



INVOICE

DATE	INVOICE #
8/27/2013	4172

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
SUMNER, KS	8/24/2013	3247	HORIZON 5	PERTH 3302 1-1	Due on rec...

Description

DRILLED 40' OF 30" CONDUCTOR HOLE
 DRILLED 6' OF 76" HOLE
 FURNISHED AND SET 6' X 6' TINHORN CELLAR
 FURNISHED 40' OF 20" CONDUCTOR PIPE
 FURNISHED 25' MOUSE HOLE SHUCK
 FURNISHED 1 LOAD(S) MUD
 FURNISHED 7 YARDS OF GRADE A CEMENT
 FURNISHED GROUT PUMP
 DRILL MOUSE HOLE

TOTAL BID \$ 10,000.00

Sales Tax (6.65%)	\$99.12
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TOTAL	\$10,099.12
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				Customer SANDRIDGE ENERGY INC			Job Number 1844254				
Well PERTH 3302 1-1			Location (legal)			Schlumberger Location EL RENO			Job Start Aug/28/2013		
Field		Formation Name/Type		Deviation deg		Bit Size 12.3 in		Well MD 285.0 ft		Well TVD 285.0 ft	
County SUMMER		State/Province Oklahoma		BHP psi		BHST 84 degF		BHCT 80 degF		Pore Press. Gradient lb/gal	
Well Master		API/UWI									
Rig Name		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		277.5		8.6		24.0	
						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		Grade		Thread	
Service Line Cementing		Job Type SURFACE									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
						No. of Shots		Total Interval ft			
Service Instructions						ft		ft			
						ft		ft		Diameter in	
						ft		ft			
						Treat Down Casing		Displacement 15.0 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 126 psi				Shoe Type Guide		Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 277.0 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 Aug/28/2013		Arrived on Location Aug/28/2013		Leave Location Aug/28/2013		Collar Type Float		Tail Pipe Depth ft			
						Collar Depth 231.0 ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
08/28/2013	02:03:13	-1	0.0	8.34	0.0	Started Acquisition					
08/28/2013	02:06:13	-5	0.0	8.33	0.0						
08/28/2013	02:09:13	620	0.0	8.33	0.0						
08/28/2013	02:12:13	7	0.0	8.33	0.0						
08/28/2013	02:13:08	3	0.0	8.33	0.0	Start Job					
08/28/2013	02:13:12	4	0.0	8.32	0.0	Pressure Test Lines					
08/28/2013	02:13:14	5	0.0	8.32	0.0	Start Pumping Spacer					
08/28/2013	02:15:07	103	5.1	8.39	0.0	End Spacer					
08/28/2013	02:15:10	107	5.1	8.33	0.0	Start Cement Slurry					
08/28/2013	02:15:13	108	5.1	8.27	0.0						
08/28/2013	02:15:15	98	5.0	8.30	0.0	Reset Total, Vol = 11.30 bbl					
08/28/2013	02:18:13	204	5.0	14.80	0.0						
08/28/2013	02:21:13	206	5.1	14.77	0.0						
08/28/2013	02:24:13	210	5.1	14.96	0.0						
08/28/2013	02:24:55	206	5.1	14.67	0.0	End Cement Slurry					
08/28/2013	02:25:00	217	5.1	14.69	0.0	Drop Top Plug					
08/28/2013	02:25:01	217	5.1	14.73	0.0	Start Displacement					
08/28/2013	02:27:13	10	0.0	11.53	0.0						
08/28/2013	02:30:13	143	5.5	9.04	0.0						
08/28/2013	02:33:13	1978	2.8	8.32	0.0						
08/28/2013	02:36:13	5	0.0	8.32	0.0						

Well PERTH 3302 1-1		Field		Job Start Aug/28/2013		Customer SANDRIDGE ENERGY INC		Job Number 1844254	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/28/2013	02:38:39	-1	0.0	8.32	0.0	End Displacement			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4.4			5.7	49.0	0.0	10.0			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
3023	-1	349	2000			bbl	lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume				
%	0.0 bbl	15.0 bbl	degF	<input checked="" type="checkbox"/>	20.0 bbl				
Customer or Authorized Representative				Schlumberger Supervisor		Washed Thru Perfs	To	Job Completed	
EDWIN MILLER				NATHAN SMITH		<input type="checkbox"/>	ft	<input checked="" type="checkbox"/>	
						-	-		

Well		Field		Job Start		Customer		Job Number	
Perth 3302 1-1				Sep/01/2013		Sandridge		1844274	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/01/2013	15:00:08	403	4.9	8.63	33.1				
09/01/2013	15:00:09					End Spacer			
09/01/2013	15:00:09	403	4.9	8.82	33.2				
09/01/2013	15:00:10					Start Mixing Lead Slurry			
09/01/2013	15:00:10	411	4.9	9.01	33.3				
09/01/2013	15:01:32	532	5.0	13.76	39.9				
09/01/2013	15:03:02	502	5.2	13.80	47.5				
09/01/2013	15:04:32	445	5.3	13.80	55.4				
09/01/2013	15:06:02	388	5.3	13.74	63.3				
09/01/2013	15:07:32	336	5.3	13.72	71.2				
09/01/2013	15:09:02	282	5.2	13.66	79.1				
09/01/2013	15:10:32	209	5.2	13.72	86.9				
09/01/2013	15:12:00					Reset Total, Vol = 60.02 bbl			
09/01/2013	15:12:00	117	4.1	13.75	93.2				
09/01/2013	15:12:02	141	4.1	13.93	93.3				
09/01/2013	15:12:03					End Lead Slurry			
09/01/2013	15:12:03	117	4.2	13.93	93.4				
09/01/2013	15:12:04					Start Mixing Tail Slurry			
09/01/2013	15:12:04	120	4.1	14.02	93.4				
09/01/2013	15:13:32	238	5.0	15.69	100.1				
09/01/2013	15:15:02	192	4.3	16.11	107.4				
09/01/2013	15:16:32	98	2.3	15.80	113.2				
09/01/2013	15:17:13					Reset Total, Vol = 21.59 bbl			
09/01/2013	15:17:13	62	1.5	15.80	114.8				
09/01/2013	15:17:15					End Tail Slurry			
09/01/2013	15:17:15	15	0.9	15.81	114.8				
09/01/2013	15:17:17					Start Wash Up			
09/01/2013	15:17:17	-7	0.8	15.89	114.8				
09/01/2013	15:18:02	-2	0.0	13.80	114.9				
09/01/2013	15:19:32	73	2.3	9.45	115.2				
09/01/2013	15:21:02	195	5.3	8.79	121.4				
09/01/2013	15:22:32	200	5.8	8.15	129.5				
09/01/2013	15:24:02	201	5.7	8.43	138.1				
09/01/2013	15:25:32	-5	0.0	8.43	142.8				
09/01/2013	15:27:02	51	2.2	8.43	144.4				
09/01/2013	15:28:32	94	5.6	8.43	149.0				
09/01/2013	15:29:39					End Wash Up			
09/01/2013	15:29:39	104	6.1	8.43	155.8				
09/01/2013	15:29:41					Reset Total, Vol = 20.22 bbl			
09/01/2013	15:29:41	104	6.2	8.43	156.0				
09/01/2013	15:29:42					Start Displacement			
09/01/2013	15:29:42	106	6.2	8.43	156.1				
09/01/2013	15:29:43					Drop Top Plug			
09/01/2013	15:29:43	105	6.1	8.43	156.2				
09/01/2013	15:30:02	105	6.0	8.43	158.1				
09/01/2013	15:31:32	105	6.1	8.43	167.3				
09/01/2013	15:33:02	103	6.1	8.43	176.5				
09/01/2013	15:34:32	102	6.1	8.43	185.7				
09/01/2013	15:36:02	102	6.0	8.43	194.9				
09/01/2013	15:37:32	393	6.1	8.43	204.1				
09/01/2013	15:39:02	539	6.1	8.43	213.3				
09/01/2013	15:40:32	556	2.3	8.43	222.2				
09/01/2013	15:42:02	556	2.2	8.43	225.5				
09/01/2013	15:43:32	722	2.3	8.43	228.8				

Well		Field		Job Start		Customer		Job Number	
Perth 3302 1-1				Sep/01/2013		Sandridge		1844274	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/01/2013	15:46:32	880	2.3	8.42	235.5				
09/01/2013	15:48:02	925	2.3	8.42	238.8				
09/01/2013	15:49:32	1624	0.0	8.43	239.8				
09/01/2013	15:49:43					Bump Top Plug			
09/01/2013	15:49:43	1624	0.0	8.42	239.8				
09/01/2013	15:49:44					End Displacement			
09/01/2013	15:49:44	1625	0.0	8.43	239.8				
09/01/2013	15:49:45					Check Floats			
09/01/2013	15:49:45	1622	0.0	8.43	239.8				
09/01/2013	15:51:02	1628	0.0	8.43	239.8				
09/01/2013	15:52:32	1633	0.0	8.43	239.8				
09/01/2013	15:54:02	1638	0.0	8.43	239.8				
09/01/2013	15:55:32	-1	0.0	8.43	239.8				
09/01/2013	15:56:12					Floats Held			
09/01/2013	15:56:12	-0	0.0	8.43	239.8				
09/01/2013	15:56:15					Reset Total, Vol = 99.78 bbl			
09/01/2013	15:56:15	-1	0.0	8.43	239.8				
09/01/2013	15:56:18					End Job			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.0			6.0	81.9		30.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
5000	1612	300	1612				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input type="checkbox"/>	Volume	
		99.9 bbl		Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed	<input type="checkbox"/>
Edwin Miller	Dustin Green			-		-	