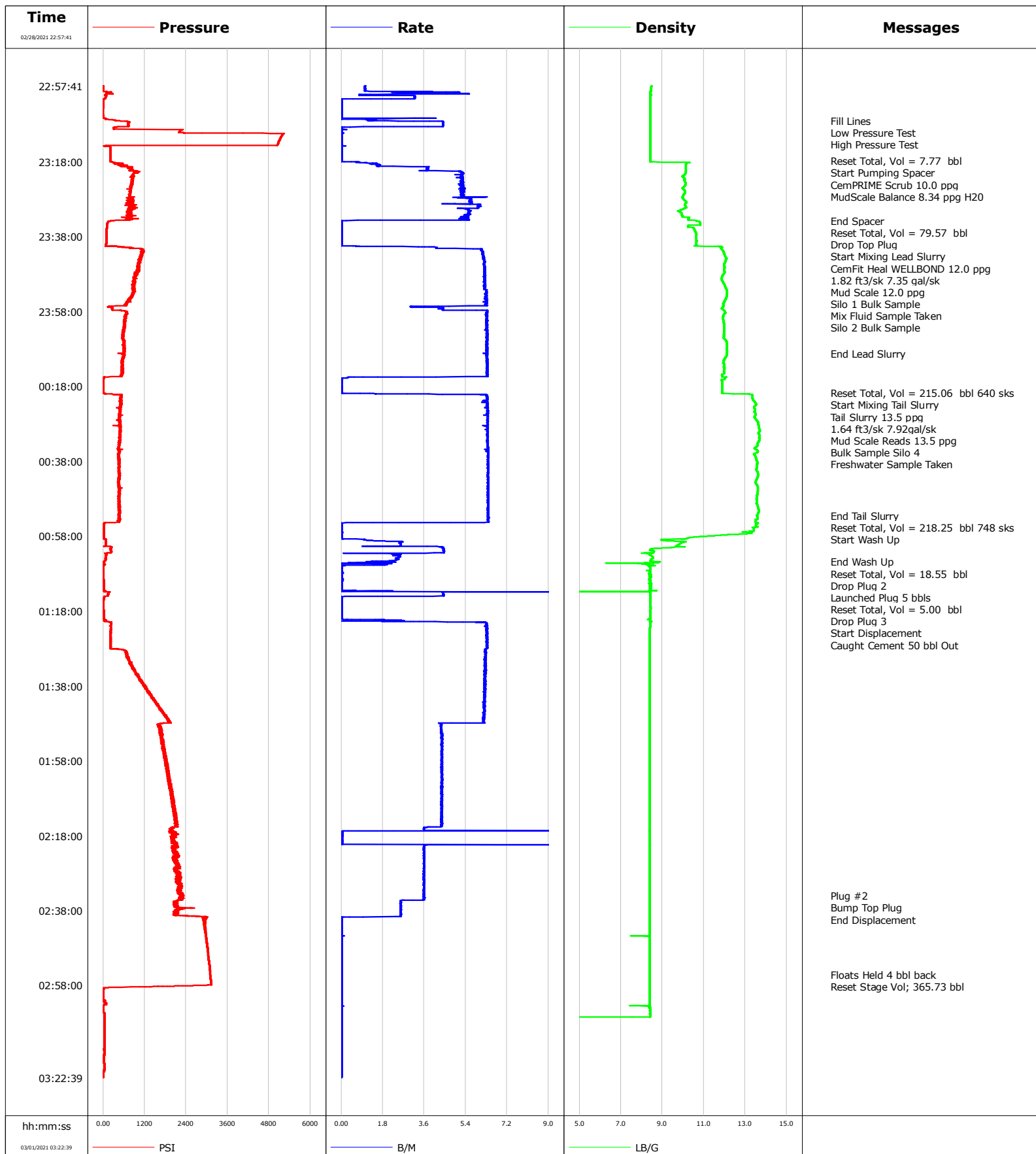


Well Nelson 35-19HZ
Field Wattenburg
Engineer Marco Arrington
Country US

Client Anadarko Petroleum Company
SIR No. EAJ7-01761
Job Type Longstring Production
Job Date 02-28-2021



				Customer Anadarko Petroleum Company			Job Number EAJ7-01761				
Well Nelson 35-19HZ 19HZ			Location (legal) P461			Schlumberger Location			Job Start Feb/28/2021		
Field Wattenburg		Formation Name/Type Shale		Deviation deg		Bit Size 7.9 in		Well MD 15827.0 ft		Well TVD 7367.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 230 degF		BHCT 230 degF		Pore Press. Gradient lb/gal	
Well Master 66139576		API/UWI 05-123-31242-00-00									
Rig Name P-461		Drilled For Oil		Service Via Land		Casing/ Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		1870.0		9.6		36.0	
						15768.0		5.5		17.0	
Drilling Fluid Type Oil Mud		Max. Density 9.50 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
Service Line Cementing		Job Type Longstring Production									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Double Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down Casing		Displacement 365.8 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 365.7 bbl		Annular Vol. 519.0 bbl	
										Openhole Vol. 429.5 bbl	
Casing/Tubing Secured <input 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 15768.6 ft				Tool Type	
No. Centralizers 344		Top Plugs 2		Bottom Plugs 1		Stage Tool Type				Tool Depth ft	
Cement Head Type						Stage Tool Depth ft				Tail Pipe Size in	
Job Scheduled For Feb/28/2021 20:30		Arrived on Location Feb/28/2021 20:30		Leave Location Feb/28/2021		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 15760.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	RED PSI	Message					
02/28/2021	22:57:41	1.0	8.47	0.0	7	Reset Total, Vol = 0.00 bbl					
02/28/2021	22:59:06	1.0	8.46	0.0	7						
02/28/2021	23:00:31	3.2	8.40	0.0	80						
02/28/2021	23:01:56	0.0	8.40	0.0	6						
02/28/2021	23:03:21	0.0	8.40	0.0	3						
02/28/2021	23:04:46	0.0	8.40	0.0	-1						
02/28/2021	23:06:11	0.0	8.41	0.0	9						
02/28/2021	23:07:00	1.2	8.41	0.0	401	Fill Lines					
02/28/2021	23:07:36	4.4	8.40	0.0	731						
02/28/2021	23:09:01	0.0	8.41	0.0	303						
02/28/2021	23:09:22	0.3	8.41	0.0	2299	Low Pressure Test					
02/28/2021	23:10:26	0.0	8.41	0.0	5229						
02/28/2021	23:10:42	0.0	8.41	0.0	5191	High Pressure Test					
02/28/2021	23:11:51	0.0	8.41	0.0	5118						
02/28/2021	23:13:16	0.0	8.41	0.0	5055						
02/28/2021	23:14:41	0.0	8.41	0.0	207						
02/28/2021	23:16:06	0.0	8.41	0.0	211						
02/28/2021	23:17:31	0.0	8.41	0.0	209						
02/28/2021	23:17:45	0.0	8.41	0.0	210	Reset Total, Vol = 7.77 bbl					
02/28/2021	23:18:10	0.7	10.29	0.0	288	Start Pumping Spacer					
02/28/2021	23:18:56	1.7	10.13	0.0	709						

Well Nelson 35-19HZ 19HZ			Field Wattenburg		Job Start Feb/28/2021	Customer Anadarko Petroleum Company	Job Number EAJ7-01761
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	RED PSI	Message	
02/28/2021	23:20:21	3.7	10.13	0.0	803		
02/28/2021	23:21:46	5.2	9.98	0.0	868		
02/28/2021	23:23:11	5.2	10.08	0.0	851		
02/28/2021	23:24:36	5.3	10.05	0.0	825		
02/28/2021	23:26:01	5.3	10.09	0.0	813		
02/28/2021	23:27:26	6.2	9.98	0.0	832		
02/28/2021	23:28:51	5.6	10.16	0.0	859		
02/28/2021	23:30:16	6.0	10.15	0.0	920		
02/28/2021	23:31:41	5.6	9.91	0.0	720		
02/28/2021	23:33:06	5.5	10.26	0.0	795		
02/28/2021	23:33:39	0.7	10.57	0.0	327	End Spacer	
02/28/2021	23:33:46	0.0	10.64	0.0	221	Reset Total, Vol = 79.57 bbl	
02/28/2021	23:34:31	0.0	10.82	0.0	121		
02/28/2021	23:35:56	0.0	10.53	0.0	100		
02/28/2021	23:36:00	0.0	10.54	0.0	100	Drop Top Plug	
02/28/2021	23:37:21	0.0	10.64	0.0	93		
02/28/2021	23:38:46	0.0	10.64	0.0	89		
02/28/2021	23:40:11	0.0	10.63	0.0	86		
02/28/2021	23:41:22	6.1	11.85	0.0	1093	Start Mixing Lead Slurry	
02/28/2021	23:41:36	6.1	11.90	0.0	1158		
02/28/2021	23:42:13	6.1	11.96	0.0	1096	CemFit Heal WELLBOND 12.0 ppg	
02/28/2021	23:43:01	6.2	12.01	0.0	1075		
02/28/2021	23:43:41	6.2	12.07	0.0	1085	1.82 ft3/sk 7.35 gal/sk	
02/28/2021	23:44:26	6.2	12.04	0.0	1112		
02/28/2021	23:44:50	6.2	12.03	0.0	1031	Mud Scale 12.0 ppg	
02/28/2021	23:45:35	6.2	11.97	0.0	1055	Silo 1 Bulk Sample	
02/28/2021	23:45:51	6.2	11.98	0.0	988		
02/28/2021	23:47:16	6.2	11.99	0.0	991		
02/28/2021	23:48:41	6.2	11.88	0.0	972		
02/28/2021	23:50:06	6.2	11.92	0.0	876		
02/28/2021	23:51:31	6.2	12.04	0.0	884		
02/28/2021	23:52:56	6.3	12.12	0.0	849		
02/28/2021	23:53:50	6.3	12.10	0.0	868	Mix Fluid Sample Taken	
02/28/2021	23:54:21	6.3	12.07	0.0	781		
02/28/2021	23:55:46	6.3	11.95	0.0	707		
02/28/2021	23:57:11	4.4	11.86	0.0	259		
02/28/2021	23:58:36	6.3	11.99	0.0	702		
03/01/2021	00:00:01	6.3	11.93	0.0	648		
03/01/2021	00:01:11	6.3	11.97	0.0	627	Silo 2 Bulk Sample	
03/01/2021	00:01:26	6.3	11.97	0.0	639		
03/01/2021	00:02:51	6.3	11.97	0.0	610		
03/01/2021	00:04:16	6.3	11.96	0.0	613		
03/01/2021	00:05:41	6.3	12.05	0.0	588		
03/01/2021	00:07:06	6.3	12.11	0.0	625		
03/01/2021	00:08:31	6.3	12.11	0.0	597		
03/01/2021	00:09:15	6.3	12.10	0.0	621	End Lead Slurry	
03/01/2021	00:09:56	6.3	12.08	0.0	566		
03/01/2021	00:11:21	6.3	11.96	0.0	544		
03/01/2021	00:12:46	6.3	11.96	0.0	530		
03/01/2021	00:14:11	6.3	11.97	0.0	545		
03/01/2021	00:15:36	0.3	12.05	0.0	27		
03/01/2021	00:17:01	0.0	11.87	0.0	12		
03/01/2021	00:18:26	0.0	11.88	0.0	12		
03/01/2021	00:19:45	0.0	11.88	0.0	13	Reset Total, Vol = 215.06 bbl 640 sks	

Well Nelson 35-19HZ 19HZ			Field Wattenburg		Job Start Feb/28/2021	Customer Anadarko Petroleum Company	Job Number EAJ7-01761
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	RED PSI	Message	
03/01/2021	00:20:28	6.3	13.34	0.0	545	Start Mixing Tail Slurry	
03/01/2021	00:20:31	6.3	13.34	0.0	534	Tail Slurry 13.5 ppg	
03/01/2021	00:21:16	6.3	13.35	0.0	500		
03/01/2021	00:21:52	6.3	13.41	0.0	486	1.64 ft3/sk 7.92gal/sk	
03/01/2021	00:22:41	6.3	13.51	0.0	495		
03/01/2021	00:24:06	6.4	13.46	0.0	518		
03/01/2021	00:25:31	6.3	13.49	0.0	508		
03/01/2021	00:26:56	6.3	13.52	0.0	441		
03/01/2021	00:27:33	6.4	13.61	0.0	485	Mud Scale Reads 13.5 ppg	
03/01/2021	00:27:49	6.4	13.62	0.0	494	Bulk Sample Silo 4	
03/01/2021	00:28:21	6.4	13.64	0.0	508		
03/01/2021	00:29:46	6.3	13.69	0.0	487		
03/01/2021	00:31:11	6.3	13.67	0.0	499		
03/01/2021	00:32:08	6.3	13.66	0.0	467	Freshwater Sample Taken	
03/01/2021	00:32:36	6.4	13.66	0.0	490		
03/01/2021	00:34:01	6.4	13.55	0.0	463		
03/01/2021	00:35:26	6.4	13.60	0.0	481		
03/01/2021	00:36:51	6.4	13.49	0.0	441		
03/01/2021	00:38:16	6.4	13.58	0.0	486		
03/01/2021	00:39:41	6.4	13.55	0.0	457		
03/01/2021	00:41:06	6.4	13.60	0.0	491		
03/01/2021	00:42:31	6.4	13.57	0.0	478		
03/01/2021	00:43:56	6.4	13.50	0.0	438		
03/01/2021	00:45:21	6.4	13.60	0.0	487		
03/01/2021	00:46:46	6.4	13.58	0.0	447		
03/01/2021	00:48:11	6.4	13.54	0.0	482		
03/01/2021	00:49:36	6.4	13.57	0.0	453		
03/01/2021	00:51:01	6.4	13.64	0.0	484		
03/01/2021	00:52:26	6.4	13.54	0.0	478		
03/01/2021	00:52:31	6.4	13.55	0.0	490	End Tail Slurry	
03/01/2021	00:53:51	6.4	13.49	0.0	441		
03/01/2021	00:54:24	1.4	13.61	0.0	43	Reset Total, Vol = 218.25 bbl 748 sks	
03/01/2021	00:55:16	0.0	13.50	0.0	23		
03/01/2021	00:56:41	0.0	13.37	0.0	21		
03/01/2021	00:56:48	0.0	13.41	0.0	21	Start Wash Up	
03/01/2021	00:58:06	0.0	10.96	0.0	20		
03/01/2021	00:59:31	2.7	10.14	0.0	84		
03/01/2021	01:00:56	4.4	9.57	0.0	264		
03/01/2021	01:02:21	4.4	8.57	0.0	249		
03/01/2021	01:03:46	2.5	8.55	0.0	74		
03/01/2021	01:04:50	1.7	8.87	0.0	22	End Wash Up	
03/01/2021	01:05:11	1.9	8.60	0.0	15		
03/01/2021	01:06:29	0.0	8.40	0.0	13	Reset Total, Vol = 18.55 bbl	
03/01/2021	01:06:36	0.0	8.40	0.0	13		
03/01/2021	01:08:01	0.0	8.39	0.0	11		
03/01/2021	01:09:26	0.0	8.39	0.0	11		
03/01/2021	01:10:00	0.1	8.43	0.0	17	Drop Plug 2	
03/01/2021	01:10:01	0.0	8.39	0.0	17	Launched Plug 5 bbls	
03/01/2021	01:10:51	0.0	8.40	0.0	17		
03/01/2021	01:12:16	0.0	8.43	0.0	17		
03/01/2021	01:13:41	4.4	8.42	0.0	142		
03/01/2021	01:14:09	0.1	8.42	0.0	38	Reset Total, Vol = 5.00 bbl	
03/01/2021	01:15:06	0.0	8.42	0.0	14		
03/01/2021	01:16:31	0.0	8.42	0.0	10		

Well Nelson 35-19HZ 19HZ			Field Wattenburg		Job Start Feb/28/2021	Customer Anadarko Petroleum Company	Job Number EAJ7-01761
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	RED PSI	Message	
03/01/2021	01:18:00	0.0	8.42	0.0	22	Start Displacement	
03/01/2021	01:19:21	0.0	8.40	0.0	20		
03/01/2021	01:20:46	1.8	8.49	0.0	68		
03/01/2021	01:22:11	6.3	8.41	0.0	228		
03/01/2021	01:23:36	6.3	8.39	0.0	215		
03/01/2021	01:25:01	6.3	8.39	0.0	222		
03/01/2021	01:26:11	6.3	8.39	0.0	215	Caught Cement 50 bbl Out	
03/01/2021	01:26:26	6.3	8.39	0.0	220		
03/01/2021	01:27:51	6.3	8.39	0.0	217		
03/01/2021	01:29:16	6.3	8.39	0.0	677		
03/01/2021	01:30:41	6.3	8.39	0.0	743		
03/01/2021	01:32:06	6.3	8.39	0.0	841		
03/01/2021	01:33:31	6.3	8.38	0.0	914		
03/01/2021	01:34:56	6.2	8.39	0.0	991		
03/01/2021	01:36:21	6.3	8.38	0.0	1043		
03/01/2021	01:37:46	6.2	8.38	0.0	1156		
03/01/2021	01:39:11	6.2	8.38	0.0	1301		
03/01/2021	01:40:36	6.3	8.38	0.0	1398		
03/01/2021	01:42:01	6.2	8.38	0.0	1490		
03/01/2021	01:43:26	6.2	8.38	0.0	1593		
03/01/2021	01:44:51	6.2	8.38	0.0	1733		
03/01/2021	01:46:16	6.2	8.38	0.0	1808		
03/01/2021	01:47:41	6.2	8.38	0.0	1940		
03/01/2021	01:49:06	4.3	8.38	0.0	1627		
03/01/2021	01:50:31	4.3	8.38	0.0	1684		
03/01/2021	01:51:56	4.4	8.38	0.0	1725		
03/01/2021	01:53:21	4.4	8.38	0.0	1708		
03/01/2021	01:54:46	4.4	8.38	0.0	1708		
03/01/2021	01:56:11	4.4	8.38	0.0	1770		
03/01/2021	01:57:36	4.4	8.38	0.0	1841		
03/01/2021	01:59:01	4.4	8.38	0.0	1820		
03/01/2021	02:00:26	4.4	8.39	0.0	1871		
03/01/2021	02:01:51	4.4	8.39	0.0	1859		
03/01/2021	02:03:16	4.4	8.39	0.0	1928		
03/01/2021	02:04:41	4.4	8.39	0.0	1922		
03/01/2021	02:06:06	4.4	8.39	0.0	2018		
03/01/2021	02:07:31	4.3	8.39	0.0	2027		
03/01/2021	02:08:56	4.4	8.38	0.0	2001		
03/01/2021	02:10:21	4.4	8.38	0.0	2046		
03/01/2021	02:11:46	4.4	8.38	0.0	2117		
03/01/2021	02:13:11	4.4	8.39	0.0	2138		
03/01/2021	02:14:36	4.4	8.39	0.0	2101		
03/01/2021	02:16:01	3.6	8.39	0.0	2030		
03/01/2021	02:17:26	0.0	8.39	0.0	1986		
03/01/2021	02:18:51	0.0	8.39	0.0	2035		
03/01/2021	02:20:16	0.0	8.39	0.0	2046		
03/01/2021	02:23:06	3.6	8.39	0.0	2111		
03/01/2021	02:24:31	3.6	8.39	0.0	2121		
03/01/2021	02:25:56	3.6	8.39	0.0	2121		
03/01/2021	02:27:21	3.6	8.39	0.0	2082		
03/01/2021	02:28:46	3.6	8.39	0.0	2198		
03/01/2021	02:30:11	3.6	8.39	0.0	2140		
03/01/2021	02:31:36	3.6	8.39	0.0	2235		
03/01/2021	02:33:01	3.6	8.39	0.0	2167		

Well Nelson 35-19HZ 19HZ			Field Wattenburg		Job Start Feb/28/2021	Customer Anadarko Petroleum Company	Job Number EAJ7-01761
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	RED PSI	Message	
03/01/2021	02:34:26	3.6	8.39	0.0	2288		
03/01/2021	02:35:51	2.6	8.39	0.0	2055		
03/01/2021	02:36:13	2.6	8.39	0.0	2069	Bump Top Plug	
03/01/2021	02:36:16	2.6	8.39	0.0	2165	End Displacement	
03/01/2021	02:37:16	2.6	8.39	0.0	2326		
03/01/2021	02:38:41	2.6	8.39	0.0	2068		
03/01/2021	02:40:06	0.0	8.39	0.0	3008		
03/01/2021	02:41:31	0.0	8.39	0.0	2969		
03/01/2021	02:42:56	0.0	8.39	0.0	2962		
03/01/2021	02:44:21	0.0	8.39	0.0	2976		
03/01/2021	02:45:46	0.0	8.39	0.0	2990		
03/01/2021	02:47:11	0.0	8.39	0.0	3008		
03/01/2021	02:48:36	0.0	8.39	0.0	3023		
03/01/2021	02:50:01	0.0	8.39	0.0	3041		
03/01/2021	02:51:26	0.0	8.39	0.0	3058		
03/01/2021	02:52:51	0.0	8.39	0.0	3074		
03/01/2021	02:54:16	0.0	8.39	0.0	3091		
03/01/2021	02:55:05	0.0	8.39	0.0	3100	Floats Held 4 bbl back	
03/01/2021	02:55:08	0.0	8.39	0.0	3100	Reset Stage Vol; 365.73 bbl	
03/01/2021	02:55:41	0.0	8.39	0.0	3107		
03/01/2021	02:57:06	0.0	8.39	0.0	3122		
03/01/2021	02:58:31	0.0	8.39	0.0	408		
03/01/2021	02:59:56	0.0	8.39	0.0	12		
03/01/2021	03:01:21	0.0	8.39	0.0	11		
03/01/2021	03:02:46	0.0	8.39	0.0	78		
03/01/2021	03:04:11	0.0	8.40	0.0	9		
03/01/2021	03:05:36	0.0	8.40	0.0	35		
03/01/2021	03:07:01	0.0	0.04	0.0	32		
03/01/2021	03:08:26	0.0	0.02	0.0	32		
03/01/2021	03:09:51	0.0	0.01	0.0	31		
03/01/2021	03:11:16	0.0	0.85	0.0	30		
03/01/2021	03:12:41	0.0	0.02	0.0	30		
03/01/2021	03:14:06	0.0	-0.00	0.0	29		
03/01/2021	03:15:31	0.0	0.00	0.0	30		
03/01/2021	03:16:56	0.0	-0.00	0.0	29		
03/01/2021	03:18:21	0.0	-0.00	0.0	28		
03/01/2021	03:19:46	0.0	-0.00	0.0	29		
03/01/2021	03:21:11	0.0	-0.00	0.0	7		

Well Nelson 35-19HZ 19HZ	Field Wattenburg	Job Start Feb/28/2021	Customer Anadarko Petroleum Company	Job Number EAJ7-01761
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.2	N2	Mud	Maximum Rate 0.0		Total Slurry 432.0	Mud 0.0	Spacer 80.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 0	Final 215	Average 594	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 425.0 bbl	Displacement 366.0 bbl	Mix Water Temp 75 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative			Schlumberger Supervisor Marco Arrington			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
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