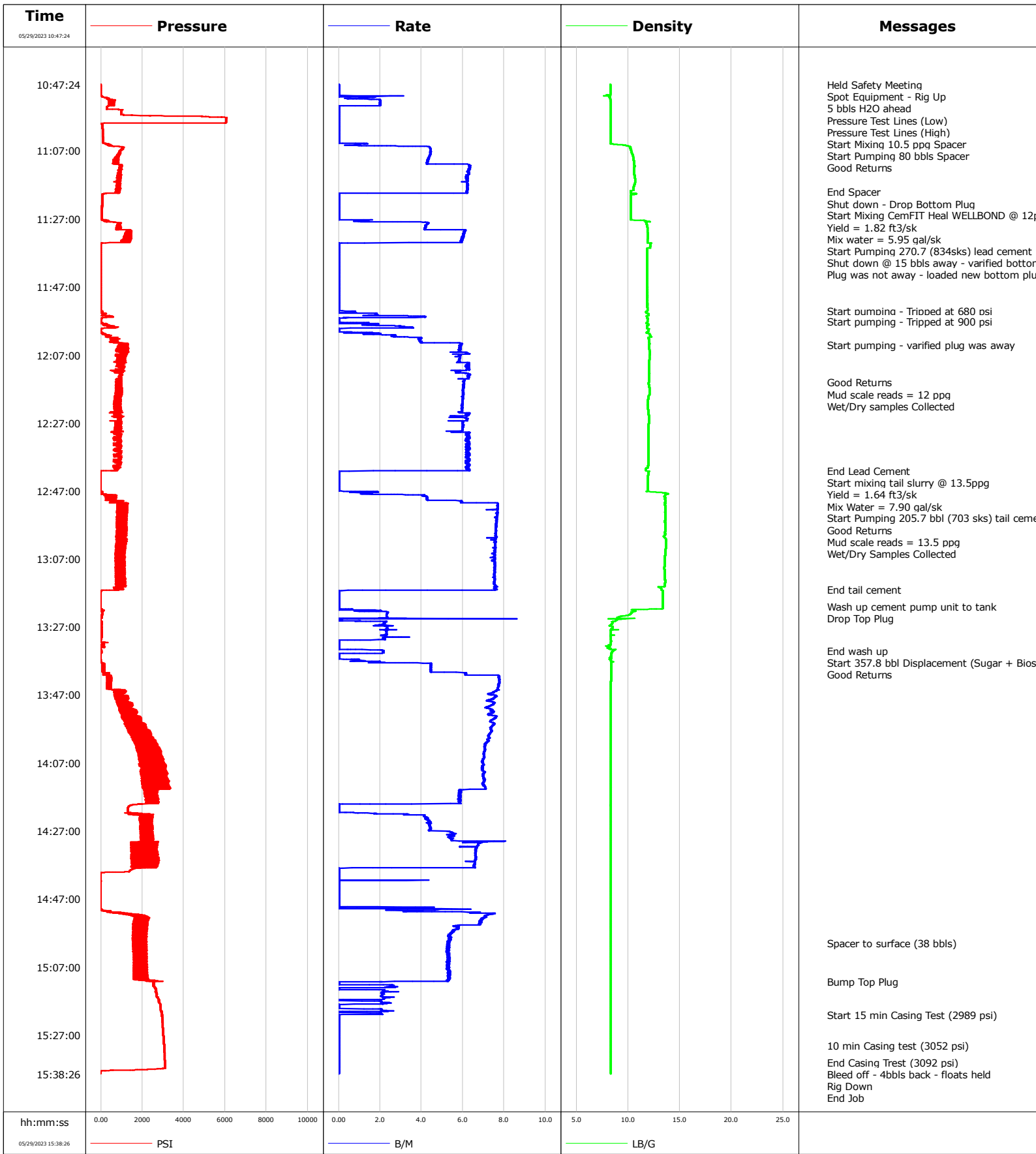


Well	Rainbow 9-2HZ	Client	OXY
Field	Wattenberg	SIR No.	EOIC-01577
Engineer	Dustin Krueger	Job Type	5.5 Production
Country	United States	Job Date	5-29-2023



				Customer			Job Number			
				OXY			EOIC-01577			
Well		Location (legal)			Schlumberger Location			Job Start		
Rainbow 9-2HZ		40.415040, -104.895010			Windsor, Colorado			May/29/2023		
Field		Formation Name/Type			Deviation	Bit Size	Well MD		Well TVD	
Wattenberg					90 deg	in	15448.1 ft		6925.0 ft	
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient		
Weld		Colorado			psi	230 degF	230 degF	lb/gal		
Well Master		API/UWI								
66666924		05-123-51985-00-00								
Rig Name	Drilled For		Service Via		Casing/Liner					
PD 461	Oil		Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class		Well Type		15438.1	5.5	17.0	P110	8RD	
	New		Development		0.0	0.0	0.0			
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				Perforations/Open Hole					
Cementing	5.5 Production				Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
					ft	ft			ft	
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection		Treat Down	Displacement		Packer Type	Packer Depth	
psi	psi		Double Cement head		Casing	357.8 bbl			ft	
					Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.		
					bbl	358.9 bbl	508.8 bbl	930.0 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	Tail Pipe Depth	Sqz. Total Vol.			
11047 psi	Guide	15438.1 ft		ft	in	ft	bbl			
Pipe Rotated	Pipe Reciprocated	Collar Type	Collar Depth	Volume BBL	Message					
<input type="checkbox"/>	<input type="checkbox"/>	Float	15392.6 ft							
No. Centralizers	Top Plugs	Bottom Plugs	Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G			
340	1	1								
Cement Head Type	Job Scheduled For	Arrived on Location	Leave Location	Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
Single	May/29/2023 07:00	May/29/2023 07:00	May/29/2023 17:00							
				05/29/2023	10:47:24	-13	0.0	8.28	0.0	Started Acquisition
				05/29/2023	10:47:27	-13	0.0	8.28	0.0	Held Safety Meeting
				05/29/2023	10:47:28	-13	0.0	8.28	0.0	Spot Equipment - Rig Up
				05/29/2023	10:49:04	-13	0.0	8.28	0.0	
				05/29/2023	10:50:28	-7	0.0	8.28	0.0	5 bbls H2O ahead
				05/29/2023	10:50:44	-8	0.1	8.27	0.0	
				05/29/2023	10:52:24	384	2.0	8.31	2.4	
				05/29/2023	10:54:00	294	0.0	8.31	5.0	Pressure Test Lines (Low)
				05/29/2023	10:54:04	283	0.0	8.31	5.0	
				05/29/2023	10:55:44	965	0.0	8.31	5.0	
				05/29/2023	10:57:00	5255	0.0	8.31	5.0	Pressure Test Lines (High)
				05/29/2023	10:57:24	6054	0.0	8.31	5.0	
				05/29/2023	10:59:00	9	0.0	8.31	5.0	Start Mixing 10.5 ppg Spacer
				05/29/2023	10:59:04	58	0.0	8.31	5.0	
				05/29/2023	11:00:44	74	0.0	8.31	5.0	
				05/29/2023	11:02:24	90	0.0	8.31	5.0	
				05/29/2023	11:04:04	106	0.0	8.31	5.0	
				05/29/2023	11:04:09	106	0.0	8.31	5.0	Start Pumping 80 bbls Spacer
				05/29/2023	11:05:44	910	4.4	10.18	6.6	
				05/29/2023	11:06:00	1074	4.4	10.22	7.7	Good Returns
				05/29/2023	11:07:24	930	4.4	10.33	13.9	

Well		Field		Job Start		Customer		Job Number	
Rainbow 9-2HZ		Wattenberg		May/29/2023		OXY		EOIC-01577	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/29/2023	11:10:44	684	4.3	10.58	28.4				
05/29/2023	11:12:24	1034	6.3	10.58	38.7				
05/29/2023	11:14:04	807	6.2	10.60	49.1				
05/29/2023	11:15:44	870	6.2	10.65	59.5				
05/29/2023	11:17:24	956	6.2	10.55	69.9				
05/29/2023	11:19:00	873	6.2	10.25	79.8	End Spacer			
05/29/2023	11:19:04	694	6.2	10.26	80.2				
05/29/2023	11:19:30	235	0.0	10.76	82.5	Shut down - Drop Bottom Plug			
05/29/2023	11:20:00	64	0.0	10.26	82.5	Start Mixing CemFIT Heal WELLBOND @ 12ppg			
05/29/2023	11:20:30	59	0.0	10.26	82.5	Yield = 1.82 ft3/sk			
05/29/2023	11:20:44	57	0.0	10.26	82.5				
05/29/2023	11:21:00	56	0.0	10.26	82.5	Mix water = 5.95 gal/sk			
05/29/2023	11:22:24	50	0.0	10.26	82.5				
05/29/2023	11:24:04	47	0.0	10.26	82.5				
05/29/2023	11:25:44	46	0.0	10.26	82.5				
05/29/2023	11:27:18	37	1.2	10.28	82.5	Start Pumping 270.7 (834sks) lead cement			
05/29/2023	11:29:04	796	4.2	11.82	88.3				
05/29/2023	11:30:44	1476	6.1	11.88	96.4				
05/29/2023	11:32:24	1227	6.0	11.93	106.5				
05/29/2023	11:34:00	1247	4.3	11.85	116.0	Shut down @ 15 bbls away - varified bottom plug was away			
05/29/2023	11:34:04	64	0.2	12.15	116.1				
05/29/2023	11:35:00	-12	0.0	12.13	116.1	Plug was not away - loaded new bottom plug			
05/29/2023	11:35:44	-10	0.0	11.83	116.1				
05/29/2023	11:37:24	-9	0.0	11.84	116.1				
05/29/2023	11:39:04	-8	0.0	11.84	116.1				
05/29/2023	11:40:44	-7	0.0	11.84	116.1				
05/29/2023	11:42:24	-7	0.0	11.84	116.1				
05/29/2023	11:44:04	-7	0.0	11.84	116.1				
05/29/2023	11:45:44	-8	0.0	11.84	116.1				
05/29/2023	11:47:24	-8	0.0	11.84	116.1				
05/29/2023	11:49:04	-8	0.0	11.84	116.1				
05/29/2023	11:50:44	-8	0.0	11.84	116.1				
05/29/2023	11:52:24	-9	0.0	11.84	116.1				
05/29/2023	11:54:00	6	0.0	11.85	116.1	Start pumping - Tripped at 680 psi			
05/29/2023	11:54:04	45	0.4	11.84	116.1				
05/29/2023	11:55:44	563	4.2	11.80	119.0				
05/29/2023	11:57:00	-5	0.0	11.88	120.0	Start pumping - Tripped at 900 psi			
05/29/2023	11:57:24	5	0.3	11.86	120.0				
05/29/2023	11:59:04	698	3.5	11.81	123.7				
05/29/2023	12:00:44	134	1.9	12.07	124.5				
05/29/2023	12:02:24	487	3.9	12.00	129.5				
05/29/2023	12:04:00	1010	5.9	12.03	136.9	Start pumping - varified plug was away			
05/29/2023	12:04:04	1127	5.9	12.03	137.3				
05/29/2023	12:05:44	1252	5.8	12.07	147.1				
05/29/2023	12:07:24	1063	5.9	12.04	157.0				
05/29/2023	12:09:04	1219	5.8	12.03	166.7				
05/29/2023	12:10:44	1105	6.2	12.03	177.1				
05/29/2023	12:12:24	991	6.2	12.03	187.1				
05/29/2023	12:14:04	762	5.8	12.00	197.6				
05/29/2023	12:15:00	901	6.1	11.99	203.3	Good Returns			
05/29/2023	12:15:44	892	6.0	11.99	207.7				
05/29/2023	12:17:24	995	6.0	12.07	217.7				
05/29/2023	12:18:30	992	6.0	12.05	224.3	Mud scale reads = 12 ppg			
05/29/2023	12:19:04	980	6.0	11.98	227.7				

Well			Field		Job Start	Customer		Job Number
Rainbow 9-2HZ			Wattenberg		May/29/2023	OXY		EOIC-01577
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
05/29/2023	12:20:44	926	6.0	11.92	237.7			
05/29/2023	12:22:24	921	6.0	11.90	247.7			
05/29/2023	12:24:04	870	6.3	11.98	257.6			
05/29/2023	12:25:44	835	6.2	12.01	267.8			
05/29/2023	12:27:24	996	6.0	11.98	277.9			
05/29/2023	12:29:04	899	6.0	11.95	287.9			
05/29/2023	12:30:44	872	6.2	11.95	298.1			
05/29/2023	12:32:24	926	6.2	11.95	308.5			
05/29/2023	12:34:04	895	6.3	11.97	318.9			
05/29/2023	12:35:44	940	6.1	11.97	329.3			
05/29/2023	12:37:24	906	6.3	11.97	339.7			
05/29/2023	12:39:04	908	6.2	11.95	350.1			
05/29/2023	12:40:44	735	6.3	11.72	360.5			
05/29/2023	12:41:00	789	6.3	11.72	362.2	End Lead Cement		
05/29/2023	12:42:00	-30	0.0	11.94	362.7	Start mixing tail slurry @ 13.5ppg		
05/29/2023	12:42:24	-30	0.0	11.94	362.7			
05/29/2023	12:42:30	-30	0.0	11.94	362.7	Yield = 1.64 ft3/sk		
05/29/2023	12:43:00	-30	0.0	11.93	362.7	Mix Water = 7.90 gal/sk		
05/29/2023	12:44:04	-30	0.0	11.92	362.7			
05/29/2023	12:45:44	-29	0.0	11.90	362.7			
05/29/2023	12:47:00	-29	0.0	11.90	362.7	Start Pumping 205.7 bbl (703 sks) tail cement		
05/29/2023	12:47:24	69	1.9	12.90	363.3			
05/29/2023	12:49:04	767	4.3	13.61	368.4			
05/29/2023	12:50:44	794	7.7	13.57	377.5			
05/29/2023	12:52:24	825	7.7	13.59	390.3			
05/29/2023	12:53:00	770	7.7	13.57	394.9	Good Returns		
05/29/2023	12:54:04	968	7.7	13.59	403.1			
05/29/2023	12:55:44	1173	7.6	13.56	415.8			
05/29/2023	12:57:24	1219	7.6	13.58	428.5			
05/29/2023	12:58:00	1135	7.6	13.60	433.0	Mud scale reads = 13.5 ppg		
05/29/2023	12:59:04	1037	7.6	13.56	441.1			
05/29/2023	12:59:21	980	7.6	13.56	443.3	Wet/Dry Samples Collected		
05/29/2023	13:00:44	773	7.6	13.53	453.8			
05/29/2023	13:02:24	765	7.6	13.65	466.4			
05/29/2023	13:04:04	901	7.6	13.61	479.0			
05/29/2023	13:05:44	1137	7.5	13.57	491.6			
05/29/2023	13:07:24	1169	7.6	13.55	504.1			
05/29/2023	13:09:04	1058	7.5	13.52	516.7			
05/29/2023	13:10:44	982	7.5	13.53	529.2			
05/29/2023	13:12:24	710	7.5	13.55	541.8			
05/29/2023	13:14:04	724	7.5	13.56	554.3			
05/29/2023	13:15:44	744	7.5	13.19	566.9			
05/29/2023	13:16:00	945	7.6	13.22	569.0	End tail cement		
05/29/2023	13:17:24	-30	0.0	13.35	570.5			
05/29/2023	13:19:04	-30	0.0	13.35	570.5			
05/29/2023	13:20:44	-29	0.0	13.35	570.5			
05/29/2023	13:21:00	-29	0.0	13.35	570.5	Wash up cement pump unit to tank		
05/29/2023	13:22:00	-27	0.0	10.38	570.7	Drop Top Plug		
05/29/2023	13:22:24	53	1.5	10.61	571.4			
05/29/2023	13:25:44	29	2.2	8.49	577.6			
05/29/2023	13:27:24	21	2.3	8.44	581.4			
05/29/2023	13:29:04	29	2.3	8.34	585.2			
05/29/2023	13:30:44	21	2.2	8.33	589.0			
05/29/2023	13:32:24	-2	0.0	8.18	589.2			

Well			Field		Job Start	Customer		Job Number
Rainbow 9-2HZ			Wattenberg		May/29/2023	OXY		EOIC-01577
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
05/29/2023	13:34:04	24	2.2	8.54	590.0			
05/29/2023	13:35:44	-28	0.0	8.36	591.5			
05/29/2023	13:36:00	-28	0.0	8.35	591.5	Start 357.8 bbl Displacement (Sugar + Bioside)		
05/29/2023	13:37:24	-29	2.2	8.40	592.7			
05/29/2023	13:39:04	96	4.5	8.36	599.8			
05/29/2023	13:40:00	140	4.5	8.36	603.9	Good Returns		
05/29/2023	13:40:44	131	6.1	8.36	607.8			
05/29/2023	13:42:24	474	7.8	8.37	620.1			
05/29/2023	13:44:04	492	7.7	8.33	633.0			
05/29/2023	13:45:44	1142	7.6	8.33	645.8			
05/29/2023	13:47:24	1169	7.6	8.33	658.3			
05/29/2023	13:49:04	906	7.4	8.33	670.6			
05/29/2023	13:50:44	1104	7.1	8.33	682.9			
05/29/2023	13:52:24	1079	7.4	8.32	695.2			
05/29/2023	13:54:04	1188	7.5	8.32	707.6			
05/29/2023	13:55:44	1163	7.5	8.32	720.0			
05/29/2023	13:57:24	1297	7.4	8.32	732.3			
05/29/2023	13:59:04	1504	7.2	8.32	744.5			
05/29/2023	14:00:44	1743	7.2	8.32	756.6			
05/29/2023	14:02:24	2838	7.1	8.32	768.4			
05/29/2023	14:04:04	2910	7.0	8.32	780.1			
05/29/2023	14:05:44	2198	7.0	8.32	791.8			
05/29/2023	14:07:24	2352	7.0	8.32	803.5			
05/29/2023	14:09:04	2443	6.9	8.32	815.1			
05/29/2023	14:10:44	3189	6.9	8.32	826.7			
05/29/2023	14:12:24	3037	7.0	8.32	838.4			
05/29/2023	14:14:04	2542	7.1	8.32	850.1			
05/29/2023	14:15:44	2588	5.9	8.32	860.7			
05/29/2023	14:17:24	2375	5.8	8.32	870.5			
05/29/2023	14:19:04	1967	0.2	8.32	879.9			
05/29/2023	14:20:44	1293	0.0	8.32	879.9			
05/29/2023	14:22:24	2451	4.2	8.32	882.1			
05/29/2023	14:24:04	2125	4.4	8.32	889.1			
05/29/2023	14:25:44	1974	4.4	8.32	896.4			
05/29/2023	14:27:24	2305	5.5	8.32	904.2			
05/29/2023	14:29:04	2555	5.6	8.32	913.3			
05/29/2023	14:30:44	1446	6.8	8.32	923.6			
05/29/2023	14:32:24	1806	6.6	8.32	934.7			
05/29/2023	14:34:04	2426	6.6	8.32	945.7			
05/29/2023	14:35:44	2731	6.6	8.32	956.7			
05/29/2023	14:37:24	1542	6.5	8.32	967.7			
05/29/2023	14:39:04	709	0.0	8.32	970.4			
05/29/2023	14:40:44	-33	0.0	8.32	970.4			
05/29/2023	14:42:24	-33	0.0	8.32	970.9			
05/29/2023	14:44:04	-33	0.0	8.32	970.9			
05/29/2023	14:45:44	-33	0.0	8.32	970.9			
05/29/2023	14:47:24	-32	0.0	8.32	970.9			
05/29/2023	14:49:04	-32	0.0	8.32	970.9			
05/29/2023	14:50:44	280	4.5	8.31	975.2			
05/29/2023	14:52:24	1676	7.1	8.31	986.8			
05/29/2023	14:54:04	2120	6.8	8.31	998.3			
05/29/2023	14:55:44	1685	5.8	8.31	1008.5			
05/29/2023	14:57:24	1742	5.3	8.31	1017.7			
05/29/2023	14:59:04	2107	5.4	8.31	1026.7			

Well		Field		Job Start		Customer		Job Number	
Rainbow 9-2HZ		Wattenberg		May/29/2023		OXY		EOIC-01577	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/29/2023	15:00:44	1688	5.2	8.31	1035.5				
05/29/2023	15:02:24	2202	5.3	8.31	1044.3				
05/29/2023	15:04:04	1683	5.3	8.31	1053.1				
05/29/2023	15:05:44	2180	5.3	8.31	1062.0				
05/29/2023	15:07:24	1567	5.3	8.31	1070.8				
05/29/2023	15:09:04	1871	5.3	8.31	1079.6				
05/29/2023	15:10:44	1829	5.3	8.31	1088.5				
05/29/2023	15:11:19	2542	2.0	8.31	1091.4	Bump Top Plug			
05/29/2023	15:12:24	2578	2.6	8.31	1092.0				
05/29/2023	15:14:04	2657	2.2	8.31	1094.6				
05/29/2023	15:15:44	2691	2.1	8.31	1098.2				
05/29/2023	15:17:24	2812	2.1	8.31	1101.0				
05/29/2023	15:19:04	2883	0.0	8.31	1102.2				
05/29/2023	15:20:44	2940	2.0	8.31	1104.6				
05/29/2023	15:21:02	2929	0.0	8.31	1105.1	Start 15 min Casing Test (2989 psi)			
05/29/2023	15:22:24	2961	0.0	8.31	1105.1				
05/29/2023	15:24:04	2981	0.0	8.31	1105.1				
05/29/2023	15:25:44	2997	0.0	8.31	1105.1				
05/29/2023	15:27:24	3016	0.0	8.31	1105.1				
05/29/2023	15:29:04	3032	0.0	8.31	1105.1				
05/29/2023	15:30:02	3043	0.0	8.31	1105.1	10 min Casing test (3052 psi)			
05/29/2023	15:30:44	3050	0.0	8.31	1105.1				
05/29/2023	15:32:24	3067	0.0	8.31	1105.1				
05/29/2023	15:34:04	3082	0.0	8.31	1105.1				
05/29/2023	15:35:02	3092	0.0	8.31	1105.1	End Casing Trest (3092 psi)			
05/29/2023	15:35:44	3098	0.0	8.31	1105.1				
05/29/2023	15:36:20	3104	0.0	8.31	1105.1	Bleed off - 4bbls back - floats held			
05/29/2023	15:36:35	3106	0.0	8.31	1105.1	Rig Down			
05/29/2023	15:37:24	491	0.0	8.31	1105.1				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.7			8.6	475.7	0.0	80.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
6068	0	1344	2500		FreshWater	613.2 bbl	8.34 lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume			
%	475.7 bbl	357.8 bbl	71 degF	<input type="checkbox"/>	bbl			
				Washed Thru Perfs	To			
				<input type="checkbox"/>	ft			
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed		
Sam Antim			Dustin Krueger		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
					-	-		