

Well Quarter Circle 24-9HZ
Field Wattenberg
Engineer Cameron McNutt
Country United States

Client Anadarko
SIR No. E0ZP-00285
Job Type Production
Job Date 06-16-2018



Cementing Service Report

				Customer Anadarko				Job Number EOZP-00285					
Well Quarter Circle 24-9HZ			Location (legal)			Schlumberger Location Cheyenne			Job Start Jun/16/2018				
Field Wattenberg		Formation Name/Type			Deviation 90 deg		Bit Size 8.5 in		Well MD 17529.0 ft		Well TVD 7294.0 ft		
County		State/Province CO			BHP psi		BHST 228 degF		BHCT 228 degF		Pore Press. Gradient lb/gal		
Well Master 0631754246		API/UWI											
Rig Name P461		Drilled For Oil & Gas		Service Via Land		Casing/ Liner							
						Depth, ft		Size, in		Weight, lb/ft		Grade	
						1886.0		9.6		36.0		J55	
Offshore Zone		Well Class New		Well Type Development		17529.0		5.5		17.0		P110	
Drilling Fluid Type OBM		Max. Density 9.30 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe							
						T/D		Depth, ft		Size, in		Weight, lb/ft	
Service Line Cementing		Job Type Production											
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Double Cement head		Perforations/Open Hole							
						Top, ft		Bottom, ft		shot/ft		No. of Shots	
						ft		ft					
						ft		ft					
						ft		ft					
						Treat Down Casing		Displacement 406.0 bbl		Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 406.5 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 Float				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 17529.0 ft				Tool Type			
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type				Tool Depth ft			
Cement Head Type Double						Stage Tool Depth ft				Tail Pipe Size in			
Job Scheduled For Jun/15/2018 20:30		Arrived on Location Jun/15/2018 20:30		Leave Location Jun/16/2018 08:00		Collar Type Float				Tail Pipe Depth ft			
						Collar Depth 17492.0 ft				Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message							
06/16/2018	02:02:39	213	0.0	7.43	0.0	Started Acquisition							
06/16/2018	02:05:00	211	0.0	8.44	0.0	Start Job							
06/16/2018	02:07:08	211	0.0	8.37	0.0	Finish Rig Up, Safety Meeting							
06/16/2018	02:10:18	210	0.0	8.40	0.0	Check water/sensors							
06/16/2018	02:10:28	210	0.0	8.40	0.0	Start water ahead to fill lines							
06/16/2018	02:24:15	5514	0.0	8.44	9.8	Pressure Test Lines							
06/16/2018	02:26:46	11	0.0	8.43	9.8	Start Spacer Downhole							
06/16/2018	02:45:55	-8	0.0	11.01	0.0	End Spacer (Vol = 80 bbl)							
06/16/2018	02:46:25	-8	0.0	11.01	0.0	Drop Bottom Plug							
06/16/2018	02:48:15	12	0.7	10.84	0.0	Start Lead Cement Downhole @ 12.0 ppg							
06/16/2018	02:54:02	558	6.3	11.31	31.8	Take Wet/dry sample							
06/16/2018	03:07:50	482	6.4	11.75	118.9	Switch Silos							
06/16/2018	03:18:18	69	2.4	11.38	167.9	Bulk delivery stopped, troubleshoot							
06/16/2018	03:29:10	-11	0.0	11.54	168.9	Start Downhole again							
06/16/2018	03:43:20	2	0.7	12.04	243.8	End Lead Cement (Vol = 243 bbl)							
06/16/2018	03:43:27	4	0.8	11.73	243.9	Start Mixing Tail Cement @ 13.5 ppg							
06/16/2018	03:46:02	-4	0.0	11.68	0.1	Start Downhole with Tail Cement							
06/16/2018	04:20:46	-3	0.0	13.62	221.0	Fix Leak							
06/16/2018	04:53:03	-1	0.0	13.90	401.8	End Tail Cement (Vol = 402 bbl)							
06/16/2018	04:58:23	29	2.5	8.80	8.6	Wash up pump, flush lines							
06/16/2018	05:06:39	-5	0.0	8.42	24.8	Drop Top Plug / Start Displacement							

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Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/16/2018	06:05:01	2817	0.0	8.41	409.6	Bump Plug / End Displacement (Vol = 406 bbl)			
06/16/2018	06:22:24	3167	0.0	8.42	409.6	End Test			
06/16/2018	06:22:35	3203	0.0	8.41	409.6	Increase pressure to shear wet shoe			
06/16/2018	06:24:37	2669	1.8	8.41	410.9	Pump 3 bbl			
06/16/2018	06:24:40	2341	1.8	8.41	411.0	Sheared at 4260 psi			
06/16/2018	06:27:37	-15	0.0	8.41	413.8	Bleed off, check floats (2.5 bbl back)			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 5.9	N2	Mud	Maximum Rate 11.3	Total Slurry 645.0	Mud 0.0	Spacer 60.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 5565	Final -15	Average 1086	Bump Plug to 2900	Breakdown	Type	Volume bbl	Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 638.4 bbl	Displacement 406.0 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			Schlumberger Supervisor Cameron McNutt			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>				
						-	-				