



INVOICE

DATE	INVOICE #
7/8/2014	4935

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	7/8/2014	3727	LATSHAW 27	SARAH 3306 3-28H	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 25' MOUSE HOLE SHUCK 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 75' OF 16" CONDUCTOR PIPE TOTAL BID \$19,650.00	
Sales Tax (6.15%)	\$170.94

TOTAL	\$19,820.94
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JOB SUMMARY			PROJECT NUMBER SOK 3935	TICKET DATE 07/12/14
COUNTY Harper	STATE Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Vince Brown	
LEASE NAME Sarah 3306	Well No. 3-28H	JOB TYPE Surface	EMPLOYEE NAME Arthur Setzer	

EMP NAME	0				
Arthur Setzer					
Jared Green					
Frank Reeves					
Don Brown					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **700**

Date	Called Out 7/11/2014	On Location 7/12/2014	Job Started 7/12/2014	Job Completed 7/12/2014
Time	2000	0200	0540	0800

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

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		36#	9"		Surface	689
Liner						1,500
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	690
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type		9	
Disp. Fluid	Fresh Water	8.33	
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	
7/12	6.0	7/12	2.0	Surface
Total	6.0	Total	2.0	

Pressures			
MAX	1,500 PSI	AVG.	320
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	45	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	175	TEX Lite Premium Plus 65	(6% Gal) 2% Calcium Chloride - 1/4pps Cello-Flake - .4% C-41P	11.11	2.01	12.40
2	165	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00
	Lost Returns-l _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____	SURFACE _____		Excess /Return BBI _____	40
Average	Bump Plug PSI: _____	700		Calc. TOC: _____	SURFACE
IS: 5 Min. _____	10 Min. _____	15 Min. _____		Final Circ. PSI: _____	300
				Cement Slurry BBI _____	103.0
				Total Volume BBI _____	163.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 3961	TICKET DATE 07/20/14
COUNTY Harper	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP 0	
LEASE NAME Sarah 3306	Well No. 3-28H	JOB TYPE Intermediate	EMPLOYEE NAME Mike Hall	

EMP NAME Mike Hall	0				
Cheryl Newton					
Dustin Odom					
Vontray Watkins					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5325'**

Date	Called Out 7/19/2014	On Location 7/19/2014	Job Started 7/19/2014	Job Completed 7/20/2014
Time		17:00	22:32	00:00

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		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/4"		Surface	5,377	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.		30 8.33
Spacer type			
Acid Type			
Acid Type			
Surfactant			
NE Agent			
Fluid Loss			
Gelling Agent			
Fric. Red.			
MISC.			
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7/19	8.0	7/19	1.0	Intermediate
Total	8.0	Total	1.0	

Pressures		
MAX	5,000 PSI	AVG. 350
Average Rates in BPM		
MAX	8 BPM	AVG. 4.5
Cement Left in Pipe		
Feet	89	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	235	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.2% C-20 - 0.1% C-37 - 0.4% C-41P	6.93	1.43	13.60
2	115	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	30	Type:	Mudwash	Preflush:	BBI
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI
		Lost Returns-	NO/FULL	Excess /Return	BBI
		Actual TOC	2307'	Calc. TOC:	
Average		Bump Plug PSI:	1,500	Final Circ. PSI:	650
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry	BBI
				Total Volume	BBI
					312.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____