

				Customer Noble			Job Number DYWB-00007					
Well Foss 42-23			Location (legal) CWY			Schlumberger Location Cheyenne			Job Start Jan/31/2018			
Field DJ		Formation Name/Type			Deviation deg		Bit Size In		Well MD 1770.0 ft		Well TVD 1770.0 ft	
County Weld		State/Province Colorado			BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal	
Well Master		API/UWI										
Rig Name Bohler 6		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								
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 Shallow Plug			T		1770.0		2.4		4.7	
							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
												Diameter in
						Treat Down Tubing		Displacement 3.0 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 Jan/31/2018		Arrived on Location Jan/31/2018		Leave Location Jan/31/2018		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 NULL	Message						
01/31/2018	13:14:26	-120	0.0	8.32	10	Started Acquisition						
01/31/2018	13:16:26	-120	0.0	8.32	10							
01/31/2018	13:17:07	-120	0.0	8.32	10	Start Water Ahead						
01/31/2018	13:18:26	-106	0.0	8.31	10							
01/31/2018	13:18:45	2737	0.0	8.31	11	End Water Ahead, Vol = 1.60 bbl						
01/31/2018	13:18:55	2700	0.0	8.31	5	Pressure Test Lines						
01/31/2018	13:19:45	-88	0.0	8.31	11	Pump Chem Wash						
01/31/2018	13:20:26	255	3.0	8.33	5							
01/31/2018	13:22:26	219	3.1	8.31	5							
01/31/2018	13:24:26	228	3.1	8.31	5							
01/31/2018	13:26:26	-83	2.3	8.30	11	Reset Total, Vol = 20.01 bbl						
01/31/2018	13:28:26	-120	0.0	8.29	10							
01/31/2018	13:30:26	-125	8.7	15.81	10							
01/31/2018	13:30:49	-120	0.0	15.79	12	Reset Total, Vol = 0.02 bbl						
01/31/2018	13:30:50	-120	0.0	15.79	12	Start Cement Slurry						
01/31/2018	13:32:26	68	3.1	15.70	5							
01/31/2018	13:34:26	17	3.1	15.88	5							
01/31/2018	13:36:26	31	3.1	15.88	5							
01/31/2018	13:38:26	72	3.0	15.81	5							
01/31/2018	13:40:26	109	3.0	15.87	5							
01/31/2018	13:42:26	173	3.0	15.88	5							

Well		Field		Job Start		Customer		Job Number	
Foss 42-23		DJ		Jan/31/2018		Noble		DYWB-00007	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume NULL	Message			
01/31/2018	13:46:26	251	3.0	15.85	5				
01/31/2018	13:48:26	333	3.1	15.86	5				
01/31/2018	13:48:59	306	3.1	15.84	11	End Cement Slurry			
01/31/2018	13:49:00	329	3.1	15.84	12	Reset Total, Vol = 54.79 bbl			
01/31/2018	13:49:01	333	3.1	15.78	12	Start Displacement			
01/31/2018	13:50:01	-125	2.9	8.37	11	End Displacement			
01/31/2018	13:50:02	-134	1.4	8.37	12	Reset Total, Vol = 3.00 bbl			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3.1			8.7	79.5	0.0	0.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2741	-125	254				bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume
%	0.0 bbl		0.0 bbl	80 degF	<input type="checkbox"/>		bbl
Customer or Authorized Representative				Schlumberger Supervisor		Washed Thru Perfs	
CJ Smith				Richard White		<input type="checkbox"/>	
				Circulation Lost		Job Completed	
				-		<input type="checkbox"/>	

				Customer Noble			Job Number DPJJ-00031									
Well Foss 42-23			Location (Legal) CWY			Schlumberger Location Cheyenne			Job Start Feb/01/2018							
Field DJ		Formation Name/Type			Deviation deg		Bit Size In		Well MD 1013.0 ft		Well TVD 1013.0 ft					
County Weld		State/Province Colorado			BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal					
Well Master ---		API/UWI														
Rig Name Bohler 6		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												
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					T		1013.0		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		
						ft		ft						Diameter In		
						ft		ft								
						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		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type				Squeeze Type						
No. Centralizers		Top Plugs		Bottom Plugs		Shoe Depth ft				Tool Type						
Cement Head Type						Stage Tool Type				Tool Depth ft						
Job Scheduled For Feb/01/2018		Arrived on Location Feb/01/2018		Leave Location Feb/01/2018		Stage Tool Depth ft				Tail Pipe Size In						
						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 NULL	Message										
02/01/2018	09:57:05	-129	0.0	8.33	10	Started Acquisition										
02/01/2018	09:57:06	-125	0.0	8.33	10	Start Pumping Wash										
02/01/2018	09:59:05	-125	0.0	8.33	10											
02/01/2018	10:01:05	-106	0.0	8.32	10											
02/01/2018	10:02:26	2737	0.0	8.32	10	Pressure Test Lines										
02/01/2018	10:03:05	-106	0.0	8.32	10											
02/01/2018	10:05:05	-42	1.9	8.33	5											
02/01/2018	10:07:05	91	2.7	8.32	5											
02/01/2018	10:09:05	91	2.8	8.32	5											
02/01/2018	10:10:33	-79	2.1	8.32	5	End Wash										
02/01/2018	10:10:34	-83	1.3	8.32	11	Reset Total, Vol = 20.07 bbl										
02/01/2018	10:11:05	-111	0.0	8.32	10											
02/01/2018	10:13:05	-134	8.6	14.30	10											
02/01/2018	10:14:08	-125	0.0	15.75	12	Reset Total, Vol = 0.02 bbl										
02/01/2018	10:14:09	-125	0.0	15.75	12	Start Cement Slurry										
02/01/2018	10:15:05	13	2.6	15.65	5											
02/01/2018	10:17:05	-24	2.6	15.75	5											
02/01/2018	10:19:05	-28	2.6	15.75	5											
02/01/2018	10:21:05	-24	2.6	15.75	5											
02/01/2018	10:23:05	-19	2.5	15.94	5											
02/01/2018	10:25:05	31	2.5	15.91	5											

Well		Field		Job Start		Customer		Job Number	
Foss 42-23		DJ		Feb/01/2018		Noble		DPJJ-00031	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume NULL	Message			
02/01/2018	10:29:05	8	2.4	16.02	5				
02/01/2018	10:29:17	-28	2.3	15.56	11	End Cement Slurry			
02/01/2018	10:29:18	-33	2.2	14.74	12	Reset Total, Vol = 37.84 bbl			
02/01/2018	10:29:19	-38	2.2	13.95	12	Start Displacement			
02/01/2018	10:29:47	-129	2.3	8.52	5	End Displacement			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.6			8.9	37.5	0.0	20.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2787	-125	211				bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	
%	0.0 bbl		1.0 bbl	80 degF	<input type="checkbox"/>	bbl	
Customer or Authorized Representative			Schlumberger Supervisor		Washed Thru Perfs	To	
CJ Smith			Richard White		<input type="checkbox"/>	ft	
					Circulation Lost	Job Completed	
					<input type="checkbox"/>	<input type="checkbox"/>	

				Customer Noble			Job Number DYWB-00009				
Well Foss 42-23			Location (legal) CWY			Schlumberger Location Cheyenne			Job Start Feb/02/2018		
Field DJ		Formation Name/Type			Deviation deg		Bit Size In		Well MD 479.0 ft		Well TVD 479.0 ft
County Weld		State/Province Colorado			BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal
Well Master 630774047		API/UWI									
Rig Name Bohler 6		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		479.0	8.6	24.0	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 Surface Plug				T	479.0	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/ water and cmt checked and verified Plug from 479 ft to surface 5 bbl water 31 bbl cmt@15.8ppg 1.17cuft/sk 149 sks 5.068 gal/sk 1 bbl to top out well @15.8ppg 1.17cuft/sk 5 sks 5.068gal/sk Total sks used 155						ft	ft			Diameter In	
						ft	ft				
						Treat Down Tubing	Displacement 0.0 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 Feb/02/2018		Arrived on Location Feb/02/2018		Leave Location Feb/02/2018		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 NULL	Message					
02/02/2018	08:49:28	-147	0.0	8.36	10	Started Acquisition					
02/02/2018	08:49:31	-147	0.0	8.36	10	Start Pumping Water					
02/02/2018	08:51:28	-102	1.0	8.36	5						
02/02/2018	08:53:28	-125	0.0	8.35	5						
02/02/2018	08:55:28	-83	1.7	8.35	5						
02/02/2018	08:55:33	-152	1.0	8.35	5	End Water					
02/02/2018	08:55:34	-157	0.6	8.35	11	Reset Total, Vol = 5.12 bbl					
02/02/2018	08:57:28	1546	0.0	8.35	10						
02/02/2018	08:57:53	434	0.0	8.35	10	Pressure Test Lines					
02/02/2018	08:59:28	-143	0.0	8.35	10						
02/02/2018	09:01:28	-138	0.2	8.45	10						
02/02/2018	09:03:28	-147	8.6	10.11	10						
02/02/2018	09:05:28	-147	9.7	12.25	10						
02/02/2018	09:07:28	-143	9.2	15.69	10						
02/02/2018	09:07:52	-138	0.0	15.68	12	Reset Total, Vol = 0.01 bbl					
02/02/2018	09:07:53	-143	0.0	15.68	12	Start Cement Slurry					
02/02/2018	09:09:28	-51	2.5	15.98	5						
02/02/2018	09:11:28	-51	2.6	15.96	5						
02/02/2018	09:13:28	-47	2.4	15.78	5						
02/02/2018	09:15:28	-56	2.0	15.51	5						
02/02/2018	09:17:28	-47	2.0	15.98	5						

Well		Field		Job Start		Customer		Job Number	
Foss 42-23		DJ		Feb/02/2018		Noble		DYWB-00009	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume NULL	Message			
02/02/2018	09:21:28	-38	1.5	15.60	5				
02/02/2018	09:22:40	-42	1.3	15.37	5	End Cement Slurry			
02/02/2018	09:23:28	-147	0.0	15.57	5				
02/02/2018	09:25:28	-138	0.0	15.67	10				
02/02/2018	09:27:28	-129	0.0	15.68	10				
02/02/2018	09:29:28	-134	0.0	15.66	10				
02/02/2018	10:03:28	-129	0.0	15.93	10				

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3.3			9.8	37.3	0.0	0.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2389	-125	609				bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surfaces?	Volume	
%	0.0 bbl		0.0 bbl	degF	<input type="checkbox"/>	bbl	
					Washed Thru Perfs	To	
					<input type="checkbox"/>	ft	
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed	
CJ Smith			Richard White		<input type="checkbox"/>	<input type="checkbox"/>	
					-	-	