



INVOICE

DATE	INVOICE #
11/24/2014	5294

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	Start Date	End Date	Work Order	Rlg Number	LEASE NAME	Terms
HARPER, KS	11/20/2014		3857	LARIAT 40	HELEN 3503 1-18H	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 MUD, WATER, AND TRUCKING
 FURNISHED WELDER AND MATERIALS
 FURNISHED 8 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE
 FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE
 FURNISHED GROUT PUMP
 DRILL MOUSE HOLE
 FURNISHED 80' OF 16" CONDUCTOR PIPE

TOTAL BID \$19,000.00

AFE Number: DC 14315
 Well Name: Helen 3503 1-18H
 Code: 850.010
 Amount: \$19,237.51
 Co. Man: _____
 Co. Man Sig.: Billy Surt for John Fortune
 Notes: _____

Sales Tax (6.15%)	\$237.51
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TOTAL	\$19,237.51
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JOB SUMMARY			PROJECT NUMBER SOK 4560	TICKET DATE 12/02/14
COUNTY Sumner	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Luis Garza	
LEASE NAME Helen 3503	Well No. 4-7H	JOB TYPE Surface	EMPLOYEE NAME 0	

EMP NAME **1-18 H**

Mike Hall				
Cheryl Newton				
David Settlemier				
Tony Phillips				

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **463'**

Date	Called Out 12/1/2014	On Location 12/1/2014	Job Started 12/1/2014	Job Completed 12/1/2014
Time	1400		1300	

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

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 5/8"		Surface	468'	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	463'	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

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/1	13.0	12/1	1.0	Surface
Total	13.0	Total	1.0	


Pressures		Average Rates in BPM	
MAX	1,500 PSI	AVG.	200
MAX	6 BPM	AVG	4.5
Feet	46'	Cement Left in Pipe	
		Reason	SHOE JOINT

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	315	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake			
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	10	Type:	Fresh Water	Preflush:	BBI	10.00	Type:	Fresh Water
		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	30	Calc.Disp Bbl	32
		Actual TOC	463'	Calc. TOC:		463'	Actual Disp.	32.00
Average		Bump Plug PSI:	800	Final Circ.	PSI:	250	Disp:Bbl	32.00
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry	BBI	74.0		
				Total Volume	BBI	116.00		

CUSTOMER REPRESENTATIVE _____



SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 4603	TICKET DATE 12/12/14
COUNTY Sumner	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Corey Aleman	
LEASE NAME Helen 3503	Well No. 47H	JOB TYPE Intermediate	EMPLOYEE NAME Marcos Quintana	

EMP NAME Marcos Quintana	0				
Kyle Laskowitz					
Chris Looney					
Ron Derry					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5378**

Date	Called Out 12/11/2014	On Location 12/11/2014	Job Started 12/12/2014	Job Completed 12/12/2014
Time	1400	1900	0030	210

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	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	5,424	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	gel spacer BBL.		20 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	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/11	8.0	12/12	2.0	Intermediate
Total	8.0	Total	2.0	

Pressures			
MAX	5,000 PSI	AVG.	500psi
Average Rates in BPM			
MAX	8 BPM	AVG	5bpm
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	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 Breakdown	Type: _____	Preflush: BBI	30.00
	MAXIMUM	Load & Bkdn: Gal - BBI	N/A
	Lost Returns-N	Excess /Return BBI	N/A
	Actual TOC	Calc. TOC:	1.955
Average	Bump Plug PSI:	Final Circ. PSI:	700
ISIP _____ 5 Min. _____	10 Min _____	Cement Slurry: BBI	92.0
	15 Min _____	Total Volume BBI	324.00

CUSTOMER REPRESENTATIVE *Corey Aleman* SIGNATURE