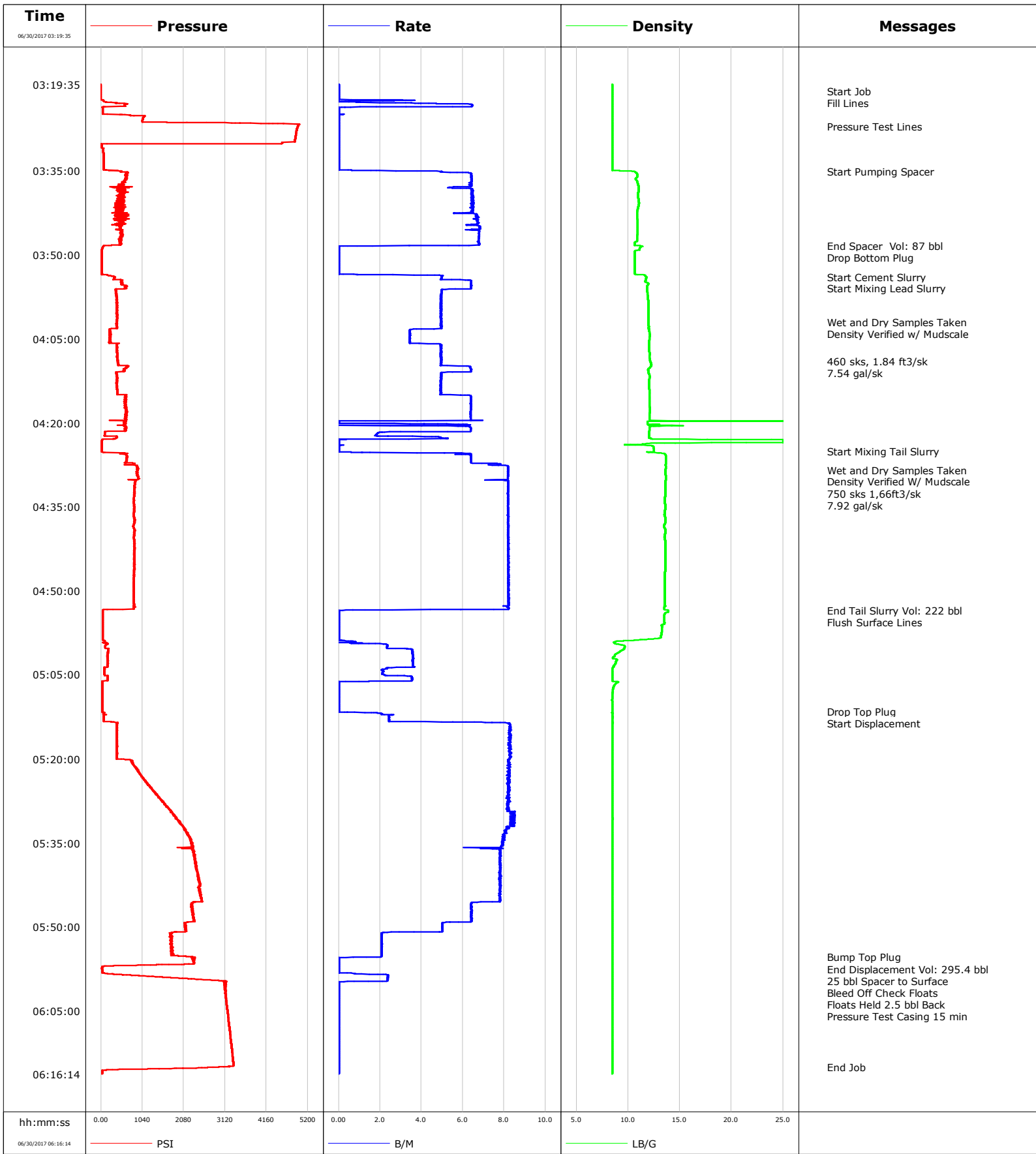


Well	Hilgers 41N-26HZ-41N-26HZ	Client	Anadarko Petroleum Co.
Field	Wattenberg	SIR No.	D8WD-00317
Engineer	Billy Barg	Job Type	5.5" Production
Country	United States	Job Date	06-30-2017



				Customer			Job Number				
				Anadarko Petroleum Co.			D8WD-00317				
Well		Location (legal)			Schlumberger Location			Job Start			
Hilgers 41N-26HZ-41N-26HZ 0631685008					Cheyenne, WY			Jun/30/2017			
Field		Formation Name/Type		Deviation	Bit Size	Well MD		Well TVD			
Wattenberg		Shale		deg	7.9 in	12815.0 ft		7613.0 ft			
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient				
Weld		Colorado		psi	225 degF	219 degF	lb/gal				
Well Master		API/UWI									
0631685008											
Rig Name	Drilled For		Service Via	Casing/Liner							
Xtreme 24	Oil & Gas		Land	Depth, ft		Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class		Well Type	1847.0	9.6	36.0	J55	LTC			
	New		Development	12804.0	5.5	17.0	P110	LTC			
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe							
OBM		8.90 lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Service Line	Job Type										
Cementing	5.5" Production										
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection	Perforations/Open Hole							
psi	psi		5.5" LTC	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval			
Service Instructions				ft	ft			ft			
9 5/8" 36# Previous Casing: 1,847'				ft	ft			Diameter			
7 7/8" to TD // OH Excess: 4%				ft	ft			in			
Top of Lead Cement: 1,500'											
Top of Tail Cement: 5600'											
TD: 12,815' (7,163')				Treat Down	Displacement	Packer Type	Packer Depth				
				Casing	295.6 bbl		ft				
				Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.				
				bbl	bbl	428.0 bbl	bbl				
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement	Casing Tools							Squeeze Job	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
Lift Pressure		Shoe Type	Shoe Depth	Stage Tool Type	Stage Tool Depth	Tail Pipe Size	Squeeze Type				
9162 psi		Float	12804.2 ft		ft	in					
Pipe Rotated		Pipe Reciprocated	Shoe Depth	Stage Tool Type	Stage Tool Depth	Tail Pipe Size	Tool Type				
<input type="checkbox"/>		<input type="checkbox"/>	12804.2 ft		ft	in					
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type	Stage Tool Depth	Tail Pipe Size	Tool Depth				
		1	1		ft	in					
Cement Head Type		Job Scheduled For	Arrived on Location	Leave Location	Collar Type	Collar Depth	Tail Pipe Depth	Sqz. Total Vol.			
Single		Jun/30/2017 22:00	Jun/30/2017 22:00	Jun/30/2017 07:00	Float	12714.2 ft	ft	bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
06/30/2017	03:19:35	-2	0.0	8.47	0.0	Started Acquisition					
06/30/2017	03:20:47	-2	0.0	8.47	0.0	Start Job					
06/30/2017	03:21:15	-1	0.0	8.47	0.0						
06/30/2017	03:22:25	60	3.7	8.46	0.0	Fill Lines					
06/30/2017	03:22:55	399	3.7	8.46	0.6						
06/30/2017	03:24:35	43	0.0	8.46	4.8						
06/30/2017	03:26:15	1038	0.0	8.46	4.8						
06/30/2017	03:27:07	4943	0.0	8.46	4.8	Pressure Test Lines					
06/30/2017	03:27:55	4912	0.0	8.46	4.8						
06/30/2017	03:29:35	4873	0.0	8.46	4.8						
06/30/2017	03:31:15	59	0.0	8.46	4.8						
06/30/2017	03:32:55	65	0.0	8.46	0.0						
06/30/2017	03:34:35	70	0.0	8.46	0.0						
06/30/2017	03:35:06	475	5.0	10.45	0.5	Start Pumping Spacer					
06/30/2017	03:36:15	655	6.4	10.83	7.6						
06/30/2017	03:37:55	370	5.5	11.02	18.2						
06/30/2017	03:39:35	495	6.5	10.95	28.7						
06/30/2017	03:41:15	491	6.5	11.00	39.5						
06/30/2017	03:42:55	572	6.7	10.86	50.2						
06/30/2017	03:44:35	415	6.7	10.90	61.4						
06/30/2017	03:46:15	515	6.8	10.92	72.6						

Well		Field		Job Start		Customer		Job Number	
Hilgers 41N-26HZ-41N-26HZ 0631685008		Wattenberg		Jun/30/2017		Anadarko Petroleum Co.		D8WD-00317	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/30/2017	03:48:23	86	3.4	11.15	86.9	End Spacer Vol: 87 bbl			
06/30/2017	03:48:47	35	0.0	11.14	0.0	Drop Bottom Plug			
06/30/2017	03:49:35	20	0.0	10.63	0.0				
06/30/2017	03:51:15	17	0.0	10.63	0.0				
06/30/2017	03:52:55	17	0.0	10.63	0.0				
06/30/2017	03:53:57	328	5.0	11.68	1.8	Start Cement Slurry			
06/30/2017	03:54:00	349	5.0	11.68	2.1	Start Mixing Lead Slurry			
06/30/2017	03:54:35	499	6.4	11.72	5.1				
06/30/2017	03:56:15	381	5.0	11.82	15.6				
06/30/2017	03:57:55	401	5.0	11.93	23.9				
06/30/2017	03:59:35	404	4.9	11.97	32.1				
06/30/2017	04:01:15	401	4.9	11.98	40.3				
06/30/2017	04:02:04	402	4.9	11.95	44.4	Wet and Dry Samples Taken			
06/30/2017	04:02:13	403	5.0	11.95	45.1	Density Verified w/ Mudscale			
06/30/2017	04:02:55	407	5.0	11.99	48.6				
06/30/2017	04:04:35	247	3.4	12.08	54.9				
06/30/2017	04:06:15	389	4.9	12.01	61.2				
06/30/2017	04:07:55	420	5.0	12.08	69.4				
06/30/2017	04:08:57	419	5.0	12.12	74.5	460 sks, 1.84 ft3/sk			
06/30/2017	04:09:12	424	5.0	12.17	75.7	7.54 gal/sk			
06/30/2017	04:09:35	438	4.9	12.21	77.6				
06/30/2017	04:11:15	395	5.0	12.01	87.5				
06/30/2017	04:12:55	384	4.9	12.00	95.7				
06/30/2017	04:14:35	411	4.9	12.07	103.9				
06/30/2017	04:16:15	631	6.4	12.05	113.9				
06/30/2017	04:17:55	654	6.4	12.09	124.5				
06/30/2017	04:19:35	220	7.0	12.07	135.2				
06/30/2017	04:21:15	633	6.4	12.04	142.0				
06/30/2017	04:22:55	333	0.0	14.54	148.1				
06/30/2017	04:24:35	19	0.0	12.47	148.1				
06/30/2017	04:25:09	19	0.0	12.48	148.1	Start Mixing Tail Slurry			
06/30/2017	04:26:15	656	6.4	13.62	5.1				
06/30/2017	04:27:55	925	8.2	13.62	16.8				
06/30/2017	04:28:24	903	8.2	13.60	20.7	Wet and Dry Samples Taken			
06/30/2017	04:28:26	924	8.2	13.60	21.0	Density Verified W/ Mudscale			
06/30/2017	04:28:27	924	8.2	13.59	21.1	750 sks 1,66ft3/sk			
06/30/2017	04:29:35	939	8.2	13.64	30.4				
06/30/2017	04:31:15	845	8.2	13.58	44.0				
06/30/2017	04:31:19	845	8.2	13.59	44.5	7.92 gal/sk			
06/30/2017	04:32:55	845	8.2	13.57	57.6				
06/30/2017	04:34:35	834	8.2	13.57	71.3				
06/30/2017	04:36:15	819	8.2	13.52	84.9				
06/30/2017	04:37:55	844	8.2	13.57	98.6				
06/30/2017	04:39:35	831	8.2	13.58	112.2				
06/30/2017	04:41:15	835	8.2	13.59	125.9				
06/30/2017	04:42:55	845	8.2	13.59	139.6				
06/30/2017	04:44:35	845	8.2	13.58	153.2				
06/30/2017	04:46:15	831	8.2	13.58	166.9				
06/30/2017	04:47:55	823	8.2	13.54	180.6				
06/30/2017	04:49:35	827	8.2	13.54	194.2				
06/30/2017	04:51:15	810	8.2	13.52	207.9				
06/30/2017	04:52:55	814	8.2	13.50	221.6				
06/30/2017	04:53:30	46	0.0	13.89	225.3	End Tail Slurry Vol: 222 bbl			
06/30/2017	04:53:36	45	0.0	13.87	0.0	Flush Surface Lines			

Well		Field		Job Start		Customer		Job Number	
Hilgers 41N-26HZ-41N-26HZ 0631685008		Wattenberg		Jun/30/2017		Anadarko Petroleum Co.		D8WD-00317	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/30/2017	04:56:15	43	0.0	13.26	0.0				
06/30/2017	04:57:55	42	0.0	13.18	0.0				
06/30/2017	04:59:35	157	2.3	9.22	0.7				
06/30/2017	05:01:15	165	3.6	8.83	5.8				
06/30/2017	05:02:55	169	3.6	8.78	11.7				
06/30/2017	05:04:35	84	2.1	8.47	16.5				
06/30/2017	05:06:15	31	0.0	9.05	21.2				
06/30/2017	05:07:55	27	0.0	8.51	21.2				
06/30/2017	05:09:35	28	0.0	8.45	21.2				
06/30/2017	05:11:15	28	0.0	8.46	21.2				
06/30/2017	05:11:35	28	0.0	8.46	0.0	Drop Top Plug			
06/30/2017	05:11:56	72	2.1	8.50	0.5	Start Displacement			
06/30/2017	05:12:55	64	2.4	8.49	2.8				
06/30/2017	05:14:35	403	8.2	8.46	13.7				
06/30/2017	05:16:15	396	8.2	8.46	27.5				
06/30/2017	05:17:55	403	8.3	8.45	41.2				
06/30/2017	05:19:35	415	8.3	8.45	55.0				
06/30/2017	05:21:15	843	8.2	8.45	68.7				
06/30/2017	05:22:55	1018	8.1	8.45	82.5				
06/30/2017	05:24:35	1188	8.2	8.45	96.1				
06/30/2017	05:26:15	1394	8.2	8.45	109.8				
06/30/2017	05:27:55	1584	8.2	8.45	123.5				
06/30/2017	05:29:35	1792	21.9	8.46	137.2				
06/30/2017	05:31:15	1962	22.1	8.47	151.2				
06/30/2017	05:32:55	2138	8.0	8.45	164.8				
06/30/2017	05:34:35	2267	7.9	8.45	178.3				
06/30/2017	05:36:15	2311	7.8	8.45	191.3				
06/30/2017	05:37:55	2353	7.8	8.45	204.3				
06/30/2017	05:39:35	2404	7.8	8.45	217.3				
06/30/2017	05:41:15	2450	7.8	8.45	230.3				
06/30/2017	05:42:55	2434	7.8	8.45	243.3				
06/30/2017	05:44:35	2513	7.8	8.45	256.3				
06/30/2017	05:46:15	2260	6.4	8.45	268.3				
06/30/2017	05:47:55	2320	6.4	8.45	279.0				
06/30/2017	05:49:35	2119	5.0	8.45	289.0				
06/30/2017	05:51:15	1758	2.1	8.45	296.4				
06/30/2017	05:52:55	1783	2.1	8.45	299.8				
06/30/2017	05:54:35	1796	2.1	8.45	303.3				
06/30/2017	05:55:23	2330	0.7	8.45	304.9	Bump Top Plug			
06/30/2017	05:55:50	2331	0.0	8.45	305.0	25 bbl Spacer to Surface			
06/30/2017	05:55:59	2321	0.0	8.45	305.0	Bleed Off Check Floats			
06/30/2017	05:56:15	2333	0.0	8.45	305.0				
06/30/2017	05:57:20	23	0.0	8.45	305.0	Floats Held 2.5 bbl Back			
06/30/2017	05:57:27	32	0.0	8.45	305.0	Pressure Test Casing 15 min			
06/30/2017	05:57:55	33	0.0	8.45	305.0				
06/30/2017	05:59:35	2970	2.4	8.45	307.8				
06/30/2017	06:01:15	3139	0.0	8.45	308.1				
06/30/2017	06:02:55	3147	0.0	8.45	308.1				
06/30/2017	06:04:35	3171	0.0	8.45	308.1				
06/30/2017	06:06:15	3198	0.0	8.45	308.1				
06/30/2017	06:07:55	3225	0.0	8.45	308.1				
06/30/2017	06:09:35	3252	0.0	8.45	308.1				
06/30/2017	06:11:15	3279	0.0	8.45	308.1				
06/30/2017	06:12:55	3305	0.0	8.45	308.1				

Well Hilgers 41N-26HZ-41N-26HZ 0631685008	Field Wattenberg	Job Start Jun/30/2017	Customer Anadarko Petroleum Co.	Job Number D8WD-00317
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.4	N2	Mud	Maximum Rate 8.5	Total Slurry 373.0	Mud 0.0	Spacer 87.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4995	Final 29	Average 1104	Bump Plug to 3000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 373.0 bbl	Displacement 295.4 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	To ft		
				Washed Thru Perfs <input type="checkbox"/>				
Customer or Authorized Representative Levi Rogers			Schlumberger Supervisor Billy Barg		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		