/02/2018	21:28:25	85	2.0	11.78	118.6		
11/02/2018	21:29:10	85	2.0	11.78	120.1		
11/02/2018	21:29:55	283	4.5	12.07	122.6		
11/02/2018	21:30:40	252	4.9	11.98	126.2		
11/02/2018	21:31:25	302	5.1	11.57	130.1		
11/02/2018	21:32:10	311	5.1	11.80	133.9		
11/02/2018	21:32:55	300	5.2	11.78	137.8		
11/02/2018	21:33:40	341	5.1	11.89	141.7		
11/02/2018	21:34:25	322	5.1	12.04	145.5		
11/02/2018	21:35:10	205	2.8	12.85	147.8		
11/02/2018	21:35:55	151	2.7	12.29	150.2		
11/02/2018	21:36:40	238	2.7	11.62	152.2		
11/02/2018	21:37:25	137	2.7	11.79	154.4		
11/02/2018	21:38:10	167	2.9	11.62	156.5		
11/02/2018	21:38:55	202	2.9	11.79	158.6		
11/02/2018	21:39:40	121	3.0	11.84	160.7		
11/02/2018	21:40:25	219	2.8	12.02	162.8		
11/02/2018	21:41:10	130	2.9	11.99	165.0		
11/02/2018	21:41:55	114	2.8	11.90	167.2		
11/02/2018	21:42:40	157	2.7	11.68	169.3		
11/02/2018	21:43:25	109	2.9	11.68	171.4		
11/02/2018	21:44:10	154	3.1	11.77	173.6		
11/02/2018	21:44:55	155	3.0	11.71	175.9		
11/02/2018	21:45:40	120	3.0	11.60	178.2		
11/02/2018	21:46:25	148	3.0	11.64	180.5		
11/02/2018	21:47:55	142	3.0	11.18	185.0		
11/02/2018	21:48:40	258	5.0	11.13	187.3		
11/02/2018	21:49:25	219	5.1	11.28	191.2		
11/02/2018	21:50:10	346	6.4	11.39	195.4		
11/02/2018	21:50:55	258	5.1	11.50	199.4		
11/02/2018	21:51:40	267	5.2	11.52	203.3		
11/02/2018	21:52:25	224	4.6	11.58	207.1		
11/02/2018	21:53:10	223	4.5	11.58	210.5		
11/02/2018	21:53:55	215	4.4	11.51	213.8		
11/02/2018	21:54:40	129	3.2	11.57	216.5		
11/02/2018	21:55:25	65	1.6	11.63	218.3		
11/02/2018	21:56:10	20	0.0	11.33	219.4		
11/02/2018	21:56:55	77	2.2	11.20	220.2		
11/02/2018	21:57:40	175	4.4	11.06	222.9		
11/02/2018	21:58:25	191	4.4	11.27	227.0		
11/02/2018	21:59:10	116	3.8	11.33	230.3		
11/02/2018	21:59:55	197	4.7	11.23	233.0		
11/02/2018	22:00:40	236	4.4	11.78	236.4		
11/02/2018	22:01:25	240	3.9	12.05	239.0		
11/02/2018	22:02:10	78	1.9	11.69	240.9		
11/02/2018	22:02:55	68	1.7	11.82	242.4		
11/02/2018	22:03:40	86	1.9	12.16	243.9		

Well			Field		Job Start	Customer	Job Number
Castle Pines 19-1HZ 0631792032			Wattenberg		Nov/02/2018	ANADARKO PETROLEUM COMPANY	E6QA-00031
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/02/2018	22:05:10	94	1.9	12.11	246.8		
11/02/2018	22:05:55	23	0.0	13.42	247.2		
11/02/2018	22:06:40	31	0.8	12.01	247.8		
11/02/2018	22:07:25	25	0.0	11.94	247.9		
11/02/2018	22:08:10	94	1.9	11.70	248.2		
11/02/2018	22:08:55	106	2.0	12.18	249.7		
11/02/2018	22:09:40	109	1.9	12.06	251.1		
11/02/2018	22:10:25	83	1.7	12.04	252.5		
11/02/2018	22:11:10	80	1.8	11.95	253.8		
11/02/2018	22:11:55	145	3.2	11.94	255.8		
11/02/2018	22:12:40	141	3.2	11.93	258.2		
11/02/2018	22:13:25	136	3.2	11.93	260.6		
11/02/2018	22:14:10	247	4.4	11.94	263.2		
11/02/2018	22:14:55	214	4.4	11.93	266.4		
11/02/2018	22:15:40	78	1.8	11.87	268.7		
11/02/2018	22:16:25	76	1.9	11.86	270.0		
11/02/2018	22:17:10	76	1.9	11.86	271.5		
11/02/2018	22:17:55	78	1.9	11.87	272.9		
11/02/2018	22:18:40	161	2.9	11.83	274.7		
11/02/2018	22:19:25	225	4.4	11.77	277.5		
11/02/2018	22:20:10	235	4.4	11.76	280.8		
11/02/2018	22:20:55	237	4.2	11.82	284.0		
11/02/2018	22:21:40	219	4.2	11.82	287.2		
11/02/2018	22:22:25	224	4.2	11.86	290.3		
11/02/2018	22:23:10	214	4.1	11.87	293.3		
11/02/2018	22:23:55	204	4.1	11.88	296.4		
11/02/2018	22:24:40	128	3.0	11.88	298.7		
11/02/2018	22:25:25	131	3.0	11.83	301.0		
11/02/2018	22:26:10	127	3.0	11.84	303.2		
11/02/2018	22:26:55	120	3.0	11.88	305.4		
11/02/2018	22:27:40	112	3.0	11.89	307.7		
11/02/2018	22:28:25	151	3.0	11.87	309.9		
11/02/2018	22:29:10	160	3.0	11.86	312.1		
11/02/2018	22:29:55	69	1.4	11.76	314.0		
11/02/2018	22:30:40	67	1.6	11.71	315.3		
11/02/2018	22:31:25	62	1.5	11.75	316.5		
11/02/2018	22:32:10	69	1.7	11.79	317.7		
11/02/2018	22:32:55	200	3.6	11.87	319.9		
11/02/2018	22:33:40	197	3.6	11.91	322.6		
11/02/2018	22:34:25	197	3.6	11.95	325.2		
11/02/2018	22:35:10	89	1.9	11.96	327.4		
11/02/2018	22:35:55	88	1.9	11.94	328.8		
11/02/2018	22:36:40	93	1.9	12.05	330.2		
11/02/2018	22:37:25	96	1.9	12.05	331.7		
11/02/2018	22:38:10	92	1.9	12.08	333.1		
11/02/2018	22:38:55	94	1.9	11.97	334.5		
11/02/2018	22:39:13	93	1.9	11.97	335.1	End Lead Slurry	
11/02/2018	22:39:14	90	1.9	11.97	335.1	Reset Total, Vol = 238.78 bbl	
11/02/2018	22:39:15	91	1.9	11.97	335.2	End CemFit Heal WellBond	
11/02/2018	22:39:16	94	1.9	11.96	335.2	708 Sacks @ 12 ppg	
11/02/2018	22:39:17	89	1.9	11.96	335.2	Yield=1.85 ft3/sx; MF=7.69 gps	
11/02/2018	22:39:18	93	1.9	11.95	335.3	MudScale @ 12 ppg	
11/02/2018	22:39:19	86	1.9	11.94	335.3	Top Of Lead @ 2500 ft	
11/02/2018	22:39:40	88	1.9	11.95	336.0		

Well			Field		Job Start		Customer		Job Number	
Castle Pines 19-1HZ 0631792032			Wattenberg		Nov/02/2018		ANADARKO PETROLEUM COMPANY		E6QA-00031	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/02/2018	22:41:10	21	0.0	12.28	338.4	Start Mixing Tail Slurry				
11/02/2018	22:41:55	23	0.0	12.38	338.4					
11/02/2018	22:42:40	23	0.0	12.39	338.4					
11/02/2018	22:43:25	24	0.0	12.52	338.4					
11/02/2018	22:44:10	171	3.4	14.69	338.8					
11/02/2018	22:44:55	297	5.2	13.48	342.2					
11/02/2018	22:45:40	286	5.6	12.90	346.4					
11/02/2018	22:46:25	245	5.8	12.38	350.6					
11/02/2018	22:47:10	74	1.8	12.88	354.1					
11/02/2018	22:47:55	66	1.8	13.27	355.5					
11/02/2018	22:49:25	64	1.7	13.40	358.2					
11/02/2018	22:50:10	90	1.8	13.48	359.5					
11/02/2018	22:50:55	93	1.9	13.54	360.9					
11/02/2018	22:51:40	81	1.9	13.49	362.3					
11/02/2018	22:52:25	159	3.0	13.65	364.4					
11/02/2018	22:53:10	329	5.9	13.59	367.9					
11/02/2018	22:53:55	351	6.1	13.57	372.4					
11/02/2018	22:54:40	371	6.0	13.63	376.9					
11/02/2018	22:55:25	381	6.1	13.61	381.5					
11/02/2018	22:56:10	357	6.1	13.54	386.0					
11/02/2018	22:56:55	362	6.1	13.50	390.5					
11/02/2018	22:57:40	336	6.1	13.46	395.0					
11/02/2018	22:58:25	359	6.1	13.53	399.6					
11/02/2018	22:59:10	340	6.0	13.52	404.1					
11/02/2018	22:59:55	352	6.0	13.51	408.7					
11/02/2018	23:00:40	209	5.5	13.43	413.1					
11/02/2018	23:01:25	322	5.6	13.58	417.3					
11/02/2018	23:02:10	394	6.0	13.59	421.5					
11/02/2018	23:02:55	351	6.1	13.58	426.1					
11/02/2018	23:03:40	389	6.2	13.53	430.7					
11/02/2018	23:04:25	385	6.1	13.51	435.4					
11/02/2018	23:05:10	377	6.2	13.51	440.0					
11/02/2018	23:05:55	372	6.2	13.47	444.6					
11/02/2018	23:06:40	356	6.2	13.49	449.2					
11/02/2018	23:07:25	373	6.2	13.48	453.9					
11/02/2018	23:08:10	346	6.2	13.47	458.5					
11/02/2018	23:08:55	372	6.2	13.51	463.1					
11/02/2018	23:09:40	372	6.2	13.55	467.7					
11/02/2018	23:10:25	382	6.1	13.57	472.3					
11/02/2018	23:11:10	385	6.1	13.49	477.0					
11/02/2018	23:11:55	344	6.1	13.48	481.6					
11/02/2018	23:12:40	395	6.2	13.39	486.2					
11/02/2018	23:13:25	348	6.2	13.40	490.9					
11/02/2018	23:14:10	367	6.2	13.48	495.5					
11/02/2018	23:14:55	403	6.2	13.51	500.1					
11/02/2018	23:15:40	379	6.1	13.53	504.7					
11/02/2018	23:16:25	393	6.2	13.50	509.4					
11/02/2018	23:17:10	360	6.2	13.48	514.0					
11/02/2018	23:17:55	392	6.1	13.44	518.6					
11/02/2018	23:18:40	369	6.2	13.43	523.2					
11/02/2018	23:19:25	415	6.2	13.51	527.9					
11/02/2018	23:20:10	389	6.2	13.51	532.5					
11/02/2018	23:20:55	362	6.1	13.46	537.1					
11/02/2018	23:21:40	384	6.2	13.48	541.7					

Well Castle Pines 19-1HZ 0631792032			Field Wattenberg		Job Start Nov/02/2018		Customer ANADARKO PETROLEUM COMPANY		Job Number E6QA-00031	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
11/02/2018	23:23:10	383		6.2	13.66		551.0			
11/02/2018	23:23:55	383		6.2	13.64		555.6			
11/02/2018	23:24:40	405		6.2	13.60		560.2			
11/02/2018	23:25:25	404		6.1	13.59		564.8			
11/02/2018	23:26:10	376		6.1	13.59		569.4			
11/02/2018	23:26:55	393		6.2	13.61		574.1			
11/02/2018	23:27:40	384		6.2	13.65		578.7			
11/02/2018	23:28:25	383		6.2	13.57		583.3			
11/02/2018	23:29:10	370		6.2	13.54		587.9			
11/02/2018	23:29:55	389		6.2	13.55		592.5			
11/02/2018	23:30:40	389		6.1	13.55		597.1			
11/02/2018	23:31:25	389		6.2	13.53		601.8			
11/02/2018	23:32:10	364		6.2	13.52		606.4			
11/02/2018	23:32:55	388		6.2	13.56		611.0			
11/02/2018	23:33:40	370		6.2	13.63		615.6			
11/02/2018	23:34:25	395		6.2	13.60		620.2			
11/02/2018	23:35:10	375		6.2	13.58		624.8			
11/02/2018	23:35:55	371		6.2	13.58		629.5			
11/02/2018	23:36:40	375		6.2	13.58		634.1			
11/02/2018	23:37:25	380		6.1	13.56		638.7			
11/02/2018	23:38:55	382		6.2	13.59		647.9			
11/02/2018	23:39:40	369		6.2	13.53		652.6			
11/02/2018	23:40:25	397		6.2	13.52		657.2			
11/02/2018	23:41:10	368		6.1	13.55		661.8			
11/02/2018	23:41:55	345		6.2	13.55		666.4			
11/02/2018	23:42:40	362		6.1	13.52		671.0			
11/02/2018	23:43:25	376		6.1	13.58		675.7			
11/02/2018	23:44:10	367		6.1	13.54		680.3			
11/02/2018	23:44:55	366		6.2	13.56		684.9			
11/02/2018	23:45:40	333		6.2	13.36		689.5			
11/02/2018	23:46:25	391		6.2	13.53		694.1			
11/02/2018	23:47:10	366		6.0	13.49		698.8			
11/02/2018	23:47:55	375		6.2	13.57		703.4			
11/02/2018	23:48:40	365		6.2	13.50		708.0			
11/02/2018	23:49:25	344		6.1	13.49		712.6			
11/02/2018	23:50:10	387		6.2	13.64		717.2			
11/02/2018	23:50:55	367		6.1	13.58		721.9			
11/02/2018	23:51:40	392		6.2	13.54		726.5			
11/02/2018	23:52:25	338		6.2	13.22		731.1			
11/02/2018	23:53:10	374		6.1	13.52		735.7			
11/02/2018	23:53:55	395		6.2	13.52		740.3			
11/02/2018	23:54:39	28		2.0	13.68		744.8		End Tail Slurry	
11/02/2018	23:54:40	28		0.5	13.67		744.8		Reset Total, Vol = 406.38 bbl	
11/02/2018	23:54:41	28		0.3	13.66		744.8		End 50-50 POZ/G Slurry	
11/02/2018	23:54:42	28		0.1	13.65		744.8		1353 Sacks @ 13.5 ppg	
11/02/2018	23:54:43	28		0.0	13.65		744.8		Yield=1.66 ft3/sx; MF=7.93 gps	
11/02/2018	23:54:44	28		0.0	13.65		744.8		MudScale @ 13.5 ppg	
11/02/2018	23:54:45	27		0.0	13.64		744.8		Top Of Tail @ 8000 ft	
11/02/2018	23:55:25	23		0.0	13.62		744.8			
11/02/2018	23:56:10	23		0.0	13.62		744.8			
11/02/2018	23:56:55	24		0.0	13.62		744.8			
11/02/2018	23:57:40	24		0.0	13.62		744.8			
11/02/2018	23:58:25	24		0.0	13.62		744.8			
11/02/2018	23:59:10	82		1.7	11.95		745.2			

Well			Field		Job Start	Customer	Job Number
Castle Pines 19-1HZ 0631792032			Wattenberg		Nov/02/2018	ANADARKO PETROLEUM COMPANY	E6QA-00031
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/03/2018	00:00:40	62	2.2	8.55	747.9		
11/03/2018	00:01:25	64	2.8	8.59	749.9		
11/03/2018	00:02:10	25	1.6	8.90	751.9		
11/03/2018	00:02:55	61	2.4	8.38	753.4		
11/03/2018	00:03:40	67	2.8	9.10	755.5		
11/03/2018	00:04:25	68	2.8	9.10	757.6		
11/03/2018	00:05:10	29	1.8	8.62	759.5		
11/03/2018	00:06:31	60	2.7	8.43	762.5	End Wash Up	
11/03/2018	00:06:32	60	2.7	8.43	762.6	Reset Total, Vol = 25.89 bbl	
11/03/2018	00:06:40	60	2.7	8.43	762.9		
11/03/2018	00:07:25	63	2.8	8.42	765.0		
11/03/2018	00:07:35	62	2.8	8.41	765.4	Drop Top Plug	
11/03/2018	00:08:10	60	2.8	8.39	767.0		
11/03/2018	00:08:55	62	2.7	8.38	769.1		
11/03/2018	00:09:16	61	2.8	8.38	770.1	Start Displacement	
11/03/2018	00:09:40	11	0.0	8.64	770.7		
11/03/2018	00:10:25	12	0.1	8.51	770.7		
11/03/2018	00:11:10	43	0.0	8.38	770.9		
11/03/2018	00:11:55	76	0.0	8.41	770.9		
11/03/2018	00:12:40	118	4.5	8.46	771.9		
11/03/2018	00:13:25	151	6.1	8.40	776.3		
11/03/2018	00:14:10	138	6.1	8.40	780.9		
11/03/2018	00:14:55	138	6.1	8.40	785.5		
11/03/2018	00:15:40	157	6.1	8.40	790.1		
11/03/2018	00:16:25	148	6.1	8.38	794.6		
11/03/2018	00:17:10	163	6.1	8.38	799.2		
11/03/2018	00:17:55	151	6.1	8.38	803.8		
11/03/2018	00:18:40	150	6.1	8.38	808.4		
11/03/2018	00:19:25	172	6.1	8.37	813.0		
11/03/2018	00:20:10	178	6.1	8.37	817.6		
11/03/2018	00:20:55	154	6.1	8.37	822.1		
11/03/2018	00:21:40	157	6.1	8.37	826.7		
11/03/2018	00:22:25	172	6.1	8.37	831.3		
11/03/2018	00:23:10	153	6.1	8.37	835.9		
11/03/2018	00:23:55	171	6.1	8.37	840.5		
11/03/2018	00:24:40	154	6.1	8.37	845.0		
11/03/2018	00:25:25	386	6.1	8.37	849.6		
11/03/2018	00:26:10	429	6.1	8.37	854.2		
11/03/2018	00:26:55	499	6.1	8.37	858.7		
11/03/2018	00:27:40	563	6.1	8.37	863.2		
11/03/2018	00:28:25	578	6.1	8.37	867.8		
11/03/2018	00:29:10	683	6.1	8.37	872.3		
11/03/2018	00:29:55	692	6.1	8.37	876.9		
11/03/2018	00:30:40	793	6.1	8.37	881.4		
11/03/2018	00:31:25	841	6.1	8.37	886.0		
11/03/2018	00:32:10	901	6.0	8.37	890.5		
11/03/2018	00:32:55	901	6.0	8.37	895.0		
11/03/2018	00:33:40	1005	6.0	8.37	899.5		
11/03/2018	00:34:25	1083	6.0	8.37	904.1		
11/03/2018	00:35:10	1107	6.0	8.37	908.6		
11/03/2018	00:35:55	1168	6.0	8.37	913.1		
11/03/2018	00:36:40	1188	6.0	8.37	917.6		
11/03/2018	00:37:25	1283	6.0	8.37	922.1		
11/03/2018	00:38:10	1354	6.0	8.37	926.6		

Well			Field		Job Start	Customer	Job Number
Castle Pines 19-1HZ 0631792032			Wattenberg		Nov/02/2018	ANADARKO PETROLEUM COMPANY	E6QA-00031
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/03/2018	00:39:40	1436	6.0	8.37	935.6		
11/03/2018	00:40:25	1485	6.0	8.37	940.1		
11/03/2018	00:41:10	1612	6.0	8.37	944.6		
11/03/2018	00:41:55	1638	6.0	8.37	949.1		
11/03/2018	00:42:40	1665	6.0	8.37	953.6		
11/03/2018	00:43:25	1639	6.0	8.37	958.1		
11/03/2018	00:44:10	1689	6.0	8.37	962.6		
11/03/2018	00:44:55	1656	6.0	8.37	967.1		
11/03/2018	00:45:40	1711	6.0	8.37	971.6		
11/03/2018	00:46:25	1681	6.0	8.37	976.1		
11/03/2018	00:47:10	1687	6.0	8.37	980.6		
11/03/2018	00:47:55	1696	6.0	8.37	985.1		
11/03/2018	00:48:40	1745	6.0	8.37	989.6		
11/03/2018	00:49:25	1784	6.0	8.37	994.1		
11/03/2018	00:50:10	1719	6.0	8.37	998.5		
11/03/2018	00:50:55	1766	6.0	8.37	1003.0		
11/03/2018	00:51:40	1794	6.0	8.37	1007.5		
11/03/2018	00:52:25	1829	6.0	8.37	1012.0		
11/03/2018	00:53:10	1814	6.0	8.37	1016.5		
11/03/2018	00:53:55	1853	6.0	8.37	1021.0		
11/03/2018	00:54:40	1788	6.0	8.37	1025.5		
11/03/2018	00:55:25	1837	6.0	8.37	1029.8		
11/03/2018	00:56:10	1885	6.0	8.37	1034.4		
11/03/2018	00:56:55	1894	6.0	8.37	1038.9		
11/03/2018	00:57:40	1843	6.0	8.37	1043.4		
11/03/2018	00:58:25	1870	6.0	8.37	1047.9		
11/03/2018	00:59:10	1920	6.0	8.37	1052.4		
11/03/2018	00:59:55	1894	6.0	8.37	1056.8		
11/03/2018	01:00:40	1959	6.0	8.37	1061.3		
11/03/2018	01:01:25	1907	6.0	8.37	1065.8		
11/03/2018	01:02:10	1965	5.9	8.37	1070.3		
11/03/2018	01:02:55	1940	5.9	8.37	1074.8		
11/03/2018	01:03:40	2014	6.0	8.37	1079.2		
11/03/2018	01:04:25	1998	6.0	8.37	1083.7		
11/03/2018	01:05:10	1959	6.0	8.37	1088.2		
11/03/2018	01:05:55	2051	6.0	8.37	1092.7		
11/03/2018	01:06:40	2035	6.0	8.37	1097.2		
11/03/2018	01:07:25	2033	6.0	8.37	1101.6		
11/03/2018	01:08:10	2014	6.0	8.37	1106.1		
11/03/2018	01:08:55	2053	6.0	8.37	1110.6		
11/03/2018	01:09:40	2051	6.0	8.37	1115.1		
11/03/2018	01:10:25	2101	6.0	8.37	1119.5		
11/03/2018	01:11:10	2156	6.0	8.37	1124.0		
11/03/2018	01:11:55	2071	5.9	8.37	1128.5		
11/03/2018	01:12:40	2093	5.9	8.37	1132.9		
11/03/2018	01:13:25	2158	6.0	8.37	1137.4		
11/03/2018	01:14:10	2194	6.0	8.37	1141.9		
11/03/2018	01:14:55	2156	6.0	8.37	1146.4		
11/03/2018	01:15:40	2204	6.0	8.37	1150.8		
11/03/2018	01:16:25	1707	2.2	8.37	1152.7		
11/03/2018	01:17:10	1651	2.1	8.37	1154.3		
11/03/2018	01:17:55	1641	2.2	8.37	1155.9		
11/03/2018	01:18:40	1628	2.2	8.37	1157.5		
11/03/2018	01:19:25	1695	2.2	8.37	1159.1		

Well			Field		Job Start	Customer	Job Number
Castle Pines 19-1HZ 0631792032			Wattenberg		Nov/02/2018	ANADARKO PETROLEUM COMPANY	E6QA-00031
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/03/2018	01:20:55	1720	2.2	8.37	1162.4		
11/03/2018	01:21:40	1656	2.2	8.37	1164.0		
11/03/2018	01:22:25	1667	2.2	8.37	1165.6		
11/03/2018	01:23:55	1723	2.2	8.37	1168.9		
11/03/2018	01:24:40	1651	2.2	8.37	1170.5		
11/03/2018	01:25:25	1761	2.2	8.37	1172.1		
11/03/2018	01:26:10	1551	0.0	8.37	1173.4		
11/03/2018	01:26:55	1546	0.8	8.37	1173.8		
11/03/2018	01:27:40	1495	0.0	8.37	1174.6		
11/03/2018	01:28:25	1514	1.2	8.37	1174.6		
11/03/2018	01:29:10	1653	1.7	8.37	1175.9		
11/03/2018	01:29:55	1476	0.0	8.37	1176.3		
11/03/2018	01:30:40	1423	0.0	8.37	1176.3		
11/03/2018	01:31:25	1401	0.0	8.37	1176.3		
11/03/2018	01:32:10	1387	0.0	8.37	1176.3		
11/03/2018	01:32:55	1524	1.6	8.37	1176.7		
11/03/2018	01:33:40	1645	1.8	8.37	1178.0		
11/03/2018	01:34:25	1701	1.7	8.37	1179.3		
11/03/2018	01:35:10	2103	1.7	8.37	1180.6		
11/03/2018	01:35:55	2717	1.3	8.37	1181.4		
11/03/2018	01:36:35	3021	0.0	8.37	1182.0	Bump Top Plug	
11/03/2018	01:36:36	3031	0.0	8.37	1182.0	End Displacement	
11/03/2018	01:36:37	3057	0.0	8.37	1182.0	Reset Total, Vol = 403.30 bbl	
11/03/2018	01:36:40	3005	0.0	8.37	1182.0		
11/03/2018	01:37:25	3024	0.0	8.37	1182.0		
11/03/2018	01:38:10	3039	0.0	8.37	1182.0		
11/03/2018	01:38:33	3061	0.0	8.37	1182.0	Pressure Test Casing	
11/03/2018	01:38:55	3060	0.0	8.37	1182.0		
11/03/2018	01:39:40	3075	0.0	8.37	1182.0		
11/03/2018	01:40:25	3085	0.0	8.37	1182.0		
11/03/2018	01:41:10	3090	0.0	8.37	1182.0		
11/03/2018	01:41:55	3103	0.0	8.37	1182.0		
11/03/2018	01:42:40	3116	0.0	8.37	1182.0		
11/03/2018	01:43:25	3128	0.0	8.37	1182.0		
11/03/2018	01:44:10	3140	0.0	8.37	1182.0		
11/03/2018	01:44:55	3150	0.0	8.37	1182.0		
11/03/2018	01:45:40	3160	0.0	8.37	1182.0		
11/03/2018	01:46:25	3170	0.0	8.37	1182.0		
11/03/2018	01:47:10	3180	0.0	8.37	1182.0		
11/03/2018	01:47:55	3191	0.0	8.37	1182.0		
11/03/2018	01:48:40	3201	0.0	8.37	1182.0		
11/03/2018	01:49:25	3210	0.0	8.37	1182.0		
11/03/2018	01:50:10	3220	0.0	8.37	1182.0		
11/03/2018	01:50:55	3229	0.0	8.37	1182.0		
11/03/2018	01:51:28	3236	0.0	8.37	1182.1	Pressure Up to Open WSS	
11/03/2018	01:51:40	3239	0.0	8.37	1182.1		
11/03/2018	01:52:18	3247	0.0	8.37	1182.1	WSS Open @ 4200 psi	
11/03/2018	01:52:25	3248	0.0	8.37	1182.1		
11/03/2018	01:52:44	3252	0.0	8.37	1182.1	Pump 4 bbls after Open WSS	
11/03/2018	01:53:10	3258	0.0	8.37	1182.1		
11/03/2018	01:53:55	3267	0.0	8.37	1182.1		
11/03/2018	01:54:40	3276	0.0	8.37	1182.1		
11/03/2018	01:55:20	3285	0.0	8.36	1182.1	Bleed Off. Check Float	
11/03/2018	01:55:25	3287	0.0	8.36	1182.1		

Well			Field		Job Start		Customer		Job Number	
Castle Pines 19-1HZ 0631792032			Wattenberg		Nov/02/2018		ANADARKO PETROLEUM COMPANY		E6QA-00031	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/03/2018	01:56:55	2084	0.0	8.37	1183.4					
11/03/2018	01:57:14	1775	1.3	8.37	1183.6	Float Held. 2.5 bbls Back				
11/03/2018	01:57:40	1688	1.3	8.37	1184.2					
11/03/2018	01:58:25	1752	1.7	8.37	1185.4					
11/03/2018	01:58:55	1639	0.0	8.37	1186.2	Rotation at 30 rpm				
11/03/2018	01:58:56	1638	0.0	8.37	1186.2	Rotation Stops on last 20bb of				
11/03/2018	01:59:10	1561	0.0	8.37	1186.2					
11/03/2018	01:59:55	25	0.0	8.37	1186.2					
11/03/2018	02:00:11	21	0.0	8.37	1186.2	End Job				
11/03/2018	02:00:40	21	0.0	8.37	1186.2					
11/03/2018	02:01:25	20	0.0	8.37	1186.2					
11/03/2018	02:02:10	20	0.0	8.37	1186.2					
11/03/2018	02:02:55	20	0.0	8.37	1186.2					
11/03/2018	02:03:40	18	0.0	8.37	1186.2					
11/03/2018	02:04:25	17	0.0	8.37	1186.2					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 645.2	Mud	Spacer 81.5	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 6949	Final 1800	Average 1100	Bump Plug to 3000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 633.0 bbl		Displacement 403.3 bbl	Mix Water Temp 56 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative John Truett / James Adkins			Schlumberger Supervisor			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	