



INVOICE

DATE	INVOICE #
6/19/2014	4873

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	6/18/2014	3687	LARIAT 45	JOSEPH 3405 2-1H	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 WELDER AND MATERIALS FURNISHED 8 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE DRILL MOUSE HOLE FURNISHED 80' OF 16" CONDUCTOR PIPE TOTAL BID \$17,000.00

Sales Tax (6.15%)	\$158.79
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TOTAL	\$17,158.79
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JOB SUMMARY

COUNTY Harper State Kansas COMPANY Bridge Exploration & Produc		PROJECT NUMBER SOK 3870	TICKET DATE 06/23/14
LEASE NAME Joseph Well No. 3405 2-1H JOB TYPE Surface		CUSTOMER REP Claude Hallmark	
EMP NAME Robert Burris		EMPLOYEE NAME ROBERT BURRIS	

Robert Burris		RJ STONEHOCKER			
CODY BONITZ					
Vontray Watkins					
Randall Irvin					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 517

Date	Called Out	On Location	Job Started	Job Completed
	6/22/2014	6/22/2014	6/23/014	6/23/2014
Time	16:30	18:45	24:00	12:30

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

Well Data

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	36#	9"		Surface	523	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	517	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	<u>8.33</u>	Lb/Gal
Spacer type	Fresh Water	BBL.	<u>10</u>	<u>8.33</u>
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	
6/22	5.0	6/23	1.5	Surface
6/23	12.0			
Total	17.0	Total	1.5	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures

MAX	2000 PSI	AVG.	900 PSI
Average Rates in BPM			
MAX	6 BPM	AVG	2 BPM
Cement Left in Pipe			
Feet	48 FT	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	0	0		0	0.00	0.00
2	195	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	170	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary

Preflush Breakdown	_____ Type: _____	Preflush: BBI	<u>10.00</u> Type: <u>Fresh Water</u>
_____	MAXIMUM <u>1,500 PSI</u>	Load & Bkdn: Gal - BBI	<u>N/A</u> Pad:Bbl -Gal <u>N/A</u>
_____	Lost Returns- <u>NO/FULL</u>	Excess /Return BBI	<u>13</u> Calc.Disp Bbl <u>37</u>
_____	Actual TOC <u>SURFACE</u>	Calc. TOC: _____	<u>SURFACE</u> Actual Disp. <u>36.00</u>
Average	Bump Plug PSI: <u>1,800</u>	Final Circ. PSI: <u>1,300</u>	Disp:Bbl _____
ISIP _____ 5 Min.	10 Min _____ 15 Min _____	Cement Slurry BBI	<u>87.0</u>
		Total Volume BBI	<u>133.00</u>

CUSTOMER REPRESENTATIVE Claude Hallmark SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 3902	TICKET DATE 07/04/14
COUNTY Harper	STATE Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Bill Torbett	
LEASE NAME Joseph 3405	Well No. 2-1H	JOB TYPE Intermediate	EMPLOYEE NAME Arthur Setzar	

EMP NAME	Arthur Setzar	Eric Parsons				
Jared Green						
Donald Brown						
David Settlemier						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5375**

Date	Called Out 7/3/2014	On Location 7/3/2014	Job Started 7/3/2014	Job Completed 7/4/2014
Time	0100	8:00am	12:07pm	0400

Tools and Accessories

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	Max. Allow
Casing		26#	7"		Surface	5,375	5,000
Liner							
D V Tool @						604	
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,369	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	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		

Perpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7/3	16.0	7/3	5.0	Intermediate
7/4	4.0	7/4	4.0	D V Tool @ 604'
				1st Stage Displ. 204
				2nd Stage Displ. 23
Total	20.0	Total	9.0	

Pressures		Average Rates in BPM	
MAX	5,000 PSI	AVG.	100
MAX	8 BPM	AVG	4
Feet		Cement Left in Pipe	
44		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 - 0.2% 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	600	Premium Plus (Class C)	2% Calcium Chloride	6.32	1.32	14.80

Summary

Preflush Breakdown	Type: _____	MAXIMUM _____ 5,000 PSI	Lost Returns-I _____ NOI/FULL	Actual TOC _____	Bump Plug PSI: _____ 620	ISIF _____ 5 Min. _____ 10 Min. _____ 15 Min. _____	Preflush: BBI _____ 30.00	Load & Bkdn: Gal - BBI _____ N/A	Excess /Return BBI _____ N/A	Calc. TOC: _____ 5,000	Final Circ. PSI: _____ 160	Cement Slurry BBI _____ 109.0	Total Volume BBI _____ 138.97	Type: Gel Spacer	Pad:Bbl -Gal _____ N/A	Calc.Disp Bbl _____ 204 / 23	Actual Disp. _____	Disp:Bbl _____
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CUSTOMER REPRESENTATIVE Bill Torbett SIGNATURE