

Cementing Service Report

				Customer Chevron			Job Number EN82-00159				
Well Rampart A33-790			Location (legal) SWSE Sec 20 T6N, R64W			Schlumberger Location			Job Start Aug/31/2021		
Field Weld County		Formation Name/Type Dirty-Sandstone		Deviation deg		Bit Size 13.5 in		Well MD 1924.0 ft		Well TVD 1924.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST degF		BHCT degF		Pore Press. Gradient lb/gal	
Well Master 0066087314		API/UWI 05-123-50932-00-00									
Rig Name H&P 517		Drilled For Oil		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
										Grade	
										Thread	
Offshore Zone		Well Class New		Well Type Development		110.0		16.0		36.94	
						1914.1		9.6		J-55	
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 Surface									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection .		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down Casing		Displacement 144.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 147.0 bbl		Annular Vol. 169.0 bbl	
										Openhole Vol. 159.9 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 600 psi						Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1914.0 ft			Tool Type		
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type			Tool Depth ft		
Cement Head Type						Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Aug/31/2021 01:30		Arrived on Location Aug/31/2021 01:30		Leave Location Aug/31/2021 05:30		Collar Type Float			Tail Pipe Depth ft		
						Collar Depth 1868.9 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Message			
08/31/2021	02:53:11	-0		0.0		8.41		Started Acquisition			
08/31/2021	02:55:16	-4		0.0		8.41					
08/31/2021	02:57:21	-4		0.0		8.41					
08/31/2021	02:59:26	-5		0.0		8.41					
08/31/2021	03:00:00	-4		0.0		8.41		Fill Lines			
08/31/2021	03:01:31	94		4.3		8.41					
08/31/2021	03:02:22	5		0.0		8.41		Pressure Test Lines			
08/31/2021	03:03:36	1310		0.0		8.41					
08/31/2021	03:04:48	26		1.5		8.41		Start Pumping Water			
08/31/2021	03:05:41	102		4.3		8.41					
08/31/2021	03:07:20	98		4.3		8.41		Remark			
08/31/2021	03:07:46	99		4.3		8.41					
08/31/2021	03:09:51	94		4.3		8.41					
08/31/2021	03:11:56	215		6.4		8.41					
08/31/2021	03:13:51	266		6.5		13.00		Start Mixing Lead Slurry			
08/31/2021	03:13:54	308		6.5		13.30		13.5 ppg Lead			
08/31/2021	03:14:35	179		4.6		13.39		1.68 ft3/sk 8.93 gal/sk			
08/31/2021	03:16:06	91		3.4		13.22					
08/31/2021	03:18:11	64		2.9		13.64					
08/31/2021	03:20:16	150		4.2		13.71					
08/31/2021	03:22:21	322		6.5		13.63					

Well Rampart A33-790 A33-780			Field Weld County		Job Start Aug/31/2021	Customer Chevron	Job Number EN82-00159
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
08/31/2021	03:26:31	326	6.5	13.60			
08/31/2021	03:28:36	330	6.5	13.59			
08/31/2021	03:30:41	338	6.5	13.60			
08/31/2021	03:32:46	314	6.5	13.54			
08/31/2021	03:34:51	468	6.1	13.52			
08/31/2021	03:36:56	93	4.3	13.48			
08/31/2021	03:39:01	130	4.3	13.51			
08/31/2021	03:41:06	213	4.4	13.61			
08/31/2021	03:42:28	101	4.4	13.66	End Lead Slurry		
08/31/2021	03:43:00	111	4.2	13.74	Reset Stage Vol; 164 bbls		
08/31/2021	03:43:11	201	4.2	13.73			
08/31/2021	03:45:16	101	3.6	13.71			
08/31/2021	03:47:21	-10	0.0	14.54			
08/31/2021	03:49:26	-9	0.0	14.55			
08/31/2021	03:50:00	73	2.3	14.93	Start Tail Slurry		
08/31/2021	03:51:00	95	3.0	15.08	1.25 ft3/sk 5.79 gal/sk		
08/31/2021	03:51:31	98	2.9	15.19			
08/31/2021	03:53:36	71	2.5	14.96			
08/31/2021	03:55:41	121	3.4	14.96			
08/31/2021	03:56:37	118	3.4	14.95	End Tail Slurry		
08/31/2021	03:57:00	-1	0.0	15.09	Reset Stage Vol; 23 bbls		
08/31/2021	03:57:46	-2	0.0	15.09			
08/31/2021	03:59:51	-1	0.0	15.08			
08/31/2021	04:00:00	0	0.0	15.08	Drop Top Plug		
08/31/2021	04:01:31	57	0.7	14.92	Start Displacement		
08/31/2021	04:01:56	19	1.6	11.99			
08/31/2021	04:04:01	101	4.2	9.68			
08/31/2021	04:06:06	84	4.3	8.58			
08/31/2021	04:08:11	178	6.2	8.51			
08/31/2021	04:10:16	257	6.1	8.41			
08/31/2021	04:12:21	321	8.4	8.39			
08/31/2021	04:14:26	438	8.3	8.42			
08/31/2021	04:16:31	413	6.4	8.41			
08/31/2021	04:18:36	479	6.4	8.42			
08/31/2021	04:20:41	581	6.4	8.42			
08/31/2021	04:22:46	611	4.5	8.41			
08/31/2021	04:24:51	600	4.5	8.41			
08/31/2021	04:26:56	589	2.2	8.41			
08/31/2021	04:28:39	572	2.2	8.41	FLP 600 psi		
08/31/2021	04:29:01	1116	0.2	8.41			
08/31/2021	04:29:05	1116	0.0	8.41	Bump Top Plug 1000 psi		
08/31/2021	04:30:00	1097	0.0	8.42	Reset Stage Vol; 144 bbls		
08/31/2021	04:31:00	1096	0.0	8.42	24 bbls of Lead To Surface		
08/31/2021	04:31:06	1097	0.0	8.41			
08/31/2021	04:33:11	1099	0.0	8.42			
08/31/2021	04:35:16	1101	0.0	8.42			
08/31/2021	04:37:21	1102	0.0	8.42			
08/31/2021	04:39:26	1105	0.0	8.42			
08/31/2021	04:41:31	1105	0.0	8.42			
08/31/2021	04:43:36	1104	0.0	8.42			
08/31/2021	04:45:41	-3	0.0	8.42			
08/31/2021	04:47:46	-8	0.0	8.42			
08/31/2021	04:48:00	-7	0.0	8.42	Floats Held less than a bbl back		
08/31/2021	04:49:51	-8	0.0	8.42			

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08/31/2021	04:54:01	55	3.7		8.41		
08/31/2021	04:56:06	55	3.7		8.42		
08/31/2021	04:58:11	-4	0.0		8.41		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.8	N2	Mud	Maximum Rate 9.1		Total Slurry 187.0	Mud 0.0	Spacer 30.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 1374	Final 387	Average 387	Bump Plug to 1000	Breakdown	Type FreshWater	Volume 144.0 bbl		Density 8.34 lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 144.0 bbl	Mix Water Temp 78 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 24.0 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"/>					
						-	-					

Well Rampart A33-790
Field Weld County
Engineer Marco Arrington
Country United States

Client Chevron
SIR No. EN82-00159
Job Type Surface
Job Date 08-31-2021

