



RECEIVED

SEP 3 2013

Cementing Service Report

REGULATORY DEPT
SANDRIDGE ENERGY

Customer Sandridge						Job Number 1018360																																									
Well College SW 3202 1-4						Location (legal) Summer						Schlumberger Location Job Start Aug/20/2013																																			
Field Osborn						Formation Name/Type						Deviation						Bit Size 12.3 in						Well MD 335.0 ft						Well TVD 335.0 ft																	
County Summer						State/Province Kansas						BHP						BHST 85 degF						BHCT 80 degF						Pore Press. Gradient																	
Well Master 0631486364						API/UWI 1519122700						Casing/Liner																																			
Rig Name Horizon 5						Drilled For Oil & Gas						Service Via Land						Depth, ft						Size, in						Weight, lb/ft						Grade						Thread					
Offshore Zone						Well Class New						Well Type Development						327.6						8.630						24.0						J55						8RD					
Drilling Fluid Type						Max. Density						Plastic Viscosity						Tubing/Drill Pipe																													
Service Line Cementing						Job Type Cem Surface Casing						Depth,						Size,						Weight,						Grade						Thread											
Max. Allowed Tub. Press 3500 psi						Max. Allowed Ann. Press						WH Connection Single Cement head						Perforations/Open Hole																													
Service Instructions Provide equipment, materials, services and personnel to safely cement 8 5/8" surface casing per customer request. Pump 10 bbl fresh water, 145 sks lead @ 12.40 ppg, 55 sks tail @ 14.80 ppg, drop top plug and displace per client specifications.						Top,						Bottom,						No. of Shots						Total Interval																							
																								Diameter																							
												Treat Down Casing						Displacement 17.9 bbl						Packer Type						Packer Depth																	
												Tubing Vol.						Casing Vol.						Annular Vol.						Openhole Vol.																	
Casing/Tubing Secured <input type="checkbox"/>						1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>						Casing Tools												Squeeze Job																							
Lift Pressure 500 psi						Shoe Type Guide						Shoe Depth 327.6 ft						Squeeze Type																													
Pipe Rotated <input type="checkbox"/>						Pipe Reciprocated <input type="checkbox"/>						Stage Tool Type						Tool Type																													
No. Centralizers 5						Top Plugs 1						Bottom Plugs 0						Stage Tool Depth						Tool Depth																							
Cement Head Type Single						Collar Type Float						Collar Depth 281.0 ft						Tail Pipe Size						Tail Pipe Depth																							
Job Scheduled For Aug/20/2013						Arrived on Location Aug/20/2013						Leave Location Aug/20/2013						Sqz. Total Vol.						Message																							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message																																									
08/20/2013	19:02:03	5	0.0	8.43	0.0																																										
08/20/2013	19:02:04					Start Job																																									
08/20/2013	19:02:04	5	0.0	8.43	0.0																																										
08/20/2013	19:02:05					Start Pumping Spacer																																									
08/20/2013	19:02:05	5	0.0	8.43	0.0																																										
08/20/2013	19:03:03	5	0.0	8.43	0.0																																										
08/20/2013	19:04:03	5	0.0	8.43	0.0																																										
08/20/2013	19:05:03	5	0.0	8.43	0.0																																										
08/20/2013	19:06:03	5	0.0	8.43	0.0																																										
08/20/2013	19:07:03	4	0.0	8.43	0.0																																										
08/20/2013	19:08:03	5	0.0	8.43	0.0																																										
08/20/2013	19:09:03	4	0.0	8.43	0.0																																										
08/20/2013	19:10:03	4	0.0	8.43	0.0																																										
08/20/2013	19:11:03	1	0.0	8.43	0.0																																										
08/20/2013	19:12:03	2	0.0	8.42	0.0																																										
08/20/2013	19:13:03	8	2.7	8.44	1.3																																										
08/20/2013	19:14:03	3	0.0	8.44	2.9																																										
08/20/2013	19:15:03	2590	0.0	8.44	3.0																																										
08/20/2013	19:15:30					Pressure Test Low 1000 PSI																																									
08/20/2013	19:15:30	2582	0.0	8.44	3.0																																										
08/20/2013	19:16:03	2869	0.0	8.44	3.0																																										

Well		Field		Job Start	Customer	Job Number
College SW 3202 1-4		Osborn		Aug/20/2013	Sandridge	1018360
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/20/2013	19:16:38	3552	0.0	8.44	3.0	
08/20/2013	19:17:03	2987	0.0	8.44	3.0	
08/20/2013	19:18:03	13	0.0	8.44	3.0	
08/20/2013	19:19:03	13	0.0	8.44	3.0	
08/20/2013	19:20:03	58	0.0	8.37	3.0	
08/20/2013	19:21:03	71	3.5	8.42	3.9	
08/20/2013	19:22:03	70	4.1	8.43	7.9	
08/20/2013	19:22:52					End Spacer
08/20/2013	19:22:52	72	4.1	9.53	11.3	
08/20/2013	19:22:54					Start Mixing Lead Slurry
08/20/2013	19:22:54	71	4.1	9.88	11.4	
08/20/2013	19:23:03	91	4.1	10.80	12.0	
08/20/2013	19:24:03	110	4.2	12.56	16.1	
08/20/2013	19:25:03	118	4.2	12.58	20.2	
08/20/2013	19:26:03	114	4.2	12.67	24.3	
08/20/2013	19:27:03	119	4.1	12.71	28.4	
08/20/2013	19:28:03	117	4.1	12.77	32.5	
08/20/2013	19:29:03	115	4.1	12.69	36.6	
08/20/2013	19:30:03	117	4.1	12.70	40.7	
08/20/2013	19:31:03	115	4.1	12.69	44.8	
08/20/2013	19:32:03	122	4.1	13.05	48.9	
08/20/2013	19:33:03	102	4.1	12.33	53.0	
08/20/2013	19:33:55					End Lead Slurry
08/20/2013	19:33:55					Start Mixing Tail Slurry
08/20/2013	19:33:55	90	3.4	12.41	56.3	
08/20/2013	19:34:03	96	3.1	13.08	56.8	
08/20/2013	19:35:03	162	3.7	15.19	60.3	
08/20/2013	19:36:03	148	3.9	14.77	64.1	
08/20/2013	19:37:03	108	2.9	14.52	67.4	
08/20/2013	19:38:00					End Tail Slurry
08/20/2013	19:38:00	51	2.8	14.66	70.1	
08/20/2013	19:38:01					Drop Top Plug
08/20/2013	19:38:01					Start Displacement
08/20/2013	19:38:01	18	2.3	14.65	70.2	
08/20/2013	19:38:03	5	1.0	14.66	70.2	
08/20/2013	19:39:03	11	0.0	14.31	70.3	
08/20/2013	19:40:03	11	0.0	11.86	70.3	
08/20/2013	19:41:03	11	0.0	10.10	70.3	
08/20/2013	19:42:03	82	3.2	8.47	71.5	
08/20/2013	19:43:03	23	2.7	8.44	74.5	
08/20/2013	19:44:03	29	2.6	8.44	77.1	
08/20/2013	19:45:03	47	2.6	8.44	79.7	
08/20/2013	19:46:03	56	2.6	8.44	82.3	
08/20/2013	19:47:03	78	2.7	8.44	84.9	
08/20/2013	19:48:03	99	2.6	8.44	87.5	
08/20/2013	19:49:03	1047	0.0	8.44	87.9	
08/20/2013	19:49:33					End Displacement
08/20/2013	19:49:33	1047	0.0	8.44	87.9	
08/20/2013	19:49:34					Bump Top Plug
08/20/2013	19:49:34	1047	0.0	8.44	87.9	
08/20/2013	19:49:35					Check Floats
08/20/2013	19:49:35	1047	0.0	8.44	87.9	
08/20/2013	19:50:03	1047	0.0	8.44	87.9	
08/20/2013	19:51:03	1045	0.0	8.44	87.9	

Well College SW 3202 1-4		Field Osborn		Job Start Aug/20/2013		Customer Sandridge		Job Number 1018360	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/20/2013	19:52:41					Floats Held			
08/20/2013	19:52:41	10	0.0	8.44	87.9				
08/20/2013	19:52:42					End Job			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.5	N2	Mud	Maximum Rate 4.0	Total Slurry 65.0	Mud	Spacer 10.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3550	Final 1046	Average 60	Bump Plug to 1046	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume	Displacement 17.9 bbl	Mix Water Temp	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 20.0 bbl		To	
				Washed Thru Perfs <input type="checkbox"/>			Job Completed <input checked="" type="checkbox"/>	
Customer or Authorized Representative Cody Davis			Schlumberger Supervisor Dustin Green		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		