

				Customer NOBLE			Job Number E7RM-00105												
Well CAMOLO RED D 27 -05			Location (legal) 217304			Schlumberger Location Cheyenne			Job Start Mar/20/2019										
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 701.0 ft		Well TVD 701.0 ft								
County WELD		State/Province Colorado			BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal								
Well Master 631806817		API/UWI 512317007																	
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		701.0		3.5		7.7		N/A		N/A					
						690.0		8.6		24.0		N/A		N/A					
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 STUB PLUG				T		701.0		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 Stub Plug = 250 sks 1.17 ft3/sk 5.133 gps = 52 bbls Est Toc = Surface Spacer 5 bbls CMT 52 bbls @ 15.8 ppg Displace 0						ft		ft						Diameter in					
						ft		ft						in					
						Treat Down Tubing		Displacement 0.0 bbl		Packer Type		Packer Depth ft							
						Tubing Vol. 2.0 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 Mar/20/2019				Arrived on Location Mar/20/2019				Leave Location Mar/20/2019				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							
03/20/2019		09:38:45		0.0		0.01		0.0		36		Started Acquisition							
03/20/2019		09:38:46		0.0		0.01		0.0		36		Remark							
03/20/2019		09:38:49		0.0		0.01		0.0		36		Start Job							
03/20/2019		09:38:52		0.0		1.56		0.0		36		Start Pumping Spacer							
03/20/2019		09:43:22		0.0		8.05		0.0		150		kICK oUT 350							
03/20/2019		09:43:46		0.0		8.04		0.0		123									
03/20/2019		09:44:04		0.0		8.04		0.0		2439		Pressure Test Lines							
03/20/2019		09:48:47		0.0		16.08		0.0		81									
03/20/2019		09:51:01		0.0		15.83		1.0		81		End Spacer							
03/20/2019		09:51:19		0.0		15.94		1.0		86		Reset Total, Vol = 5.00 bbl							
03/20/2019		09:51:20		0.0		15.98		1.0		86		Start Cement Slurry							
03/20/2019		09:51:21		0.0		16.00		1.0		86		Remark							
03/20/2019		09:53:48		0.0		15.10		2.2		159									
03/20/2019		09:58:49		0.0		15.63		2.2		246									
03/20/2019		10:03:50		0.0		15.46		0.6		100									
03/20/2019		10:08:51		0.0		15.71		2.2		388									
03/20/2019		10:13:52		0.0		15.79		2.2		77									
03/20/2019		10:18:53		0.0		9.76		0.0		114									
03/20/2019		10:19:07		0.0		9.74		0.0		114		End Cement Slurry							
03/20/2019		10:19:09		0.0		9.73		0.0		114		Reset Total, Vol = 53.01 bbl							
03/20/2019		10:19:23		0.0		9.73		0.0		114		End Job							

Well CAMOLO RED D 27 -05	Field DJ	Job Start Mar/20/2019	Customer NOBLE	Job Number E7RM-00105
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 1.8	N2	Mud	Maximum Rate 2.8	Total Slurry 52.0	Mud 0.0	Spacer 10.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2453	Final 104	Average 218	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 52.0 bbl	Displacement 0.0 bbl	Mix Water Temp 50 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 type="checkbox"/>		
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				Customer Noble			Job Number E7RM-00103				
Well Camolo Red D 27-05			Location (legal)			Schlumberger Location			Job Start Mar/19/2019		
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 0631806817		API/UWI 0512317007									
Rig Name Ranger 31		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 Plug				T	952.0	2.1	7.7	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	
						ft	ft			Diameter in	
						ft	ft				
						Treat Down Tubing		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		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type		Shoe Depth ft		Squeeze Type Tool Type	
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type		Stage Tool Depth ft		Tool Depth ft	
Cement Head Type										Tail Pipe Size in	
Job Scheduled For Mar/19/2019		Arrived on Location Mar/19/2019		Leave Location Mar/19/2019		Collar Type		Collar Depth ft		Tail Pipe Depth ft Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
03/19/2019	11:53:16	0	0.0	8.40	0.0	Started Acquisition					
03/19/2019	11:53:17	0	0.0	8.40	0.0	Rig Up					
03/19/2019	12:05:01	229	2.2	8.38	9.8	Start Pumping Water					
03/19/2019	12:05:03	247	2.2	8.38	9.9	5 bbl Water					
03/19/2019	12:08:47	23	0.0	8.38	17.9	End Water					
03/19/2019	12:11:05	2847	0.0	8.38	18.0	Pressure Test Lines					
03/19/2019	12:11:07	2847	0.0	8.38	18.0	Test Trips					
03/19/2019	12:15:20	247	2.2	8.38	21.2	Start Pumping Wash					
03/19/2019	12:15:21	238	2.2	8.38	21.3	10 bbl Chem Wash					
03/19/2019	12:18:03	18	0.0	8.41	27.0	End Wash					
03/19/2019	12:20:55	101	0.0	15.82	27.0	Start Cement Slurry					
03/19/2019	12:20:56	96	0.0	15.82	27.0	Wet and Dry Samples					
03/19/2019	12:20:57	101	0.0	15.82	27.0	Good Returns					
03/19/2019	12:20:58	101	0.0	15.82	27.0	Bottom Plug @ 952'					
03/19/2019	12:38:11	215	2.2	15.18	64.3	End Cement Slurry					
03/19/2019	12:38:13	220	2.2	14.91	64.4	Start Displacement					
03/19/2019	12:38:14	233	2.2	14.38	64.4	2 bbl Water					
03/19/2019	12:39:04	-18	0.0	8.38	66.1	End Displacement					

Well Camolo Red D 27-05	Field DJ	Job Start Mar/19/2019	Customer Noble	Job Number E7RM-00103
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.1	N2	Mud	Maximum Rate 4.1	Total Slurry 36.5	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2856	Final 0	Average 209	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 36.5 bbl	Displacement 2.0 bbl	Mix Water Temp 54 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 Matt Leiker		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
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				Customer Noble			Job Number E7RM-00091					
Well Camolo Red D 27-05			Location (legal)			Schlumberger Location			Job Start Mar/16/2019			
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 0512317007										
Rig Name Ranger 31		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 Sqz					T	1616.0	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		
						ft	ft			Diameter in		
						ft	ft					
						Treat Down Tubing		Displacement 2.5 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 Mar/16/2019		Arrived on Location Mar/16/2019		Leave Location Mar/16/2019		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	Volume BBL	Message						
03/16/2019	10:55:51	4	0.0	2.39	0.0	Started Acquisition						
03/16/2019	10:55:52	4	0.0	2.38	0.0	Hold Safety Meeting						
03/16/2019	10:58:56	-1	0.0	8.36	0.0	Start Pumping Water						
03/16/2019	11:00:10	31	0.0	8.38	0.0	Good Returns						
03/16/2019	11:02:37	4	0.0	8.38	4.0	End Water						
03/16/2019	11:03:09	851	0.0	8.38	4.0	Pressure Test Lines						
03/16/2019	11:03:12	851	0.0	8.38	4.0	Test = Good						
03/16/2019	11:04:21	2608	0.0	8.38	4.0	Test to 2500 psi						
03/16/2019	11:04:27	2604	0.0	8.38	4.0	Test = Good						
03/16/2019	11:06:37	49	0.0	8.38	4.0	Start Pumping Wash						
03/16/2019	11:07:22	553	2.2	8.38	4.8	10 bbl Chem Wash						
03/16/2019	11:07:23	544	2.2	8.38	4.8	Good Returns						
03/16/2019	11:11:12	77	0.0	8.13	13.1	End Wash						
03/16/2019	11:16:35	91	0.0	15.78	13.1	Start Cement Slurry						
03/16/2019	11:16:36	91	0.0	15.78	13.1	Wet and Dry Samples						
03/16/2019	11:16:37	91	0.0	15.78	13.1	Good Returns						
03/16/2019	11:16:38	91	0.0	15.78	13.1	Mix Water @ 5.104 gal/sk						
03/16/2019	11:27:02	68	0.0	10.19	13.2	End Cement Slurry						
03/16/2019	11:27:04	68	0.0	9.96	13.2	Start Displacement						
03/16/2019	11:27:06	63	0.0	9.79	13.2	2.5 bbl Water						

Well Camolo Red D 27-05	Field DJ	Job Start Mar/16/2019	Customer Noble	Job Number E7RM-00091
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.0	N2	Mud	Maximum Rate 2.3	Total Slurry 18.0	Mud 0.0	Spacer 15.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2622	Final 0	Average 427	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 18.0 bbl	Displacement 2.5 bbl	Mix Water Temp 53 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 Matt Leiker		Circulation Lost -	<input type="checkbox"/>	Job Completed -	<input checked="" type="checkbox"/>