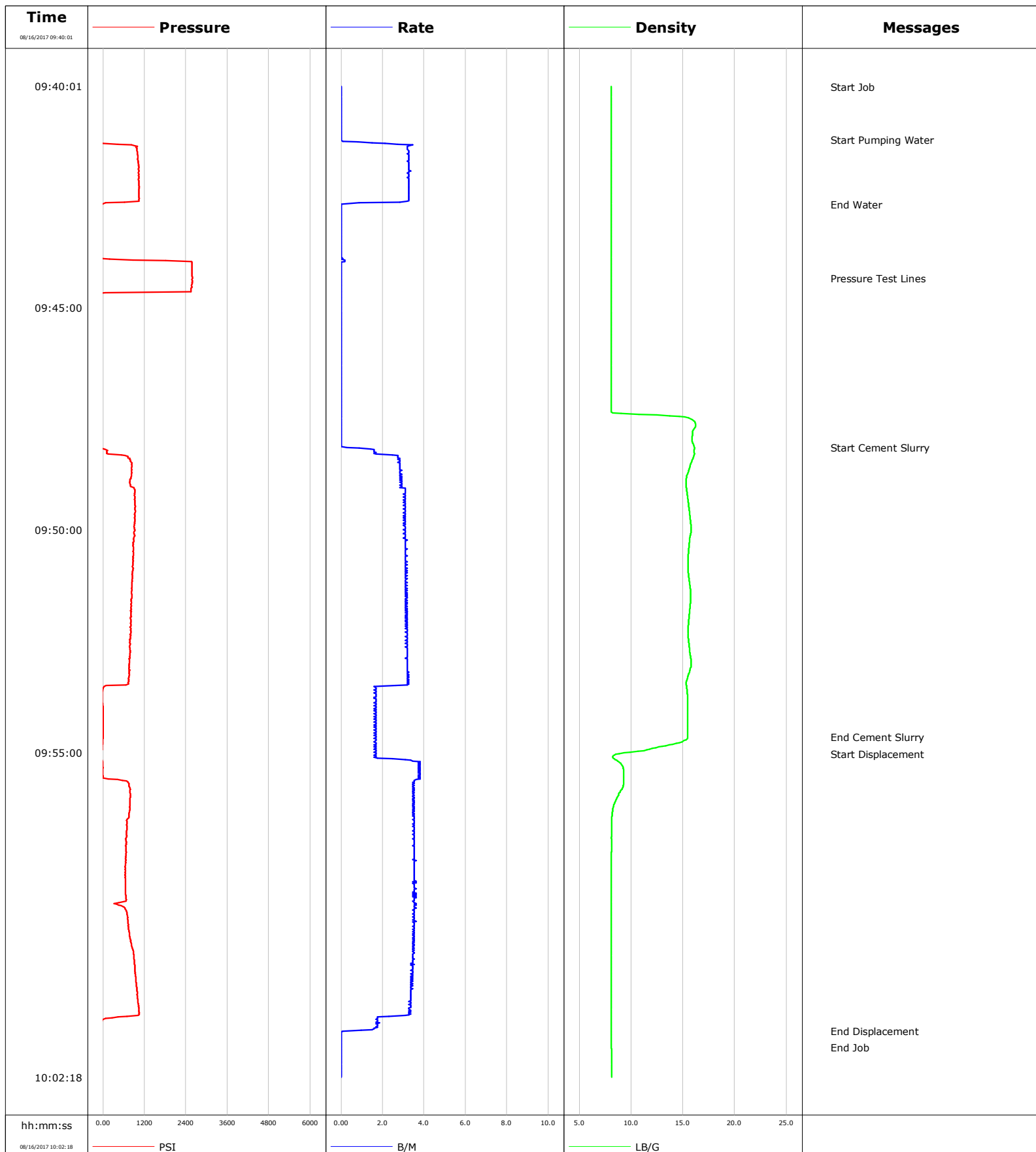


Well Moser 9-4
Field DJ
Engineer Robert Pippin
Country United States

Client Anadarko
SIR No. DA6T-01421
Job Type Nio Plug
Job Date 08-16-2017



Cementing Service Report

				Customer Anadarko		Job Number DA6T-01421	
Well Moser 9-4			Location (legal)		Schlumberger Location Cheyenne		Job Start Aug/16/2017
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD 7550.0 ft	Well TVD 7550.0 ft
County Weld		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master		API/UWI					
Rig Name Concord 10	Drilled For Oil & Gas	Service Via Land		Casing/ Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone	Well Class Old	Well Type Workover		7550.0	4.5	11.6	N80
				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
Service Line Cementing	Job Type Nio Plug						
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
				Treat Down Tubing	Displacement 21.2 bbl	Packer Type	Packer Depth ft
				Tubing Vol. 29.2 bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. bbl
Service Instructions 75 sks 1.53ft3/sk 6.35 gps 20.4 bbls @ 15.8 ppg EST TOC 6235 FT							
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 Aug/16/2017		Arrived on Location Aug/16/2017		Leave Location Aug/16/2017		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	
08/16/2017	09:40:01	-83	0.0	8.11	0.0		
08/16/2017	09:40:02	-83	0.0	8.11	0.0	Start Job	
08/16/2017	09:40:31	-79	0.0	8.11	0.0		
08/16/2017	09:41:01	-97	0.0	8.10	0.0		
08/16/2017	09:41:14	-97	0.0	8.10	0.0	Start Pumping Water	
08/16/2017	09:41:31	992	3.3	8.09	0.7		
08/16/2017	09:42:01	1038	3.3	8.10	2.3		
08/16/2017	09:42:31	1047	3.3	8.09	4.0		
08/16/2017	09:42:41	-15	0.0	8.09	4.4	End Water	
08/16/2017	09:43:01	-102	0.0	8.10	4.4		
08/16/2017	09:43:31	-102	0.0	8.10	4.4		
08/16/2017	09:44:01	2581	0.0	8.10	4.4		
08/16/2017	09:44:20	2585	0.0	8.10	4.4	Pressure Test Lines	
08/16/2017	09:44:31	2567	0.0	8.10	4.4		
08/16/2017	09:45:01	-120	0.0	8.09	4.4		
08/16/2017	09:45:31	-120	0.0	8.10	4.4		
08/16/2017	09:46:01	-120	0.0	8.09	4.4		
08/16/2017	09:46:31	-120	0.0	8.09	4.4		
08/16/2017	09:47:01	-120	0.0	8.10	4.4		
08/16/2017	09:47:31	-115	0.0	15.82	4.4		
08/16/2017	09:48:01	-83	0.0	15.91	4.4		

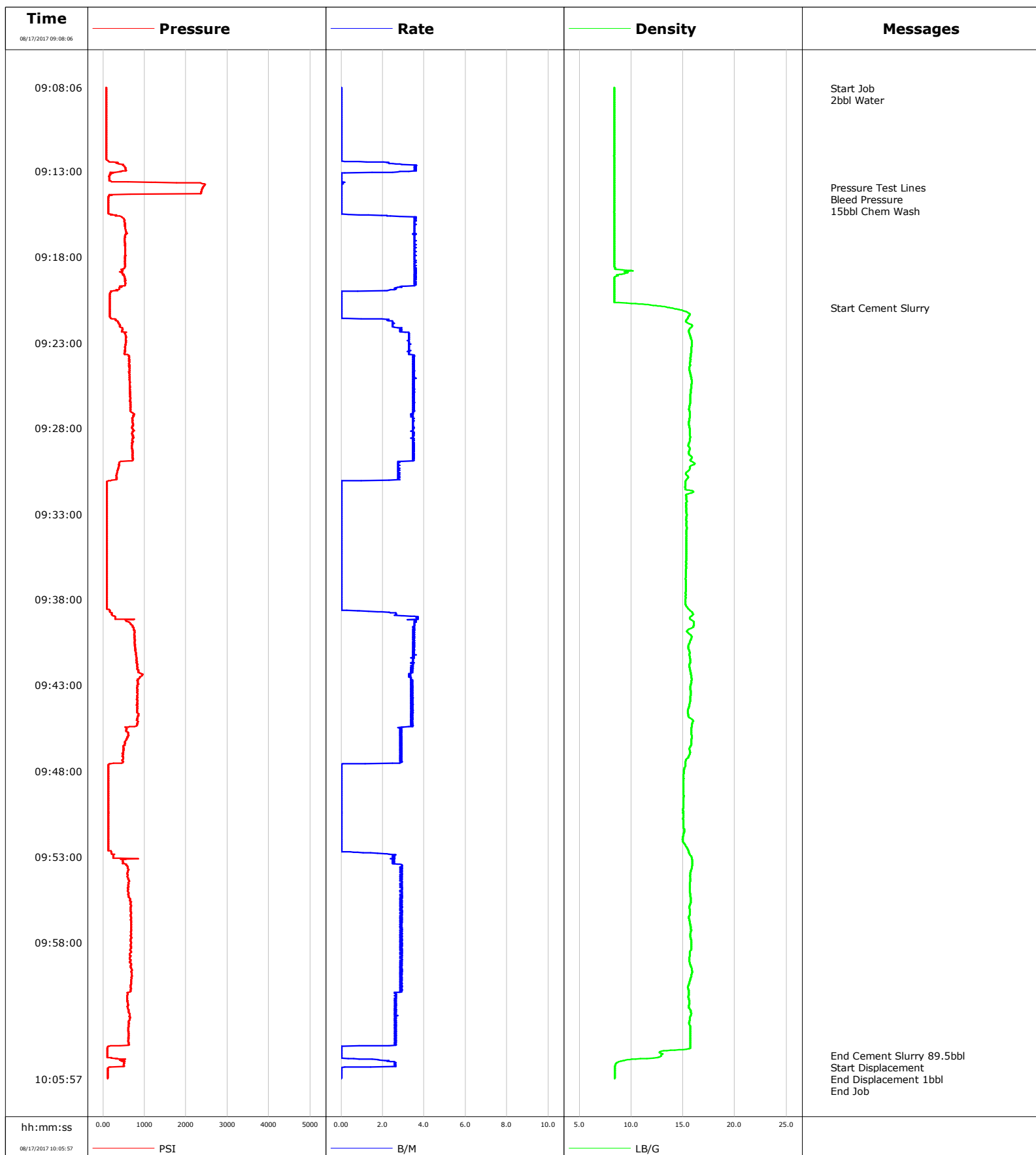
Well			Field		Job Start		Customer		Job Number	
Moser 9-4			DJ		Aug/16/2017		Anadarko		DA6T-01421	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
08/16/2017	09:48:31	837	2.8	15.76	5.2					
08/16/2017	09:49:01	796	2.9	15.32	6.6					
08/16/2017	09:49:31	933	3.1	15.59	8.2					
08/16/2017	09:50:01	919	3.1	15.79	9.7					
08/16/2017	09:50:31	878	3.1	15.54	11.2					
08/16/2017	09:51:01	860	3.1	15.55	12.8					
08/16/2017	09:51:31	846	3.2	15.75	14.4					
08/16/2017	09:52:01	805	3.2	15.57	15.9					
08/16/2017	09:52:31	786	3.2	15.56	17.5					
08/16/2017	09:53:01	750	3.2	15.81	19.1					
08/16/2017	09:53:31	36	1.6	15.36	20.7					
08/16/2017	09:54:01	4	1.6	15.45	21.5					
08/16/2017	09:54:31	4	1.7	15.45	22.4					
08/16/2017	09:54:39	4	1.7	15.45	22.6	End Cement Slurry				
08/16/2017	09:55:01	-42	1.7	9.31	23.2					
08/16/2017	09:55:03	-47	1.7	8.52	23.2	Start Displacement				
08/16/2017	09:55:31	-1	3.7	9.30	24.8					
08/16/2017	09:56:01	791	3.5	8.66	26.5					
08/16/2017	09:56:31	699	3.5	8.12	28.3					
08/16/2017	09:57:01	677	3.5	8.12	30.0					
08/16/2017	09:57:31	654	3.5	8.08	31.8					
08/16/2017	09:58:01	658	3.5	8.08	33.6					
08/16/2017	09:58:31	640	3.5	8.09	35.4					
08/16/2017	09:59:01	754	3.5	8.10	37.1					
08/16/2017	09:59:31	883	3.5	8.11	38.9					
08/16/2017	10:00:01	942	3.5	8.11	40.6					
08/16/2017	10:00:31	997	3.4	8.10	42.3					
08/16/2017	10:01:01	-15	1.8	8.10	43.8					
08/16/2017	10:01:16	-51	0.1	8.10	44.2	End Displacement				
08/16/2017	10:01:31	-125	0.0	8.10	44.2					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.0	N2	Mud	Maximum Rate 3.8		Total Slurry 20.4	Mud 0.0	Spacer 21.5	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2590	Final -102	Average 854	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 20.4 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 Brandon Tracy			Schlumberger Supervisor Robert Pippin			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	

Well Moser
Field DJ
Engineer Chris Valerio
Country United States

Client Anadarko
SIR No. DA6T-01422
Job Type Stub Plug
Job Date 08-17-2017



Cementing Service Report

				Customer Anadarko			Job Number DA6T-01422		
Well Moser 9-4			Location (legal)		Schlumberger Location			Job Start Aug/17/2017	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in		Well MD 1410.0 ft		
County Weld		State/Province Colorado		BHP psi	BHST 90 degF		BHCT 80 degF		
Well Master 0630652418		API/UWI 512325597						Pore Press. Gradient lb/gal	
Rig Name Brigade #10	Drilled For N/A	Service Via Land	Casing/ Liner						
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class Old	Well Type Workover	719.0	8.6	24.0	J55	8RD		
			1410.0	4.5	11.6	M80	8RD		
Drilling Fluid Type Other		Max. Density 8.30 lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe					
				T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	
Service Line Cementing	Job Type Stub Plug			T	1410.0	2.4	4.7	J55	
					0.0	0.0	0.0	8RD	
Max. Allowed Tub. Press 1000 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		
			ft	ft			Diameter		
			ft	ft			in		
			Treat Down Tubing	Displacement 1.0 bbl	Packer Type	Packer Depth ft			
			Tubing Vol. 5.4 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 Aug/17/2017 08:30		Arrived on Location Aug/17/2017 08:30		Leave Location Aug/17/2017 10:30		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			
08/17/2017	09:08:06	77	0.0	8.35	0.0	Started Acquisition			
08/17/2017	09:08:08	77	0.0	8.35	0.0	Start Job			
08/17/2017	09:08:13	81	0.0	8.35	0.0	2bbl Water			
08/17/2017	09:13:06	255	0.2	8.36	2.0				
08/17/2017	09:13:57	2407	0.0	8.36	2.0	Pressure Test Lines			
08/17/2017	09:14:23	146	0.0	8.35	2.0	Bleed Pressure			
08/17/2017	09:14:44	127	0.0	8.35	2.0	15bbl Chem Wash			
08/17/2017	09:18:06	526	3.5	8.37	10.9				
08/17/2017	09:21:00	159	0.0	13.98	17.4	Start Cement Slurry			
08/17/2017	09:23:06	548	3.4	15.84	21.7				
08/17/2017	09:28:06	732	3.5	15.65	39.0				
08/17/2017	09:33:06	86	0.0	15.36	48.4				
08/17/2017	09:38:06	91	0.0	15.23	48.4				
08/17/2017	09:43:06	818	3.5	15.68	63.5				
08/17/2017	09:48:06	123	0.0	15.07	77.6				
08/17/2017	09:53:06	429	2.6	15.84	78.4				
08/17/2017	09:58:06	672	2.9	15.77	92.8				
08/17/2017	10:03:06	608	2.6	15.69	106.7				
08/17/2017	10:04:35	104	0.0	12.88	109.1	End Cement Slurry 89.5bbl			
08/17/2017	10:04:45	196	0.0	12.17	109.1	Start Displacement			
08/17/2017	10:05:30	118	0.0	8.43	110.3	End Displacement 1bbl			

Well Moser 9-4	Field DJ	Job Start Aug/17/2017	Customer Anadarko	Job Number DA6T-01422
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 3.1	N2	Mud	Maximum Rate 3.7		Total Slurry 89.5	Mud 0.0	Spacer 17.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 948	Final 118	Average 445	Bump Plug to	Breakdown	Type		Volume bbl	Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 89.5 bbl		Displacement 1.0 bbl		Mix Water Temp 65 degF		Cement Circulated to Surface?	<input type="checkbox"/>	Volume bbl	
								Washed Thru Perfs		<input type="checkbox"/>	To ft
Customer or Authorized Representative Brandon Tracy				Schlumberger Supervisor Chris Valerio				Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-	