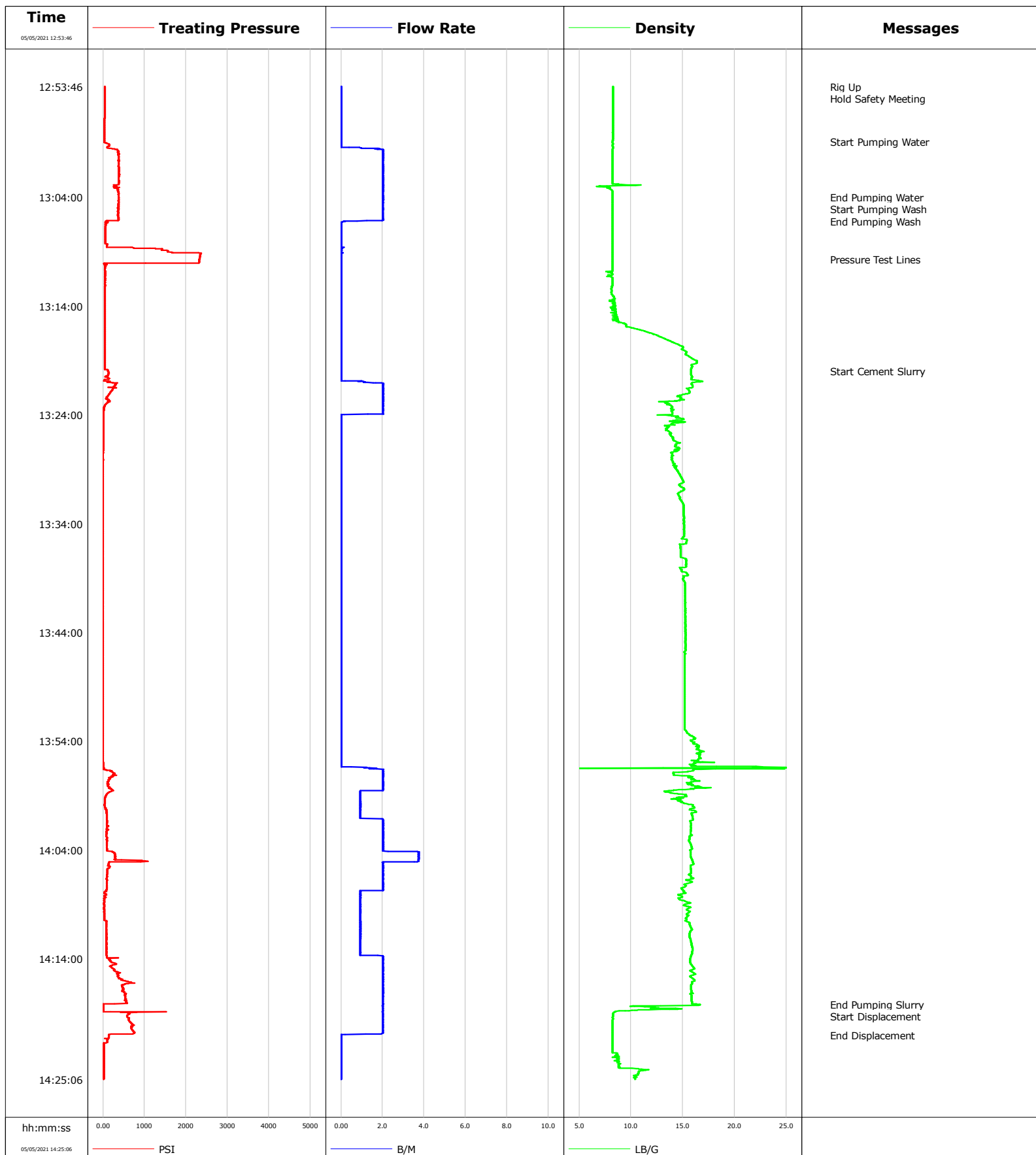


Well Waterfront 11-34
Field DJ
Engineer Matt Leiker
Country United States

Client Oxy
SIR No. EAJ7-02061
Job Type Plug
Job Date 05-05-2021



Cementing Service Report

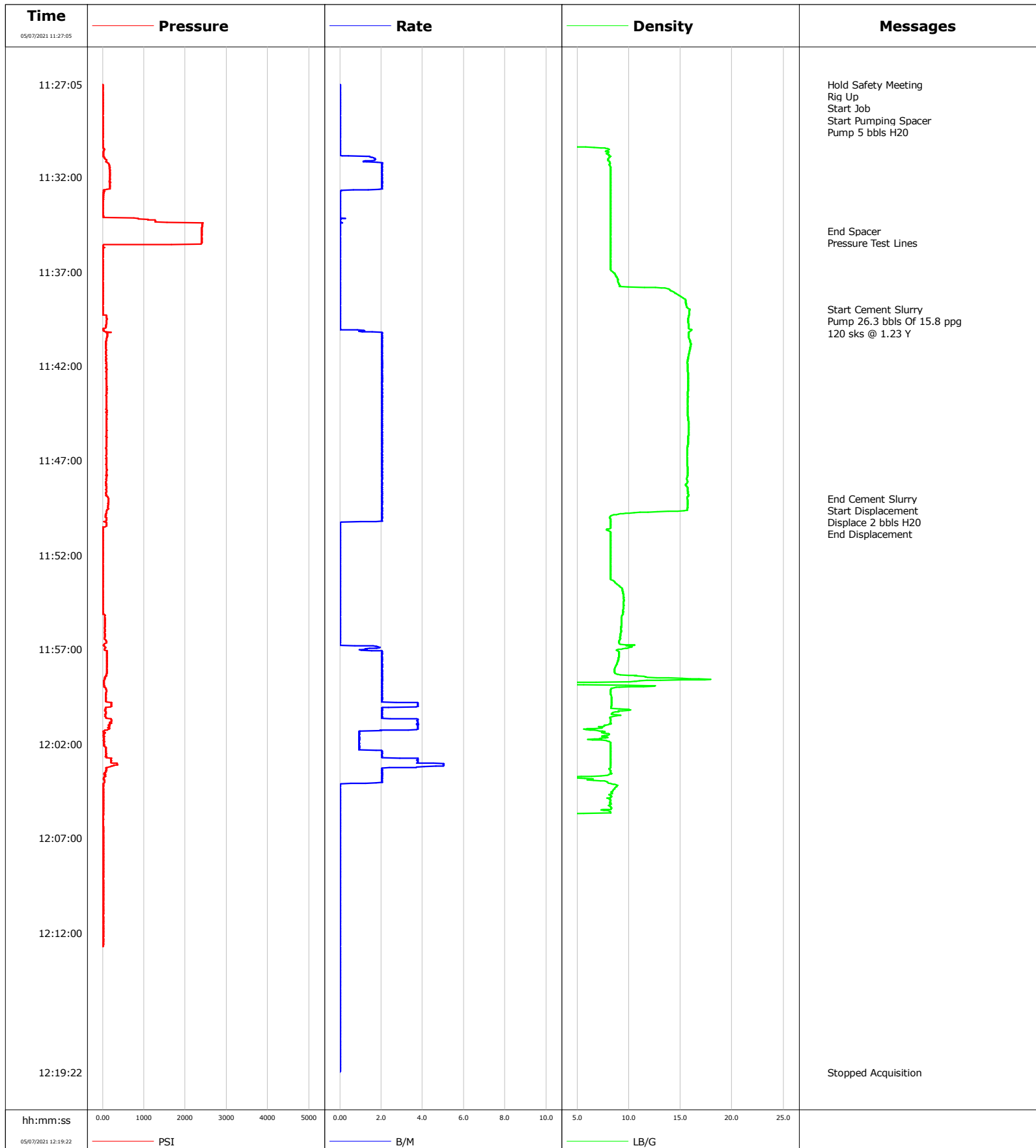
				Customer Oxy			Job Number EAJ7-02061							
Well Waterfront 11-34			Location (legal)			Schlumberger Location Cheyenne			Job Start May/05/2021					
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD ft		Well TVD ft			
County Weld		State/Province Colorado			BHP psi		BHST degF		BHCT degF		Pore Press. Gradient lb/gal			
Well Master		API/UWI												
Rig Name Ensign 316		Drilled For Oil		Service Via Land		Casing/Liner								
						Depth, ft		Size, in		Weight, lb/ft		Grade		
Offshore Zone		Well Class Old		Well Type Workover										
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe								
						T/D		Depth, ft		Size, in		Weight, lb/ft		
												Grade		
												Thread		
Service Line Cementing		Job Type Plug					T		2060.0		2.4		4.7	
									0.0		0.0		0.0	
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole								
						Top, ft		Bottom, ft		shot/ft		No. of Shots		
						ft		ft						
						ft		ft						
						ft		ft				Diameter in		
						Treat Down Tubing		Displacement 4.6 bbl		Packer Type		Packer Depth ft		
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl		Openhole Vol. bbl		
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools				Squeeze Job				
Lift Pressure psi						Shoe Type				Squeeze Type				
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth ft				Tool Type				
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth ft				
Cement Head Type						Stage Tool Depth ft				Tail Pipe Size in				
Job Scheduled For May/05/2021		Arrived on Location May/05/2021		Leave Location May/05/2021		Collar Type				Tail Pipe Depth ft				
						Collar Depth ft				Sqz. Total Vol. bbl				
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate LB/G		Density PSI		Message						
05/05/2021	12:53:46	46		0.00		0		Started Acquisition						
05/05/2021	12:53:47	46		0.00		0		Rig Up						
05/05/2021	12:53:48	46		0.00		0		Hold Safety Meeting						
05/05/2021	12:58:46	27		0.00		0								
05/05/2021	12:58:51	27		0.00		0		Start Pumping Water						
05/05/2021	13:03:46	385		0.00		0								
05/05/2021	13:03:58	375		0.00		0		End Pumping Water						
05/05/2021	13:03:59	371		0.00		0		Start Pumping Wash						
05/05/2021	13:06:14	64		0.00		0		End Pumping Wash						
05/05/2021	13:08:46	1419		0.00		0								
05/05/2021	13:09:41	2321		0.00		0		Pressure Test Lines						
05/05/2021	13:13:46	46		0.00		0								
05/05/2021	13:18:46	41		0.00		0								
05/05/2021	13:19:57	119		0.00		0		Start Cement Slurry						
05/05/2021	13:23:46	9		0.00		0								
05/05/2021	13:28:46	-5		0.00		0								
05/05/2021	13:33:46	-5		0.00		0								
05/05/2021	13:38:46	-5		0.00		0								
05/05/2021	13:43:46	-5		0.00		0								
05/05/2021	13:48:46	-5		0.00		0								
05/05/2021	13:53:46	-5		0.00		0								

Well Waterfront 11-34		Field DJ		Job Start May/05/2021	Customer Oxy	Job Number EAJ7-02061
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate LB/G	Density PSI	Message	
05/05/2021	14:03:46	92	0.00	0		
05/05/2021	14:08:46	27	0.00	0		
05/05/2021	14:13:46	92	0.00	0		
05/05/2021	14:18:11	0	0.00	0	End Pumping Slurry	
05/05/2021	14:18:12	0	0.00	0	Start Displacement	
05/05/2021	14:18:46	9	0.00	0		
05/05/2021	14:21:04	142	0.00	0	End Displacement	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 1.8	N2	Mud	Maximum Rate 3.8	Total Slurry 50.4	Mud 0.0	Spacer 15.0	N2					
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 2376	Final 0	Average 198	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 50.4 bbl	Displacement 4.6 bbl	Mix Water Temp 71 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative Jorge Montelongo			Schlumberger Supervisor Matt Leiker			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					

Well	Waterfront 11-34	Client	Oxy
Field	DJ	SIR No.	
Engineer	Justin Zika	Job Type	AGM Plug
Country	United States	Job Date	05-07-2021



Cementing Service Report

				Customer Oxy			Job Number				
Well Waterfront 11-34			Location (legal)		Schlumberger Location			Job Start May/07/2021			
Field DJ		Formation Name/Type		Deviation deg	Bit Size in		Well MD ft		Well TVD ft		
County Weld		State/Province Colorado		BHP psi	BHST degF		BHCT degF		Pore Press. Gradient lb/gal		
Well Master 64529172		API/UWI 0512325541									
Rig Name	Drilled For Oil		Service Via Land	Casing/ Liner							
				Depth, ft		Size, in	Weight, lb/ft		Grade	Thread	
Offshore Zone	Well Class Old		Well Type Workover								
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe							
				T/D	Depth, ft	Size, in	Weight, lb/ft		Grade	Thread	
Service Line Cementing		Job Type AGM Plug			1000.0	2.4	4.7		J55	8RD	
					0.0	0.0	0.0				
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi	WH Connection 2 3/8" 4.7# T/S	Perforations/Open Hole							
				Top, ft		Bottom, ft		shot/ft		No. of Shots	Total Interval ft
Service Instructions Pressure Test: 2500 psi Estimated BOC = 1000 ; Estimated TOC = 679 Cement Type Density = "15.8 ppg Mid AGM" Volume = 26.3 ; Sacks = 120 Yield = 1.23 Gps = 5.260 gps Water: Temp 70, CI >200, pH 7				ft		ft					
				ft		ft					Diameter in
				ft		ft					
		Treat Down Snubbing		Displacement 2.0 bbl		Packer Type		Packer Depth ft			
		Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl		Openhole Vol. bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools				Squeeze Job			
Lift Pressure psi				Shoe Type				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft				Tool Type			
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type				Tool Depth ft			
Cement Head Type				Stage Tool Depth ft				Tail Pipe Size in			
Job Scheduled For May/07/2021		Arrived on Location May/07/2021		Leave Location May/07/2021		Collar Type		Tail Pipe Depth ft			
						Collar Depth ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
05/07/2021	11:27:05	0	0.0	0.01	0.0	Started Acquisition					
05/07/2021	11:27:06	5	0.0	0.01	0.0	Hold Safety Meeting					
05/07/2021	11:27:07	0	0.0	0.01	0.0	Start Job					
05/07/2021	11:27:16	0	0.0	0.01	0.0	Start Pumping Spacer					
05/07/2021	11:27:18	0	0.0	0.01	0.0	Pump 5 bbls H2O					
05/07/2021	11:32:05	179	2.0	8.24	2.3						
05/07/2021	11:34:51	2399	0.0	8.24	3.5	End Spacer					
05/07/2021	11:34:54	2399	0.0	8.24	3.5	Pressure Test Lines					
05/07/2021	11:37:05	0	0.0	8.60	3.5						
05/07/2021	11:39:00	0	0.0	15.91	3.5	Start Cement Slurry					
05/07/2021	11:42:05	82	2.0	15.70	7.4						
05/07/2021	11:47:05	87	2.0	15.67	17.6						
05/07/2021	11:49:00	137	2.0	15.65	21.6	End Cement Slurry					
05/07/2021	11:50:00	69	2.0	8.17	23.6	End Displacement					
05/07/2021	11:52:05	5	0.0	8.23	24.1						
05/07/2021	11:57:05	101	2.0	8.97	24.5						
05/07/2021	12:02:05	32	0.9	8.25	35.4						
05/07/2021	12:07:05	14	0.0	0.02	40.3						
05/07/2021	12:12:05	14	0.0	0.01	40.3						
05/07/2021	12:17:05	-3708	0.0	-6.25	40.3						

Well Waterfront 11-34	Field DJ	Job Start May/07/2021	Customer Oxy	Job Number
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 2.1	N2	Mud	Maximum Rate 5.0		Total Slurry 26.3	Mud 0.0	Spacer 5.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 2431	Final -3708	Average 130	Bump Plug to	Breakdown	Type		Volume bbl		Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 26.3 bbl		Displacement 2.0 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface?	<input type="checkbox"/>	Volume bbl	
								Washed Thru Perfs		<input type="checkbox"/>	To ft
Customer or Authorized Representative Jorge Montelongo				Schlumberger Supervisor Justin Zika				Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-	



Service Order #: 479370

Date: 10/3/2022

Well Name:	Location:	County:	St:	API#	
WATERFRONT 11-34		WELD	CO		
Formation:	Cement Via:	Type Of Service:	Well Type/Age:	AFE#:	PO#:
	TUBING	PLUG	REWORK		

Customer: OXY

Remarks: UPPER AGM, 1.21 YIELD, 5.15 GAL/SK, 15.8 LBS/GAL
85 SKS, 18.3 BBLS, @ 1040'-786' ETOC
TEMP-70°F, PH-7, CHLORIDES 82 PPM

Customer Rep: I.SALINAS

PH:

WELLBORE DATA

Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24	897.0	
Production Casing:	0	0	0.0	0
Intermediate:	0	0	0.0	0
Drill Pipe:	0	0	0.0	0
Tubing:	2.375	4.7	1,040.0	

OTHER DATA

BHT	Max PSI	Total Depth
	491	1,040

Packer or Retainer Type/Depth:

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Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				0
Open Hole:	7.9	897.0	1,040.0	

Perf Depths: # TotalPerf

	0	
	0	
	0	

TIME	PUMP RATES		DENSITY (lb/gal)	PRESS (psi)	STG TOT (bbls)	TOTAL (bbls)	REMARKS
	WATER (gpm)	PUMP (bpm)					
9:31	0	0.0	7.91	1839	52.7	99.3	PSI TEST
9:32	0	0.2	7.91	6	0.0	0.0	MUD FLUSH
9:37	0	4.1	8.41	358	10.0	10.0	H2O SPACER
9:38	0	4.1	16.03	389	5.0	15.1	START CEMENT
9:43	0	4.1	17.09	304	18.5	33.8	END CEMENT START DISPLACEMENT
9:44	0	0.0	13.42	0	3.1	37.0	OFFLINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
4.1	6.6	1,844	222

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

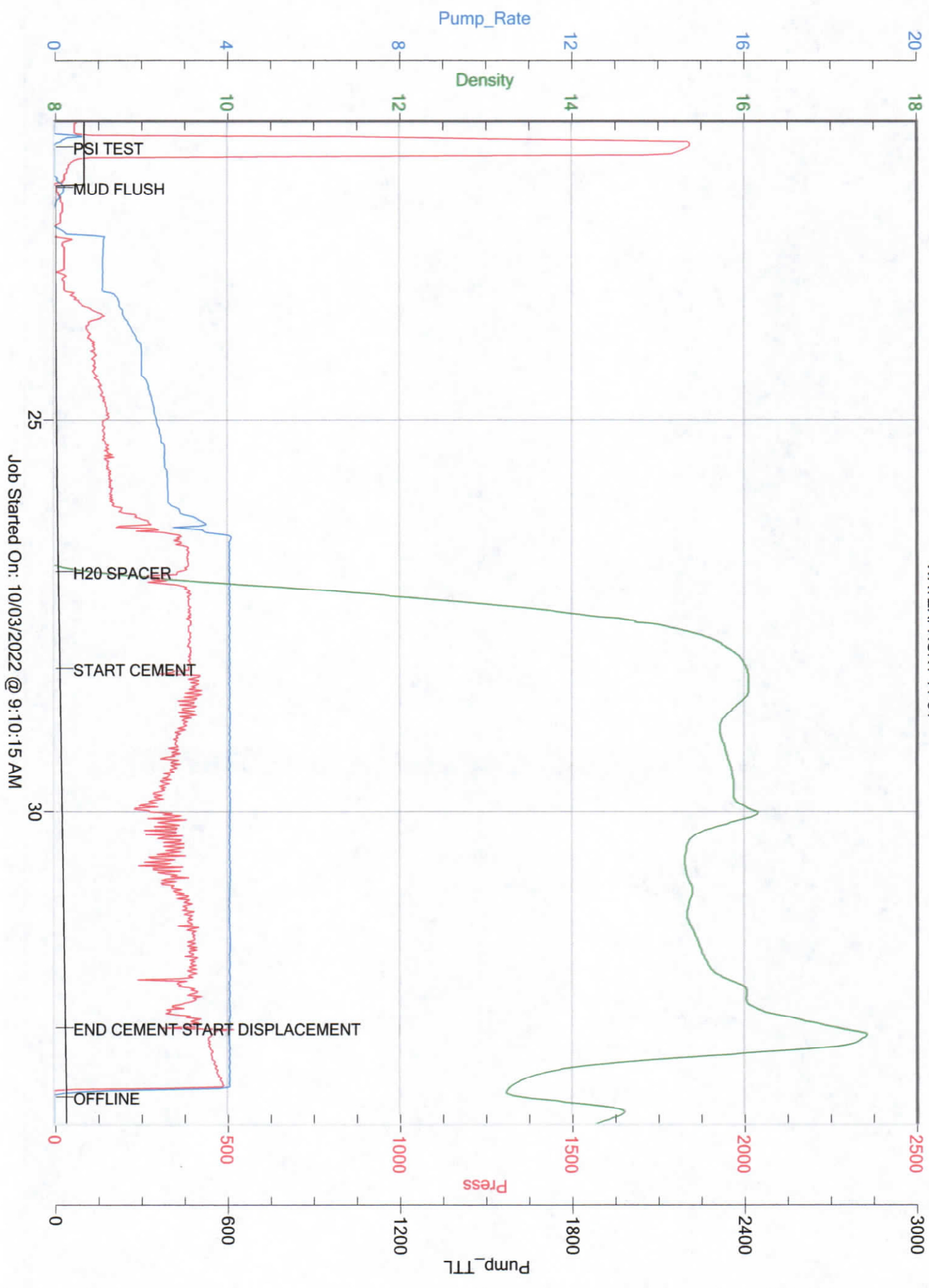
Cementer:

A.HOWELL

PRODUCTS USED

CLASS G CMT, 4% GYPSUM, 1.5% CaCl, .4% LATEX

OXY
WATERFRONT 11-34



Job Started On: 10/03/2022 @ 9:10:15 AM



CEMENT REPORT - PAGE 1

Service Order #: 479501

Date: 10/4/2022

Well Name:	Location:	County:	St:	API#	
WATERFRONT 11-34		WELD	CO		
Formation:	Cement Via:	Type Of Service:	Well Type/Age:	AFE#:	PO#:
	TUBING	PLUG	REWORK		
Customer:	OXY		Remarks: SURFACE AGM, 1.21 YIELD, 5.17 GAL/SK, 15.8 LBS/GAL 95 SKS, 20.5 BBLS, @303'-0' TEMP-68.2^ F, PH-7, CHLORIDES 28 PPM		
Customer Rep:	I.SALINAS		PH:		

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24		
Production Casing:	0	0	0.0	0
Intermediate:	0	0	0.0	0
Drill Pipe:	0	0	0.0	0
Tubing:	2.375	303		

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				0
Open Hole:	0.0			

OTHER DATA		
BHT	Max PSI	Total Depth
	200	303

Packer or Retainer Type/Depth:

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Perf Depths:	#	TotalPerf
	0	
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbbls)	(bbbls)	
9:43	0	0.0	7.91	1187	17.2	51.1	PSI TEST
9:44	0	0.2	7.91	0	0.1	0.1	H2O SPACER
9:47	48	1.2	14.36	24	3.2	3.2	START CEMENT
9:47	99	3.2	16.36	168	1.0	4.3	INCREASE RATE
9:55	0	1.2	12.96	58	20.5	23.7	CEMENT TO SURFACE
9:55	0	0.3	10.18	29	21.3	24.5	OFFLINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
3.2	3.4	1,261	81

Customer Acknowledgement:	Service Rating:	Cementer:	PRODUCTS USED
<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Unsatisfactory	A.HOWELL	CLASS G CMT, 4% GYPSUM, 2% CaCl, .4% LATEX
Report Center - Version 1.3.7 - 01/27/2022			

OXY
WATERFRONT 11-34

