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SEP 13 2013

Cementing Service Report

REGULATORY DEPT
SANDRIDGE ENERGY

Customer Sandridge				Job Number 1845784			
Well micheal 3020 1-20		Location (legal)		Schlumberger Location		Job Start Sep/03/2013	
Field		Formation Name/Type		Deviation deg	Bit Size 12.3 in	Well MD 750.0 ft	Well TVD 750.0 ft
County kiowa		State/Province kansas		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master 0631483253		API/UWI		Casing/Liner			
Rig Name lamuymuyon drilling 1	Drilled For	Service Via	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class New	Well Type Development	750.0	9.6	36.0	j55	ltc
Drilling Fluid Type	Max. Density lb/gal	Plastic Viscosity cP	0.0	0.0	0.0		
Service Line Cementing	Job Type surface		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
Max. Allowed Tub. Press 3000 psi	Max. Allowed Ann. Press psi	WH Connection head					
Service Instructions cement 9 5/8 surface			Perforations/Open Hole	Top, ft	Bottom, ft	shot/ft	No. of Shots
				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
			Treat Down Casing	Displacement 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 300 psi			Shoe Type guide			Squeeze Type	
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft			Tool Type	
No. Centralizers	Top Plugs 1	Bottom Plugs	Stage Tool Type			Tool Depth ft	
Cement Head Type single			Stage Tool Depth ft			Tail Pipe Size in	
Job Scheduled For Sep/03/2013 20:00	Arrived on Location Sep/03/2013 20:00	Leave Location Sep/04/2013 04:00	Collar Type float			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	
09/04/2013	01:48:32	-5	0.0	8.43	0.0	Started Acquisition	
09/04/2013	01:49:52	54	2.2	8.43	0.0		
09/04/2013	01:49:54	54	2.2	8.43	0.0	Start Job	
09/04/2013	01:51:12	599	0.0	8.43	0.0		
09/04/2013	01:52:12	722	0.0	8.43	0.0	Pressure Test Lines	
09/04/2013	01:52:32	3458	0.0	8.43	0.0		
09/04/2013	01:53:52	4993	0.0	8.43	0.0		
09/04/2013	01:55:12	4535	0.0	8.43	0.0		
09/04/2013	01:56:32	4229	0.0	8.43	0.0		
09/04/2013	01:57:47	4354	0.0	8.43	0.0	Pressure Test Lines	
09/04/2013	01:57:52	4343	0.0	8.43	0.0		
09/04/2013	01:58:49	12	0.0	8.43	0.0	Reset Total, Vol = 1.92 bbl	
09/04/2013	01:58:50	12	0.0	8.43	0.0	Start Pumping Spacer	
09/04/2013	01:59:12	55	1.5	8.43	0.0		
09/04/2013	02:00:32	153	3.5	8.11	0.0		
09/04/2013	02:01:52	207	6.4	8.38	0.0		
09/04/2013	02:02:53	214	6.3	8.43	0.0	Reset Total, Vol = 20.38 bbl	
09/04/2013	02:02:55	218	6.3	8.43	0.0	End Spacer	
09/04/2013	02:03:12	219	7.0	8.60	0.0		
09/04/2013	02:04:32	286	6.1	13.41	0.0		
09/04/2013	02:05:52	275	6.3	12.47	0.0		

Well		Field		Job Start		Customer		Job Number	
micheal 3020 1-20				Sep/03/2013		Sandridge		1845784	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/04/2013	02:08:32	220	6.4	12.42	0.0				
09/04/2013	02:09:52	234	6.5	12.44	0.0				
09/04/2013	02:11:12	235	6.4	12.39	0.0				
09/04/2013	02:12:32	247	6.4	12.45	0.0				
09/04/2013	02:13:52	226	6.4	12.43	0.0				
09/04/2013	02:15:12	225	6.3	12.40	0.0				
09/04/2013	02:15:40	241	6.2	12.48	0.0	Reset Total, Vol = 82.09 bbl			
09/04/2013	02:15:44	244	6.2	12.43	0.0	End Lead Slurry			
09/04/2013	02:16:32	308	6.8	13.91	0.0				
09/04/2013	02:17:52	363	6.3	14.94	0.0				
09/04/2013	02:19:12	304	6.3	14.80	0.0				
09/04/2013	02:19:59	22	1.7	14.89	0.0	Reset Total, Vol = 27.53 bbl			
09/04/2013	02:20:03	20	0.3	14.91	0.0	End Tail Slurry			
09/04/2013	02:20:04	20	0.3	14.91	0.0	Drop Top Plug			
09/04/2013	02:20:32	13	0.0	14.96	0.0				
09/04/2013	02:21:52	17	0.6	14.72	0.0				
09/04/2013	02:23:12	113	4.6	9.34	0.0				
09/04/2013	02:24:32	120	4.6	8.62	0.0				
09/04/2013	02:25:52	114	4.6	8.48	0.0				
09/04/2013	02:27:12	125	4.5	8.45	0.0				
09/04/2013	02:28:32	162	4.5	8.44	0.0				
09/04/2013	02:29:52	225	4.5	8.44	0.0				
09/04/2013	02:31:12	225	4.5	8.44	0.0				
09/04/2013	02:32:32	185	2.8	8.44	0.0				
09/04/2013	02:33:52	192	2.0	8.44	0.0				
09/04/2013	02:35:12	225	2.0	8.44	0.0				
09/04/2013	02:36:32	206	2.0	8.44	0.0				
09/04/2013	02:37:25	1204	0.0	8.44	0.0	Bump Top Plug			
09/04/2013	02:37:30	1202	0.0	8.44	0.0	End Displacement			
09/04/2013	02:37:32	1202	0.0	8.44	0.0	Reset Total, Vol = 56.35 bbl			
09/04/2013	02:37:52	1196	0.0	8.44	0.0				
09/04/2013	02:39:12	1176	0.0	8.44	0.0				
09/04/2013	02:40:32	1158	0.0	8.44	0.0				
09/04/2013	02:41:52	898	0.0	8.44	0.0				
09/04/2013	02:43:12	-4	0.0	8.44	0.0				
09/04/2013	02:44:32	-5	0.0	8.44	0.0				
09/04/2013	02:45:52	-2	0.0	8.44	0.0				
09/04/2013	02:47:12	-3	0.0	2.23	0.0				
09/04/2013	02:48:32	127	5.7	7.67	0.0				
09/04/2013	02:49:52	16	0.0	8.22	0.0				
09/04/2013	02:51:12	4	0.0	8.17	0.0				
09/04/2013	02:52:11	-1	0.1	8.24	0.0	End Job			

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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry 106.0	Mud	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final 0	Average	Bump Plug to 800	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 106.0 bbl		Displacement 57.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 30.0 bbl	To ft	
Customer or Authorized Representative			Schlumberger Supervisor juan sapp		Washed Thru Perfs <input type="checkbox"/>	Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
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