



INVOICE

DATE	INVOICE #
9/25/2013	4240

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
HARPER, KS	9/18/2013	3296		RICHARD 3206 3-30H	Due on rec...

Description
DRILLED 80' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 80' OF 20" CONDUCTOR PIPE FURNISHED 1 LOAD(S) MUD FURNISHED WELDER AND MATERIALS FURNISHED 11 YARDS OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE TOTAL BID \$ 17,000.00

Sales Tax (6.15%)	\$161.62
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TOTAL	\$17,161.62
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OCT 07 2013

Cementing Service Report

REGULATORY DEPT
SANDRIDGE ENERGY

Well Richard 3-30H				Location (legal) Anthony			Customer Sandridge			Job Number 1855309		
Field Harper, Ks.			Formation Name/Type			Deviation		Bit Size 12.3 in		Well MD 750.0 ft		Well TVD 750.0 ft
County Harper			State/Province Kansas			BHP		BHST 89 degF		BHCT 65 degF		Pore Press. Gradient
Well Master 0631496321			API/UWI 15077219640100									
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		756.8	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 2816 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole						
						Top,	Bottom,		No. of Shots	Total Interval		
										Diameter		
						Treat Down Casing	Displacement 55.3 bbl		Packer Type		Packer Depth	
						Tubing Vol.	Casing Vol. 58.5 bbl		Annular Vol. 42.2 bbl		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 280 psi			Shoe Type Guide			Shoe Depth 756.8 ft			Squeeze Type			
Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Stage Tool Type			Tool Type			
No. Centralizers 4			Top Plugs 1	Bottom Plugs 0		Stage Tool Depth			Tool Depth			
Cement Head Type Single			Collar Type Float			Collar Depth 715.3 ft			Tail Pipe Size			
Job Scheduled For Sep/27/2013		Arrived on Location Sep/27/2013		Leave Location Sep/27/2013		Sqz. Total Vol.						
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message						
09/27/2013	05:42:24	4	0.0	8.46	0.0							
09/27/2013	05:42:32					Start Job						
09/27/2013	05:42:32	4	0.0	8.46	0.0							
09/27/2013	05:43:54	4	0.0	8.46	0.0							
09/27/2013	05:45:24	4	0.0	8.46	0.0							
09/27/2013	05:46:54	4	0.0	8.46	0.0							
09/27/2013	05:48:24	1	0.0	8.46	0.0							
09/27/2013	05:49:54	62	0.0	8.47	0.0							
09/27/2013	05:51:24	9	0.1	8.47	0.0							
09/27/2013	05:52:29					Start Pumping Spacer						
09/27/2013	05:52:29	2539	0.0	8.47	0.1							
09/27/2013	05:52:35					Pressure Test Lines						
09/27/2013	05:52:35	2534	0.0	8.47	0.1							
09/27/2013	05:52:54	2614	0.0	8.46	0.1							
09/27/2013	05:53:49					Pressure Test Lines						
09/27/2013	05:53:49	3886	0.0	8.46	0.1							
09/27/2013	05:54:24	6	0.0	8.46	0.1							
09/27/2013	05:55:54	68	2.2	8.46	0.9							
09/27/2013	05:57:24	140	5.1	8.45	7.7							
09/27/2013	05:57:53					End Spacer						
09/27/2013	05:57:53	142	5.2	8.45	10.2							

Well		Field	Job Start	Customer	Job Number	
Richard 3-30H		Harper,Ks.	Sep/27/2013	Sandridge	1855309	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/27/2013	05:57:58	143	5.1	8.45	10.6	
09/27/2013	05:58:54	258	5.9	12.55	15.6	
09/27/2013	06:00:24	261	6.0	12.67	24.6	
09/27/2013	06:01:54	256	6.1	12.57	33.8	
09/27/2013	06:03:24	257	5.9	12.67	42.8	
09/27/2013	06:04:54	114	4.6	12.49	51.6	
09/27/2013	06:06:24	247	6.0	12.42	58.8	
09/27/2013	06:07:54	261	6.1	12.60	67.8	
09/27/2013	06:09:24	249	5.9	12.63	76.9	
09/27/2013	06:10:54	251	6.0	12.59	85.6	
09/27/2013	06:12:24	229	5.9	12.54	94.4	
09/27/2013	06:13:35					End Lead Slurry
09/27/2013	06:13:35	130	3.9	12.36	100.6	
09/27/2013	06:13:37					Start Mixing Tail Slurry
09/27/2013	06:13:37	128	3.9	12.32	100.7	
09/27/2013	06:13:41					Reset Total, Vol = 101.00 bbl
09/27/2013	06:13:41	128	3.9	12.21	101.0	
09/27/2013	06:13:54	119	3.9	12.44	101.9	
09/27/2013	06:15:24	290	5.3	14.95	109.9	
09/27/2013	06:16:54	293	5.4	14.85	118.0	
09/27/2013	06:18:24	219	4.8	14.72	125.8	
09/27/2013	06:19:54	136	3.7	14.83	131.8	
09/27/2013	06:21:24	114	2.9	15.42	136.5	
09/27/2013	06:22:37					End Tail Slurry
09/27/2013	06:22:37	11	0.0	15.48	138.8	
09/27/2013	06:22:39					Reset Total, Vol = 37.83 bbl
09/27/2013	06:22:39	11	0.0	15.48	138.8	
09/27/2013	06:22:40					Drop Top Plug
09/27/2013	06:22:40	11	0.0	15.48	138.8	
09/27/2013	06:22:41					Start Displacement
09/27/2013	06:22:41	13	0.0	15.48	138.8	
09/27/2013	06:22:54	15	0.0	15.47	138.8	
09/27/2013	06:24:24	11	0.0	15.62	138.8	
09/27/2013	06:25:54	102	4.2	8.94	143.7	
09/27/2013	06:27:24	127	5.6	8.63	150.8	
09/27/2013	06:28:54	226	6.4	8.48	160.1	
09/27/2013	06:30:24	248	6.4	8.46	169.5	
09/27/2013	06:31:54	172	2.2	8.46	177.3	
09/27/2013	06:33:24	175	2.2	8.46	180.6	
09/27/2013	06:34:54	195	2.3	8.46	184.0	
09/27/2013	06:36:24	214	2.2	8.46	187.3	
09/27/2013	06:37:54	260	2.3	8.46	190.6	
09/27/2013	06:39:24	257	2.3	8.46	193.9	
09/27/2013	06:40:54	1065	0.0	8.46	194.3	
09/27/2013	06:42:12					Bump Top Plug
09/27/2013	06:42:12					End Displacement
09/27/2013	06:42:12	1066	0.0	8.46	194.3	
09/27/2013	06:42:15					Check Floats
09/27/2013	06:42:15	1066	0.0	8.46	194.3	
09/27/2013	06:42:24	1066	0.0	8.46	194.3	
09/27/2013	06:43:16					Reset Total, Vol = 55.52 bbl
09/27/2013	06:43:16	6	0.0	8.47	194.3	
09/27/2013	06:43:54	6	0.0	8.47	194.3	
09/27/2013	06:45:16					Floats Held

Well Richard 3-30H		Field Harper, Ks.		Job Start Sep/27/2013		Customer Sandridge		Job Number 1855309	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/27/2013	06:45:16	6	0.0	8.46	194.3				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.0	N2	Mud	Maximum Rate 6.0	Total Slurry 131.0	Mud	Spacer 10.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3900	Final 1075	Average 187	Bump Plug to 1075	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume	Displacement 55.3 bbl	Mix Water Temp	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Washed Thru Perfs <input type="checkbox"/>	Circulation Lost <input type="checkbox"/>	Volume 20.0 bbl	
Customer or Authorized Representative Cody Davis			Schlumberger Supervisor Dustin Green		Job Completed <input checked="" type="checkbox"/>			



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OCT 15 2013

Cementing Service Report

REGULATORY DEPT
SANDRIDGE ENERGY

Customer Sandridge				Job Number 1855869							
Well Richard 3206 3-30H			Location (legal) Harper			Schlumberger Location		Job Start Oct/07/2013			
Field Harper		Formation Name/Type		Deviation		Bit Size 8.8 in		Well MD 5147.0 ft		Well TVD	
County Harper		State/Province Kansas		BHP		BHST		BHCT		Pore Press. Gradient	
Well Master 0631496321		API/UWI 15077219640100		Casing/Liner							
Rig Name Horizon #15		Drilled For Oil & Gas		Service Via Land		Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		5147.0		7.000		26.0	
Drilling Fluid Type		Max. Density		Plastic Viscosity		0.0		0.000		0.0	
Service Line Cementing		Job Type Cem Interm Casing		Tubing/Drill Pipe							
Max. Allowed Tub. Press 1339 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Depth,		Size,		Weight,	
Service Instructions To provide services, equipment, materials and personnel to safely cement a 7" intermediate casing as per client request. Pump 30 bbls gel water (with J916ND), 200 sks lead slurry @13.6ppg, 100 sks tail slurry @15.6ppg, drop top plug and displace as per client approval.						Grade		Thread			
						Perforations/Open Hole					
						Top,		Bottom,		No. of Shots	
										Total Interval	
										Diameter	
						Treat Down Casing		Displacement 193.8 bbl		Packer Type	
						Tubing Vol.		Casing Vol. 197.1 bbl		Annular Vol.	
										Packer Depth	
										Openhole Vol.	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools				Squeeze Job			
Lift Pressure 611 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type Float		Shoe Depth 5147.6 ft		Squeeze Type	
No. Centralizers 4		Top Plugs 1		Bottom Plugs 0		Stage Tool Type		Stage Tool Depth		Tool Type	
Cement Head Type Single		Job Scheduled For Oct/07/2013		Arrived on Location Oct/07/2013		Leave Location Oct/07/2013		Collar Type Float		Tail Pipe Depth	
								Collar Depth 5059.1 ft		Sqz. Total Vol.	
Date		Time 24-hr clock		Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL	
10/07/2013		02:11:20		-1		0.0		8.47		0.0	
10/07/2013		02:11:22								Start Job	
10/07/2013		02:11:22		-1		0.0		8.47		0.0	
10/07/2013		02:12:51								Start Pumping Spacer	
10/07/2013		02:12:51		-1		0.0		8.47		0.0	
10/07/2013		02:13:20		-1		0.0		8.47		0.0	
10/07/2013		02:15:20		92		2.0		8.43		2.3	
10/07/2013		02:17:07								Pressure Test Low 1000 PSI	
10/07/2013		02:17:07		912		0.0		8.47		2.9	
10/07/2013		02:17:20		902		0.0		8.47		2.9	
10/07/2013		02:19:20		4920		0.0		8.47		3.0	
10/07/2013		02:20:15								Pressure Test High 5000 PSI	
10/07/2013		02:20:15		5212		0.0		8.47		3.0	
10/07/2013		02:21:20		16		0.0		8.47		3.0	
10/07/2013		02:23:20		217		5.0		8.43		9.8	
10/07/2013		02:25:20		218		4.9		8.44		19.7	
10/07/2013		02:27:20		259		5.0		8.45		29.6	
10/07/2013		02:27:33								Reset Total, Vol = 30.69 bbl	
10/07/2013		02:27:33		269		5.0		9.07		30.7	
10/07/2013		02:27:36								End Spacer	
10/07/2013		02:27:36		243		4.9		9.76		30.9	

Well		Field		Job Start		Customer		Job Number	
Richard 3206 3-30H		Harper		Oct/07/2013		Sandridge		1855869	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/07/2013	02:27:40	247	4.9	10.28	31.3				
10/07/2013	02:29:20	523	5.6	13.71	39.7				
10/07/2013	02:31:20	435	5.3	13.79	50.3				
10/07/2013	02:33:20	296	5.1	13.77	60.4				
10/07/2013	02:35:20	353	5.4	13.79	70.7				
10/07/2013	02:37:20	183	3.9	13.24	80.6				
10/07/2013	02:37:42					End Lead Slurry			
10/07/2013	02:37:42	170	3.8	15.49	82.0				
10/07/2013	02:37:43					Start Mixing Tail Slurry			
10/07/2013	02:37:43	195	3.7	15.49	82.1				
10/07/2013	02:37:46					Reset Total, Vol = 51.57 bbl			
10/07/2013	02:37:46	329	4.2	15.45	82.3				
10/07/2013	02:39:20	346	5.2	15.80	89.6				
10/07/2013	02:41:20	198	3.9	15.50	100.2				
10/07/2013	02:42:41					Reset Total, Vol = 22.04 bbl			
10/07/2013	02:42:41	10	0.0	15.93	104.3				
10/07/2013	02:42:43					End Tail Slurry			
10/07/2013	02:42:43	9	0.0	15.93	104.3				
10/07/2013	02:42:44					Drop Top Plug			
10/07/2013	02:42:44	10	0.0	15.92	104.3				
10/07/2013	02:42:45					Start Displacement			
10/07/2013	02:42:45	9	0.0	15.92	104.3				
10/07/2013	02:43:20	9	0.0	15.89	104.3				
10/07/2013	02:45:20	9	0.0	15.91	104.3				
10/07/2013	02:47:20	144	5.0	8.80	110.3				
10/07/2013	02:49:20	127	4.9	8.51	120.2				
10/07/2013	02:51:20	149	5.7	2.72	131.2				
10/07/2013	02:53:20	95	5.6	8.46	142.7				
10/07/2013	02:55:20	119	6.0	8.46	154.5				
10/07/2013	02:57:20	213	6.0	8.46	166.4				
10/07/2013	02:59:20	151	5.9	8.46	178.3				
10/07/2013	03:01:20	104	5.9	8.46	190.2				
10/07/2013	03:03:20	93	5.9	8.46	202.2				
10/07/2013	03:05:20	120	6.0	8.46	214.0				
10/07/2013	03:07:20	92	5.9	8.46	225.9				
10/07/2013	03:09:20	191	5.9	8.46	237.8				
10/07/2013	03:11:20	181	5.9	8.46	249.8				
10/07/2013	03:13:20	567	6.0	8.46	261.7				
10/07/2013	03:15:20	584	5.9	8.46	273.6				
10/07/2013	03:17:20	854	6.0	8.46	285.5				
10/07/2013	03:19:20	569	2.8	8.46	292.5				
10/07/2013	03:21:20	646	2.7	8.46	298.1				
10/07/2013	03:23:20	676	2.8	8.46	303.6				
10/07/2013	03:25:12					Reset Total, Vol = 202.50 bbl			
10/07/2013	03:25:12	1347	0.0	8.46	306.8				
10/07/2013	03:25:14					Bump Top Plug			
10/07/2013	03:25:14					End Displacement			
10/07/2013	03:25:14	1352	0.0	8.46	306.8				
10/07/2013	03:25:16					Check Floats			
10/07/2013	03:25:16	1342	0.0	8.46	306.8				
10/07/2013	03:25:20	1344	0.0	8.46	306.8				
10/07/2013	03:27:20	1348	0.0	8.46	306.8				
10/07/2013	03:29:20	124	0.0	8.46	306.8				
10/07/2013	03:30:22					Floats held			

Well Richard 3206 3-30H		Field Harper		Job Start Oct/07/2013		Customer Sandridge		Job Number 1855869	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/07/2013	03:30:23					End Job			

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate		Total Slurry 72.8	Mud	Spacer 30.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3500	Final 1339	Average 214	Bump Plug to 1339	Breakdown	Type	Volume		Density	
Avg. N2 Percent		Designed Slurry Volume	Displacement 193.8 bbl	Mix Water Temp	Cement Circulated to Surface?	<input type="checkbox"/>		Volume	
					Washed Thru Perfs	<input type="checkbox"/>		To	
Customer or Authorized Representative Cody Davis			Schlumberger Supervisor Dustin Green		Circulation Lost	<input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
					-			-	