

Cementing Service Report

				Customer Chevron			Job Number EN82-00163			
Well Rampart A32-730 A32-730			Location (legal) SESE Sec 20 T6N, R64W			Schlumberger Location			Job Start Sep/02/2021	
Field Weld County		Formation Name/Type Dirty-Sandstone		Deviation deg		Bit Size 13.5 in		Well MD 1970.0 ft		Well TVD 1970.0 ft
County Weld		State/Province Colorado		BHP psi		BHST 120 degF		BHCT 90 degF		Pore Press. Gradient lb/gal
Well Master 0066328824		API/UWI 05-123-50929-00-00								
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	A-52A	8RD
						1959.6	9.6	36.0	J-55	8RD
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 Cem Surface Casing								
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
Service Instructions Pressure Test Lines 1500 psi Pump 30 bbls of Freshwater 8.34 ppg 5 bpm Pump 164 bbls of Class C 13.5 ppg 5 bpm 1.68ft3/sk 8.93 gal/sk 547 sks Pump 19 bbls of Neat Class C 5bpm 1.25 ft3/sk 5.79 gal/sk 103 sks Drop Top Plug Rig Pumps To Displace Displace 148 bbls of Freshwater 8.34 ppg 5 bpm FLP 300 psi Bump Top Plug to 1165 psi 20 bbls of Lead to Surface										
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools			Squeeze Job	
Lift Pressure 300 psi						Shoe Type Float			Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1959.6 ft			Tool Type	
No. Centralizers 17		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 Sep/02/2021 11:00		Arrived on Location Sep/02/2021 11:00		Leave Location Sep/02/2021 04:00		Collar Type Float			Tail Pipe Depth ft	
						Collar Depth 1913.0 ft			Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Message		
09/02/2021	14:10:44	0		0.0		8.41		Started Acquisition		
09/02/2021	14:12:49	0		0.0		8.41				
09/02/2021	14:14:54	1		0.0		8.41				
09/02/2021	14:16:59	0		0.0		8.41				
09/02/2021	14:19:04	1		0.0		8.41				
09/02/2021	14:21:09	0		0.0		8.41				
09/02/2021	14:23:14	0		0.0		8.41				
09/02/2021	14:25:19	0		0.0		8.41				
09/02/2021	14:27:24	0		0.0		8.41				
09/02/2021	14:29:29	0		0.0		8.41				
09/02/2021	14:31:34	0		0.0		8.41				
09/02/2021	14:33:39	0		0.0		8.41				
09/02/2021	14:35:44	-0		0.0		8.41				
09/02/2021	14:37:49	0		0.0		8.41				
09/02/2021	14:39:54	0		0.0		8.41				
09/02/2021	14:41:59	1		0.0		8.41				
09/02/2021	14:44:04	0		0.0		8.40				
09/02/2021	14:46:09	1		0.0		8.41				
09/02/2021	14:48:14	0		0.0		8.41				
09/02/2021	14:51:57	233		5.2		8.40		Pressure Test Lines		
09/02/2021	14:52:24	489		8.3		8.40				

Well Rampart A32-730 A32-730			Field Weld County		Job Start Sep/02/2021	Customer Chevron	Job Number EN82-00163
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
09/02/2021	14:56:34	850	0.0	8.41			
09/02/2021	14:58:39	11	0.0	8.41			
09/02/2021	14:59:00	59	2.1	8.41	Start Pumping Water		
09/02/2021	15:00:44	300	6.4	8.41			
09/02/2021	15:01:47	298	6.4	8.41	End Pumping Water		
09/02/2021	15:02:16	583	6.5	13.63	Start Mixing Lead Slurry		
09/02/2021	15:02:26	577	6.5	13.65	13.5 ppg Lead Slurry		
09/02/2021	15:02:49	559	6.5	13.56			
09/02/2021	15:02:50	568	6.5	13.56	1.68 ft3/sk 8.93 gal/sk		
09/02/2021	15:04:54	588	6.5	13.54			
09/02/2021	15:06:59	562	6.5	13.49			
09/02/2021	15:09:04	556	6.5	13.54			
09/02/2021	15:11:09	574	6.5	13.50			
09/02/2021	15:13:14	566	6.5	13.55			
09/02/2021	15:15:19	568	6.5	13.55			
09/02/2021	15:17:24	323	5.0	13.56			
09/02/2021	15:21:06	327	4.6	13.53	94lb/sk 547 sks		
09/02/2021	15:21:34	599	6.5	13.54			
09/02/2021	15:23:39	601	6.5	13.64			
09/02/2021	15:25:44	326	4.6	13.73			
09/02/2021	15:27:49	304	4.6	13.60			
09/02/2021	15:29:54	309	4.6	13.62			
09/02/2021	15:30:05	306	4.6	14.07	End Lead Slurry		
09/02/2021	15:30:15	320	4.6	14.50	Reset Total, Vol = 164.47 bbl		
09/02/2021	15:30:40	349	4.6	14.60	Start Mixing Tail Slurry		
09/02/2021	15:30:49	196	3.4	14.51	15.2 ppg Tail Slurry		
09/02/2021	15:30:55	178	3.3	14.45	1.25 ft3/sk 5.79 gal/sk		
09/02/2021	15:31:59	100	2.3	13.85			
09/02/2021	15:34:04	10	0.0	13.69			
09/02/2021	15:36:09	109	2.2	14.90			
09/02/2021	15:38:14	108	2.1	15.03			
09/02/2021	15:40:19	112	2.3	15.04			
09/02/2021	15:40:36	49	1.8	15.02	End Tail Slurry		
09/02/2021	15:41:00	9	0.0	15.49	Reset Stage Vol; 19 bbls		
09/02/2021	15:42:00	11	0.0	15.06	Drop Top Plug		
09/02/2021	15:42:24	12	0.0	15.77			
09/02/2021	15:43:00	12	0.0	11.21	Rig Pumps To Displace		
09/02/2021	15:44:29	13	0.0	10.95			
09/02/2021	15:46:34	32	0.0	9.52			
09/02/2021	15:48:39	16	0.0	9.64			
09/02/2021	15:50:44	40	0.2	9.76			
09/02/2021	15:52:49	58	2.4	9.85			
09/02/2021	15:54:54	69	2.9	8.48			
09/02/2021	15:56:59	7	1.0	8.44			
09/02/2021	15:59:04	53	2.7	8.40			
09/02/2021	16:01:09	46	2.9	8.40			
09/02/2021	16:03:14	67	0.0	8.40			
09/02/2021	16:05:19	-1	0.0	8.41			
09/02/2021	16:07:24	1	0.0	8.41			
09/02/2021	16:09:29	-5	0.0	8.41			
09/02/2021	16:11:34	-4	0.0	8.41			
09/02/2021	16:12:39	-5	0.0	8.41	Total Displacement 158 bbls		
09/02/2021	16:13:39	-5	0.0	8.41			
09/02/2021	16:14:39	-5	0.0	8.41	Rig Bump Top Plug To 1,165 psi		

Well		Field		Job Start	Customer	Job Number
Rampart A32-730 A32-730		Weld County		Sep/02/2021	Chevron	EN82-00163
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message	
09/02/2021	16:15:44	-5	0.0	8.41		
09/02/2021	16:16:00	-4	0.0	8.41	FCP 350 2 BPM	
09/02/2021	16:17:49	-4	0.0	8.41		
09/02/2021	16:19:54	-5	0.0	8.41		
09/02/2021	16:21:59	-4	0.0	8.41		
09/02/2021	16:24:04	-4	0.0	8.41		
09/02/2021	16:26:09	-4	0.0	8.41		
09/02/2021	16:28:14	-4	0.0	8.41		
09/02/2021	16:30:19	-5	0.0	8.41		
09/02/2021	16:32:24	-5	0.0	8.41		
09/02/2021	16:34:29	-5	0.0	8.41		
09/02/2021	16:36:34	-5	0.0	8.41		
09/02/2021	16:38:39	58	3.2	8.41		
09/02/2021	16:40:44	59	3.2	8.41		
09/02/2021	16:42:49	-2	0.0	8.41		
09/02/2021	16:44:54	-0	0.0	8.41		
09/02/2021	16:46:59	735	5.5	8.41		
09/02/2021	16:49:04	70	1.0	8.40		
09/02/2021	16:51:09	-1	0.0	8.41		
09/02/2021	16:53:14	-2	0.0	8.40		
09/02/2021	16:55:19	-1	0.0	8.41		
09/02/2021	16:57:24	-1	0.0	8.41		
09/02/2021	16:59:29	-1	0.0	8.41		
09/02/2021	17:01:34	-1	0.0	8.41		
09/02/2021	17:03:39	-1	0.0	8.41		
09/02/2021	17:05:44	-1	0.0	8.40		
09/02/2021	17:07:49	-1	0.0	8.41		
09/02/2021	17:09:54	-2	0.0	8.41		
09/02/2021	17:11:59	-1	0.0	8.40		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 4.4	N2	Mud	Maximum Rate 8.3		Total Slurry 183.0	Mud 0.0	Spacer 30.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 995	Final -1	Average 216	Bump Plug to 1165	Breakdown	Type FreshWater	Volume 145.0 bbl	Density 8.34 lb/gal			
Avg. N2 Percent %	Designed Slurry Volume 189.0 bbl		Displacement 168.0 bbl	Mix Water Temp 81 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 20.0 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 A32-730
Field Weld County
Engineer Marco Arrington
Country United States

Client Chevron
SIR No. EN82-00163
Job Type Cem Surface Casing
Job Date 09-1-2021

