



**INVOICE**

DATE	INVOICE #
8/22/2014	5038

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	8/21/2014	3947	LATSHAW 27	RANDY 3508 2-3H	Due on rec...

Description
DRILLED 90' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 90' OF 20" CONDUCTOR PIPE FURNISHED 20' MOUSE HOLE SHUCK FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED 9 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 \$20,850.00  AFE Number: <u>DC14206</u> Well Name: <u>Randy 3508 2-3H</u> Code: <u>850,010</u> Amount: <u>\$21,030.16</u> Co. Man: <u>Quincy Locke</u> Co. Man Sig.: <u>[Signature]</u> Notes: _____

Sales Tax (6.15%)	\$180.16
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<b>TOTAL</b>	<b>\$21,030.16</b>
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# JOB SUMMARY

COUNTY		State		COMPANY		PROJECT NUMBER	TICKET DATE
Harper		Kansas		Bridg Exploration & Produc		SOK 4113	08/26/14
LEASE NAME		Well No.		JOB TYPE		CUSTOMER REP	
Randy 3508		2-3H		Surface		Jerry Bias	
EMP NAME						EMPLOYEE NAME	
Mike Hall						Mike Hall	

Mike Hall		0					
Cheryl Newton							
Dustin Odom							
Vontray Watkins							

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

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

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

Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_ 689'

Date	Called Out	On Location	Job Started	Job Completed
	8/25/2014	8/25/2014	8/26/2014	8/26/2014
Time		23:00	08:04	10:00

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 5/8"		Surface	800	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	800	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
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	
8/25,8/26	11.0	8/26	1.0	Surface
Total	11.0	Total	1.0	

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

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Pressures	
MAX	1,500 PSI
AVG.	150
Average Rates in BPM	
MAX	6 BPM
AVG.	4.5
Cement Left in Pipe	
Feet	46'
Reason SHOE JOINT	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	215	TEX Lite Premium Plus 65	(6% Gel) 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	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00
	Lost Returns- _____	NO/FULL		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____	689		Excess /Return BBI _____	50
Average	Bump Plug PSI: _____	800		Calc. TOC: _____	689
ISIP _____ 5 Min.	10 Min _____	15 Min _____		Final Circ. PSI: _____	250
				Cement Slurry BBI _____	114.0
				Total Volume BBI _____	174.00

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

*Jerry Bias*

SIGNATURE \_\_\_\_\_

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 4137</b>	TICKET DATE <b>08/31/14</b>
COUNTY <b>Harper</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>Vince Brown</b>	
LEASE NAME <b>Randy 3508</b>	Well No. <b>2-3H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>John Hall</b>	

EMP NAME <b>John Hall</b>	<b>Jacob Jackson</b>			
<b>Louis Arney</b>				
<b>James Derry</b>				
<b>Vontray Watkins</b>				

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

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

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

Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_ 5400 \_\_\_\_\_

Tools and Accessories

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

Date	Called Out	On Location	Job Started	Job Completed
	8/31/2014	8/31/2014	8/31/2014	8/31/2014
Time	1000pm	1230am	800am	1000am

  

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 7/8"	Surface	5,400	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 8.40
Spacer type		BBL.	
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

  

Perfpac Balls	Qty.
Other	
Other	
Other	
Other	
Other	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/31	10.0	8/31	2.0	Intermediate
Total	10.0	Total	2.0	

Pressures			
MAX	5,000 PSI	AVG.	500 psi
Average Rates in BPM			
MAX	8 BPM	AVG	5 bpm
Cement Left in Pipe			
Feet	45	Reason	SHOE JOINT

Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	210	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	100	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	_____	Type:	_____	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	203
	_____	Actual TOC	2.847	Calc. TOC:		2.847	Actual Disp.	202.70
Average	_____	Bump Plug PSI:	1,500	Final Circ. PSI:		1,000	Disp:Bbl	202.70
ISIP	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry BBI		74.4		
				Total Volume	BBI	307.10		

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