



**INVOICE**

DATE	INVOICE #
9/16/2013	4216

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	9/17/2013	3280	HORIZON 15	RICHARD 3206 1-30	Due on rec...

Description

DRILLED 60' OF 30" CONDUCTOR HOLE  
 DRILLED 6' OF 76" HOLE  
 FURNISHED AND SET 6' X 6' TINHORN CELLAR  
 FURNISHED 60' OF 20" CONDUCTOR PIPE  
 FURNISHED WELDER AND MATERIALS  
 FURNISHED 8 YARDS OF GRADE A CEMENT  
 DRILL MOUSE HOLE  
 FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE

TOTAL BID \$ 16,000.00

Sales Tax (6.15%)	\$125.58
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<b>TOTAL</b>	\$16,125.58
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<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 4611</b>	TRIP DATE <b>12/11/14</b>
COUNTY <b>Harper</b>	STATE <b>Kansas</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>JT Hunter</b>	
LEASE NAME <b>Richard 3206</b>	Well No. <b>2-30H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Arthur Setzer</b>	

EMP NAME					
Arthur Setzer		0			
Jared Green					
Tony Phillips					
Paul Thomas					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_ 0

Bottom Hole Temp. 80 Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth 788'

Date	Called Out <b>12/11/2014</b>	On Location <b>12/11/2014</b>	Job Started <b>12/11/2014</b>	Job Completed <b>12/11/2014</b>
Time	<b>0400</b>	<b>1200</b>	<b>2130</b>	<b>2400</b>

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Valve	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 5/8"		Surface	788'	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	750	Shots/Ft.
Perforations							
Perforations							
Perforations							

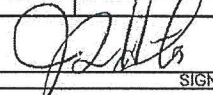
Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water	BBL	10 8.33
Spacer type		BBL	
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/11	12.0	12/11	3.0	Surface
Total	12.0	Total	3.0	

MAX 1,500 PSI		AVG. 250	
Average Rates in BPM			
MAX 6 BPM		AVG 5	
Cement Left in Pipe			
Feet 46		Reason SHOE JOINT	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	460	Premium Plus (Class C)	2% Calcium Chloride - 1/2% Cello-Flake	6.32	1.32	14.80
2	0	0	Displacement 57BBL	0.00	0.00	0.00
3	0	0		0	0.00	0.00

Summary							
Preflush		Type:		Preflush:	BBI	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-	NO/FULL	Excess /Return	BBI	45	Calc. Disp Bbl 57
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 57.00
Average		Bump Plug PSI:	850	Final Circ.	PSI:	250	Disp:Bbl 57.00
5 Min.		10 Min		Cement Slurry	BBI	108.0	
		15 Min		Total Volume	BBI	175.00	

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE 

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 4640</b>	TICKET DATE <b>12/18/14</b>
COUNTY <b>Harper</b>	STATE <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>MARK TURNER</b>	
LEASE NAME <b>Richard 3206</b>	Well No. <b>2-30H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>LOUIS ARNEY</b>	

EMP NAME					
Louis Arney		0			
Donnie Brown					
Flo Helkena					
Jacob Jackson					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_ 0 \_\_\_\_\_

Bottom Hole Temp. 155 Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth 5457

Date	Called Out <b>12/18/2014</b>	On Location <b>12/18/2014</b>	Job Started <b>12/18/2014</b>	Job Completed <b>12/18/2014</b>
Time	<b>2100</b>	<b>0530</b>	<b>1049</b>	<b>1330</b>

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From To	Max. Allow
Casing		26#	7"		Surface	5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 1/2"		Surface	5,472 Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water BBL		20 8.33
Spacer type	Caustic BBL		10 8.40
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		ln
NE Agent	Gal.		ln
Fluid Loss	Gal/Lb		ln
Gelling Agent	Gal/Lb		ln
Fric. Red.	Gal/Lb		ln
MISC.	Gal/Lb		ln

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/18	8.0	12/18	1.7	Intermediate
Total	8.0	Total	1.7	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Pressures			
MAX	5,000 PSI	AVG	500
Average Rates in BPM			
MAX	8 BPM	AVG	3.5
Cement Left in Pipe			
Feet	79	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.3% C-20 - 0.1% C-37 - 0.2% X-Air	6.93	1.43	13.60
2	100	Premium	0.2% FL-17 - 0.1% C-51 - 0.15% C-20 - 0.2% X-Air	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	10	Type: Caustic	Preflush: BBI	30.00	Type: Gel Spacer
Breakdown		MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-# NO/FULL	Excess /Return BBI	0	Calc.Disp Bbl 206
		Actual TOC	Calc. TOC:	3,300	Actual Disp. 200.00
Average		Bump Plug PSI: 1,450	Final Circ. PSI:	1,110	Disp:Bbl
ISIP	5 Min.	10 Min.	Cement Slurry BBI	89.0	
		15 Min.	Total Volume BBI	319.00	

CUSTOMER REPRESENTATIVE \_\_\_\_\_ *Billy Self* \_\_\_\_\_ SIGNATURE