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AUG 19 2013

Cementing Service Report

REGULATORY DEPT
SANDRIDGE ENERGY

Customer Sandridge				Job Number 1018358				
Well Bryant 3508 3-10H		Location (legal) Bryant		Schlumberger Location		Job Start Aug/04/2013		
Field Bryant		Formation Name/Type		Deviation		Bit Size 12.3 in	Well MD 785.0 ft	Well TVD 785.0 ft
County Bryant		State/Province Kansas		BHP	BHST 89 degF	BHCT 85 degF	Pore Press. Gradient	
Well Master 0631480046		API/UWI 15077219500100						
Rig Name Horizon 15	Drilled For Oil & Gas	Service Via Land		Casing/Liner				
				Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class New	Well Type Development		789.3	9.630	36.0	J55	8RD
				0.0	0.000	0.0		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing		Job Type Cem Surface Casing						
Max. Allowed Tub. Press 5000 psi		Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole				
				Top,	Bottom,	No. of Shots	Total Interval	
							Diameter	
Service Instructions Provide quality products and services to safely cement 800ft of 9-5/8" surface casing in a 12.25" OH with 150% excess per client request.				Treat Down Casing	Displacement 57.4 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 306 psi		Shoe Type	Guide	Shoe Depth 789.3 ft	Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>	Stage Tool Type	Tool Type				
No. Centralizers 0	Top Plugs 1	Bottom Plugs 0	Stage Tool Depth	Tail Pipe Size				
Cement Head Type Single		Collar Type	Float	Tail Pipe Depth				
Job Scheduled For Aug/04/2013	Arrived on Location Aug/04/2013	Leave Location Aug/04/2013	Collar Depth 742.3 ft	Sqz. Total Vol.				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
08/04/2013	09:54:30	-0	0.0	8.34	0.0			
08/04/2013	09:54:32					Start Job		
08/04/2013	09:54:32	0	0.0	8.34	0.0			
08/04/2013	09:54:33					Start Pumping Spacer		
08/04/2013	09:54:33	0	0.0	8.34	0.0			
08/04/2013	09:56:00	-0	0.0	8.34	0.0			
08/04/2013	09:57:30	86	3.1	8.31	1.9			
08/04/2013	09:59:00	1048	0.0	8.39	3.0			
08/04/2013	09:59:09					Pressure Test Low 1000 PSI		
08/04/2013	09:59:09	1036	0.0	8.39	3.0			
08/04/2013	10:00:30	3892	0.0	8.39	3.0			
08/04/2013	10:01:32					Pressure Test High 5000 PSI		
08/04/2013	10:01:32	4685	0.0	8.39	3.0			
08/04/2013	10:02:00	4432	0.0	8.39	3.0			
08/04/2013	10:03:30	92	3.4	8.38	4.1			
08/04/2013	10:05:00	175	5.3	8.37	12.0			
08/04/2013	10:06:10					End Spacer		
08/04/2013	10:06:10	128	4.4	9.03	15.2			
08/04/2013	10:06:13					Start Mixing Lead Slurry		
08/04/2013	10:06:13	140	4.4	9.02	15.4			
08/04/2013	10:06:30	191	5.2	10.20	16.9			

Well			Field	Job Start	Customer	Job Number
Bryant 3508 3-10H			Bryant	Aug/04/2013	Sandridge	1018358
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/04/2013	10:09:30	219	0.0	0.34	27.3	
08/04/2013	10:11:00	178	0.0	15.93	31.6	
08/04/2013	10:12:30	153	0.0	12.48	36.1	
08/04/2013	10:14:00	171	0.0	11.03	38.8	
08/04/2013	10:15:30	176	0.0	11.04	38.8	
08/04/2013	10:17:00	174	0.0	3.82	40.4	
08/04/2013	10:18:30	163	0.0	-0.02	41.3	
08/04/2013	10:20:00	180	5.1	12.53	47.0	
08/04/2013	10:21:30	189	5.1	12.45	54.4	
08/04/2013	10:23:00	183	0.0	14.38	58.7	
08/04/2013	10:24:30	150	0.0	11.24	60.8	
08/04/2013	10:25:29					End Lead Slurry
08/04/2013	10:25:29					Start Mixing Tail Slurry
08/04/2013	10:25:29	195	4.8	8.87	61.7	
08/04/2013	10:26:00	103	0.0	18.56	62.4	
08/04/2013	10:27:30	252	0.0	-0.02	64.8	
08/04/2013	10:29:00	219	0.0	4.17	64.8	
08/04/2013	10:30:30	198	4.7	13.14	69.9	
08/04/2013	10:32:00	237	0.0	4.82	70.2	
08/04/2013	10:33:30	107	3.2	14.69	74.3	
08/04/2013	10:35:00	114	3.5	14.50	79.3	
08/04/2013	10:35:06					End Tail Slurry
08/04/2013	10:35:06	111	3.5	14.50	79.6	
08/04/2013	10:35:07					Drop Top Plug
08/04/2013	10:35:07	114	3.5	14.49	79.7	
08/04/2013	10:35:08					Start Displacement
08/04/2013	10:35:08	27	3.4	14.49	79.7	
08/04/2013	10:36:30	8	0.0	14.03	80.0	
08/04/2013	10:38:00	9	0.0	10.76	80.0	
08/04/2013	10:39:30	58	3.4	9.33	81.8	
08/04/2013	10:41:00	199	5.5	8.63	87.8	
08/04/2013	10:42:30	268	5.5	8.31	96.0	
08/04/2013	10:44:00	227	5.3	8.38	104.1	
08/04/2013	10:45:30	251	4.7	8.38	110.4	
08/04/2013	10:47:00	226	6.1	8.38	119.2	
08/04/2013	10:48:30	263	2.9	8.38	123.9	
08/04/2013	10:50:00	311	2.9	8.38	128.2	
08/04/2013	10:51:30	277	2.9	8.38	132.5	
08/04/2013	10:53:00	303	2.9	8.38	136.8	
08/04/2013	10:53:58					Bump Top Plug
08/04/2013	10:53:58	1412	0.0	8.38	137.4	
08/04/2013	10:53:59					End Displacement
08/04/2013	10:53:59	1412	0.0	8.38	137.4	
08/04/2013	10:54:09					Check Floats
08/04/2013	10:54:09	1411	0.0	8.38	137.4	
08/04/2013	10:54:30	1410	0.0	8.38	137.4	
08/04/2013	10:56:00	1189	0.0	8.38	137.4	
08/04/2013	10:57:30	2	0.0	8.25	137.4	
08/04/2013	10:58:32					Floats Held
08/04/2013	10:58:32	2	0.0	0.97	138.9	
08/04/2013	10:58:33					End Job

Well Bryant 3508 3-10H	Field Bryant	Job Start Aug/04/2013	Customer Sandridge	Job Number 1018358
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.0	N2	Mud	Maximum Rate 6.0	Total Slurry 135.2	Mud	Spacer 10.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 5000	Final 1423	Average 300	Bump Plug to 1423	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume	Displacement 57.4 bbl	Mix Water Temp	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 40.0 bbl			
Customer or Authorized Representative Jesse New			Schlumberger Supervisor Dustin Green	Washed Thru Perfs <input type="checkbox"/>	To			
				Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>			
				-	-			



Service Order for i-District Job 1019377

Customer Name: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING O	Person Taking Call:	Location: El Reno, OK WS	Order Date: 02-Aug-13 14:45	Job Number: 1019377		
Service Order Number:	Service Line: Cementing El Reno	Supervisor:	Legal Location:			
Well Name and Number: BRYANT -3508-, 3-10H	Pad/Platform:	Field:	County: HARPER	State/Prov: KS		
Well Master Number: 0631480046	API/UWI: 15077219500100	Rig Name: HORIZON #15	Well Age: New	Sales Engineer: Meshall Thomas		
Job Type: Cementing El Reno – Intermediate	Time Well Ready:	Deviation: 90 deg	Hole Size: 8.75 in	Well MD: 5737 ft		
Well TVD: 4835 ft	BHP: 2677 psi	BHST: 137 °F	BHCT: 129 °F	Treat Down: Casing		
Packer Type:	Packer Depth:	Min/Max Densities: Lead: 13.1/14.1 ppg Tail: 15.1/16.1 ppg	HHP on Location:	Max Allowed Pressure: 5000 psi		
Max Allowed Ann Pressure:		Job Stage Description: 7" Intermediate	FTL Ticket/Quote Number : CDL7-00323			
Casing/Tubing			Service Instructions:			
String Type	Depth	Size	Weight	Grade	Thread	
Casing	5737 ft	7 in	26 lb/ft	P-110	LTC	
			Provide equipment, services and personnel to safely cement 7" intermediate 2 casing per client specifications. Pump 30 bbl gelled water, 250 sks 50:50 Poz:H lead @13.6ppg, 100 sks Class H tail @15.6ppg, drop top plug and displace per customer request.			
Client Contact						
Name	Voice	Fax	Email	Title	Company	Notes
Israel	281-617-4654					
Notes:						
TOC: 3539' -- volumes based on 8.75" OH + 40% XS						
Equipment: 7" HM and QC (8RD and BTC), top and bottom plugs, water hoses, air hoses, mud hoses and washup hoses (contingency), D047, B306 for gelled spacer, 1 Pump, 2 ABTs						
GET FIELD TICKET STAMPED.						
Directions:						
From Medford Okla go west on Hwy 11 24.0 miles turn north on CR-720 6.0 miles to stop sign continue north 6.9 miles turn north on Waldron rd 2.4 miles turn east on lease rd 0.2 miles into location						

Materials			
Name	Description	Quantity	Density
GELLED WATER	30 bbl gelled water	30.00 bbl	9.00 lb/gal
LEAD SLURRY	250 sks 50:50 Poz:H @ 13.60 ppg	362.50 ft3	13.60 lb/gal
TAIL SLURRY	100 sks Class H @ 15.60 ppg	119.00 ft3	15.60 lb/gal

Fluid Systems:

GELLED WATER				
30 bbl gelled water				
<i>Volume:</i>		30.00 bbl	<i>Final Fluid Density:</i> 9.00 lb/gal	
Code	Conc	Design	Total	Load out with excess
B306	0.200 gal/bbl	BVOWashVO	6.00 gal	6.00 gal

LEAD SLURRY				
250 sks 50:50 Poz:H @ 13.60 ppg				
<i>Sacks Of:</i>		Cement	<i>Total Blend/Cem:</i> 21,000.00 lb	
<i>Sack Weight:</i>		84.00 lb	<i>Sacks Blend/Cem:</i> 250.00 sks	
<i>Yield:</i>		1.45 ft3/sk	<i>Final Fluid Density:</i> 13.60 lb/gal	
<i>Mix Water:</i>		6.88 gal/sk	<i>Base Fluid Den:</i>	
Code	Conc	Design	Total	Load out with excess
D909	47.000 lb/sk	WTSK	11,750.00 lb	11,750.00 lb
D035	37.000 lb/sk	WTSK	9,250.00 lb	9,250.00 lb
D020	4.000 %	BWOB	840.00 lb	840.00 lb
D112	0.600 %	BWOB	126.00 lb	126.00 lb
D065	0.100 %	BWOB	21.00 lb	21.00 lb
D042	2.000 lb/sk	WTSK	500.00 lb	500.00 lb
D079	0.200 %	BWOB	42.00 lb	42.00 lb
D013	0.150 %	BWOB	31.50 lb	31.50 lb

TAIL SLURRY				
100 sks Class H @ 15.60 ppg				
<i>Sacks Of:</i>		Cement	<i>Total Blend/Cem:</i> 9,400.00 lb	
<i>Sack Weight:</i>		94.00 lb	<i>Sacks Blend/Cem:</i> 100.00 sks	
<i>Yield:</i>		1.19 ft3/sk	<i>Final Fluid Density:</i> 15.60 lb/gal	
<i>Mix Water:</i>		5.31 gal/sk	<i>Base Fluid Den:</i>	
Code	Conc	Design	Total	Load out with excess
D909	94.000 lb/sk	WTSK	9,400.00 lb	9,400.00 lb
D013	0.120 %	BWOC	11.28 lb	11.28 lb