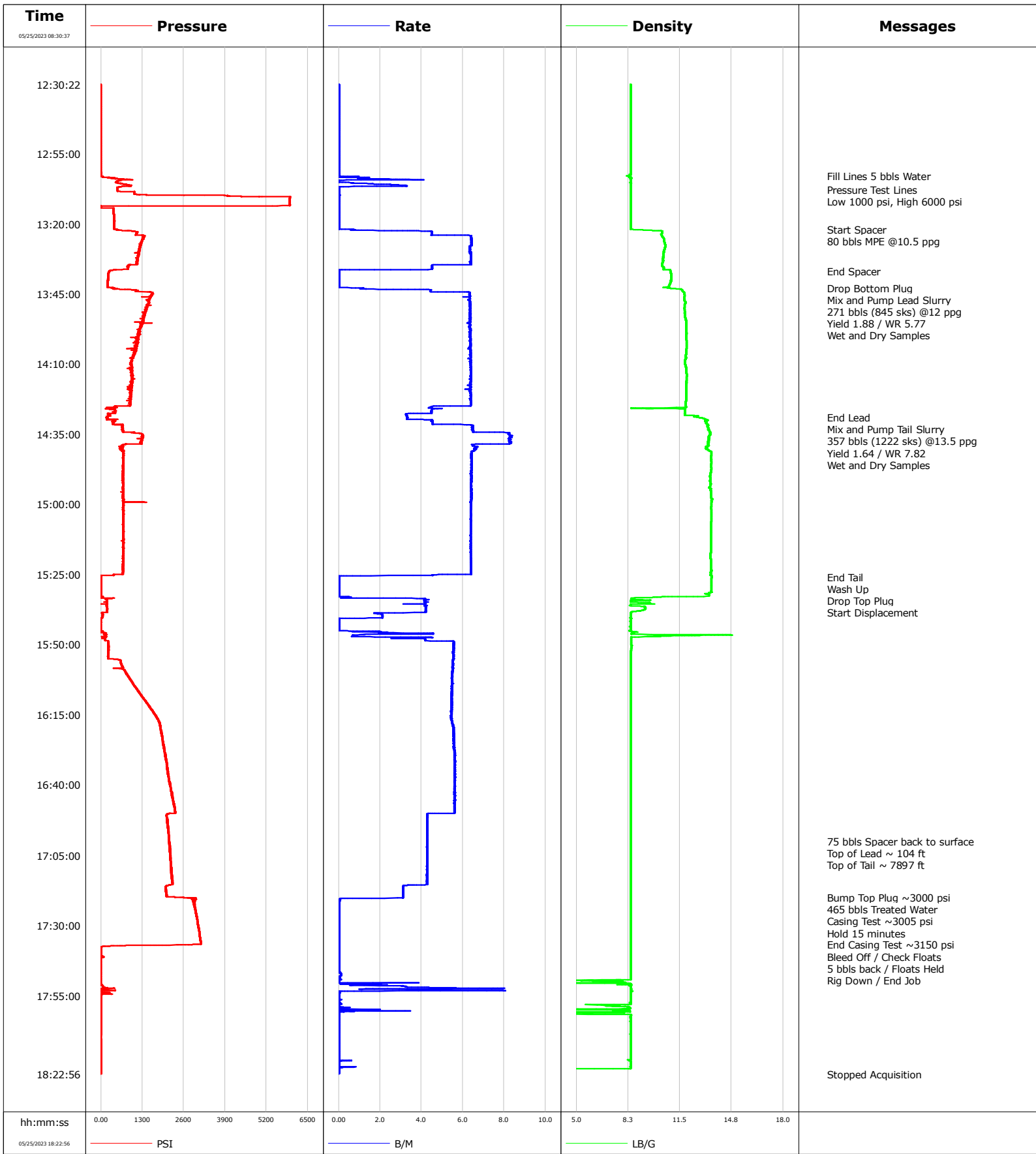


Well	RAINBOW	Client	OXY Petroleum
Field	Wattenberg	SIR No.	EOIC-01576
Engineer	Omar Sanchez	Job Type	Production
Country	USA	Job Date	05/25/23



				Customer			Job Number			
				OXY Petroleum			EOIC-01576			
Well		Location (legal)			Schlumberger Location			Job Start		
RAINBOW 9-1HZ					Pierre-Alexandre Lessard			May/25/2023		
Field		Formation Name/Type			Deviation	Bit Size	Well MD		Well TVD	
Wattenberg					deg	in	20063.0 ft		6937.0 ft	
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient		
Weld		Colorado			psi	230 degF	230 degF	lb/gal		
Well Master		API/UWI								
0066666923		05-123-51984-00-00								
Rig Name	Drilled For		Service Via		Casing/Liner					
PD461	Oil & Gas		Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class		Well Type		20047.0	5.5	17.0	P110	8RD	
	New		Development		0.0	0.0	0.0			
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe					
OBM		9.30 lb/gal	21.000 cP		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type									
Cementing	Production									
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole					
psi	psi				Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
Service Instructions Pressure Test : 1000 psi Low, 6000 psi High Lead Slurry @ 12 ppg Volume = 271 bbl ; Sacks = 845 Yield = 1.80 ft ³ /sk ; WR = 5.77 gps Tail Slurry @ 13.5 ppg Class G Volume = 357 bbl ; Sacks = 1222 Yield = 1.64 ft ³ /sk ; WR = 7.82 gps Water : Temp 55 ; Cl < 100 ; pH 7 Spacer to Surface = 75 bbl					ft	ft			ft	
					ft	ft			Diameter	
					ft	ft			in	
		Treat Down	Displacement		Packer Type		Packer Depth			
		Casing	465.0 bbl				ft			
		Tubing Vol.	Casing Vol.		Annular Vol.		Openhole Vol.			
		bbl	466.0 bbl		651.0 bbl		561.0 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	14344 psi			Shoe Type		Float	Squeeze Type			
				Shoe Depth		20047.0 ft	Tool Type			
Pipe Rotated	<input type="checkbox"/>	Pipe Reciprocated		<input type="checkbox"/>						
No. Centralizers	Top Plugs	1	Bottom Plugs	1	Stage Tool Type		Tool Depth			
							ft			
Cement Head Type				Stage Tool Depth		ft	Tail Pipe Size			
							in			
Job Scheduled For		Arrived on Location		Leave Location		Collar Type		Float	Tail Pipe Depth	
May/25/2023 09:00		May/25/2023 08:00		May/25/2023 19:00		Collar Depth		20001.0 ft	ft	
									Sqz. Total Vol.	
									bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
05/25/2023	12:30:00	-3	0.0	8.39	19.9	Safety Meeting				
05/25/2023	13:03:00	7	0.1	8.34	19.9	Fill Lines 5 bbls Water				
05/25/2023	13:08:00	514	0.0	8.40	24.9	Pressure Test Lines				
05/25/2023	13:10:00	3976	0.0	8.40	24.9	Low 1000 psi, High 6000 psi				
05/25/2023	13:24:00	1103	4.5	10.34	32.0	80 bbls MPE @10.5 ppg				
05/25/2023	13:37:00	260	0.0	10.92	107.7	End Spacer				
05/25/2023	13:43:00	441	1.2	10.89	107.8	Drop Bottom Plug				
05/25/2023	13:43:10	447	1.1	11.16	108.0	Mix and Pump Lead Slurry				
05/25/2023	13:44:00	1158	4.4	11.65	110.9	271 bbls (845 sks) @12 ppg				
05/25/2023	13:45:00	1598	6.3	11.76	116.6	Yield 1.88 / WR 5.77				
05/25/2023	13:46:00	1571	6.3	11.78	122.9	Wet and Dry Samples				
05/25/2023	14:29:30	205	3.3	13.02	388.9	Mix and Pump Tail Slurry				
05/25/2023	14:30:00	388	4.5	13.24	390.8	357 bbls (1222 sks) @13.5 ppg				
05/25/2023	14:31:00	409	4.5	13.15	395.3	Yield 1.64 / WR 7.82				
05/25/2023	14:32:00	690	6.5	13.23	400.7	Wet and Dry Samples				
05/25/2023	15:26:00	1	0.0	13.49	750.0	End Tail				
05/25/2023	15:30:00	4	0.0	13.48	750.0	Wash Up				
05/25/2023	15:33:00	51	0.5	10.34	750.1	Drop Top Plug				
05/25/2023	15:33:10	54	0.6	9.77	750.2	Start Displacement				
05/25/2023	17:00:00	2148	4.3	8.41	1168.3	75 bbls Spacer back to surface				
05/25/2023	17:01:00	2154	4.3	8.40	1172.5	Top of Lead ~ 104 ft				

Well		Field		Job Start		Customer		Job Number	
RAINBOW 9-1HZ		Wattenberg		May/25/2023		OXY Petroleum		EOIC-01576	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/25/2023	17:20:00	2356	3.1	8.41	1248.7	Bump Top Plug ~3000 psi			
05/25/2023	17:20:30	2908	0.1	8.40	1249.8	465 bbls Treated Water			
05/25/2023	17:21:00	2882	0.1	8.41	1249.8	Casing Test ~3005 psi			
05/25/2023	17:22:00	2902	0.0	8.41	1249.8	Hold 15 minutes			
05/25/2023	17:37:00	2380	0.0	8.40	1250.3	End Casing Test ~3150 psi			
05/25/2023	17:38:00	1	0.0	8.40	1250.3	Bleed Off / Check Floats			
05/25/2023	17:38:30	1	0.0	8.40	1250.3	5 bbls back / Floats Held			
05/25/2023	17:45:00	-1	0.0	8.40	1250.5	Rig Down / End Job			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
4.4			8.4	628.0	0.0	80.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
5943	0	1023	3000			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume			
%	628.0 bbl	465.0 bbl	55 degF	<input type="checkbox"/>	bbl			
				Washed Thru Perfs	To			
				<input type="checkbox"/>	ft			
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	Job Completed			
Sam Antrim	Omar Sanchez			<input type="checkbox"/>	<input checked="" type="checkbox"/>			
				-	-			