



INVOICE

DATE	INVOICE #
7/22/2014	4563

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	7/15/2014	3746	HWD	JAMES 3406 1-4H	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 GROUT PUMP TOTAL BID \$14,000.00		
AFE Number: <u>DC13972</u> Well Name: <u>JAMES 3406 1-4H</u> Code: <u>850.010</u> Amount: <u>14094.83</u> Co. Man: <u>T. H. W. FOR LANE</u> Co. Man Sig.: <u>[Signature]</u> Notes: _____		
<table border="1"> <tr> <td>Sales Tax (6.15%)</td> <td>\$94.83</td> </tr> </table>	Sales Tax (6.15%)	\$94.83
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TOTAL	\$14,094.83
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JOB SUMMARY			PROJECT NUMBER SOK 4024	TICKET DATE 08/04/14
COUNTY Harper	State Oklahoma	COMPANY Sandridge Exploration & Production	CUSTOMER REP 0	
LEASE NAME James 3406	Well No. 1-4H	JOB TYPE Intermediate	EMPLOYEE NAME Bryan Douglas	

EMP NAME					
Bryan Douglas		0			
Paul Thomas					
Flo Helkena					
Danny Tewell					

Form. Name _____ Type: _____
 Packer Type _____ Set At _____ 0
 Bottom Hole Temp. **155** Pressure _____
 Retainer Depth _____ Total Depth **5290**

	Called Out	On Location	Job Started	Job Completed
Date	8/4/2014	8/4/2014	8/4/2014	8/4/2014
Time	0400	0700	1000	1200

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 3/4"	Surface	5,290 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	BBL.	30 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	

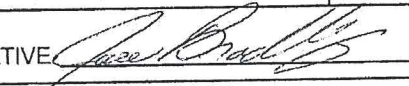
Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/4	5.0	8/4	2.0	Intermediate
				1 BBL BACK
Total	5.0	Total	2.0	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures			
MAX	5,000 PSI	AVG	500
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	87	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	225	50/60 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	120	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:	Gel	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-N	NO/FULL	Excess /Return	BBI	N/A	Calc.Disp Bbl	198
		Actual TOC	3.205	Calc. TOC:		3.205	Actual Disp.	198.21
Average		Bump Plug PSI:	1,500	Final Circ.	PSI:	1,000	Disp:Bbl	198.21
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBI	82.7		
				Total Volume	BBI	310.94		

CUSTOMER REPRESENTATIVE  SIGNATURE _____