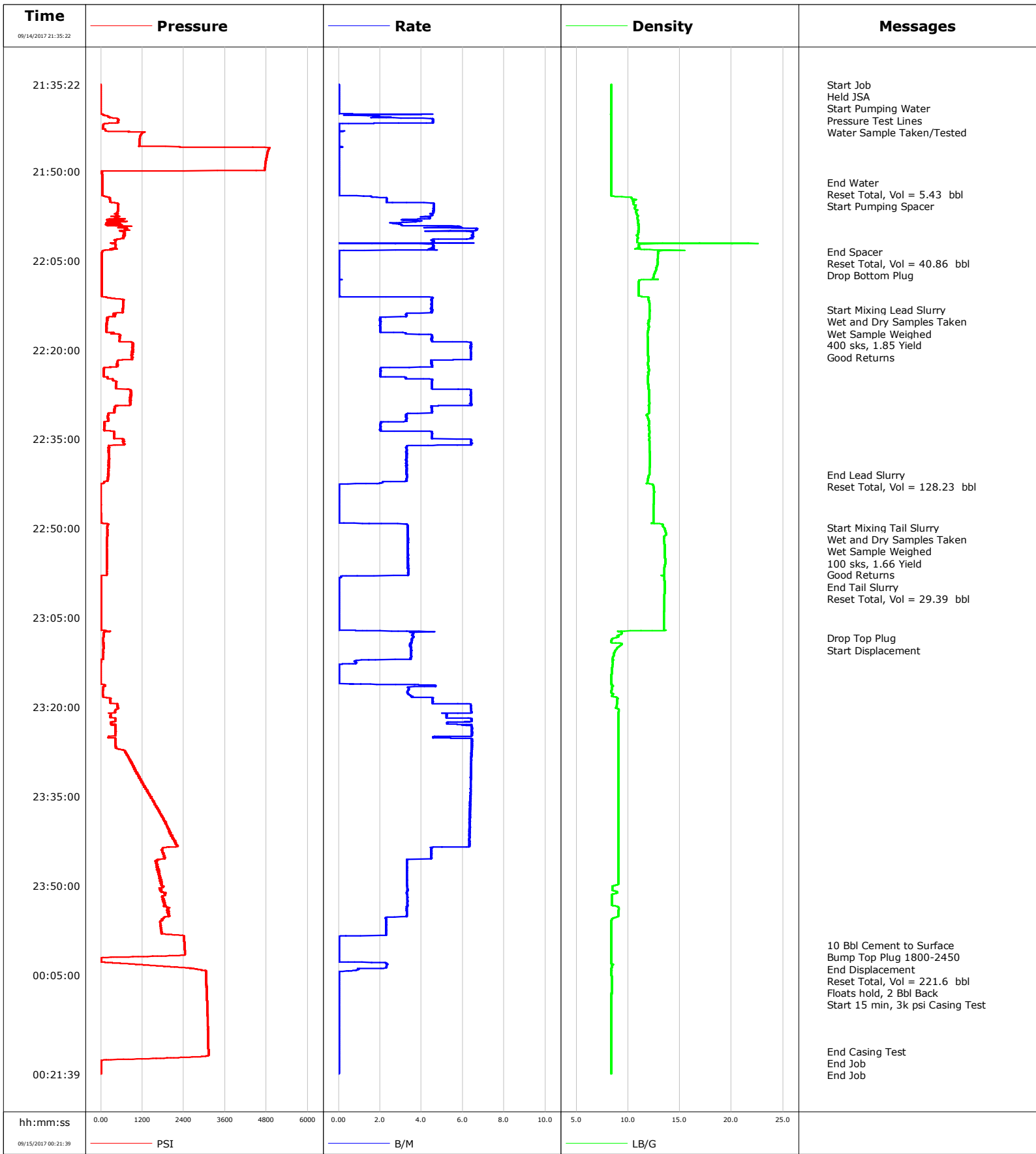


<b>Well</b>	Norden 27N-14HZ	<b>Client</b>	Anadarko
<b>Field</b>	Wattenberg	<b>SIR No.</b>	DMBW-01431
<b>Engineer</b>	Ryan Drilling/Ken Sovereign	<b>Job Type</b>	7" Intermediate
<b>Country</b>	United States	<b>Job Date</b>	09-14-2017



				Customer			Job Number			
				Anadarko			DMBW-01431			
Well		Location (legal)			Schlumberger Location			Job Start		
Norden 27N-14HZ		CWY			CWY			Sep/14/2017		
Field		Formation Name/Type			Deviation	Bit Size	Well MD		Well TVD	
Wattenberg					deg	8.5 in	5838.0 ft		ft	
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient		
Weld		Colorado			psi	203 degF	153 degF	lb/gal		
Well Master		API/UWI								
0631692263										
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		1882.0	9.6	36.0	j55	ltc	
	New		Development		5838.0	7.0	26.0	j55	ltc	
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe					
		lb/gal	cP		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line		Job Type								
Cementing		7" Intermediate								
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole				
psi		psi		Double Cement head		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
Service Instructions 7" intermediate casing cementing					ft	ft			ft	
					ft	ft			Diameter	
					ft	ft			in	
Treat Down		Displacement		Packer Type		Packer Depth				
Casing		bbl				ft				
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.				
bbl		bbl		59.0 bbl		89.0 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		1800 psi			Shoe Type		Float	Squeeze Type		
Pipe Rotated		<input type="checkbox"/>	Pipe Reciprocated		<input type="checkbox"/>	Shoe Depth		5838.0 ft		
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		Arrived on Location		Leave Location		Collar Type		Float	Tail Pipe Depth	
Sep/14/2017 17:00		Sep/14/2017 17:00		Sep/14/2017 01:00		Collar Depth		5792.0 ft	Sqz. Total Vol.	
									bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/14/2017	21:35:22	-2	0.0	8.36	0.0	Started Acquisition				
09/14/2017	21:35:23	-3	0.0	8.36	0.0	Start Job				
09/14/2017	21:35:28	-3	0.0	8.36	0.0	Held JSA				
09/14/2017	21:35:29	-3	0.0	8.36	0.0	Start Pumping Water				
09/14/2017	21:35:32	-3	0.0	8.36	0.0	Pressure Test Lines				
09/14/2017	21:35:33	-3	0.0	8.36	0.0	Water Sample Taken/Tested				
09/14/2017	21:36:22	-3	0.0	8.36	0.0					
09/14/2017	21:37:22	-3	0.0	8.36	0.0					
09/14/2017	21:38:22	-3	0.0	8.36	0.0					
09/14/2017	21:39:22	-3	0.0	8.36	0.0					
09/14/2017	21:40:22	52	2.5	8.35	0.0					
09/14/2017	21:41:22	505	4.6	8.36	2.9					
09/14/2017	21:42:22	63	0.0	8.36	5.4					
09/14/2017	21:43:22	1211	0.0	8.36	5.4					
09/14/2017	21:44:22	1122	0.0	8.36	5.4					
09/14/2017	21:45:22	1111	0.0	8.36	5.4					
09/14/2017	21:46:22	4855	0.0	8.36	5.4					
09/14/2017	21:47:22	4807	0.0	8.36	5.4					
09/14/2017	21:48:22	4775	0.0	8.36	5.4					
09/14/2017	21:49:22	4751	0.0	8.36	5.4					
09/14/2017	21:50:22	29	0.0	8.36	5.4					

Well Norden 27N-14HZ			Field Wattenberg		Job Start Sep/14/2017	Customer Anadarko		Job Number DMBW-01431
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/14/2017	21:51:50	32	0.0	8.36	0.0	End Water		
09/14/2017	21:51:52	32	0.0	8.36	0.0	Reset Total, Vol = 5.43 bbl		
09/14/2017	21:51:54	31	0.0	8.36	0.0	Start Pumping Spacer		
09/14/2017	21:52:22	32	0.0	8.36	0.0			
09/14/2017	21:53:22	31	0.0	8.36	0.0			
09/14/2017	21:54:22	231	1.8	10.32	0.4			
09/14/2017	21:55:22	485	4.6	10.50	3.0			
09/14/2017	21:56:22	495	4.6	10.68	7.6			
09/14/2017	21:57:22	452	4.5	10.87	12.1			
09/14/2017	21:58:22	763	3.9	10.96	16.2			
09/14/2017	21:59:22	504	5.9	11.01	19.9			
09/14/2017	22:00:22	666	6.5	10.98	26.2			
09/14/2017	22:01:22	527	6.2	10.89	32.6			
09/14/2017	22:02:22	424	4.6	11.02	36.9			
09/14/2017	22:03:22	47	0.0	12.96	40.9			
09/14/2017	22:03:25	42	0.0	12.88	40.9	End Spacer		
09/14/2017	22:03:27	37	0.0	12.88	40.9	Reset Total, Vol = 40.86 bbl		
09/14/2017	22:03:30	35	0.0	12.89	40.9	Drop Bottom Plug		
09/14/2017	22:04:22	20	0.0	12.88	40.9			
09/14/2017	22:05:22	20	0.0	12.85	40.9			
09/14/2017	22:06:22	21	0.0	12.71	40.9			
09/14/2017	22:07:22	21	0.0	12.49	40.9			
09/14/2017	22:08:22	21	0.0	11.03	40.9			
09/14/2017	22:09:22	22	0.0	11.02	40.9			
09/14/2017	22:10:22	23	0.0	11.02	40.9			
09/14/2017	22:11:22	398	4.5	11.98	42.1			
09/14/2017	22:12:22	640	4.5	12.05	46.6			
09/14/2017	22:13:14	624	4.6	12.07	50.5	Start Mixing Lead Slurry		
09/14/2017	22:13:16	630	4.5	12.08	50.7	Wet and Dry Samples Taken		
09/14/2017	22:13:17	631	4.5	12.08	50.8	400 sks, 1.85 Yield		
09/14/2017	22:13:22	631	4.5	12.09	51.1			
09/14/2017	22:13:45	629	4.5	12.07	52.9	Good Returns		
09/14/2017	22:14:22	415	3.3	12.06	54.9			
09/14/2017	22:15:22	165	2.0	11.97	57.0			
09/14/2017	22:16:22	159	2.0	11.98	59.1			
09/14/2017	22:17:22	514	3.9	11.86	61.4			
09/14/2017	22:18:22	541	4.5	11.89	65.9			
09/14/2017	22:19:22	931	6.4	11.91	71.8			
09/14/2017	22:20:22	936	6.4	11.92	78.2			
09/14/2017	22:21:22	912	6.4	11.95	84.6			
09/14/2017	22:22:22	488	4.5	11.92	89.6			
09/14/2017	22:23:22	86	2.0	12.01	93.1			
09/14/2017	22:24:22	80	2.0	11.92	95.1			
09/14/2017	22:25:22	453	4.5	11.92	98.7			
09/14/2017	22:26:22	437	4.5	11.96	103.2			
09/14/2017	22:27:22	878	6.4	12.02	109.2			
09/14/2017	22:28:22	841	6.4	12.03	115.6			
09/14/2017	22:29:22	426	6.3	11.99	122.0			
09/14/2017	22:30:22	391	4.5	11.99	126.5			
09/14/2017	22:31:22	195	3.3	11.89	130.1			
09/14/2017	22:32:22	105	2.0	12.01	133.0			
09/14/2017	22:33:22	103	2.0	12.03	135.0			
09/14/2017	22:34:22	380	4.5	12.02	138.8			
09/14/2017	22:35:22	629	6.4	12.05	144.1			

Well Norden 27N-14HZ			Field Wattenberg		Job Start Sep/14/2017	Customer Anadarko	Job Number DMBW-01431
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/14/2017	22:37:22	217	3.3	12.10	152.8		
09/14/2017	22:38:22	225	3.3	12.10	156.1		
09/14/2017	22:39:22	234	3.3	12.10	159.3		
09/14/2017	22:40:22	211	3.3	12.08	162.6		
09/14/2017	22:40:59	221	3.3	12.05	164.6	End Lead Slurry	
09/14/2017	22:41:22	198	3.3	11.95	165.9		
09/14/2017	22:42:22	78	2.0	11.84	168.9		
09/14/2017	22:42:33	-3	0.1	12.34	169.1	Reset Total, Vol = 128.23 bbl	
09/14/2017	22:43:22	-1	0.0	12.48	169.1		
09/14/2017	22:44:22	-1	0.0	12.48	169.1		
09/14/2017	22:45:22	-1	0.0	12.47	169.1		
09/14/2017	22:46:22	-0	0.0	12.46	169.1		
09/14/2017	22:47:22	-0	0.0	12.45	169.1		
09/14/2017	22:48:22	1	0.0	12.45	169.1		
09/14/2017	22:49:22	198	3.3	13.36	169.8		
09/14/2017	22:49:52	185	3.3	13.47	171.5	Start Mixing Tail Slurry	
09/14/2017	22:49:53	185	3.3	13.48	171.5	Wet and Dry Samples Taken	
09/14/2017	22:49:54	175	3.3	13.49	171.6	Wet Sample Weighed	
09/14/2017	22:50:22	186	3.3	13.58	173.1		
09/14/2017	22:51:22	180	3.3	13.43	176.5		
09/14/2017	22:52:22	175	3.4	13.50	179.8		
09/14/2017	22:53:22	174	3.4	13.52	183.2		
09/14/2017	22:54:22	176	3.3	13.55	186.5		
09/14/2017	22:55:22	180	3.3	13.58	189.9		
09/14/2017	22:56:22	171	3.4	13.53	193.2		
09/14/2017	22:57:22	174	3.4	13.50	196.6		
09/14/2017	22:57:59	5	0.4	13.46	198.5	End Tail Slurry	
09/14/2017	22:58:00	5	0.2	13.47	198.5	Reset Total, Vol = 29.39 bbl	
09/14/2017	22:58:22	5	0.0	13.50	198.5		
09/14/2017	22:59:22	4	0.0	13.54	198.5		
09/14/2017	23:00:22	5	0.0	13.54	198.5		
09/14/2017	23:01:22	5	0.0	13.50	198.5		
09/14/2017	23:02:22	5	0.0	13.50	198.5		
09/14/2017	23:03:22	4	0.0	13.49	198.5		
09/14/2017	23:04:22	4	0.0	13.44	198.5		
09/14/2017	23:05:22	3	0.0	13.44	198.5		
09/14/2017	23:06:22	4	0.0	13.45	198.5		
09/14/2017	23:07:22	196	4.6	9.20	199.2		
09/14/2017	23:08:22	70	3.6	8.79	202.8		
09/14/2017	23:08:27	70	3.6	8.55	203.1	Drop Top Plug	
09/14/2017	23:08:29	71	3.5	8.49	203.2	Start Displacement	
09/14/2017	23:09:22	73	3.5	9.39	206.3		
09/14/2017	23:10:22	70	3.5	8.84	209.8		
09/14/2017	23:11:22	68	3.5	8.60	213.3		
09/14/2017	23:12:22	1	0.8	8.47	216.0		
09/14/2017	23:13:22	-7	0.0	8.44	216.3		
09/14/2017	23:14:22	-7	0.0	8.40	216.3		
09/14/2017	23:15:22	-7	0.0	8.38	216.3		
09/14/2017	23:16:22	127	4.7	8.47	217.1		
09/14/2017	23:17:22	56	3.3	8.37	220.7		
09/14/2017	23:18:22	105	3.5	8.88	224.1		
09/14/2017	23:19:22	275	4.5	8.94	228.7		
09/14/2017	23:20:22	455	6.4	9.08	234.9		
09/14/2017	23:21:22	273	5.2	9.06	240.9		

Well Norden 27N-14HZ			Field Wattenberg		Job Start Sep/14/2017	Customer Anadarko		Job Number DMBW-01431
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/14/2017	23:23:22	420	6.4	9.05	252.6			
09/14/2017	23:24:22	408	6.5	9.05	259.1			
09/14/2017	23:25:22	412	6.4	9.05	264.9			
09/14/2017	23:26:22	416	6.4	9.04	271.4			
09/14/2017	23:27:22	691	6.4	9.04	277.8			
09/14/2017	23:28:22	801	6.4	9.04	284.2			
09/14/2017	23:29:22	896	6.4	9.04	290.6			
09/14/2017	23:30:22	990	6.4	9.04	297.0			
09/14/2017	23:31:22	1085	6.4	9.04	303.4			
09/14/2017	23:32:22	1165	6.4	9.04	309.8			
09/14/2017	23:33:22	1267	6.4	9.04	316.2			
09/14/2017	23:34:22	1372	6.4	9.04	322.6			
09/14/2017	23:35:22	1470	6.4	9.04	328.9			
09/14/2017	23:36:22	1563	6.4	9.04	335.3			
09/14/2017	23:37:22	1657	6.3	9.04	341.6			
09/14/2017	23:38:22	1775	6.3	9.04	348.0			
09/14/2017	23:39:22	1883	6.3	9.04	354.3			
09/14/2017	23:40:22	1967	6.3	9.04	360.6			
09/14/2017	23:41:22	2014	6.3	9.04	367.0			
09/14/2017	23:42:22	2110	6.3	9.04	373.3			
09/14/2017	23:43:22	2198	6.3	9.04	379.6			
09/14/2017	23:44:22	1784	4.5	9.04	384.4			
09/14/2017	23:45:22	1853	4.5	9.04	388.8			
09/14/2017	23:46:22	1603	3.3	9.04	392.4			
09/14/2017	23:47:22	1619	3.3	9.04	395.7			
09/14/2017	23:48:22	1693	3.3	9.04	398.9			
09/14/2017	23:49:22	1751	3.3	9.05	402.2			
09/14/2017	23:50:22	1771	3.3	8.45	405.5			
09/14/2017	23:51:22	1869	3.3	8.69	408.8			
09/14/2017	23:52:22	1827	3.3	8.42	412.2			
09/14/2017	23:53:22	1872	3.3	8.51	415.5			
09/14/2017	23:54:22	1943	3.3	9.06	418.8			
09/14/2017	23:55:22	1821	2.3	8.79	422.0			
09/14/2017	23:56:22	1723	2.3	8.38	424.2			
09/14/2017	23:57:22	1735	2.3	8.36	426.5			
09/14/2017	23:58:22	2368	2.3	8.36	428.8			
09/14/2017	23:59:22	2410	0.0	8.36	429.0			
09/15/2017	00:00:00	2418	0.0	8.36	429.0	10 Bbl Cement to Surface		
09/15/2017	00:00:22	2422	0.0	8.36	429.0			
09/15/2017	00:00:23	2422	0.0	8.36	429.0	Bump Top Plug 1800-2450		
09/15/2017	00:00:24	2422	0.0	8.36	429.0	End Displacement		
09/15/2017	00:00:28	2423	0.0	8.36	429.0	Reset Total, Vol = 221.6 bbl		
09/15/2017	00:01:22	2432	0.0	8.37	429.0			
09/15/2017	00:02:22	2	0.0	8.36	429.0			
09/15/2017	00:02:27	2	0.0	8.37	429.0	Floats hold, 2 Bbl Back		
09/15/2017	00:02:30	2	0.0	8.36	429.0	Start 15 min, 3k psi Casing Test		
09/15/2017	00:03:22	1350	2.3	8.49	430.1			
09/15/2017	00:04:22	3048	0.5	8.38	431.8			
09/15/2017	00:05:22	3048	0.0	8.40	431.8			
09/15/2017	00:06:22	3056	0.0	8.41	431.8			
09/15/2017	00:07:22	3060	0.0	8.40	431.8			
09/15/2017	00:08:22	3066	0.0	8.40	431.8			
09/15/2017	00:09:22	3073	0.0	8.39	431.8			
09/15/2017	00:10:22	3080	0.0	8.39	431.8			

Well		Field		Job Start		Customer		Job Number	
Norden 27N-14HZ		Wattenberg		Sep/14/2017		Anadarko		DMBW-01431	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/15/2017	00:12:22	3090	0.0	8.39	431.8				
09/15/2017	00:13:22	3095	0.0	8.39	431.8				
09/15/2017	00:14:22	3101	0.0	8.39	431.8				
09/15/2017	00:15:22	3107	0.0	8.38	431.8				
09/15/2017	00:16:22	3112	0.0	8.38	431.8				
09/15/2017	00:17:22	3114	0.0	8.38	431.8				
09/15/2017	00:17:52	3117	0.0	8.38	431.8	End Casing Test			
09/15/2017	00:18:22	3119	0.0	8.38	431.8				
09/15/2017	00:18:25	3119	0.0	8.38	431.8	End Job			
09/15/2017	00:19:22	9	0.0	8.38	431.8				
09/15/2017	00:20:16	2	0.0	8.37	431.8	End Job			
09/15/2017	00:20:22	1	0.0	8.37	431.8				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
4.3			6.7	2.8	0.0	0.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
4896	2	1003	2450			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	10.0 bbl	
%	0.0 bbl	0.0 bbl	72 degF	Washed Thru Perfs	<input type="checkbox"/>	To	ft	
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>	
Josh Johnson	Ryan Drilling/Ken Sovereign			-		-		