

				Customer Noble Energy		Job Number DYWB-00024	
Well DPG F 1-24			Location (legal)		Schlumberger Location Cheyenne		Job Start May/18/2018
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD 779.0 ft	Well TVD 779.0 ft
County Weld		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master		API/UWI					
Rlg Name		Drilled For Gas	Service Via Land	Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone		Well Class Old	Well Type Workover	516.0	8.6	24.0	J55
				0.0	0.0	0.0	8rd
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing		Job Type Surface Plug		T	779.0	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
Service Instructions 326 sks 1.16ft3/sk 6.35 gps 61 bbls @ 15.8 ppg 15 bbls CW 61 bbls CMT @ 15.8 ppg 295 sks 6.5 bbls CMT @ 15.8 ppg 31 sks TOP OUT				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
				Treat Down Tubing	Displacement 0.0 bbl	Packer Type	Packer Depth ft
				Tubing Vol. 3.0 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 May/18/2018		Arrived on Location May/18/2018	Leave Location May/18/2018	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 BBL	Message	
05/18/2018	11:56:26	49	0.0	8.37	0.0	JSA Complete	
05/18/2018	11:56:27	49	0.0	8.35	0.0	Start Pumping Wash	
05/18/2018	11:58:13	2553	0.0	8.22	1.1	Pressure Test Lines	
05/18/2018	12:01:27	361	4.2	8.22	11.3		
05/18/2018	12:06:24	27	0.0	15.03	13.7	End Wash	
05/18/2018	12:06:28	27	0.0	15.27	13.7	Reset Total, Vol = 13.75 bbl	
05/18/2018	12:06:43	27	0.0	16.09	13.7	Start Cement Slurry	
05/18/2018	12:11:29	457	3.8	15.77	30.5		
05/18/2018	12:16:30	580	4.0	15.55	50.3		
05/18/2018	12:21:31	320	3.0	15.59	70.1		
05/18/2018	12:24:08	40	0.0	15.30	74.7	End Cement Slurry	
05/18/2018	12:24:46	40	0.0	15.29	74.7	Reset Total, Vol = 60.96 bbl	
05/18/2018	13:07:15	40	0.0	11.88	74.7	top out well 6.5 bbls	
05/18/2018	13:11:41	36	0.0	11.61	74.7		
05/18/2018	13:16:42	36	0.0	15.92	74.7		
05/18/2018	13:21:43	36	0.0	16.07	74.7		
05/18/2018	13:26:44	36	0.0	16.23	74.7		
05/18/2018	13:31:45	36	0.0	16.58	74.7		
05/18/2018	13:36:46	36	0.0	16.23	74.7		

Well DPG F 1-24	Field DJ	Job Start May/18/2018	Customer Noble Energy	Job Number DYWB-00024
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### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.6	N2	Mud	Maximum Rate 4.2	Total Slurry 67.5	Mud 0.0	Spacer 15.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2553	Final 72	Average 146	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 67.5 bbl	Displacement 0.0 bbl	Mix Water Temp 64 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl			
				Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative CJ Smith			Schlumberger Supervisor R Pippin		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
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Well			Field	Job Start	Customer	Job Number
DPG F 1-24			DJ	May/17/2018	Noble Energy	DYWB-00023
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
05/17/2018	13:44:01	168	3.0	10.39	44.8	Start Cement Slurry
05/17/2018	13:44:02	164	3.0	10.15	44.9	End Cement Slurry
05/17/2018	13:44:03	164	3.0	9.94	44.9	Reset Total, Vol = 5.26 bbl
05/17/2018	13:44:04	159	3.0	9.76	45.0	Start Displacement
05/17/2018	13:44:35	77	3.0	7.46	46.3	
05/17/2018	13:46:45	27	1.4	8.08	51.8	End Displacement

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl					
Slurry 2.7	N2	Mud	Maximum Rate 3.8	Total Slurry 10.6	Mud 0.0	Spacer 10.0	N2		
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum 55841	Final 22	Average 283	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal		
Avg. N2 Percent %	Designed Slurry Volume 10.6 bbl		Displacement 32.0 bbl	Mix Water Temp 68 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl			
					Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative CJ Smith			Schlumberger Supervisor R Pippin			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
						-	-		