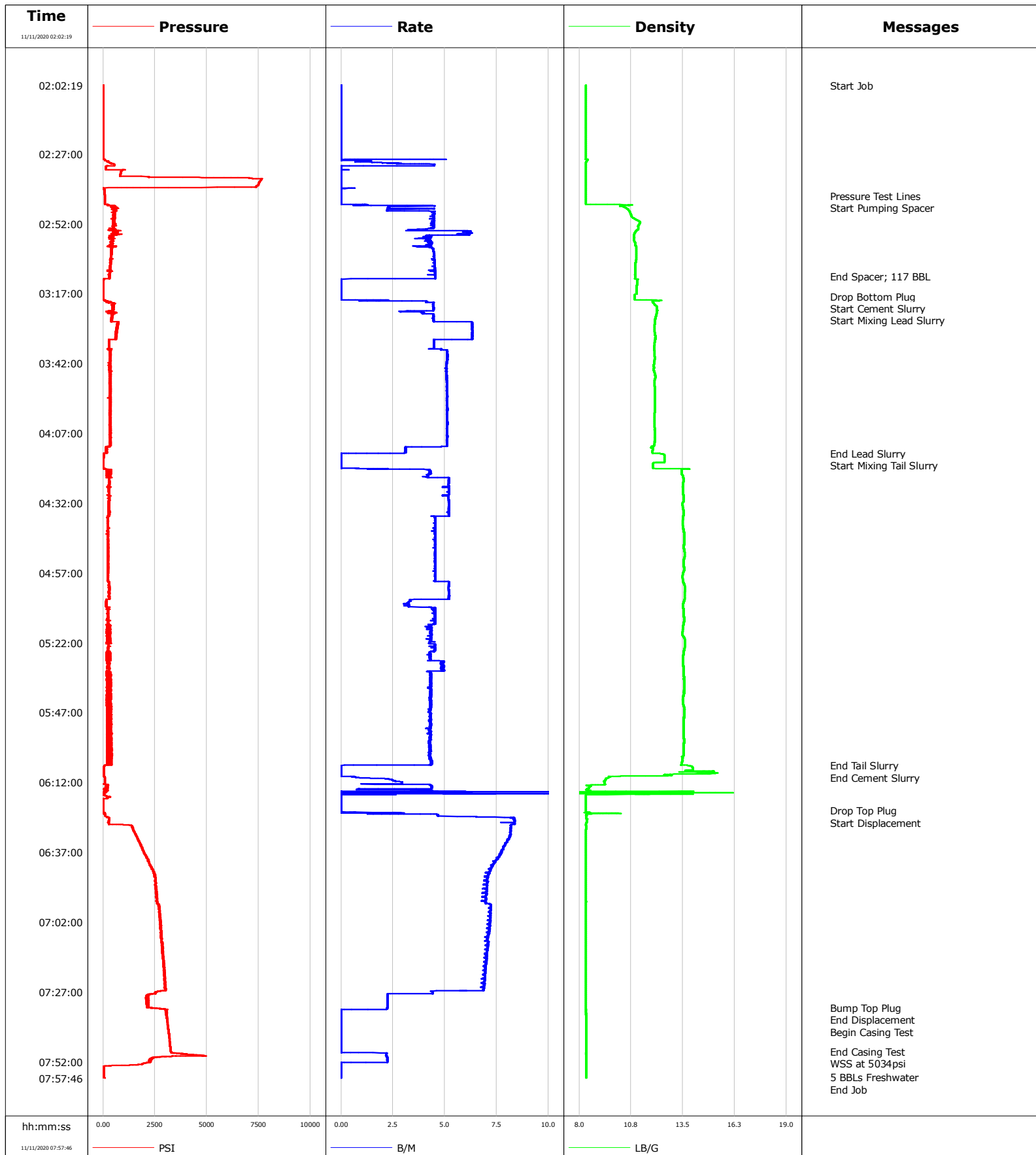


Well Cummings 19-1HZ
Field Wattenberg
Engineer Tyler Devillier
Country United States

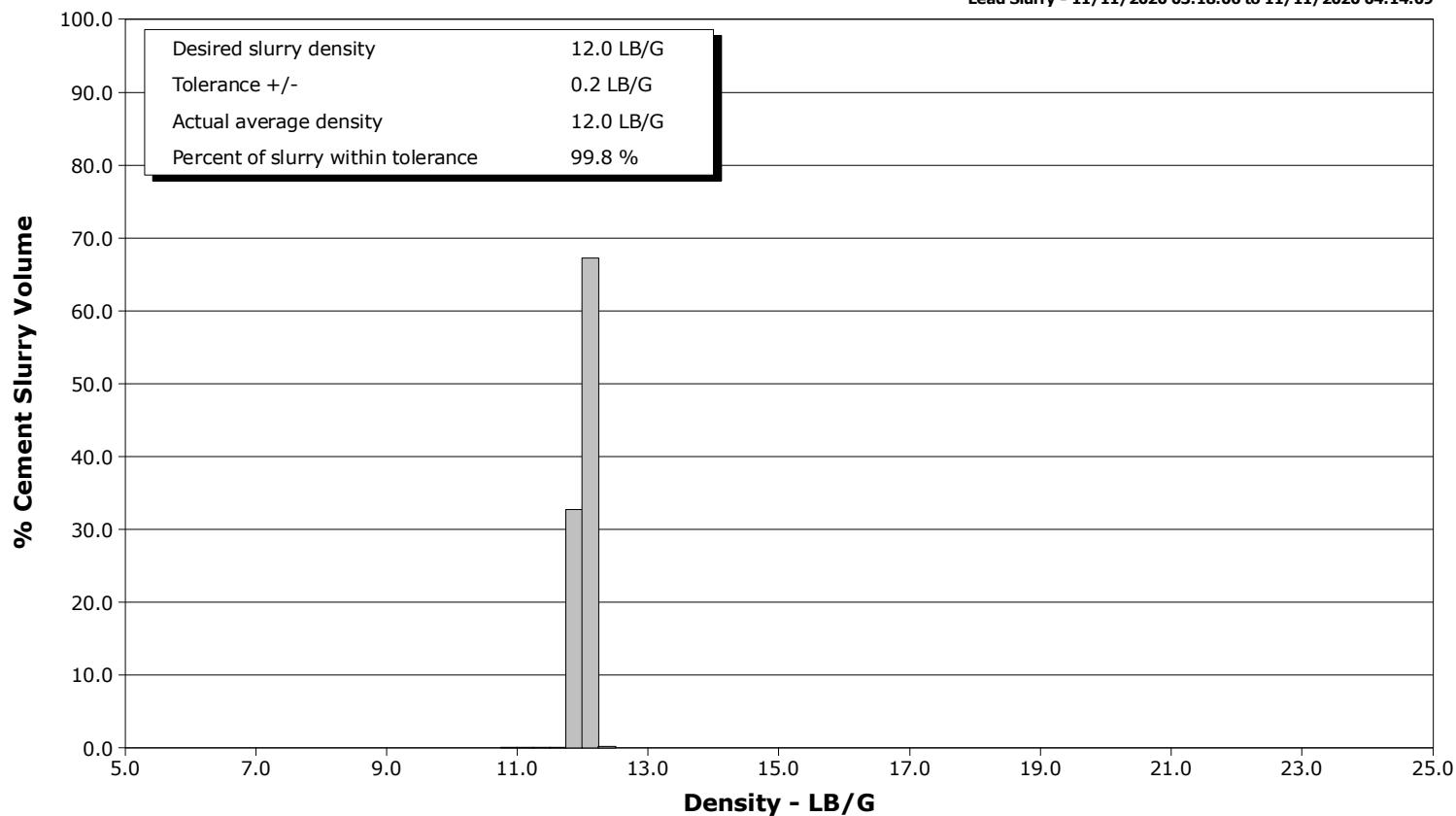
Client Oxy
SIR No. EAJ7-01407
Job Type Production
Job Date 11-10-2020



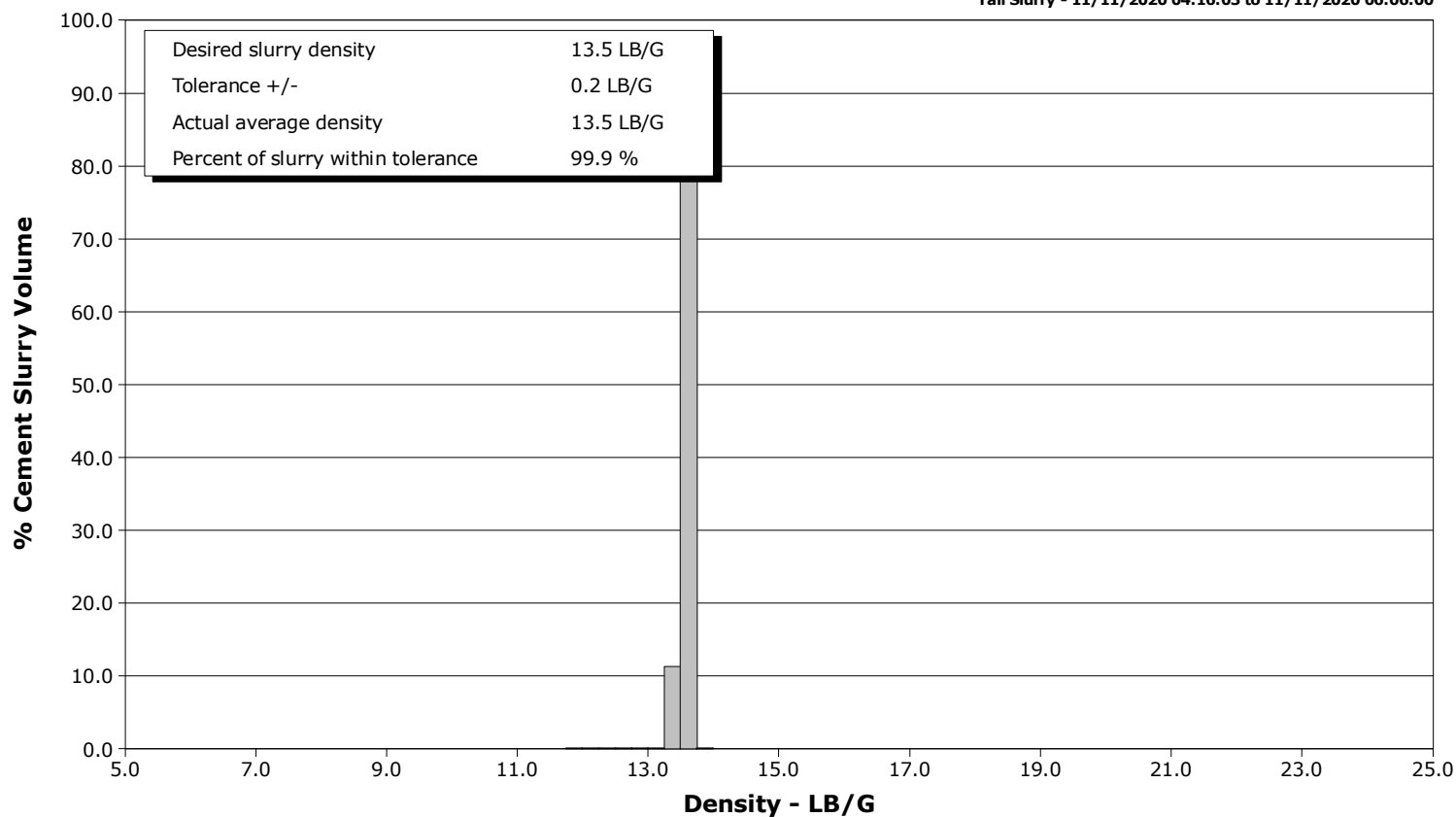
Well Cummings 19-1HZ
Field Wattenberg
Engineer Tyler Devillier
Country United States

Client Oxy
SIR No. EAJ7-01407
Job Type Production
Job Date 11-10-2020

Lead Slurry - 11/11/2020 03:18:06 to 11/11/2020 04:14:09



Tail Slurry - 11/11/2020 04:16:03 to 11/11/2020 06:06:00



				Customer Oxy		Job Number EAJ7-01407	
Well Cummings 19-1HZ 1		Location (legal) PD461		Schlumberger Location Cheyenne		Job Start Nov/10/2020	
Field Wattenberg		Formation Name/Type		Deviation deg	Bit Size in	Well MD 20411.0 ft	Well TVD 6894.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 230 degF	BHCT 230 degF	Pore Press. Gradient lb/gal
Well Master 0065987124		API/UWI 05-123-50811-00-00					
Rig Name PD461	Drilled For	Service Via	Casing/Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class New	Well Type Development	20411.0	5.5	17.0	J55	8RD
			1906.0	9.6	36.0	P110	8RD
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing	Job Type 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
			ft	ft			Diameter in
			ft	ft			
			Treat Down	Displacement bbl	Packer Type	Packer Depth ft	
			Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input 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 20411.0 ft		Tool Type	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth ft	
Cement Head Type Double				Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Nov/10/2020		Arrived on Location Nov/10/2020	Leave Location Nov/10/2020	Collar Type Float		Tail Pipe Depth ft	
				Collar Depth 19541.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	02:02:19	8	0.0	8.36	Stopped Acquisition		
11/11/2020	02:02:23	8	0.0	8.35	Start Job		
11/11/2020	02:02:49	8	0.0	8.36			
11/11/2020	02:03:19	8	0.0	8.36			
11/11/2020	02:03:49	7	0.0	8.36			
11/11/2020	02:04:19	8	0.0	8.36			
11/11/2020	02:04:49	8	0.0	8.36			
11/11/2020	02:05:19	7	0.0	8.35			
11/11/2020	02:05:49	8	0.0	8.36			
11/11/2020	02:06:19	8	0.0	8.36			
11/11/2020	02:06:49	8	0.0	8.36			
11/11/2020	02:07:19	9	0.0	8.36			
11/11/2020	02:07:49	8	0.0	8.36			
11/11/2020	02:08:19	8	0.0	8.36			
11/11/2020	02:08:49	8	0.0	8.36			
11/11/2020	02:09:19	8	0.0	8.36			
11/11/2020	02:09:49	7	0.0	8.36			
11/11/2020	02:10:19	7	0.0	8.36			
11/11/2020	02:10:49	8	0.0	8.36			
11/11/2020	02:11:19	7	0.0	8.36			
11/11/2020	02:11:49	7	0.0	8.36			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	02:12:49	8	0.0	8.36			
11/11/2020	02:13:19	8	0.0	8.36			
11/11/2020	02:13:49	8	0.0	8.36			
11/11/2020	02:14:19	7	0.0	8.36			
11/11/2020	02:14:49	8	0.0	8.36			
11/11/2020	02:15:19	7	0.0	8.36			
11/11/2020	02:15:49	7	0.0	8.36			
11/11/2020	02:16:19	7	0.0	8.36			
11/11/2020	02:16:49	8	0.0	8.35			
11/11/2020	02:17:19	7	0.0	8.36			
11/11/2020	02:17:49	8	0.0	8.36			
11/11/2020	02:18:19	7	0.0	8.36			
11/11/2020	02:18:49	7	0.0	8.36			
11/11/2020	02:19:19	7	0.0	8.35			
11/11/2020	02:19:49	7	0.0	8.35			
11/11/2020	02:20:19	8	0.0	8.36			
11/11/2020	02:20:49	7	0.0	8.35			
11/11/2020	02:21:19	7	0.0	8.35			
11/11/2020	02:21:49	7	0.0	8.36			
11/11/2020	02:22:19	7	0.0	8.36			
11/11/2020	02:22:49	7	0.0	8.36			
11/11/2020	02:23:19	7	0.0	8.36			
11/11/2020	02:23:49	7	0.0	8.36			
11/11/2020	02:24:19	7	0.0	8.36			
11/11/2020	02:24:49	7	0.0	8.35			
11/11/2020	02:25:19	7	0.0	8.35			
11/11/2020	02:25:49	7	0.0	8.36			
11/11/2020	02:26:19	7	0.0	8.36			
11/11/2020	02:26:49	7	0.0	8.36			
11/11/2020	02:27:19	6	0.0	8.36			
11/11/2020	02:27:49	7	0.0	8.35			
11/11/2020	02:28:19	5	0.0	8.36			
11/11/2020	02:28:49	5	0.0	8.36			
11/11/2020	02:29:19	78	0.0	8.43			
11/11/2020	02:29:49	215	0.7	8.38			
11/11/2020	02:30:19	408	2.9	8.35			
11/11/2020	02:30:49	543	4.5	8.36			
11/11/2020	02:31:19	195	0.0	8.37			
11/11/2020	02:31:49	128	0.0	8.36			
11/11/2020	02:32:19	128	0.0	8.36			
11/11/2020	02:32:49	927	0.0	8.36			
11/11/2020	02:33:49	845	0.0	8.36			
11/11/2020	02:34:19	832	0.0	8.36			
11/11/2020	02:34:49	819	0.0	8.36			
11/11/2020	02:35:19	2206	0.0	8.36			
11/11/2020	02:35:49	7256	0.0	8.36			
11/11/2020	02:36:19	7609	0.0	8.36			
11/11/2020	02:36:49	7554	0.0	8.36			
11/11/2020	02:37:19	7520	0.0	8.36			
11/11/2020	02:37:49	7493	0.0	8.36			
11/11/2020	02:38:19	7463	0.0	8.36			
11/11/2020	02:38:49	7376	0.0	8.37			
11/11/2020	02:39:19	7	0.4	8.36			
11/11/2020	02:39:49	62	0.0	8.36			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	02:40:49	67	0.0	8.36			
11/11/2020	02:41:19	70	0.0	8.36			
11/11/2020	02:41:49	74	0.0	8.36			
11/11/2020	02:42:01	75	0.0	8.36	Pressure Test Lines		
11/11/2020	02:42:04	76	0.0	8.36	Start Pumping Spacer		
11/11/2020	02:42:19	78	0.0	8.36			
11/11/2020	02:42:49	81	0.0	8.36			
11/11/2020	02:43:19	83	0.0	8.36			
11/11/2020	02:43:49	86	0.0	8.36			
11/11/2020	02:44:19	90	0.0	8.36			
11/11/2020	02:44:49	92	0.0	8.36			
11/11/2020	02:45:19	270	1.2	10.65			
11/11/2020	02:45:49	532	2.3	10.25			
11/11/2020	02:46:19	709	2.3	10.48			
11/11/2020	02:46:49	496	2.4	10.58			
11/11/2020	02:47:19	572	2.2	10.65			
11/11/2020	02:47:49	501	4.5	10.68			
11/11/2020	02:48:19	579	4.5	10.72			
11/11/2020	02:48:49	524	4.4	10.75			
11/11/2020	02:49:19	529	4.4	10.77			
11/11/2020	02:49:49	599	4.5	10.84			
11/11/2020	02:50:19	508	4.4	10.96			
11/11/2020	02:50:49	526	4.5	11.10			
11/11/2020	02:51:19	494	4.4	11.21			
11/11/2020	02:51:49	482	4.4	11.21			
11/11/2020	02:52:19	493	4.4	11.17			
11/11/2020	02:52:49	483	4.4	11.12			
11/11/2020	02:53:19	529	4.4	11.13			
11/11/2020	02:53:49	447	4.3	11.13			
11/11/2020	02:54:19	470	3.6	11.05			
11/11/2020	02:54:49	521	6.0	10.99			
11/11/2020	02:55:19	598	6.3	10.95			
11/11/2020	02:55:49	622	5.7	10.92			
11/11/2020	02:56:19	454	4.3	10.89			
11/11/2020	02:56:49	356	4.2	10.91			
11/11/2020	02:57:19	360	4.0	10.90			
11/11/2020	02:57:49	435	4.3	10.90			
11/11/2020	02:58:19	407	4.2	10.92			
11/11/2020	02:58:49	454	4.4	10.97			
11/11/2020	02:59:19	434	4.4	10.96			
11/11/2020	02:59:49	441	4.2	10.99			
11/11/2020	03:00:19	417	4.2	11.04			
11/11/2020	03:00:49	386	4.4	11.03			
11/11/2020	03:01:19	428	4.4	11.03			
11/11/2020	03:01:49	396	4.4	11.03			
11/11/2020	03:02:19	434	4.5	11.03			
11/11/2020	03:02:49	406	4.5	11.02			
11/11/2020	03:03:19	381	4.5	11.02			
11/11/2020	03:03:49	415	4.5	11.02			
11/11/2020	03:04:19	355	4.5	11.02			
11/11/2020	03:04:49	384	4.5	11.02			
11/11/2020	03:05:19	367	4.5	11.00			
11/11/2020	03:05:49	347	4.5	10.99			
11/11/2020	03:06:19	385	4.5	10.98			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	03:07:49	348	4.5	10.98			
11/11/2020	03:08:19	332	4.5	10.97			
11/11/2020	03:08:49	353	4.5	10.98			
11/11/2020	03:09:19	347	4.5	10.98			
11/11/2020	03:09:49	324	4.5	10.98			
11/11/2020	03:10:19	348	4.5	10.96			
11/11/2020	03:10:49	295	4.5	10.97			
11/11/2020	03:11:00	324	4.5	10.97	End Spacer; 117 BBL		
11/11/2020	03:11:19	309	4.5	10.97			
11/11/2020	03:11:49	35	0.0	11.09			
11/11/2020	03:12:19	22	0.0	11.07			
11/11/2020	03:12:49	21	0.0	11.07			
11/11/2020	03:13:19	21	0.0	11.07			
11/11/2020	03:13:49	21	0.0	11.06			
11/11/2020	03:14:19	20	0.0	11.06			
11/11/2020	03:14:49	21	0.0	11.06			
11/11/2020	03:15:19	21	0.0	11.06			
11/11/2020	03:15:49	21	0.0	11.06			
11/11/2020	03:16:19	22	0.0	11.06			
11/11/2020	03:16:49	21	0.0	11.06			
11/11/2020	03:17:19	21	0.0	10.95			
11/11/2020	03:17:49	21	0.0	10.95			
11/11/2020	03:18:00	21	0.0	10.95	Drop Bottom Plug		
11/11/2020	03:18:02	21	0.0	10.95	Start Cement Slurry		
11/11/2020	03:18:06	21	0.0	10.95	Start Mixing Lead Slurry		
11/11/2020	03:18:19	21	0.0	10.95			
11/11/2020	03:18:49	21	0.0	10.95			
11/11/2020	03:19:19	62	1.9	11.59			
11/11/2020	03:19:49	327	4.1	11.89			
11/11/2020	03:20:19	364	4.4	11.93			
11/11/2020	03:20:49	470	4.4	11.99			
11/11/2020	03:21:19	460	4.4	12.08			
11/11/2020	03:21:49	533	4.4	12.12			
11/11/2020	03:22:19	513	4.4	12.13			
11/11/2020	03:22:49	476	4.5	12.12			
11/11/2020	03:23:19	146	2.9	12.13			
11/11/2020	03:23:49	301	4.0	12.12			
11/11/2020	03:24:19	501	4.4	12.10			
11/11/2020	03:24:49	418	4.5	12.08			
11/11/2020	03:25:19	406	4.5	12.06			
11/11/2020	03:25:49	436	4.5	12.04			
11/11/2020	03:26:19	401	4.4	12.03			
11/11/2020	03:26:49	443	4.5	12.02			
11/11/2020	03:27:19	695	6.3	12.02			
11/11/2020	03:27:49	694	6.3	12.01			
11/11/2020	03:28:19	721	6.3	12.00			
11/11/2020	03:28:49	651	6.3	12.00			
11/11/2020	03:29:19	718	6.3	11.99			
11/11/2020	03:29:49	691	6.3	12.00			
11/11/2020	03:30:19	661	6.3	12.00			
11/11/2020	03:30:49	693	6.3	12.01			
11/11/2020	03:31:19	609	6.3	12.02			
11/11/2020	03:31:49	607	6.3	12.02			
11/11/2020	03:32:19	663	6.3	12.04			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	03:33:19	641	6.3	12.04			
11/11/2020	03:33:49	294	4.5	12.02			
11/11/2020	03:34:19	275	4.5	12.01			
11/11/2020	03:34:49	310	4.5	11.99			
11/11/2020	03:35:19	292	4.5	11.99			
11/11/2020	03:35:49	289	4.5	11.98			
11/11/2020	03:36:19	315	4.5	11.98			
11/11/2020	03:36:49	372	4.8	11.98			
11/11/2020	03:37:19	369	5.1	11.98			
11/11/2020	03:37:49	337	5.1	11.99			
11/11/2020	03:38:19	344	5.1	11.99			
11/11/2020	03:38:49	332	5.1	11.99			
11/11/2020	03:39:19	328	5.1	12.00			
11/11/2020	03:39:49	338	5.1	12.01			
11/11/2020	03:40:49	338	5.1	11.99			
11/11/2020	03:41:19	322	5.1	11.98			
11/11/2020	03:41:49	251	5.1	11.97			
11/11/2020	03:42:19	318	5.1	11.96			
11/11/2020	03:42:49	277	5.1	11.95			
11/11/2020	03:43:19	293	5.1	11.96			
11/11/2020	03:43:49	291	5.1	11.96			
11/11/2020	03:44:19	318	5.1	11.95			
11/11/2020	03:44:49	321	5.1	11.97			
11/11/2020	03:45:19	312	5.1	12.00			
11/11/2020	03:45:49	344	5.1	12.03			
11/11/2020	03:46:19	346	5.1	12.03			
11/11/2020	03:46:49	352	5.1	12.05			
11/11/2020	03:47:19	352	5.1	12.03			
11/11/2020	03:47:49	349	5.1	12.01			
11/11/2020	03:48:19	339	5.1	11.99			
11/11/2020	03:48:49	319	5.1	11.98			
11/11/2020	03:49:19	320	5.1	11.99			
11/11/2020	03:49:49	324	5.1	12.00			
11/11/2020	03:50:19	329	5.1	12.01			
11/11/2020	03:50:49	322	5.1	12.02			
11/11/2020	03:51:19	330	5.1	12.02			
11/11/2020	03:51:49	335	5.1	12.02			
11/11/2020	03:52:19	341	5.1	12.02			
11/11/2020	03:52:49	351	5.1	12.02			
11/11/2020	03:53:19	347	5.1	12.01			
11/11/2020	03:53:49	363	5.1	12.02			
11/11/2020	03:54:19	378	5.1	12.02			
11/11/2020	03:54:49	368	5.1	12.02			
11/11/2020	03:55:19	374	5.1	12.02			
11/11/2020	03:55:49	369	5.1	12.02			
11/11/2020	03:56:19	361	5.1	12.02			
11/11/2020	03:56:49	360	5.1	12.02			
11/11/2020	03:57:19	330	5.1	12.02			
11/11/2020	03:57:49	333	5.1	12.02			
11/11/2020	03:58:19	325	5.1	12.02			
11/11/2020	03:58:49	330	5.1	12.01			
11/11/2020	03:59:19	338	5.1	12.01			
11/11/2020	03:59:49	337	5.1	12.00			
11/11/2020	04:00:19	354	5.1	12.00			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	04:01:19	361	5.1	11.99			
11/11/2020	04:01:49	355	5.1	11.99			
11/11/2020	04:02:19	362	5.1	12.00			
11/11/2020	04:02:49	343	5.1	12.00			
11/11/2020	04:03:19	346	5.1	11.99			
11/11/2020	04:03:49	329	5.1	11.99			
11/11/2020	04:04:19	332	5.1	11.99			
11/11/2020	04:04:49	331	5.1	12.00			
11/11/2020	04:05:19	327	5.1	12.01			
11/11/2020	04:05:49	342	5.1	12.01			
11/11/2020	04:06:19	340	5.1	12.01			
11/11/2020	04:06:49	352	5.1	12.02			
11/11/2020	04:07:19	346	5.1	12.02			
11/11/2020	04:07:49	348	5.1	12.02			
11/11/2020	04:08:19	329	5.1	12.02			
11/11/2020	04:08:49	324	5.1	12.03			
11/11/2020	04:09:19	365	5.1	12.02			
11/11/2020	04:09:49	369	5.1	12.01			
11/11/2020	04:10:19	348	5.1	12.00			
11/11/2020	04:10:49	343	5.1	11.99			
11/11/2020	04:11:19	337	5.1	11.98			
11/11/2020	04:11:49	338	3.9	11.91			
11/11/2020	04:12:19	125	3.1	11.89			
11/11/2020	04:12:49	142	3.1	11.91			
11/11/2020	04:13:19	145	3.1	11.88			
11/11/2020	04:14:09	34	0.7	11.97	End Lead Slurry		
11/11/2020	04:14:19	27	0.0	12.37			
11/11/2020	04:14:49	25	0.0	12.52			
11/11/2020	04:15:19	24	0.0	12.52			
11/11/2020	04:15:49	23	0.0	12.52			
11/11/2020	04:16:03	23	0.0	12.52	Start Mixing Tail Slurry		
11/11/2020	04:16:19	23	0.0	12.52			
11/11/2020	04:16:49	23	0.0	12.52			
11/11/2020	04:17:19	23	0.0	12.52			
11/11/2020	04:17:49	24	0.0	11.91			
11/11/2020	04:18:19	23	0.0	11.91			
11/11/2020	04:18:49	23	0.0	11.91			
11/11/2020	04:19:19	23	0.0	11.92			
11/11/2020	04:19:49	70	1.7	13.82			
11/11/2020	04:20:19	175	4.3	13.43			
11/11/2020	04:20:49	178	4.3	13.44			
11/11/2020	04:21:19	197	4.3	13.45			
11/11/2020	04:21:49	237	4.1	13.45			
11/11/2020	04:22:19	308	4.2	13.52			
11/11/2020	04:22:49	162	4.2	13.52			
11/11/2020	04:23:19	272	5.2	13.53			
11/11/2020	04:23:49	270	5.2	13.54			
11/11/2020	04:24:19	315	5.2	13.54			
11/11/2020	04:24:49	315	5.2	13.52			
11/11/2020	04:25:19	296	5.2	13.51			
11/11/2020	04:25:49	295	5.2	13.50			
11/11/2020	04:26:19	214	4.9	13.50			
11/11/2020	04:26:49	271	5.2	13.51			
11/11/2020	04:27:19	271	5.2	13.51			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	04:28:19	275	5.2	13.52			
11/11/2020	04:28:49	268	5.2	13.52			
11/11/2020	04:29:19	256	4.9	13.54			
11/11/2020	04:29:49	276	5.2	13.55			
11/11/2020	04:30:19	278	5.2	13.55			
11/11/2020	04:30:49	278	5.2	13.54			
11/11/2020	04:31:19	272	5.2	13.53			
11/11/2020	04:31:49	276	5.2	13.49			
11/11/2020	04:32:19	274	5.2	13.47			
11/11/2020	04:32:49	278	5.2	13.48			
11/11/2020	04:33:19	273	5.2	13.49			
11/11/2020	04:33:49	278	5.2	13.51			
11/11/2020	04:34:19	284	5.2	13.52			
11/11/2020	04:34:49	284	5.2	13.54			
11/11/2020	04:35:19	300	5.2	13.54			
11/11/2020	04:35:49	253	5.2	13.54			
11/11/2020	04:36:19	257	5.2	13.53			
11/11/2020	04:36:49	231	4.5	13.52			
11/11/2020	04:37:19	246	4.5	13.51			
11/11/2020	04:37:49	231	4.5	13.50			
11/11/2020	04:38:19	241	4.5	13.50			
11/11/2020	04:38:49	243	4.5	13.49			
11/11/2020	04:39:19	232	4.5	13.48			
11/11/2020	04:39:49	239	4.5	13.50			
11/11/2020	04:40:19	221	4.5	13.50			
11/11/2020	04:40:49	243	4.5	13.51			
11/11/2020	04:41:19	239	4.5	13.52			
11/11/2020	04:41:49	235	4.5	13.54			
11/11/2020	04:42:19	249	4.5	13.55			
11/11/2020	04:42:49	228	4.5	13.56			
11/11/2020	04:43:19	237	4.5	13.56			
11/11/2020	04:43:49	237	4.5	13.57			
11/11/2020	04:44:19	226	4.5	13.57			
11/11/2020	04:44:49	252	4.5	13.57			
11/11/2020	04:45:19	236	4.5	13.57			
11/11/2020	04:45:49	246	4.5	13.56			
11/11/2020	04:46:19	251	4.5	13.56			
11/11/2020	04:46:49	237	4.5	13.56			
11/11/2020	04:47:49	230	4.5	13.55			
11/11/2020	04:48:19	249	4.5	13.55			
11/11/2020	04:48:49	254	4.5	13.57			
11/11/2020	04:49:19	229	4.5	13.58			
11/11/2020	04:49:49	236	4.5	13.59			
11/11/2020	04:50:19	246	4.5	13.59			
11/11/2020	04:50:49	231	4.5	13.59			
11/11/2020	04:51:19	263	4.5	13.58			
11/11/2020	04:51:49	244	4.5	13.56			
11/11/2020	04:52:19	241	4.5	13.55			
11/11/2020	04:52:49	247	4.5	13.53			
11/11/2020	04:53:19	232	4.5	13.54			
11/11/2020	04:53:49	242	4.5	13.55			
11/11/2020	04:54:19	231	4.5	13.55			
11/11/2020	04:54:49	249	4.5	13.55			
11/11/2020	04:55:19	253	4.5	13.55			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	04:56:19	278	4.5	13.55			
11/11/2020	04:56:49	225	4.5	13.52			
11/11/2020	04:57:19	233	4.5	13.50			
11/11/2020	04:57:49	236	4.5	13.48			
11/11/2020	04:58:19	223	4.5	13.47			
11/11/2020	04:58:49	247	4.5	13.48			
11/11/2020	04:59:19	238	4.5	13.49			
11/11/2020	04:59:49	228	4.5	13.51			
11/11/2020	05:00:19	310	5.2	13.52			
11/11/2020	05:00:49	311	5.2	13.55			
11/11/2020	05:01:19	280	5.2	13.58			
11/11/2020	05:01:49	284	5.2	13.60			
11/11/2020	05:02:19	287	5.2	13.61			
11/11/2020	05:02:49	287	5.2	13.61			
11/11/2020	05:03:19	300	5.2	13.61			
11/11/2020	05:03:49	297	5.2	13.60			
11/11/2020	05:04:19	304	5.2	13.60			
11/11/2020	05:04:49	303	5.2	13.60			
11/11/2020	05:05:19	322	5.2	13.60			
11/11/2020	05:05:49	315	5.2	13.60			
11/11/2020	05:06:19	313	5.2	13.59			
11/11/2020	05:06:49	165	3.3	13.57			
11/11/2020	05:07:19	186	3.2	13.55			
11/11/2020	05:07:49	202	3.2	13.52			
11/11/2020	05:08:19	132	3.3	13.52			
11/11/2020	05:08:49	136	3.2	13.52			
11/11/2020	05:09:19	225	4.2	13.52			
11/11/2020	05:09:49	233	4.5	13.53			
11/11/2020	05:10:19	234	4.5	13.54			
11/11/2020	05:10:49	243	4.5	13.54			
11/11/2020	05:11:19	235	4.5	13.54			
11/11/2020	05:11:49	255	4.5	13.54			
11/11/2020	05:12:19	242	4.5	13.55			
11/11/2020	05:12:49	239	4.5	13.55			
11/11/2020	05:13:19	241	4.5	13.56			
11/11/2020	05:13:49	234	4.5	13.56			
11/11/2020	05:14:19	252	4.5	13.56			
11/11/2020	05:14:49	251	4.5	13.55			
11/11/2020	05:15:19	237	4.5	13.53			
11/11/2020	05:15:49	173	4.4	13.52			
11/11/2020	05:16:19	182	4.3	13.52			
11/11/2020	05:16:49	243	4.3	13.51			
11/11/2020	05:17:19	310	4.3	13.49			
11/11/2020	05:17:49	243	4.3	13.48			
11/11/2020	05:18:19	164	4.3	13.47			
11/11/2020	05:18:49	199	4.4	13.46			
11/11/2020	05:19:19	232	4.3	13.49			
11/11/2020	05:19:49	376	4.3	13.53			
11/11/2020	05:20:19	292	4.4	13.58			
11/11/2020	05:21:19	194	4.3	13.62			
11/11/2020	05:21:49	394	4.3	13.62			
11/11/2020	05:22:19	166	4.3	13.62			
11/11/2020	05:22:49	244	4.5	13.62			
11/11/2020	05:23:19	268	4.5	13.61			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	05:24:19	236	4.5	13.57			
11/11/2020	05:24:49	247	4.5	13.55			
11/11/2020	05:25:19	175	4.3	13.54			
11/11/2020	05:25:49	225	4.3	13.53			
11/11/2020	05:26:19	399	4.3	13.53			
11/11/2020	05:26:49	233	4.3	13.52			
11/11/2020	05:27:19	176	4.3	13.52			
11/11/2020	05:27:49	196	4.3	13.52			
11/11/2020	05:28:19	228	4.3	13.51			
11/11/2020	05:28:49	311	4.8	13.51			
11/11/2020	05:29:19	188	4.8	13.52			
11/11/2020	05:29:49	304	4.9	13.52			
11/11/2020	05:30:19	306	4.9	13.53			
11/11/2020	05:30:49	188	4.8	13.53			
11/11/2020	05:31:19	305	4.9	13.54			
11/11/2020	05:31:49	292	4.9	13.55			
11/11/2020	05:32:19	201	4.3	13.55			
11/11/2020	05:32:49	317	4.3	13.55			
11/11/2020	05:33:19	410	4.3	13.55			
11/11/2020	05:33:49	167	4.3	13.55			
11/11/2020	05:34:19	181	4.3	13.56			
11/11/2020	05:34:49	234	4.3	13.55			
11/11/2020	05:35:19	288	4.3	13.57			
11/11/2020	05:35:49	397	4.3	13.58			
11/11/2020	05:36:19	171	4.3	13.58			
11/11/2020	05:36:49	177	4.3	13.58			
11/11/2020	05:37:19	227	4.3	13.58			
11/11/2020	05:37:49	276	4.3	13.57			
11/11/2020	05:38:19	300	4.3	13.57			
11/11/2020	05:38:49	187	4.3	13.56			
11/11/2020	05:39:19	196	4.4	13.56			
11/11/2020	05:39:49	214	4.3	13.55			
11/11/2020	05:40:19	367	4.3	13.55			
11/11/2020	05:40:49	349	4.3	13.53			
11/11/2020	05:41:19	171	4.3	13.52			
11/11/2020	05:41:49	187	4.3	13.51			
11/11/2020	05:42:19	218	4.3	13.49			
11/11/2020	05:42:49	337	4.3	13.50			
11/11/2020	05:43:19	385	4.3	13.50			
11/11/2020	05:43:49	168	4.4	13.52			
11/11/2020	05:44:19	185	4.4	13.53			
11/11/2020	05:44:49	249	4.3	13.55			
11/11/2020	05:45:19	318	4.3	13.57			
11/11/2020	05:45:49	291	4.2	13.58			
11/11/2020	05:46:19	169	4.3	13.57			
11/11/2020	05:46:49	193	4.2	13.56			
11/11/2020	05:47:19	239	4.3	13.56			
11/11/2020	05:47:49	393	4.3	13.56			
11/11/2020	05:48:19	337	4.3	13.55			
11/11/2020	05:48:49	172	4.3	13.55			
11/11/2020	05:49:19	195	4.3	13.55			
11/11/2020	05:49:49	219	4.3	13.55			
11/11/2020	05:50:19	358	4.3	13.55			
11/11/2020	05:50:49	399	4.3	13.55			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	05:51:49	199	4.3	13.54			
11/11/2020	05:52:19	282	4.3	13.54			
11/11/2020	05:52:49	386	4.3	13.53			
11/11/2020	05:53:19	173	4.3	13.53			
11/11/2020	05:53:49	176	4.3	13.53			
11/11/2020	05:54:19	218	4.3	13.54			
11/11/2020	05:54:49	269	4.3	13.54			
11/11/2020	05:55:19	354	4.3	13.54			
11/11/2020	05:55:49	219	4.3	13.53			
11/11/2020	05:56:19	172	4.3	13.56			
11/11/2020	05:56:49	214	4.3	13.57			
11/11/2020	05:57:19	252	4.3	13.57			
11/11/2020	05:57:49	440	4.3	13.55			
11/11/2020	05:58:19	287	4.3	13.54			
11/11/2020	05:58:49	187	4.3	13.54			
11/11/2020	05:59:19	208	4.3	13.54			
11/11/2020	05:59:49	300	4.3	13.54			
11/11/2020	06:00:19	414	4.2	13.55			
11/11/2020	06:00:49	185	4.3	13.54			
11/11/2020	06:01:19	184	4.3	13.55			
11/11/2020	06:02:19	286	4.3	13.54			
11/11/2020	06:02:49	372	4.3	13.45			
11/11/2020	06:03:19	223	4.3	13.48			
11/11/2020	06:03:49	177	4.3	13.47			
11/11/2020	06:04:19	240	4.4	13.47			
11/11/2020	06:04:49	258	4.3	13.44			
11/11/2020	06:05:19	433	4.3	13.43			
11/11/2020	06:05:49	109	0.6	13.60			
11/11/2020	06:06:00	59	0.0	13.85	End Tail Slurry		
11/11/2020	06:06:19	44	0.0	13.98			
11/11/2020	06:06:49	37	0.0	14.03			
11/11/2020	06:07:00	36	0.0	14.03	End Cement Slurry		
11/11/2020	06:07:19	35	0.0	14.03			
11/11/2020	06:07:49	33	0.0	14.59			
11/11/2020	06:08:19	33	0.0	14.29			
11/11/2020	06:08:49	33	0.0	15.04			
11/11/2020	06:09:19	33	0.0	12.68			
11/11/2020	06:09:49	58	0.0	10.07			
11/11/2020	06:10:19	74	1.0	9.53			
11/11/2020	06:10:49	74	2.3	9.42			
11/11/2020	06:11:19	77	2.5	9.37			
11/11/2020	06:11:49	93	2.9	9.34			
11/11/2020	06:12:19	92	2.9	9.35			
11/11/2020	06:12:49	137	4.3	9.31			
11/11/2020	06:13:19	160	4.4	8.62			
11/11/2020	06:13:49	187	4.3	8.53			
11/11/2020	06:14:19	28	0.8	8.47			
11/11/2020	06:14:49	179	4.4	8.59			
11/11/2020	06:15:19	54	0.0	5.74			
11/11/2020	06:15:49	34	0.0	3.08			
11/11/2020	06:16:19	74	2.4	8.95			
11/11/2020	06:16:49	168	0.0	8.36			
11/11/2020	06:17:19	187	0.0	8.36			
11/11/2020	06:17:49	23	0.0	8.37			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	06:18:49	21	0.0	8.36			
11/11/2020	06:19:19	21	0.0	8.36			
11/11/2020	06:19:49	20	0.0	8.36			
11/11/2020	06:20:19	21	0.0	8.36			
11/11/2020	06:20:49	21	0.0	8.36			
11/11/2020	06:21:19	21	0.0	8.36			
11/11/2020	06:21:49	19	0.0	8.36			
11/11/2020	06:22:00	19	0.0	8.36	Drop Top Plug		
11/11/2020	06:22:03	19	0.0	8.36	Start Displacement		
11/11/2020	06:22:19	19	0.0	8.36			
11/11/2020	06:22:49	78	2.7	8.37			
11/11/2020	06:23:19	125	4.3	8.39			
11/11/2020	06:23:49	102	4.7	8.38			
11/11/2020	06:24:19	199	6.5	8.38			
11/11/2020	06:24:49	293	8.3	8.38			
11/11/2020	06:25:19	301	8.3	8.41			
11/11/2020	06:25:49	282	8.4	8.40			
11/11/2020	06:26:19	301	8.1	8.38			
11/11/2020	06:26:49	277	8.4	8.37			
11/11/2020	06:27:19	1336	8.2	8.37			
11/11/2020	06:27:49	1409	8.2	8.37			
11/11/2020	06:28:19	1442	8.2	8.37			
11/11/2020	06:28:49	1465	8.2	8.36			
11/11/2020	06:29:19	1478	8.2	8.36			
11/11/2020	06:29:49	1509	8.2	8.36			
11/11/2020	06:30:19	1546	8.2	8.36			
11/11/2020	06:30:49	1584	8.1	8.36			
11/11/2020	06:31:19	1621	8.1	8.36			
11/11/2020	06:31:49	1652	8.1	8.36			
11/11/2020	06:32:19	1687	8.0	8.36			
11/11/2020	06:32:49	1725	8.0	8.36			
11/11/2020	06:33:19	1740	8.0	8.36			
11/11/2020	06:33:49	1783	7.9	8.36			
11/11/2020	06:34:19	1819	7.9	8.36			
11/11/2020	06:34:49	1825	7.8	8.36			
11/11/2020	06:35:19	1876	7.8	8.36			
11/11/2020	06:35:49	1891	7.8	8.36			
11/11/2020	06:36:19	1922	7.7	8.36			
11/11/2020	06:36:49	1961	7.7	8.36			
11/11/2020	06:37:19	2013	7.7	8.35			
11/11/2020	06:37:49	2050	7.7	8.36			
11/11/2020	06:38:19	2079	7.6	8.36			
11/11/2020	06:38:49	2114	7.5	8.36			
11/11/2020	06:39:19	2145	7.6	8.36			
11/11/2020	06:39:49	2169	7.5	8.36			
11/11/2020	06:40:19	2174	7.4	8.36			
11/11/2020	06:40:49	2223	7.4	8.36			
11/11/2020	06:41:19	2258	7.3	8.36			
11/11/2020	06:41:49	2274	7.3	8.36			
11/11/2020	06:42:19	2307	7.3	8.36			
11/11/2020	06:42:49	2375	7.2	8.36			
11/11/2020	06:43:19	2414	7.2	8.36			
11/11/2020	06:43:49	2431	7.1	8.36			
11/11/2020	06:44:19	2456	7.0	8.36			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	06:45:19	2489	7.1	8.36			
11/11/2020	06:45:49	2517	7.1	8.36			
11/11/2020	06:46:19	2522	7.0	8.36			
11/11/2020	06:46:49	2512	7.0	8.36			
11/11/2020	06:47:19	2520	7.1	8.36			
11/11/2020	06:47:49	2534	7.0	8.36			
11/11/2020	06:48:19	2533	7.0	8.36			
11/11/2020	06:48:49	2556	7.0	8.36			
11/11/2020	06:49:19	2579	7.0	8.36			
11/11/2020	06:49:49	2545	7.0	8.36			
11/11/2020	06:50:19	2581	7.0	8.36			
11/11/2020	06:50:49	2590	7.0	8.36			
11/11/2020	06:51:19	2565	6.9	8.36			
11/11/2020	06:51:49	2585	7.0	8.36			
11/11/2020	06:52:19	2573	7.0	8.36			
11/11/2020	06:52:49	2576	6.8	8.36			
11/11/2020	06:53:19	2604	7.0	8.36			
11/11/2020	06:53:49	2609	7.0	8.36			
11/11/2020	06:54:19	2599	6.8	8.36			
11/11/2020	06:54:49	2640	7.0	8.35			
11/11/2020	06:55:19	2616	7.0	8.36			
11/11/2020	06:56:19	2695	7.2	8.36			
11/11/2020	06:56:49	2706	7.2	8.36			
11/11/2020	06:57:19	2728	7.2	8.36			
11/11/2020	06:57:49	2695	7.2	8.36			
11/11/2020	06:58:19	2721	7.1	8.36			
11/11/2020	06:58:49	2712	7.2	8.36			
11/11/2020	06:59:19	2726	7.2	8.36			
11/11/2020	06:59:49	2718	7.1	8.36			
11/11/2020	07:00:19	2769	7.2	8.36			
11/11/2020	07:00:49	2749	7.2	8.36			
11/11/2020	07:01:19	2747	7.1	8.36			
11/11/2020	07:01:49	2745	7.2	8.36			
11/11/2020	07:02:19	2761	7.2	8.36			
11/11/2020	07:02:49	2758	7.1	8.36			
11/11/2020	07:03:19	2793	7.2	8.36			
11/11/2020	07:03:49	2769	7.2	8.36			
11/11/2020	07:04:19	2776	7.2	8.36			
11/11/2020	07:04:49	2786	7.1	8.36			
11/11/2020	07:05:19	2814	7.1	8.36			
11/11/2020	07:05:49	2785	7.1	8.36			
11/11/2020	07:06:19	2819	7.1	8.36			
11/11/2020	07:06:49	2797	7.1	8.36			
11/11/2020	07:07:19	2779	6.9	8.36			
11/11/2020	07:07:49	2842	7.1	8.36			
11/11/2020	07:08:19	2814	7.0	8.36			
11/11/2020	07:08:49	2794	7.0	8.36			
11/11/2020	07:09:19	2829	7.1	8.36			
11/11/2020	07:09:49	2835	7.1	8.36			
11/11/2020	07:10:19	2850	7.0	8.36			
11/11/2020	07:10:49	2838	7.1	8.36			
11/11/2020	07:11:19	2851	7.1	8.36			
11/11/2020	07:11:49	2857	6.9	8.36			
11/11/2020	07:12:19	2870	7.0	8.36			

Well Cummings 19-1HZ 1			Field Wattenberg		Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
11/11/2020	07:13:19	2883	6.9	8.36			
11/11/2020	07:13:49	2902	7.0	8.36			
11/11/2020	07:14:19	2908	7.0	8.36			
11/11/2020	07:14:49	2899	6.9	8.36			
11/11/2020	07:15:19	2922	7.0	8.36			
11/11/2020	07:15:49	2909	7.0	8.36			
11/11/2020	07:16:19	2892	7.0	8.36			
11/11/2020	07:16:49	2933	7.0	8.36			
11/11/2020	07:17:19	2905	7.0	8.36			
11/11/2020	07:17:49	2904	6.9	8.36			
11/11/2020	07:18:19	2959	6.9	8.36			
11/11/2020	07:18:49	2958	7.0	8.36			
11/11/2020	07:19:19	2978	6.9	8.36			
11/11/2020	07:19:49	2967	6.9	8.36			
11/11/2020	07:20:19	2955	6.9	8.36			
11/11/2020	07:20:49	2965	6.9	8.36			
11/11/2020	07:21:19	2960	6.9	8.36			
11/11/2020	07:21:49	2997	6.9	8.36			
11/11/2020	07:22:19	2983	6.9	8.36			
11/11/2020	07:22:49	2948	6.9	8.36			
11/11/2020	07:23:19	3020	6.9	8.36			
11/11/2020	07:23:49	2994	6.8	8.36			
11/11/2020	07:24:19	2968	6.9	8.36			
11/11/2020	07:24:49	2981	6.9	8.36			
11/11/2020	07:25:19	2965	6.8	8.36			
11/11/2020	07:25:49	3037	6.9	8.36			
11/11/2020	07:26:19	3038	6.9	8.36			
11/11/2020	07:26:49	2662	4.4	8.36			
11/11/2020	07:27:19	2510	4.4	8.36			
11/11/2020	07:27:49	2305	2.2	8.36			
11/11/2020	07:28:19	2123	2.2	8.36			
11/11/2020	07:28:49	2186	2.2	8.36			
11/11/2020	07:29:49	2086	2.2	8.36			
11/11/2020	07:30:19	2173	2.2	8.36			
11/11/2020	07:30:49	2108	2.2	8.36			
11/11/2020	07:31:19	2214	2.2	8.36			
11/11/2020	07:31:49	2191	2.2	8.36			
11/11/2020	07:32:19	2150	2.2	8.36			
11/11/2020	07:32:38	2305	2.2	8.37	Bump Top Plug		
11/11/2020	07:32:40	2302	2.2	8.36	End Displacement		
11/11/2020	07:32:49	2641	2.2	8.36			
11/11/2020	07:33:10	3135	1.3	8.37	Begin Casing Test		
11/11/2020	07:33:19	2996	0.0	8.36			
11/11/2020	07:33:49	3031	0.0	8.36			
11/11/2020	07:34:19	3025	0.0	8.37			
11/11/2020	07:34:49	3042	0.0	8.37			
11/11/2020	07:35:19	3049	0.0	8.37			
11/11/2020	07:35:49	3062	0.0	8.37			
11/11/2020	07:36:19	3070	0.0	8.37			
11/11/2020	07:36:49	3092	0.0	8.37			
11/11/2020	07:37:19	3088	0.0	8.37			
11/11/2020	07:37:49	3107	0.0	8.37			
11/11/2020	07:38:19	3106	0.0	8.37			
11/11/2020	07:38:49	3121	0.0	8.37			

Well			Field	Job Start	Customer	Job Number
Cummings 19-1HZ 1			Wattenberg	Nov/10/2020	Oxy	EAJ7-01407
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message	
11/11/2020	07:39:49	3136	0.0	8.37		
11/11/2020	07:40:19	3141	0.0	8.37		
11/11/2020	07:40:49	3152	0.0	8.37		
11/11/2020	07:41:19	3157	0.0	8.37		
11/11/2020	07:41:49	3167	0.0	8.37		
11/11/2020	07:42:19	3174	0.0	8.37		
11/11/2020	07:42:49	3183	0.0	8.37		
11/11/2020	07:43:19	3191	0.0	8.37		
11/11/2020	07:43:49	3198	0.0	8.37		
11/11/2020	07:44:19	3206	0.0	8.37		
11/11/2020	07:44:49	3212	0.0	8.37		
11/11/2020	07:45:19	3220	0.0	8.37		
11/11/2020	07:45:49	3228	0.0	8.37		
11/11/2020	07:46:19	3235	0.0	8.37		
11/11/2020	07:46:49	3242	0.0	8.37		
11/11/2020	07:47:19	3250	0.0	8.37		
11/11/2020	07:47:49	3257	0.0	8.37		
11/11/2020	07:48:15	3263	0.0	8.37	End Casing Test	
11/11/2020	07:48:19	3264	0.0	8.37		
11/11/2020	07:48:49	3323	2.2	8.36		
11/11/2020	07:49:00	3690	2.2	8.37	WSS at 5034psi	
11/11/2020	07:49:19	4253	2.2	8.37		
11/11/2020	07:49:49	4776	2.2	8.37		
11/11/2020	07:50:19	2604	2.2	8.37		
11/11/2020	07:50:49	2267	2.2	8.37		
11/11/2020	07:51:19	2242	2.2	8.37		
11/11/2020	07:51:49	2259	2.2	8.37		
11/11/2020	07:52:19	2055	0.0	8.37		
11/11/2020	07:52:49	1873	0.0	8.37		
11/11/2020	07:53:19	663	0.0	8.37		
11/11/2020	07:53:49	23	0.0	8.37		
11/11/2020	07:54:19	25	0.0	8.37		
11/11/2020	07:54:49	25	0.0	8.37		
11/11/2020	07:55:19	28	0.0	8.37		
11/11/2020	07:55:49	27	0.0	8.37		
11/11/2020	07:56:19	27	0.0	8.37		
11/11/2020	07:56:49	27	0.0	8.37		
11/11/2020	07:57:19	26	0.0	8.37		
11/11/2020	07:57:28	27	0.0	8.37	5 BBLs Freshwater	

Well Cummings 19-1HZ 1	Field Wattenberg	Job Start Nov/10/2020	Customer Oxy	Job Number EAJ7-01407
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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 0	Average	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement bbl	Mix Water Temp degF	Cement Circulated to Surface?		<input type="checkbox"/>	Volume	bbl	
				Washed Thru Perfs		<input type="checkbox"/>	To	ft	
Customer or Authorized Representative			Schlumberger Supervisor Tyler Devillier			Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
						-		-	