

Well HILGERS13N-22HZ
Field Wattenberg
Engineer Wence Luste
Country United States

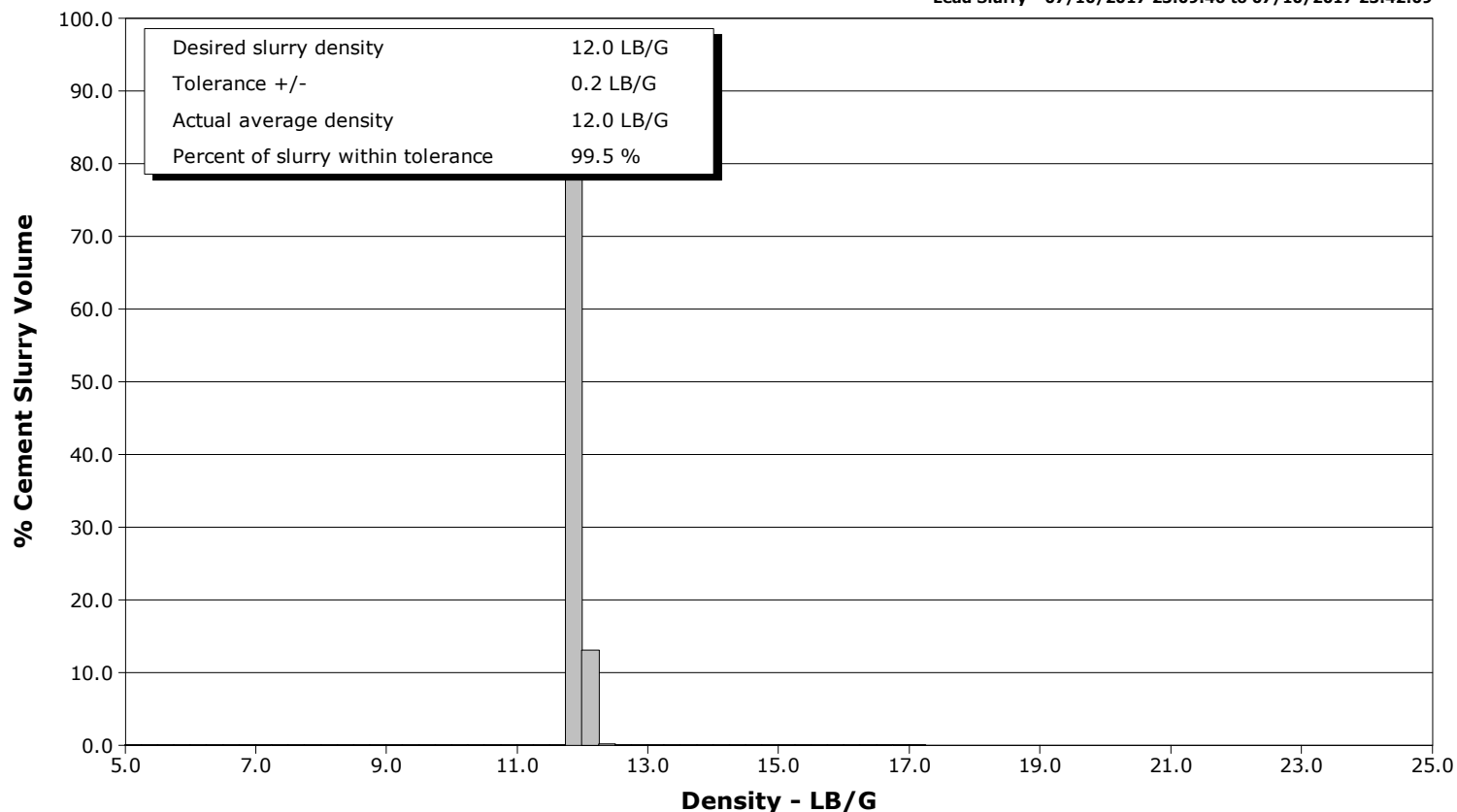
Client ANADARKO PETROLEUM COMPANY (ED)
SIR No. D8WD-00359
Job Type 5 1/2" Production
Job Date 07-10-2017



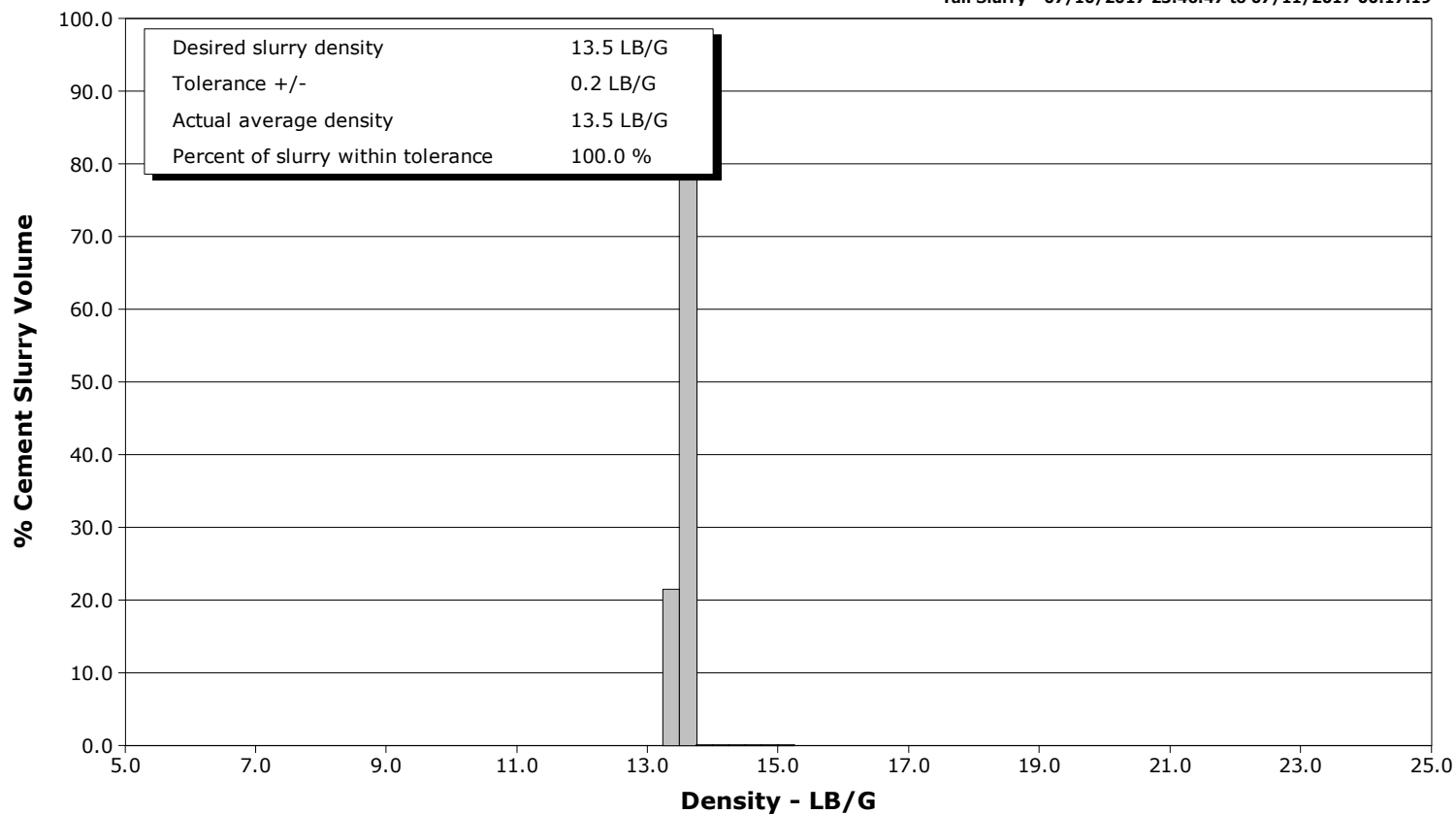
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Client ANADARKO PETROLEUM COMPANY (ED)
SIR No. D8WD-00359
Job Type 5 1/2" Production
Job Date 07-10-2017

Lead Slurry - 07/10/2017 23:09:46 to 07/10/2017 23:42:09



Tail Slurry - 07/10/2017 23:46:47 to 07/11/2017 00:17:19



Cementing Service Report

				Customer ANADARKO PETROLEUM COMPANY (ED)			Job Number D8WD-00359			
Well HILGERS13N-22HZ 0631684940			Location (legal) 05123433110000			Schlumberger Location		Job Start Jul/10/2017		
Field Wattenberg		Formation Name/Type		Deviation deg	Bit Size 7.9 in	Well MD 12375.0 ft		Well TVD 7184.0 ft		
County		State/Province Colorado		BHP psi	BHST 225 degF	BHCT 218 degF	Pore Press. Gradient lb/gal			
Well Master 0631684940		API/UWI 05123433110000								
Rig Name Xtreme 24	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		1883.0	9.6	36.0	J55			
				12365.9	5.5	17.0	P110			
Drilling Fluid Type OBM		Max. Density 9.00 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 1/2" Production									
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection 5 1/2" C_Head		Perforations/Open Hole						
				Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft		
Service Instructions Perform job as per proposal				ft	ft			Diameter in		
				ft	ft					
				ft	ft					
				Treat Down Casing		Displacement 285.4 bbl		Packer Type		Packer Depth ft
				Tubing Vol. bbl		Casing Vol. 287.4 bbl		Annular Vol. 414.0 bbl		Openhole Vol. 733.0 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 8848 psi				Shoe Type Float			Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 12365.9 ft			Tool Type			
No. Centralizers		Top Plugs 1	Bottom Plugs 1	Stage Tool Type			Tool Depth ft			
Cement Head Type Double				Stage Tool Depth ft			Tail Pipe Size in			
Job Scheduled For Jul/10/2017 22:00		Arrived on Location Jul/10/2017 19:15		Leave Location Jul/11/2017 03:00		Collar Type Float				
						Collar Depth 12277.6 ft				
						Sqz. Total Vol. bbl				
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message				
07/10/2017	22:04:47	-3	8.49	0.0	0.0	Stopped Acquisition				
07/10/2017	22:04:49	-3	8.49	0.0	0.0	Start Job				
07/10/2017	22:05:22	-3	8.49	0.0	0.0					
07/10/2017	22:05:57	-3	8.49	0.0	0.0					
07/10/2017	22:06:32	-3	8.49	0.0	0.0					
07/10/2017	22:07:07	-3	8.49	0.0	0.0					
07/10/2017	22:07:42	-3	8.49	0.0	0.0					
07/10/2017	22:08:17	-3	8.49	0.0	0.0					
07/10/2017	22:08:52	-3	8.49	0.0	0.0					
07/10/2017	22:09:27	-3	8.49	0.0	0.0					
07/10/2017	22:10:02	-3	8.49	0.0	0.0					
07/10/2017	22:10:37	-3	8.49	0.0	0.0					
07/10/2017	22:11:12	-3	8.49	0.0	0.0					
07/10/2017	22:11:47	-3	8.49	0.0	0.0					
07/10/2017	22:12:22	-3	8.49	0.0	0.0					
07/10/2017	22:12:57	-3	8.49	0.0	0.0					
07/10/2017	22:13:32	-3	8.49	0.0	0.0					
07/10/2017	22:14:07	-3	8.49	0.0	0.0					
07/10/2017	22:14:42	-3	8.49	0.0	0.0					
07/10/2017	22:15:17	-3	8.49	0.0	0.0					
07/10/2017	22:15:52	-3	8.49	0.0	0.0					

Well			Field	Job Start		Customer	Job Number
HILGERS13N-22HZ 0631684940			Wattenberg	Jul/10/2017		ANADARKO PETROLEUM COMPANY (ED	D8WD-00359
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message	
07/10/2017	22:17:02	-3	8.49	0.0	0.0		
07/10/2017	22:17:37	-3	8.49	0.0	0.0		
07/10/2017	22:18:12	-3	8.49	0.0	0.0		
07/10/2017	22:18:47	-3	8.49	0.0	0.0		
07/10/2017	22:19:22	-0	8.49	0.0	0.0		
07/10/2017	22:19:57	-1	8.49	0.0	0.0		
07/10/2017	22:20:32	-1	8.49	0.0	0.0		
07/10/2017	22:21:07	-1	8.49	0.0	0.0		
07/10/2017	22:21:42	-1	8.49	0.0	0.0		
07/10/2017	22:22:17	-1	8.49	0.0	0.0		
07/10/2017	22:22:52	-0	8.49	0.0	0.0		
07/10/2017	22:23:27	1	8.49	0.0	0.0		
07/10/2017	22:24:02	58	8.48	0.0	0.4		
07/10/2017	22:24:12	153	8.47	1.2	0.4	Pressure Test Line Lo	
07/10/2017	22:24:37	118	8.48	0.0	0.7		
07/10/2017	22:25:12	361	8.46	2.6	1.8		
07/10/2017	22:25:47	397	8.45	4.0	4.1		
07/10/2017	22:26:22	77	8.45	0.0	0.0		
07/10/2017	22:26:57	79	8.45	0.0	0.0		
07/10/2017	22:27:32	78	8.45	0.0	0.0		
07/10/2017	22:28:07	936	8.45	0.0	0.0		
07/10/2017	22:28:42	904	8.45	0.0	0.0		
07/10/2017	22:28:46	903	8.45	0.0	0.0	Pressure Test Line Hi	
07/10/2017	22:29:17	4827	8.45	0.0	0.0		
07/10/2017	22:29:52	4761	8.45	0.0	0.0		
07/10/2017	22:30:27	4752	8.45	0.0	0.0		
07/10/2017	22:31:02	4747	8.45	0.0	0.0		
07/10/2017	22:31:37	4744	8.46	0.0	0.0		
07/10/2017	22:32:12	76	8.45	0.0	0.0	End Water Total, Vol = 5.39 bbl	
07/10/2017	22:32:47	76	8.45	0.0	0.0		
07/10/2017	22:33:22	80	8.45	0.0	0.0		
07/10/2017	22:33:57	83	8.45	0.0	0.0		
07/10/2017	22:34:32	86	8.46	0.0	0.0		
07/10/2017	22:35:07	90	8.47	0.0	0.0		
07/10/2017	22:35:42	93	8.48	0.0	0.0		
07/10/2017	22:36:17	96	8.50	0.0	0.0		
07/10/2017	22:36:52	98	8.52	0.0	0.0		
07/10/2017	22:37:27	101	9.04	0.0	0.0		
07/10/2017	22:38:02	102	9.65	0.0	0.0		
07/10/2017	22:38:19	302	10.03	2.0	0.1	Start Pumping Spacer	
07/10/2017	22:38:37	471	10.42	2.9	0.8		
07/10/2017	22:39:12	457	10.44	3.9	3.1		
07/10/2017	22:39:47	389	10.49	3.9	5.4		
07/10/2017	22:40:22	413	10.44	3.9	7.6		
07/10/2017	22:40:57	426	10.37	4.0	9.9		
07/10/2017	22:41:32	341	10.09	4.1	12.3		
07/10/2017	22:42:07	402	17.40	2.3	12.7		
07/10/2017	22:42:42	251	10.44	2.3	14.3		
07/10/2017	22:43:17	286	10.63	2.3	15.7		
07/10/2017	22:43:52	262	11.60	2.6	17.1		
07/10/2017	22:44:27	90	10.86	0.1	17.7		
07/10/2017	22:45:02	78	11.01	0.0	17.7		
07/10/2017	22:45:37	78	10.99	0.0	17.7		
07/10/2017	22:46:12	78	11.10	0.0	17.7		

Well HILGERS13N-22HZ 0631684940			Field Wattenberg		Job Start Jul/10/2017		Customer ANADARKO PETROLEUM COMPANY (ED		Job Number D8WD-00359	
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message				
07/10/2017	22:47:22	318	10.54	2.4	18.3					
07/10/2017	22:47:57	366	10.67	3.7	19.7					
07/10/2017	22:48:32	377	10.76	3.9	22.0					
07/10/2017	22:49:07	379	10.83	3.9	24.3					
07/10/2017	22:49:42	350	10.88	3.9	26.6					
07/10/2017	22:50:17	339	10.86	3.9	28.9					
07/10/2017	22:50:52	361	10.86	4.0	31.2					
07/10/2017	22:51:27	327	10.89	3.9	33.5					
07/10/2017	22:52:02	339	10.92	3.9	35.7					
07/10/2017	22:52:37	342	10.95	3.9	38.0					
07/10/2017	22:53:12	321	10.98	3.9	40.3					
07/10/2017	22:53:47	298	10.88	3.9	42.6					
07/10/2017	22:54:22	304	10.80	4.0	44.9					
07/10/2017	22:54:57	244	10.90	3.9	47.2					
07/10/2017	22:55:32	299	10.94	3.9	49.5					
07/10/2017	22:56:07	474	10.81	6.4	52.5					
07/10/2017	22:56:42	438	10.78	6.3	56.2					
07/10/2017	22:57:17	410	10.14	6.5	59.9					
07/10/2017	22:57:52	295	10.47	5.0	63.6					
07/10/2017	22:58:27	280	10.60	5.1	66.5					
07/10/2017	22:59:02	246	10.50	5.5	69.5					
07/10/2017	22:59:37	41	25.00	0.0	71.8					
07/10/2017	23:00:12	299	11.79	4.6	72.4					
07/10/2017	23:00:47	313	11.00	5.0	75.3					
07/10/2017	23:01:22	-4	25.00	0.0	76.4					
07/10/2017	23:01:57	1	11.65	0.0	0.0					
07/10/2017	23:02:32	3	11.62	0.0	0.0					
07/10/2017	23:03:07	3	11.37	0.0	0.0					
07/10/2017	23:03:16	3	11.34	0.0	0.0	End Spacer				
07/10/2017	23:03:19	3	11.33	0.0	0.0	Reset Total, Vol = 76.46 bbl				
07/10/2017	23:03:21	3	11.32	0.0	0.0	End 10.9 ppg CemPrime Scrubb				
07/10/2017	23:03:27	3	11.31	0.0	0.0	Drop Bottom Plug				
07/10/2017	23:03:42	3	11.22	0.0	0.0					
07/10/2017	23:04:17	3	11.20	0.0	0.0					
07/10/2017	23:04:52	3	11.25	0.0	0.0					
07/10/2017	23:05:27	3	11.86	0.0	0.7					
07/10/2017	23:06:02	3	11.94	0.0	0.0					
07/10/2017	23:06:37	3	10.17	0.0	0.7					
07/10/2017	23:06:54	3	10.17	0.0	0.7	Reset Total, Vol = 1.40 bbl				
07/10/2017	23:07:12	3	10.17	0.0	0.7					
07/10/2017	23:07:47	3	10.18	0.0	0.7					
07/10/2017	23:08:22	4	10.18	0.0	0.7					
07/10/2017	23:08:57	3	10.19	0.0	0.7					
07/10/2017	23:09:32	80	25.00	0.0	0.7					
07/10/2017	23:09:46	215	17.00	2.5	0.8	Start Mixing Lead Slurry				
07/10/2017	23:10:07	470	11.84	3.9	2.1					
07/10/2017	23:10:42	496	11.86	4.9	4.5					
07/10/2017	23:11:17	535	11.91	4.9	7.3					
07/10/2017	23:11:52	473	11.94	4.9	10.2					
07/10/2017	23:12:27	504	11.96	4.9	13.0					
07/10/2017	23:13:02	465	11.97	4.8	15.9					
07/10/2017	23:13:37	506	11.95	4.9	18.7					
07/10/2017	23:14:12	416	11.96	4.9	21.5					
07/10/2017	23:14:47	457	11.98	4.9	24.4					

Well			Field	Job Start		Customer	Job Number
HILGERS13N-22HZ 0631684940			Wattenberg	Jul/10/2017		ANADARKO PETROLEUM COMPANY (ED	D8WD-00359
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message	
07/10/2017	23:15:57	661	11.94	6.4	31.7		
07/10/2017	23:16:32	630	11.93	6.4	35.4		
07/10/2017	23:17:07	608	11.93	6.4	39.1		
07/10/2017	23:17:42	570	11.92	6.4	42.8		
07/10/2017	23:18:17	575	11.94	6.4	46.6		
07/10/2017	23:18:52	557	11.98	6.4	50.3		
07/10/2017	23:19:27	546	11.99	6.4	54.0		
07/10/2017	23:20:02	544	12.02	6.4	57.7		
07/10/2017	23:20:37	554	12.00	6.4	61.4		
07/10/2017	23:21:12	526	11.99	6.4	65.2		
07/10/2017	23:21:47	339	11.95	4.9	68.7		
07/10/2017	23:22:22	323	11.91	4.9	71.6		
07/10/2017	23:22:57	336	11.91	4.9	74.5		
07/10/2017	23:23:32	324	11.91	4.9	77.3		
07/10/2017	23:24:07	231	11.93	4.0	79.8		
07/10/2017	23:24:42	79	11.92	2.0	82.0		
07/10/2017	23:25:17	67	11.95	1.8	83.1		
07/10/2017	23:25:52	68	12.03	1.8	84.1		
07/10/2017	23:26:27	335	12.04	4.9	85.6		
07/10/2017	23:27:02	537	12.04	6.4	89.1		
07/10/2017	23:27:37	499	11.97	6.4	92.9		
07/10/2017	23:28:12	252	11.96	6.3	96.6		
07/10/2017	23:28:47	267	11.95	3.9	99.0		
07/10/2017	23:29:22	229	11.94	4.0	101.3		
07/10/2017	23:29:57	114	11.93	2.5	103.1		
07/10/2017	23:30:32	109	11.86	2.5	104.5		
07/10/2017	23:31:07	115	11.86	2.5	106.0		
07/10/2017	23:31:42	108	11.83	2.5	107.5		
07/10/2017	23:32:17	111	11.90	2.5	108.9		
07/10/2017	23:32:52	502	11.94	6.4	111.7		
07/10/2017	23:33:27	514	11.97	6.4	115.4		
07/10/2017	23:34:02	532	11.98	6.4	119.1		
07/10/2017	23:34:37	518	11.98	6.4	122.8		
07/10/2017	23:35:12	520	11.97	6.4	126.6		
07/10/2017	23:35:47	508	11.97	6.4	130.3		
07/10/2017	23:36:22	505	11.98	6.4	134.0		
07/10/2017	23:36:57	504	11.99	6.4	137.7		
07/10/2017	23:37:32	76	11.98	1.9	140.6		
07/10/2017	23:38:07	76	11.99	1.9	141.7		
07/10/2017	23:38:42	76	11.99	2.0	142.9		
07/10/2017	23:39:17	76	11.98	2.0	144.0		
07/10/2017	23:39:52	483	11.98	6.4	146.8		
07/10/2017	23:40:27	499	11.97	6.4	150.5		
07/10/2017	23:41:02	489	12.03	6.4	154.2		
07/10/2017	23:41:37	90	12.02	2.2	155.8		
07/10/2017	23:42:09	4	25.00	0.0	156.4	End Lead Slurry	
07/10/2017	23:42:12	4	25.00	0.0	156.4	Reset Total, Vol = 155.68 bbl	
07/10/2017	23:42:15	5	25.00	0.0	156.4	End 12 ppg CemFit Heal Slurry	
07/10/2017	23:42:16	5	25.00	0.0	156.4	Use 460 Sx @ 1.85 ft3/sx	
07/10/2017	23:42:17	5	25.00	0.0	156.4	Weight Verified	
07/10/2017	23:42:47	6	0.56	0.0	0.0		
07/10/2017	23:43:22	7	0.01	0.0	0.0		
07/10/2017	23:43:57	7	0.01	0.0	0.0		
07/10/2017	23:44:32	7	0.01	0.0	0.0		

Well			Field		Job Start	Customer	Job Number
HILGERS13N-22HZ 0631684940			Wattenberg		Jul/10/2017	ANADARKO PETROLEUM COMPANY (ED	D8WD-00359
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message	
07/10/2017	23:45:42	6	12.29	0.0	0.0		
07/10/2017	23:46:17	122	13.26	2.5	0.2		
07/10/2017	23:46:47	136	13.60	2.5	1.5	Start Mixing Tail Slurry	
07/10/2017	23:46:52	122	13.60	2.5	1.7		
07/10/2017	23:47:27	484	13.57	6.4	4.5		
07/10/2017	23:48:02	455	13.45	6.4	8.3		
07/10/2017	23:48:37	612	13.47	7.8	12.4		
07/10/2017	23:49:12	629	13.54	7.8	16.9		
07/10/2017	23:49:47	637	13.53	7.8	21.5		
07/10/2017	23:50:22	627	13.48	7.8	26.1		
07/10/2017	23:50:57	623	13.49	7.8	30.6		
07/10/2017	23:51:32	601	13.51	7.8	35.2		
07/10/2017	23:52:07	597	13.51	7.8	39.8		
07/10/2017	23:52:42	606	13.51	7.8	44.4		
07/10/2017	23:53:17	626	13.53	7.8	48.9		
07/10/2017	23:53:52	627	13.52	7.8	53.5		
07/10/2017	23:54:27	609	13.51	7.8	58.1		
07/10/2017	23:55:02	602	13.49	7.8	62.6		
07/10/2017	23:55:37	619	13.53	7.9	67.2		
07/10/2017	23:56:12	623	13.50	7.8	71.8		
07/10/2017	23:56:47	91	13.50	2.4	75.9		
07/10/2017	23:57:22	85	13.53	2.0	77.1		
07/10/2017	23:57:57	633	13.54	7.8	80.6		
07/10/2017	23:58:32	604	13.50	7.8	85.2		
07/10/2017	23:59:07	642	13.52	7.8	89.7		
07/10/2017	23:59:42	653	13.53	7.8	94.3		
07/11/2017	00:00:17	643	13.57	7.8	98.9		
07/11/2017	00:00:52	622	13.45	7.8	103.4		
07/11/2017	00:01:27	647	13.53	7.8	108.0		
07/11/2017	00:02:02	643	13.57	7.8	112.6		
07/11/2017	00:02:37	650	13.58	7.8	117.1		
07/11/2017	00:03:12	611	13.57	7.8	121.7		
07/11/2017	00:03:47	604	13.55	7.8	126.3		
07/11/2017	00:04:22	621	13.54	7.8	130.8		
07/11/2017	00:04:57	613	13.54	7.8	135.4		
07/11/2017	00:05:32	621	13.54	7.8	140.0		
07/11/2017	00:06:07	622	13.53	7.8	144.6		
07/11/2017	00:06:42	632	13.53	7.8	149.1		
07/11/2017	00:07:17	636	13.52	7.8	153.7		
07/11/2017	00:07:52	637	13.48	7.9	158.3		
07/11/2017	00:08:27	639	13.63	7.8	162.9		
07/11/2017	00:09:02	141	13.31	6.5	167.4		
07/11/2017	00:09:37	175	13.44	3.5	169.6		
07/11/2017	00:10:12	172	13.51	3.5	171.6		
07/11/2017	00:10:47	625	13.51	5.0	173.7		
07/11/2017	00:11:22	642	13.49	7.8	178.1		
07/11/2017	00:11:57	606	13.52	7.8	182.7		
07/11/2017	00:12:32	607	13.57	7.8	187.3		
07/11/2017	00:13:07	625	13.58	7.8	191.8		
07/11/2017	00:13:42	620	13.55	7.8	196.4		
07/11/2017	00:14:17	91	13.54	2.8	200.7		
07/11/2017	00:14:52	89	13.53	2.0	201.9		
07/11/2017	00:15:27	86	13.53	2.0	203.1		
07/11/2017	00:16:02	82	13.53	2.0	204.3		

Well			Field		Job Start	Customer	Job Number
HILGERS13N-22HZ 0631684940			Wattenberg		Jul/10/2017	ANADARKO PETROLEUM COMPANY (ED	D8WD-00359
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message	
07/11/2017	00:17:12	641	13.52	7.8	211.6		
07/11/2017	00:17:19	28	14.71	0.0	212.1	End Tail Slurry	
07/11/2017	00:17:20	27	13.80	0.0	212.1	Reset Total, Vol = 212.08 bbl	
07/11/2017	00:17:22	25	10.55	0.0	212.1	End 13.5 ppg Production Tail	
07/11/2017	00:17:23	22	9.06	0.0	212.1	Use 695 Sx @ 1.66 ft3/sx	
07/11/2017	00:17:47	45	10.89	2.1	212.9		
07/11/2017	00:17:58	14	13.71	0.0	213.0	Weight Verified	
07/11/2017	00:17:59	14	13.75	0.0	213.0	Reset Total, Vol = 0.90 bbl	
07/11/2017	00:18:22	14	13.81	0.0	213.0		
07/11/2017	00:18:57	14	13.82	0.0	213.0		
07/11/2017	00:19:32	13	13.83	0.0	213.0		
07/11/2017	00:20:07	13	13.84	0.0	213.0		
07/11/2017	00:20:42	13	13.49	0.0	213.0		
07/11/2017	00:21:17	66	9.14	0.9	0.1		
07/11/2017	00:21:52	82	9.18	2.5	1.0		
07/11/2017	00:22:27	135	9.29	3.5	2.7		
07/11/2017	00:23:02	130	8.77	3.6	4.7		
07/11/2017	00:23:37	78	9.59	4.8	7.3		
07/11/2017	00:24:12	9	10.47	0.6	7.8		
07/11/2017	00:24:47	39	9.41	2.4	8.2		
07/11/2017	00:25:22	283	9.79	4.9	10.4		
07/11/2017	00:25:57	258	25.00	0.0	11.4		
07/11/2017	00:26:32	12	8.99	0.9	11.5		
07/11/2017	00:27:07	113	8.53	4.9	13.3		
07/11/2017	00:27:42	2	8.56	1.9	15.4		
07/11/2017	00:28:17	1	9.03	0.0	15.7		
07/11/2017	00:28:52	-12	8.66	0.0	15.7		
07/11/2017	00:29:27	-1	8.49	0.0	15.7		
07/11/2017	00:30:02	1	8.49	0.0	15.7		
07/11/2017	00:30:37	-2	8.48	0.0	15.7		
07/11/2017	00:31:12	-1	8.48	0.0	15.7		
07/11/2017	00:31:47	-2	8.48	0.0	15.7		
07/11/2017	00:31:49	-2	8.48	0.0	15.7	Reset Total, Vol = 15.72 bbl	
07/11/2017	00:31:55	-2	8.48	0.0	0.0	Drop Top Plug	
07/11/2017	00:32:22	-2	8.48	0.0	0.0		
07/11/2017	00:32:24	-2	8.48	0.0	0.0	Start Displacement	
07/11/2017	00:32:57	8	8.49	2.1	1.0		
07/11/2017	00:33:32	9	8.49	2.2	2.3		
07/11/2017	00:34:07	8	8.49	2.2	3.6		
07/11/2017	00:34:42	6	8.47	2.2	4.9		
07/11/2017	00:35:17	268	8.47	7.8	7.5		
07/11/2017	00:35:52	239	8.63	14.1	12.2		
07/11/2017	00:36:27	249	8.86	7.9	17.2		
07/11/2017	00:37:02	184	8.48	6.5	21.1		
07/11/2017	00:37:37	191	8.47	6.5	24.9		
07/11/2017	00:38:12	275	8.46	7.8	28.8		
07/11/2017	00:38:47	274	8.47	7.9	33.4		
07/11/2017	00:39:22	272	8.46	7.9	38.0		
07/11/2017	00:39:57	282	8.46	7.9	42.6		
07/11/2017	00:40:32	273	8.46	7.9	47.2		
07/11/2017	00:41:07	282	8.46	7.9	51.9		
07/11/2017	00:41:42	283	8.46	7.9	56.5		
07/11/2017	00:42:17	628	8.46	7.9	61.1		
07/11/2017	00:42:52	654	8.46	7.9	65.7		

Well			Field		Job Start	Customer	Job Number
HILGERS13N-22HZ 0631684940			Wattenberg		Jul/10/2017	ANADARKO PETROLEUM COMPANY (ED	D8WD-00359
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message	
07/11/2017	00:44:02	776	8.46	7.9	74.9		
07/11/2017	00:44:37	837	8.46	7.8	79.4		
07/11/2017	00:45:12	900	8.46	7.9	84.0		
07/11/2017	00:45:47	956	8.46	7.9	88.6		
07/11/2017	00:46:22	1029	8.46	7.8	93.2		
07/11/2017	00:46:57	1085	8.46	7.8	97.8		
07/11/2017	00:47:32	1151	8.46	7.8	102.3		
07/11/2017	00:48:07	1212	8.46	7.9	106.9		
07/11/2017	00:48:42	1277	8.46	7.8	111.5		
07/11/2017	00:49:17	1347	8.46	7.8	116.1		
07/11/2017	00:49:52	1412	8.46	7.8	120.6		
07/11/2017	00:50:27	1488	8.46	7.8	125.2		
07/11/2017	00:51:02	1548	8.46	7.8	129.8		
07/11/2017	00:51:37	1624	8.46	7.8	134.3		
07/11/2017	00:52:12	1689	8.46	7.8	138.9		
07/11/2017	00:52:47	1744	8.45	7.8	143.4		
07/11/2017	00:53:22	1828	8.46	7.8	148.0		
07/11/2017	00:53:57	1891	8.45	7.8	152.5		
07/11/2017	00:54:32	1959	8.46	7.7	157.1		
07/11/2017	00:55:07	2020	8.45	7.7	161.6		
07/11/2017	00:55:42	2082	8.46	7.8	166.1		
07/11/2017	00:56:17	2135	8.46	7.8	170.7		
07/11/2017	00:56:52	2200	8.46	7.8	175.2		
07/11/2017	00:57:27	2234	8.45	7.8	179.7		
07/11/2017	00:58:02	2265	8.45	7.8	184.2		
07/11/2017	00:58:37	2284	8.45	7.8	188.8		
07/11/2017	00:59:12	2304	8.46	7.8	193.3		
07/11/2017	00:59:47	2325	8.45	7.8	197.8		
07/11/2017	01:00:22	2346	8.46	7.8	202.3		
07/11/2017	01:00:57	2372	8.46	7.8	206.9		
07/11/2017	01:01:32	2385	8.46	7.7	211.4		
07/11/2017	01:02:07	2422	8.46	7.8	215.9		
07/11/2017	01:02:42	2434	8.45	7.7	220.4		
07/11/2017	01:03:17	2192	8.45	6.3	224.7		
07/11/2017	01:03:52	2017	8.45	4.9	227.7		
07/11/2017	01:04:27	1992	8.45	5.0	230.6		
07/11/2017	01:05:02	1992	8.45	5.0	233.5		
07/11/2017	01:05:37	2056	8.46	4.9	236.4		
07/11/2017	01:06:12	2026	8.45	5.0	239.3		
07/11/2017	01:06:47	2072	8.45	4.9	242.2		
07/11/2017	01:07:22	2290	8.45	6.3	245.4		
07/11/2017	01:07:57	2320	8.46	6.3	249.1		
07/11/2017	01:08:32	2321	8.45	6.3	252.8		
07/11/2017	01:09:07	2359	8.46	6.4	256.5		
07/11/2017	01:09:42	2355	8.46	6.3	260.2		
07/11/2017	01:10:17	2351	8.45	6.3	263.8		
07/11/2017	01:10:52	2390	8.46	6.4	267.5		
07/11/2017	01:11:27	2003	8.45	3.5	271.0		
07/11/2017	01:12:02	1839	8.45	2.5	272.5		
07/11/2017	01:12:37	1834	8.45	2.5	273.9		
07/11/2017	01:13:12	1837	8.45	2.5	275.3		
07/11/2017	01:13:47	1853	8.45	2.5	276.8		
07/11/2017	01:14:22	1859	8.45	2.5	278.2		
07/11/2017	01:14:57	1862	8.45	2.5	279.7		

Well			Field		Job Start	Customer	Job Number
HILGERS13N-22HZ 0631684940			Wattenberg		Jul/10/2017	ANADARKO PETROLEUM COMPANY (ED	D8WD-00359
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message	
07/11/2017	01:16:07	1889	8.45	2.5	282.6		
07/11/2017	01:16:42	1915	8.45	2.5	284.0		
07/11/2017	01:17:17	1921	8.45	2.5	285.5		
07/11/2017	01:17:52	1919	8.45	2.5	286.9		
07/11/2017	01:18:27	1914	8.45	2.5	288.4		
07/11/2017	01:19:02	1939	8.45	2.5	289.8		
07/11/2017	01:19:37	1946	8.45	2.5	291.3		
07/11/2017	01:19:44	1919	8.45	2.5	291.5	End Displacement	
07/11/2017	01:19:45	1946	8.45	2.5	291.6	Bump Top Plug	
07/11/2017	01:20:12	2156	8.45	2.5	292.7		
07/11/2017	01:20:47	2556	8.46	0.0	293.2		
07/11/2017	01:20:56	2559	8.45	0.0	293.2	Reset Total, Vol = 293.07 bbl	
07/11/2017	01:21:22	2563	8.45	0.0	293.2		
07/11/2017	01:21:57	2560	8.45	0.0	293.2		
07/11/2017	01:22:32	1522	8.46	0.0	293.2		
07/11/2017	01:22:46	10	8.46	0.0	293.2	Bleed off. Check Float	
07/11/2017	01:22:47	2	8.46	0.0	293.2	Float Holding	
07/11/2017	01:22:48	-3	8.46	0.0	293.2	Returns @ 3 bbbl	
07/11/2017	01:23:07	-4	8.45	0.0	293.2		
07/11/2017	01:23:42	464	8.46	2.5	0.3		
07/11/2017	01:24:17	1984	8.45	2.5	1.8		
07/11/2017	01:24:52	3053	8.45	0.0	3.0		
07/11/2017	01:24:55	2987	8.45	0.0	3.0	Pressure Test Casing	
07/11/2017	01:25:24	3073	8.45	0.0	3.0	Reset Total, Vol = 2.98 bbl	
07/11/2017	01:25:27	3045	8.45	0.0	3.0		
07/11/2017	01:26:02	3019	8.24	0.0	3.0		
07/11/2017	01:26:37	3036	8.45	0.0	3.0		
07/11/2017	01:27:12	3064	8.45	0.0	3.0		
07/11/2017	01:27:47	3069	8.45	0.0	3.0		
07/11/2017	01:28:22	3076	8.45	0.0	3.0		
07/11/2017	01:28:57	3078	8.45	0.0	3.0		
07/11/2017	01:29:32	3089	8.45	0.0	3.0		
07/11/2017	01:30:07	3099	8.45	0.0	3.0		
07/11/2017	01:30:42	3111	8.45	0.0	3.0		
07/11/2017	01:31:17	3121	8.45	0.0	3.0		
07/11/2017	01:31:52	3131	8.45	0.0	3.0		
07/11/2017	01:32:27	3140	8.45	0.0	3.0		
07/11/2017	01:33:02	3149	8.45	0.0	3.0		
07/11/2017	01:33:37	3159	8.45	0.0	3.0		
07/11/2017	01:34:12	3169	8.45	0.0	3.0		
07/11/2017	01:34:47	3178	8.45	0.0	3.0		
07/11/2017	01:35:22	3188	8.45	0.0	3.0		
07/11/2017	01:35:57	3197	8.45	0.0	3.0		
07/11/2017	01:36:32	3206	8.45	0.0	3.0		
07/11/2017	01:37:07	3215	8.45	0.0	3.0		
07/11/2017	01:37:42	3224	8.45	0.0	3.0		
07/11/2017	01:38:17	3233	8.45	0.0	3.0		
07/11/2017	01:38:52	3242	8.45	0.0	3.0		
07/11/2017	01:39:27	3251	8.45	0.0	3.0		
07/11/2017	01:40:02	3260	8.45	0.0	3.0		
07/11/2017	01:40:37	3269	8.45	0.0	3.0		
07/11/2017	01:41:12	3277	8.45	0.0	3.0		
07/11/2017	01:41:47	3287	8.45	0.0	3.0		
07/11/2017	01:42:22	3295	8.45	0.0	3.0		

Well			Field		Job Start	Customer		Job Number
HILGERS13N-22HZ 0631684940			Wattenberg		Jul/10/2017	ANADARKO PETROLEUM COMPANY (ED		D8WD-00359
Date	Time 24-hr clock	CMT_TREAT_PRES PSI	CMT_DENS LB/G	CMT_RATE B/M	CMT_VOL BBL	Message		
07/11/2017	01:43:32	3312	8.45	0.0	3.0			
07/11/2017	01:44:07	2392	8.45	0.0	3.0			
07/11/2017	01:44:23	125	8.45	0.0	3.0	Bleed off pressure to Zero		
07/11/2017	01:44:24	92	8.45	0.0	3.0	Float Holding		
07/11/2017	01:44:25	92	8.45	0.0	3.0	Returns @ 3 bbl		
07/11/2017	01:44:42	-8	8.45	0.0	3.0			
07/11/2017	01:45:17	-9	8.45	0.0	3.0			
07/11/2017	01:45:52	-9	8.45	0.0	3.0			

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			16.9	367.7	0.0	81.9		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
4843	3000	978	2200			bbl	lb/gal	
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume
%		357.0 bbl		285.0 bbl	60 degF	<input type="checkbox"/>		bbl
						Washed Thru Perfs		To
						<input type="checkbox"/>		ft
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost		Job Completed
Levi Rogers			Wence Luste			<input type="checkbox"/>		<input checked="" type="checkbox"/>
						-		-