

				Customer NOBLE			Job Number E7RM-00172				
Well CAMOLO RED D 27-4			Location (legal) 217304			Schlumberger Location Cheyenne			Job Start Apr/15/2019		
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 431.0 ft		Well TVD 431.0 ft
County WELD		State/Province Colorado			BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal
Well Master 64773645		API/UWI 512317006									
Rig Name		Drilled For Oil & Gas		Service Via Land		Casing/Liner					
						Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone		Well Class Old		Well Type Other		610.0	8.6	24.0	N/A	N/A	
						0.0	0.0	0.0			
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 plug			T	431.0	2.4	4.7	N/A	N/A	
						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		Surface Plug = 172.7 sks 1.17 fl3/sk 5.122 gps = 36 bbls									
est loc surface											
spacer 5 bbls											
CMT 36 bbls @ 15.8 ppg											
		Treat Down Tubing	Displacement 0.0 bbl		Packer Type		Packer Depth ft				
		Tubing Vol. 1.7 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 Apr/15/2019		Arrived on Location Apr/15/2019		Leave Location Apr/15/2019		Collar Type		Tail Pipe Depth ft			
						Collar Depth ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume B/M	Pressure PSI	Message					
04/15/2019	11:13:13	0.0	8.02	0.0	0	Started Acquisition					
04/15/2019	11:13:15	0.0	8.02	0.0	5	JSA Signed					
04/15/2019	11:13:16	0.0	8.02	0.0	0	Water Test Complete					
04/15/2019	11:13:19	0.0	8.02	0.0	5	Start Job					
04/15/2019	11:17:04	0.0	8.03	0.0	-27	Kick out @ 350 psi					
04/15/2019	11:18:14	0.0	8.02	2.2	37						
04/15/2019	11:20:32	0.0	15.78	0.0	-41	Reset Total, Vol = 5.08 bbl					
04/15/2019	11:22:59	0.0	15.43	2.2	46	Start Cement Slurry					
04/15/2019	11:23:15	0.0	15.78	2.2	46						
04/15/2019	11:28:16	0.0	15.70	2.2	110						
04/15/2019	11:33:17	0.0	15.69	2.2	179						
04/15/2019	11:38:18	0.0	16.38	0.0	-41						

Well CAMOLO RED D 27-4	Field DJ	Job Start Apr/15/2019	Customer NOBLE	Job Number E7RM-00172
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Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 3.4	N2	Mud	Maximum Rate 4.7	Total Slurry 36.4	Mud 0.0	Spacer 5.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 371	Final 16	Average 137	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 36.0 bbl	Displacement 0.0 bbl	Mix Water Temp 55 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	Washed Thru Perfs <input type="checkbox"/>	To ft
Customer or Authorized Representative ERIC		Schlumberger Supervisor Wayne Silvester		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
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Cementing Service Report

				Customer Noble			Job Number E7RM-00165					
Well Camolo Red D 27-4			Location (legal) CWY			Schlumberger Location Cheyenne			Job Start Apr/12/2019			
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 911.0 ft		Well TVD 911.0 ft	
County Weld		State/Province Colorado			BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal	
Well Master 631314136		API/UWI										
Rig Name Ranger 31		Drilled For Oil and Gas		Service Via Land		Casing/Liner						
						Depth, ft		Size, in		Weight, lb/ft		
										Grade		
										Thread		
Offshore Zone		Well Class Old		Well Type Other		0.0		0.0				
						0.0		0.0				
Drilling Fluid Type Other		Max. Density 8.40 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe						
						T/D		Depth, ft		Size, in		
										Weight, lb/ft		
										Grade		
										Thread		
Service Line Cementing		Job Type P & A Stub Plug			T		911.0		2.1		3.3	
							0.0		0.0		n/a	
											n/a	
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
												Diameter in
						Treat Down Tubing		Displacement 1.0 bbl		Packer Type		Packer Depth ft
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl		Openhole Vol. bbl
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input 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 Apr/12/2019		Arrived on Location Apr/12/2019		Leave Location Apr/12/2019		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		Message					
04/12/2019	13:22:29	0		0.0	8.47		Started Acquisition					
04/12/2019	13:24:33	2220		0.0	8.35		Pressure Test Lines					
04/12/2019	13:25:10	55		0.0	8.35		Reset Total, Vol = 0.00 bbl					
04/12/2019	13:29:34	14		0.4	8.34		End Wash					
04/12/2019	13:29:39	5		0.0	8.11		Reset Total, Vol = 9.98 bbl					
04/12/2019	13:34:14	14		0.0	16.02		Reset Total, Vol = 0.00 bbl					
04/12/2019	13:34:17	14		0.0	16.02		Start Cement Slurry					
04/12/2019	13:54:36	73		1.0	15.33		End Cement Slurry					
04/12/2019	13:54:38	69		1.0	15.21		Reset Total, Vol = 42.39 bbl					
04/12/2019	13:54:41	64		1.0	13.78		Start Displacement					
04/12/2019	13:56:00	-9		0.0	8.38		End Displacement					

Well Camolo Red D 27-4	Field DJ	Job Start Apr/12/2019	Customer Noble	Job Number E7RM-00165
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 1.5	N2	Mud	Maximum Rate 2.2	Total Slurry 44.2	Mud 0.0	Spacer 10.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2229	Final -14	Average 145	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 1.0 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl			
				Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative Eric Peterson			Schlumberger Supervisor Richard White		Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>		



Cementing Service Report

				Customer Noble				Job Number E7RM-00162																							
Well Camolo Red D 27-4				Location (legal) CWY				Schlumberger Location Cheyenne				Job Start Apr/09/2019																			
Field DJ				Formation Name/Type				Deviation deg				Bit Size in				Well MD 1710.0 ft				Well TVD 1710.0 ft											
County Weld				State/Province Colorado				BHP psi				BHST 90 degF				BHCT 80 degF				Pore Press. Gradient lb/gal											
Well Master 1234				API/UWI																											
Rig Name Ranger 31				Drilled For Oil & Gas				Service Via Land				Casing/Liner																			
								Depth, ft				Size, in				Weight, lb/ft				Grade				Thread							
Offshore Zone				Well Class Old				Well Type Other				1710.0				3.5				7.7				n/a				n/a			
								0.0				0.0				0.0															
Drilling Fluid Type Other				Max. Density 8.40 lb/gal				Plastic Viscosity cP				Tubing/Drill Pipe																			
								T/D				Depth, ft				Size, in				Weight, lb/ft				Grade				Thread			
Service Line Cementing				Job Type P & A Sqz				T				1442.0				2.1				0.0				n/a				n/a			
												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			
Service Instructions Sqz- 25 bbl cmt@15.8ppg 1.17y 120sks 5.12 gps Inside Casing Est. TOC @ 1224 ft Annu. Est. TOC @ 1402 5 bbl cewash 5 bbl water 25 bbl cmt @ 15.8ppg 2 bbl Disp. Balance cmt ontop of retainer with 1 bbl water												1410.0 ft				1710.0 ft												300.0 ft			
												0.0 ft				0.0 ft												Diameter			
												0.0 ft				0.0 ft												in			
								Treat Down Tubing				Displacement 2.0 bbl				Packer Type				Packer Depth ft											
								Tubing Vol. 4.4 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 Apr/09/2019				Arrived on Location Apr/09/2019				Leave Location Apr/09/2019				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	Message																										
04/09/2019	16:11:22	0	0.0	0.00	Started Acquisition																										
04/09/2019	16:21:54	0	0.0	0.00	Pressure Test Lines																										
04/09/2019	16:22:56	0	0.0	0.00	Start Pumping Wash																										
04/09/2019	16:30:00	0	0.0	0.00	End Wash																										
04/09/2019	16:34:00	0	0.0	0.00	Start Cement Slurry																										
04/09/2019	16:45:00	0	0.0	0.00	End Cement Slurry																										
04/09/2019	16:45:02	0	0.0	0.00	Start Displacement																										
04/09/2019	16:46:03	0	0.0	0.00	End Displacement																										

Post Job Summary

Average Pump Rates, bbl/min						Volume of Fluid Injected, bbl									
Slurry 1.7		N2		Mud		Maximum Rate 6.7		Total Slurry 43.9		Mud 0.0		Spacer 0.0		N2	
Treating Pressure Summary, psi						Breakdown Fluid									
Maximum 2192		Final -3		Average 385		Bump Plug to		Breakdown		Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 0.0 bbl		Mix Water Temp degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		To ft			
								Washed Thru Perfs <input type="checkbox"/>							
Customer or Authorized Representative Eric Peterson				Schlumberger Supervisor Richard White				Circulation Lost <input type="checkbox"/>				Job Completed <input type="checkbox"/>			
								-				-			