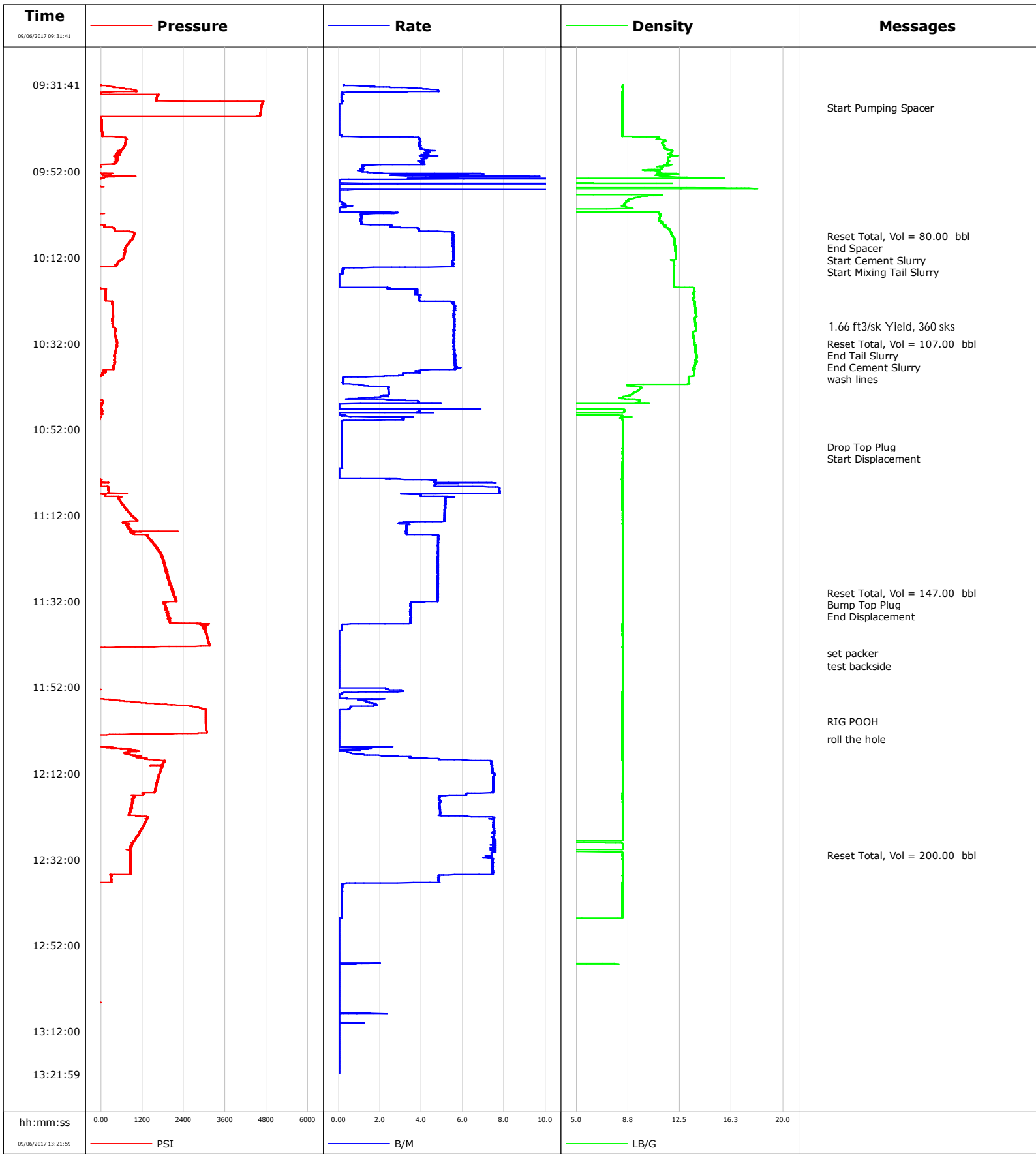


Well	NORDEN 1N-14HZ	Client	ANADARKO
Field	WATTENBERG	SIR No.	2570182
Engineer	NORM HASLAUER	Job Type	LINER
Country	United States	Job Date	09-06-2017



					Customer			Job Number				
					ANADARKO			2570182				
Well			Location (legal)			Schlumberger Location			Job Start			
NORDEN 1N-14HZ									Sep/06/2017			
Field		Formation Name/Type			Deviation		Bit Size		Well MD		Well TVD	
WATTENBERG		Clean-Sandstone			deg		in		11964.0 m		7331.3 m	
County		State/Province			BHP		BHST		BHCT		Pore Press. Gradient	
WELD		Colorado			psi		228.00 degF		224.00 degF		lb/gal	
Well Master		API/UWI										
0631692323												
Rig Name	Drilled For		Service Via		Casing/Liner							
X24	Oil & Gas		Land		Depth, m		Size, in		Weight, lb/ft		Grade	Thread
Offshore Zone	Well Class		Well Type		6354.0		7.0		26.0			
	New		Development		0.0		0.0		0.0			
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe							
		lb/gal	cP		T/D	Depth, m	Size, in	Weight, lb/ft		Grade	Thread	
Service Line	Job Type											
Cementing	LINER											
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole							
psi	psi		4" FH DP pin		Top, m		Bottom, m		shot/ft	No. of Shots	Total Interval	
Service Instructions					m	m					m	
					m	m					Diameter	
					m	m					in	
Treat Down		Displacement		Packer Type		Packer Depth						
Drill Pipe		151.0 bbl		Seal Bore		6123.0 m						
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.						
bbl		91.0 bbl		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		2400.0 psi			Shoe Type		Float		Squeeze Type			
Pipe Rotated		Pipe Reciprocated			Shoe Depth		11988.0 m		Tool Type			
<input type="checkbox"/>		<input type="checkbox"/>										
No. Centralizers		Top Plugs	Bottom Plugs		Stage Tool Type			Tool Depth				
								m				
Cement Head Type				Stage Tool Depth			Tail Pipe Size					
				m			in					
Job Scheduled For		Arrived on Location		Leave Location		Collar Type		Float		Tail Pipe Depth		
Sep/06/2017		Sep/06/2017		Sep/06/2017						m		
						Collar Depth		11942.0 m		Sqz. Total Vol.		
										bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message					
09/06/2017	09:31:41	0.3	0.2	8.34	0.0	0	Start Job					
09/06/2017	09:32:11	209.7	1.8	8.34	0.0	0						
09/06/2017	09:32:41	658.6	3.9	8.34	0.0	0						
09/06/2017	09:33:11	1029.7	4.8	8.34	0.0	0						
09/06/2017	09:33:41	-16.3	0.1	8.33	0.0	0						
09/06/2017	09:34:11	1656.6	0.1	8.33	0.0	0						
09/06/2017	09:34:41	1618.8	0.1	8.33	0.0	0						
09/06/2017	09:35:11	1609.1	0.1	8.33	0.0	0						
09/06/2017	09:35:41	4721.3	0.2	8.34	0.0	0						
09/06/2017	09:36:11	4675.3	0.1	8.33	0.0	0						
09/06/2017	09:36:41	4657.5	0.0	8.33	0.0	0						
09/06/2017	09:37:00	4648.9	0.0	8.33	0.0	0	Start Pumping Spacer					
09/06/2017	09:37:11	4644.7	0.0	8.33	0.0	0						
09/06/2017	09:37:41	4634.1	0.0	8.33	0.0	0						
09/06/2017	09:38:11	4623.2	0.0	8.33	0.0	0						
09/06/2017	09:38:41	4614.0	0.0	8.33	0.0	0						
09/06/2017	09:39:11	65.8	0.0	8.33	0.0	0						
09/06/2017	09:39:41	11.4	0.0	8.33	0.0	0						
09/06/2017	09:40:11	20.0	0.0	8.34	0.0	0						
09/06/2017	09:40:41	24.9	0.0	8.33	0.0	0						
09/06/2017	09:41:11	26.6	0.0	8.34	0.0	0						

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	09:42:11	27.2	0.0	8.34	0.0	0		
09/06/2017	09:42:41	28.6	0.0	8.33	0.0	0		
09/06/2017	09:43:11	29.5	0.0	8.34	0.0	0		
09/06/2017	09:43:41	30.0	0.1	8.33	0.0	0		
09/06/2017	09:44:11	711.0	3.9	11.00	0.0	0		
09/06/2017	09:44:41	715.0	3.9	11.42	0.0	11		
09/06/2017	09:45:11	705.5	3.9	11.25	0.0	7		
09/06/2017	09:45:41	700.7	3.9	11.26	0.0	0		
09/06/2017	09:46:11	673.8	3.9	11.36	0.0	7		
09/06/2017	09:46:41	633.4	4.0	11.46	0.0	1		
09/06/2017	09:47:11	584.2	4.4	11.91	0.0	15		
09/06/2017	09:47:41	470.1	4.2	11.87	0.0	22		
09/06/2017	09:48:11	538.7	4.0	11.92	0.0	48		
09/06/2017	09:48:41	456.9	4.2	11.63	0.0	44		
09/06/2017	09:49:11	420.9	4.0	11.64	0.0	66		
09/06/2017	09:49:41	467.2	4.1	11.64	0.0	80		
09/06/2017	09:50:11	417.7	4.0	11.57	0.0	91		
09/06/2017	09:50:41	-22.3	1.3	11.54	0.0	87		
09/06/2017	09:51:11	-32.9	1.2	11.17	0.0	87		
09/06/2017	09:51:41	-51.2	1.1	9.92	0.0	79		
09/06/2017	09:52:11	-66.4	1.5	11.04	0.0	85		
09/06/2017	09:52:41	60.1	3.2	11.22	0.0	92		
09/06/2017	09:53:11	395.4	9.7	11.91	0.0	87		
09/06/2017	09:53:41	-12.3	21.4	0.06	0.0	90		
09/06/2017	09:54:11	-89.6	0.0	-0.04	0.0	91		
09/06/2017	09:54:41	-92.4	1.2	6.23	0.0	89		
09/06/2017	09:55:11	-91.8	0.0	-0.04	0.0	89		
09/06/2017	09:55:41	-83.5	0.0	12.99	0.0	0		
09/06/2017	09:56:11	-88.4	10.1	-0.03	0.0	0		
09/06/2017	09:56:41	-101.3	0.0	-0.04	0.0	0		
09/06/2017	09:57:11	-100.7	0.0	-0.04	0.0	0		
09/06/2017	09:57:41	-95.8	0.0	10.06	0.0	0		
09/06/2017	09:58:11	-95.3	0.0	9.20	0.0	0		
09/06/2017	09:58:41	-94.7	0.0	8.70	0.0	0		
09/06/2017	09:59:11	-95.0	0.2	8.55	0.0	0		
09/06/2017	09:59:41	-96.4	0.2	8.47	0.0	0		
09/06/2017	10:00:11	-94.7	0.3	8.57	0.0	0		
09/06/2017	10:00:41	-94.4	0.0	1.56	0.0	0		
09/06/2017	10:01:11	-48.4	0.0	-0.04	0.0	0		
09/06/2017	10:01:41	-6.3	2.7	10.98	0.0	0		
09/06/2017	10:02:11	-65.2	1.1	11.05	0.0	0		
09/06/2017	10:02:41	-69.8	1.1	11.01	0.0	0		
09/06/2017	10:03:11	-73.8	1.1	10.99	0.0	0		
09/06/2017	10:03:41	-76.4	1.1	11.21	0.0	0		
09/06/2017	10:04:11	-77.8	1.1	11.26	0.0	0		
09/06/2017	10:04:41	113.0	2.5	11.39	0.0	0		
09/06/2017	10:05:11	400.5	3.8	11.64	0.0	0		
09/06/2017	10:05:41	396.0	3.9	11.78	0.0	0		
09/06/2017	10:06:11	956.7	5.5	11.86	0.0	0		
09/06/2017	10:06:41	966.8	5.5	11.90	0.0	0		
09/06/2017	10:07:00	943.9	5.5	11.97	0.0	0	Reset Total, Vol = 80.00 bbl	
09/06/2017	10:07:11	949.6	5.5	11.99	0.0	0		
09/06/2017	10:07:41	905.2	5.5	12.11	0.0	2		
09/06/2017	10:08:00	872.1	5.5	12.11	0.0	1	End Spacer	

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	10:08:41	795.9	5.5	12.10	0.0	1		
09/06/2017	10:09:11	735.3	5.5	12.14	0.0	3		
09/06/2017	10:09:41	710.1	5.5	12.17	0.0	3		
09/06/2017	10:10:11	700.7	5.5	12.17	0.0	3		
09/06/2017	10:10:41	695.2	5.5	12.18	0.0	4		
09/06/2017	10:11:11	684.9	5.6	12.19	0.0	4		
09/06/2017	10:11:41	660.0	5.6	12.20	0.0	4		
09/06/2017	10:12:00	654.6	5.5	12.20	0.0	4	Start Cement Slurry	
09/06/2017	10:12:06	649.2	5.5	12.20	0.0	4	Start Mixing Tail Slurry	
09/06/2017	10:12:11	643.5	5.6	12.20	0.0	4		
09/06/2017	10:12:41	537.6	5.5	12.01	0.0	30		
09/06/2017	10:13:11	490.4	5.5	12.07	0.0	79		
09/06/2017	10:13:41	464.1	5.5	12.07	0.0	86		
09/06/2017	10:14:11	-26.9	5.2	12.05	0.0	89		
09/06/2017	10:14:41	-91.6	0.3	12.04	0.0	0		
09/06/2017	10:15:11	-91.8	0.2	12.04	0.0	0		
09/06/2017	10:15:41	-91.3	0.2	12.04	0.0	0		
09/06/2017	10:16:11	-91.0	0.0	12.04	0.0	0		
09/06/2017	10:16:41	-92.1	0.0	12.04	0.0	0		
09/06/2017	10:17:11	-93.0	0.0	12.04	0.0	0		
09/06/2017	10:17:41	-93.0	0.0	12.04	0.0	0		
09/06/2017	10:18:11	-93.0	0.0	12.05	0.0	0		
09/06/2017	10:18:41	-93.8	0.0	12.04	0.0	0		
09/06/2017	10:19:11	-7.7	2.4	13.52	0.0	38		
09/06/2017	10:19:41	138.2	3.8	13.52	0.0	39		
09/06/2017	10:20:11	138.8	3.8	13.48	0.0	47		
09/06/2017	10:20:41	138.5	3.9	13.52	0.0	47		
09/06/2017	10:21:11	135.6	3.9	13.54	0.0	36		
09/06/2017	10:21:41	133.0	3.9	13.46	0.0	42		
09/06/2017	10:22:11	319.0	4.7	13.58	0.0	45		
09/06/2017	10:22:41	328.2	5.5	13.57	0.0	44		
09/06/2017	10:23:11	330.7	5.6	13.60	0.0	45		
09/06/2017	10:23:41	340.2	5.6	13.63	0.0	45		
09/06/2017	10:24:11	340.8	5.6	13.62	0.0	42		
09/06/2017	10:24:41	336.7	5.6	13.63	0.0	45		
09/06/2017	10:25:11	339.6	5.6	13.66	0.0	37		
09/06/2017	10:25:41	343.0	5.6	13.68	0.0	37		
09/06/2017	10:26:11	331.3	5.6	13.55	0.0	37		
09/06/2017	10:26:41	336.7	5.6	13.59	0.0	38		
09/06/2017	10:27:11	337.6	5.6	13.61	0.0	35		
09/06/2017	10:27:41	337.9	5.6	13.63	0.0	35		
09/06/2017	10:28:11	353.1	5.6	13.65	0.0	35		
09/06/2017	10:28:41	416.3	5.6	13.67	0.0	33		
09/06/2017	10:29:11	418.0	5.6	13.55	0.0	39		
09/06/2017	10:29:41	399.1	5.6	13.45	0.0	38		
09/06/2017	10:30:11	413.1	5.5	13.48	0.0	36		
09/06/2017	10:30:41	426.6	5.6	13.50	0.0	37		
09/06/2017	10:31:11	448.3	5.6	13.51	0.0	37		
09/06/2017	10:31:41	465.2	5.6	13.53	0.0	34		
09/06/2017	10:32:00	466.1	5.6	13.54	0.0	34	Reset Total, Vol = 107.00 bbl	
09/06/2017	10:32:07	465.2	5.6	13.53	0.0	51	End Tail Slurry	
09/06/2017	10:32:11	461.2	5.6	13.53	0.0	52		
09/06/2017	10:32:30	468.9	5.6	13.63	0.0	48	End Cement Slurry	
09/06/2017	10:32:41	465.2	5.6	13.62	0.0	47		

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	10:33:41	424.3	5.6	13.62	0.0	46		
09/06/2017	10:34:00	411.7	5.6	13.64	0.0	44	wash lines	
09/06/2017	10:34:11	406.0	5.6	13.65	0.0	43		
09/06/2017	10:34:41	392.8	5.6	13.69	0.0	43		
09/06/2017	10:35:11	400.5	5.6	13.73	0.0	42		
09/06/2017	10:35:41	395.1	5.6	13.66	0.0	45		
09/06/2017	10:36:11	398.5	5.6	13.75	0.0	44		
09/06/2017	10:36:41	398.3	5.6	13.64	0.0	46		
09/06/2017	10:37:11	371.7	5.6	13.60	0.0	45		
09/06/2017	10:37:41	364.8	5.7	13.54	0.0	52		
09/06/2017	10:38:11	135.3	4.0	13.45	0.0	67		
09/06/2017	10:38:41	131.6	3.9	13.53	0.0	79		
09/06/2017	10:39:11	35.8	3.1	13.53	0.0	79		
09/06/2017	10:39:41	-62.9	2.1	13.20	0.0	81		
09/06/2017	10:40:11	-89.0	0.2	13.14	0.0	0		
09/06/2017	10:40:41	-83.8	0.2	13.14	0.0	0		
09/06/2017	10:41:11	-84.7	0.2	13.14	0.0	0		
09/06/2017	10:41:41	-41.8	1.1	8.64	0.0	77		
09/06/2017	10:42:11	-38.9	2.4	9.69	0.0	84		
09/06/2017	10:42:41	-40.3	2.4	9.58	0.0	89		
09/06/2017	10:43:11	-42.1	2.4	9.36	0.0	89		
09/06/2017	10:43:41	-43.8	2.4	9.06	0.0	89		
09/06/2017	10:44:11	-49.8	2.3	8.89	0.0	88		
09/06/2017	10:45:11	31.2	2.6	9.57	0.0	86		
09/06/2017	10:45:41	51.2	3.8	9.51	0.0	87		
09/06/2017	10:46:11	34.9	0.0	0.05	0.0	0		
09/06/2017	10:46:41	-1.7	0.0	0.17	0.0	0		
09/06/2017	10:47:11	12.0	0.0	0.30	0.0	75		
09/06/2017	10:47:41	29.2	3.9	8.48	0.0	80		
09/06/2017	10:48:11	-96.4	0.0	-0.00	0.0	84		
09/06/2017	10:48:41	-111.9	0.3	8.24	0.0	0		
09/06/2017	10:49:11	-21.5	3.1	8.34	0.0	75		
09/06/2017	10:49:41	-42.1	3.1	8.33	0.0	0		
09/06/2017	10:50:11	-106.1	0.1	8.34	0.0	0		
09/06/2017	10:50:41	-102.1	0.2	8.34	0.0	0		
09/06/2017	10:51:11	-101.3	0.2	8.34	0.0	0		
09/06/2017	10:51:41	-95.3	0.2	8.34	0.0	0		
09/06/2017	10:52:11	-94.7	0.2	8.34	0.0	0		
09/06/2017	10:52:41	-92.1	0.2	8.34	0.0	0		
09/06/2017	10:53:11	-91.3	0.1	8.34	0.0	0		
09/06/2017	10:53:41	-91.8	0.2	8.34	0.0	0		
09/06/2017	10:54:11	-91.3	0.2	8.34	0.0	0		
09/06/2017	10:54:41	-91.6	0.2	8.34	0.0	0		
09/06/2017	10:55:11	-91.3	0.2	8.34	0.0	0		
09/06/2017	10:55:41	-91.6	0.1	8.34	0.0	0		
09/06/2017	10:56:00	-91.6	0.1	8.34	0.0	0	Drop Top Plug	
09/06/2017	10:56:10	-91.8	0.2	8.34	0.0	0	Start Displacement	
09/06/2017	10:56:11	-90.7	0.2	8.34	0.0	0		
09/06/2017	10:56:41	-90.7	0.2	8.34	0.0	0		
09/06/2017	10:57:11	-90.7	0.1	8.34	0.0	0		
09/06/2017	10:57:41	-91.3	0.2	8.34	0.0	0		
09/06/2017	10:58:11	-91.0	0.2	8.34	0.0	0		
09/06/2017	10:58:41	-91.0	0.2	8.34	0.0	0		
09/06/2017	10:59:11	-90.7	0.2	8.34	0.0	0		

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	11:00:11	-91.0	0.2	8.34	0.0	0		
09/06/2017	11:00:41	-91.3	0.2	8.34	0.0	0		
09/06/2017	11:01:11	-91.3	0.0	8.34	0.0	0		
09/06/2017	11:01:41	-96.4	0.0	8.34	0.0	0		
09/06/2017	11:02:11	-96.4	0.0	8.34	0.0	0		
09/06/2017	11:02:41	-96.1	0.0	8.34	0.0	0		
09/06/2017	11:03:11	-80.4	0.0	8.33	0.0	0		
09/06/2017	11:03:41	22.0	3.7	8.29	0.0	0		
09/06/2017	11:04:11	8.9	4.6	8.34	0.0	0		
09/06/2017	11:04:41	13.2	4.7	8.34	0.0	0		
09/06/2017	11:05:11	-5.2	4.6	8.34	0.0	0		
09/06/2017	11:05:41	214.0	7.8	8.34	0.0	0		
09/06/2017	11:06:11	215.7	7.8	8.34	0.0	0		
09/06/2017	11:06:41	215.7	7.8	8.34	0.0	0		
09/06/2017	11:07:11	121.0	3.9	8.34	0.0	0		
09/06/2017	11:07:41	571.1	5.5	8.34	0.0	0		
09/06/2017	11:08:11	518.1	5.1	8.34	0.0	0		
09/06/2017	11:08:41	563.1	5.1	8.34	0.0	0		
09/06/2017	11:09:11	608.8	5.2	8.34	0.0	0		
09/06/2017	11:09:41	653.5	5.1	8.34	0.0	0		
09/06/2017	11:10:11	704.1	5.1	8.34	0.0	0		
09/06/2017	11:10:41	737.9	5.1	8.34	0.0	0		
09/06/2017	11:11:11	840.0	5.1	8.34	0.0	0		
09/06/2017	11:11:41	860.0	5.1	8.34	0.0	0		
09/06/2017	11:12:11	911.2	5.1	8.34	0.0	0		
09/06/2017	11:12:41	976.5	5.1	8.34	0.0	0		
09/06/2017	11:13:11	1054.6	5.1	8.34	0.0	0		
09/06/2017	11:13:41	630.0	3.0	8.34	0.0	0		
09/06/2017	11:14:11	754.7	3.3	8.34	0.0	0		
09/06/2017	11:14:41	751.6	3.3	8.34	0.0	0		
09/06/2017	11:15:11	856.3	3.3	8.34	0.0	0		
09/06/2017	11:15:41	928.4	3.3	8.34	0.0	0		
09/06/2017	11:16:11	944.7	3.3	8.34	0.0	0		
09/06/2017	11:16:41	1314.4	4.8	8.34	0.0	0		
09/06/2017	11:17:11	1374.7	4.8	8.34	0.0	0		
09/06/2017	11:17:41	1442.8	4.8	8.34	0.0	0		
09/06/2017	11:18:11	1471.7	4.8	8.34	0.0	0		
09/06/2017	11:18:41	1531.0	4.8	8.34	0.0	0		
09/06/2017	11:19:11	1569.3	4.8	8.34	0.0	0		
09/06/2017	11:19:41	1625.9	4.8	8.34	0.0	0		
09/06/2017	11:20:11	1658.6	4.8	8.34	0.0	0		
09/06/2017	11:20:41	1704.3	4.8	8.34	0.0	0		
09/06/2017	11:21:11	1755.3	4.8	8.34	0.0	0		
09/06/2017	11:21:41	1747.8	4.8	8.34	0.0	0		
09/06/2017	11:22:11	1803.9	4.8	8.34	0.0	0		
09/06/2017	11:22:41	1841.7	4.8	8.34	0.0	0		
09/06/2017	11:23:11	1826.8	4.8	8.34	0.0	0		
09/06/2017	11:23:41	1875.7	4.8	8.34	0.0	0		
09/06/2017	11:24:11	1848.8	4.8	8.34	0.0	0		
09/06/2017	11:24:41	1901.2	4.8	8.34	0.0	0		
09/06/2017	11:25:11	1890.3	4.8	8.34	0.0	0		
09/06/2017	11:25:41	1923.5	4.8	8.34	0.0	0		
09/06/2017	11:26:11	1936.1	4.8	8.34	0.0	0		
09/06/2017	11:26:41	1957.3	4.8	8.34	0.0	0		

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	11:27:41	1987.3	4.8	8.34	0.0	0		
09/06/2017	11:28:11	1998.2	4.8	8.34	0.0	0		
09/06/2017	11:28:41	2049.7	4.8	8.34	0.0	0		
09/06/2017	11:29:11	2043.1	4.8	8.34	0.0	0		
09/06/2017	11:29:41	2101.2	4.8	8.34	0.0	0		
09/06/2017	11:30:00	2094.9	4.8	8.34	0.0	0	Reset Total, Vol = 147.00 bbl	
09/06/2017	11:30:11	2083.7	4.8	8.34	0.0	0		
09/06/2017	11:30:41	2112.0	4.8	8.34	0.0	0		
09/06/2017	11:31:00	2158.1	4.8	8.34	0.0	0	Bump Top Plug	
09/06/2017	11:31:11	2142.4	4.8	8.34	0.0	0		
09/06/2017	11:31:41	2165.5	4.8	8.34	0.0	0		
09/06/2017	11:32:11	1848.0	3.6	8.34	0.0	0		
09/06/2017	11:32:41	1859.1	3.5	8.34	0.0	0		
09/06/2017	11:33:11	1855.1	3.5	8.34	0.0	0		
09/06/2017	11:33:41	1897.5	3.5	8.34	0.0	0		
09/06/2017	11:34:11	1900.0	3.5	8.34	0.0	0		
09/06/2017	11:34:41	1952.1	3.5	8.34	0.0	0		
09/06/2017	11:35:11	1928.4	3.5	8.34	0.0	0		
09/06/2017	11:35:41	1942.1	3.5	8.34	0.0	0		
09/06/2017	11:36:11	1991.0	3.5	8.34	0.0	0		
09/06/2017	11:36:41	1992.2	3.5	8.34	0.0	0		
09/06/2017	11:37:11	2927.4	3.4	8.34	0.0	0		
09/06/2017	11:37:41	3055.9	0.2	8.34	0.0	0		
09/06/2017	11:38:11	2984.9	0.2	8.34	0.0	0		
09/06/2017	11:38:41	3046.2	0.2	8.34	0.0	0		
09/06/2017	11:39:11	3032.4	0.0	8.34	0.0	0		
09/06/2017	11:39:41	3058.8	0.0	8.34	0.0	0		
09/06/2017	11:40:11	3075.1	0.0	8.34	0.0	0		
09/06/2017	11:40:41	3086.5	0.0	8.34	0.0	0		
09/06/2017	11:41:11	3110.5	0.0	8.34	0.0	0		
09/06/2017	11:41:41	3125.4	0.0	8.34	0.0	0		
09/06/2017	11:42:11	3143.7	0.0	8.34	0.0	0		
09/06/2017	11:42:41	548.2	0.0	8.34	0.0	0		
09/06/2017	11:43:11	-103.3	0.0	8.34	0.0	0		
09/06/2017	11:43:41	-102.7	0.0	8.34	0.0	0		
09/06/2017	11:44:00	-102.4	0.0	8.34	0.0	0	set packer	
09/06/2017	11:44:11	-102.1	0.0	8.34	0.0	0		
09/06/2017	11:44:41	-101.6	0.0	8.34	0.0	0		
09/06/2017	11:45:11	-100.7	0.0	8.34	0.0	0		
09/06/2017	11:45:41	-101.0	0.0	8.34	0.0	0		
09/06/2017	11:46:11	-101.0	0.0	8.34	0.0	0		
09/06/2017	11:46:41	-101.9	0.0	8.34	0.0	0		
09/06/2017	11:47:00	-100.7	0.0	8.34	0.0	0	test backside	
09/06/2017	11:47:11	-101.0	0.0	8.34	0.0	0		
09/06/2017	11:47:41	-100.4	0.0	8.34	0.0	0		
09/06/2017	11:48:11	-100.1	0.0	8.34	0.0	0		
09/06/2017	11:48:41	-99.9	0.0	8.34	0.0	0		
09/06/2017	11:49:11	-99.3	0.0	8.34	0.0	0		
09/06/2017	11:49:41	-98.7	0.0	8.34	0.0	0		
09/06/2017	11:50:11	-99.9	0.0	8.34	0.0	0		
09/06/2017	11:50:41	-100.1	0.0	8.34	0.0	0		
09/06/2017	11:51:11	-99.6	0.0	8.34	0.0	0		
09/06/2017	11:51:41	-98.7	0.0	8.34	0.0	0		
09/06/2017	11:52:11	-50.4	0.0	8.34	0.0	0		

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	11:53:11	-114.7	0.6	8.34	0.0	0		
09/06/2017	11:53:41	-102.7	0.0	8.34	0.0	0		
09/06/2017	11:54:11	-99.0	0.0	8.34	0.0	0		
09/06/2017	11:54:41	5.1	1.5	8.33	0.0	0		
09/06/2017	11:55:11	654.9	1.3	8.33	0.0	0		
09/06/2017	11:55:41	1314.7	1.6	8.33	0.0	0		
09/06/2017	11:56:11	2207.9	1.8	8.34	0.0	0		
09/06/2017	11:56:41	2804.4	0.6	8.34	0.0	0		
09/06/2017	11:57:11	3032.4	0.5	8.34	0.0	0		
09/06/2017	11:57:41	3033.0	0.0	8.33	0.0	0		
09/06/2017	11:58:11	3031.0	0.0	8.33	0.0	0		
09/06/2017	11:58:41	3031.9	0.0	8.34	0.0	0		
09/06/2017	11:59:11	3033.9	0.0	8.34	0.0	0		
09/06/2017	11:59:41	3036.4	0.0	8.34	0.0	0		
09/06/2017	12:00:00	3039.0	0.0	8.34	0.0	0	RIG POOH	
09/06/2017	12:00:11	3040.2	0.0	8.34	0.0	0		
09/06/2017	12:00:41	3044.7	0.0	8.34	0.0	0		
09/06/2017	12:01:11	3048.8	0.0	8.34	0.0	0		
09/06/2017	12:01:41	3053.3	0.0	8.34	0.0	0		
09/06/2017	12:02:11	3058.2	0.0	8.33	0.0	0		
09/06/2017	12:02:41	2826.2	0.0	8.34	0.0	0		
09/06/2017	12:03:11	-105.0	0.0	8.33	0.0	0		
09/06/2017	12:03:41	-101.0	0.0	8.33	0.0	0		
09/06/2017	12:04:00	-100.1	0.0	8.34	0.0	0	roll the hole	
09/06/2017	12:04:11	-99.6	0.0	8.34	0.0	0		
09/06/2017	12:04:41	-99.6	0.0	8.34	0.0	0		
09/06/2017	12:05:11	-95.6	0.0	8.33	0.0	0		
09/06/2017	12:05:41	-91.8	0.0	8.34	0.0	0		
09/06/2017	12:06:11	288.4	1.5	8.33	0.0	0		
09/06/2017	12:06:41	984.2	0.4	8.33	0.0	0		
09/06/2017	12:07:11	686.7	0.6	8.33	0.0	0		
09/06/2017	12:07:41	839.2	1.2	8.34	0.0	0		
09/06/2017	12:08:11	1100.4	3.5	8.34	0.0	0		
09/06/2017	12:08:41	1250.3	4.8	8.34	0.0	0		
09/06/2017	12:09:11	1852.0	7.4	8.34	0.0	0		
09/06/2017	12:09:41	1806.2	7.4	8.34	0.0	0		
09/06/2017	12:10:11	1424.0	7.4	8.34	0.0	0		
09/06/2017	12:10:41	1763.0	7.4	8.34	0.0	0		
09/06/2017	12:11:11	1734.4	7.4	8.34	0.0	0		
09/06/2017	12:11:41	1720.1	7.4	8.34	0.0	0		
09/06/2017	12:12:11	1693.8	7.5	8.38	0.0	27		
09/06/2017	12:12:41	1668.9	7.5	8.37	0.0	19		
09/06/2017	12:13:11	1651.1	7.5	8.36	0.0	3		
09/06/2017	12:13:41	1631.4	7.5	8.36	0.0	1		
09/06/2017	12:14:11	1614.2	7.5	8.36	0.0	1		
09/06/2017	12:14:41	1602.2	7.5	8.35	0.0	0		
09/06/2017	12:15:11	1595.6	7.5	8.35	0.0	0		
09/06/2017	12:15:41	1577.3	7.5	8.34	0.0	0		
09/06/2017	12:16:11	1568.4	7.5	8.34	0.0	0		
09/06/2017	12:16:41	1229.4	6.2	8.34	0.0	1		
09/06/2017	12:17:11	955.3	5.1	8.34	0.0	5		
09/06/2017	12:17:41	932.1	4.9	8.33	0.0	0		
09/06/2017	12:18:11	906.1	4.9	8.34	0.0	11		
09/06/2017	12:18:41	902.1	4.9	8.34	0.0	0		

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	12:19:41	869.2	4.8	8.35	0.0	0		
09/06/2017	12:20:11	850.3	4.9	8.35	0.0	0		
09/06/2017	12:20:41	863.5	4.9	8.35	0.0	0		
09/06/2017	12:21:11	848.6	4.9	8.35	0.0	0		
09/06/2017	12:21:41	820.8	4.9	8.35	0.0	0		
09/06/2017	12:22:11	1367.3	7.3	8.35	0.0	10		
09/06/2017	12:22:41	1329.0	7.4	8.35	0.0	12		
09/06/2017	12:23:11	1298.4	7.5	8.35	0.0	10		
09/06/2017	12:23:41	1262.0	7.5	8.35	0.0	10		
09/06/2017	12:24:11	1228.3	7.5	8.35	0.0	5		
09/06/2017	12:24:41	1198.8	7.5	8.35	0.0	7		
09/06/2017	12:25:11	1175.6	7.5	8.36	0.0	8		
09/06/2017	12:25:41	1125.0	7.5	8.35	0.0	1		
09/06/2017	12:26:11	1101.5	7.5	8.35	0.0	9		
09/06/2017	12:26:41	1063.5	7.5	8.35	0.0	69		
09/06/2017	12:27:11	1010.5	7.5	8.35	0.0	0		
09/06/2017	12:27:41	973.3	7.5	1.06	0.0	0		
09/06/2017	12:28:11	934.7	7.6	5.34	0.0	0		
09/06/2017	12:28:41	903.2	7.6	8.34	0.0	0		
09/06/2017	12:29:11	875.8	7.5	8.34	0.0	0		
09/06/2017	12:29:41	852.0	7.6	8.34	0.0	0		
09/06/2017	12:30:11	839.7	7.5	-0.04	0.0	0		
09/06/2017	12:30:41	854.9	7.4	8.34	0.0	0		
09/06/2017	12:31:00	854.9	7.4	8.33	0.0	0	Reset Total, Vol = 200.00 bbl	
09/06/2017	12:31:11	837.7	7.3	8.33	0.0	0		
09/06/2017	12:31:41	860.0	7.3	8.34	0.0	0		
09/06/2017	12:32:11	859.2	7.4	8.34	0.0	0		
09/06/2017	12:32:41	862.0	7.4	8.34	0.0	0		
09/06/2017	12:33:11	850.9	7.4	8.34	0.0	0		
09/06/2017	12:33:41	847.4	7.4	8.34	0.0	0		
09/06/2017	12:34:11	869.5	7.4	8.34	0.0	0		
09/06/2017	12:34:41	854.6	7.4	8.34	0.0	0		
09/06/2017	12:35:11	864.6	7.4	8.34	0.0	0		
09/06/2017	12:35:41	290.1	5.3	8.34	0.0	0		
09/06/2017	12:36:11	303.3	4.8	8.34	0.0	0		
09/06/2017	12:36:41	319.9	4.8	8.34	0.0	0		
09/06/2017	12:37:11	299.6	4.8	8.34	0.0	0		
09/06/2017	12:37:41	-102.1	0.2	8.34	0.0	0		
09/06/2017	12:38:11	-91.0	0.2	8.34	0.0	0		
09/06/2017	12:38:41	-101.0	0.2	8.34	0.0	0		
09/06/2017	12:39:11	-99.0	0.2	8.34	0.0	0		
09/06/2017	12:39:41	-98.7	0.2	8.34	0.0	0		
09/06/2017	12:40:11	-97.3	0.2	8.34	0.0	0		
09/06/2017	12:40:41	-97.8	0.2	8.34	0.0	0		
09/06/2017	12:41:11	-97.6	0.2	8.34	0.0	0		
09/06/2017	12:41:41	-97.8	0.2	8.34	0.0	0		
09/06/2017	12:42:11	-97.3	0.2	8.34	0.0	0		
09/06/2017	12:42:41	-97.0	0.2	8.34	0.0	0		
09/06/2017	12:43:11	-97.6	0.2	8.34	0.0	0		
09/06/2017	12:43:41	-97.8	0.2	8.34	0.0	0		
09/06/2017	12:44:11	-97.3	0.2	8.34	0.0	0		
09/06/2017	12:44:41	-97.8	0.2	8.34	0.0	0		
09/06/2017	12:45:11	-97.3	0.2	8.34	0.0	0		
09/06/2017	12:45:41	-72.7	0.2	8.34	0.0	0		

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	12:46:41	-72.4	0.0	0.01	0.0	0		
09/06/2017	12:47:11	-84.4	0.0	-0.01	0.0	0		
09/06/2017	12:47:41	-97.0	0.0	-0.01	0.0	0		
09/06/2017	12:48:11	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:48:41	-97.0	0.0	-0.01	0.0	0		
09/06/2017	12:49:11	-96.7	0.0	-0.01	0.0	0		
09/06/2017	12:49:41	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:50:11	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:50:41	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:51:11	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:51:41	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:52:11	-97.0	0.0	-0.01	0.0	0		
09/06/2017	12:52:41	-97.6	0.0	-0.01	0.0	0		
09/06/2017	12:53:11	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:53:41	-96.7	0.0	-0.01	0.0	0		
09/06/2017	12:54:11	-97.6	0.0	-0.01	0.0	0		
09/06/2017	12:54:41	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:55:11	-97.0	0.0	-0.04	0.0	0		
09/06/2017	12:55:41	-97.0	0.0	-0.04	0.0	0		
09/06/2017	12:56:11	-94.7	0.1	1.01	0.0	0		
09/06/2017	12:56:41	-97.3	0.0	-0.00	0.0	0		
09/06/2017	12:57:11	-97.0	0.0	-0.01	0.0	0		
09/06/2017	12:57:41	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:58:11	-98.4	0.0	-0.01	0.0	0		
09/06/2017	12:58:41	-97.8	0.0	-0.01	0.0	0		
09/06/2017	12:59:11	-97.3	0.0	-0.01	0.0	0		
09/06/2017	12:59:41	-97.3	0.0	-0.01	0.0	0		
09/06/2017	13:00:11	-97.6	0.0	-0.01	0.0	0		
09/06/2017	13:00:41	-97.8	0.0	-0.01	0.0	0		
09/06/2017	13:01:11	-97.6	0.0	-0.01	0.0	0		
09/06/2017	13:01:41	-97.6	0.0	-0.01	0.0	0		
09/06/2017	13:02:11	-97.3	0.0	-0.01	0.0	0		
09/06/2017	13:02:41	-97.0	0.0	-0.01	0.0	0		
09/06/2017	13:03:11	-97.3	0.0	-0.01	0.0	0		
09/06/2017	13:03:41	-97.6	0.0	-0.01	0.0	0		
09/06/2017	13:04:11	-97.8	0.0	-0.01	0.0	0		
09/06/2017	13:04:41	-97.6	0.0	-0.01	0.0	0		
09/06/2017	13:05:11	-97.6	0.0	-0.01	0.0	0		
09/06/2017	13:05:41	-100.1	0.0	-0.01	0.0	0		
09/06/2017	13:06:11	-99.9	0.0	-0.01	0.0	0		
09/06/2017	13:06:41	-99.6	0.0	-0.01	0.0	0		
09/06/2017	13:07:11	-99.3	0.0	-0.01	0.0	0		
09/06/2017	13:07:41	-75.5	0.0	1.74	0.0	0		
09/06/2017	13:08:11	-79.5	0.0	0.54	0.0	0		
09/06/2017	13:08:41	-77.5	0.0	0.03	0.0	0		
09/06/2017	13:09:11	-75.2	0.0	-0.01	0.0	0		
09/06/2017	13:09:41	-79.8	0.0	-0.01	0.0	0		
09/06/2017	13:10:11	-77.8	0.0	0.06	0.0	0		
09/06/2017	13:10:41	-85.5	0.0	-0.01	0.0	0		
09/06/2017	13:11:11	-90.7	0.0	-0.01	0.0	0		
09/06/2017	13:11:41	-93.6	0.0	-0.01	0.0	0		
09/06/2017	13:12:11	-95.8	0.0	-0.01	0.0	0		
09/06/2017	13:12:41	-97.3	0.0	-0.02	0.0	0		
09/06/2017	13:13:11	-94.1	0.0	-0.01	0.0	0		

Well			Field		Job Start	Customer		Job Number
NORDEN 1N-14HZ			WATTENBERG		Sep/06/2017	ANADARKO		2570182
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/06/2017	13:14:11	-93.0	0.0	-0.01	0.0	0		
09/06/2017	13:14:41	-93.3	0.0	-0.01	0.0	0		
09/06/2017	13:15:11	-93.0	0.0	-0.01	0.0	0		
09/06/2017	13:15:41	-93.3	0.0	-0.01	0.0	0		
09/06/2017	13:16:11	-93.3	0.0	-0.01	0.0	0		
09/06/2017	13:16:41	-93.0	0.0	-0.01	0.0	0		
09/06/2017	13:17:11	-93.3	0.0	-0.01	0.0	0		
09/06/2017	13:17:41	-93.3	0.0	-0.01	0.0	0		
09/06/2017	13:18:11	-93.3	0.0	-0.01	0.0	0		
09/06/2017	13:18:41	-91.0	0.0	-0.01	0.0	0		
09/06/2017	13:19:11	-89.8	0.0	-0.01	0.0	0		
09/06/2017	13:19:41	-91.0	0.0	-0.01	0.0	0		
09/06/2017	13:20:11	-92.1	0.0	-0.01	0.0	0		
09/06/2017	13:20:41	-95.8	0.0	-0.02	0.0	0		
09/06/2017	13:21:11	-97.3	0.0	-0.02	0.0	0		

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
	0.0		3300.0			bbl	lb/gal
Avg. N2 Percent %	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	5.0 bbl
	105.0 bbl	bbl	65.00 degF	Washed Thru Perfs	<input type="checkbox"/>	To	m
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	<input type="checkbox"/>	Job Completed
LEVI ROGERS			NORM HASLAUER		-		<input checked="" type="checkbox"/>