



INVOICE

DATE	INVOICE #
8/22/2014	5039

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	8/20/2014	3945	LARIAT 40	HANK 3408 1-36H	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 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 80' OF 16" CONDUCTOR PIPE

TOTAL BID \$19,850.00

AFE Number: DC14148
 Well Name: Hank 3408 1-36H
 Code: 850,010
 Amount: \$20,018.02
 Co. Man: Quincy Lopez
 Co. Man Sig: [Signature]
 Notes: _____

Sales Tax (6.15%)	\$168.02
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TOTAL	\$20,018.02
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JOB SUMMARY			PROJECT NUMBER SOK 4179	TICKET DATE 09/11/14
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Luis Garza	
LEASE NAME Hank 3408	Well No. 1-36H	JOB TYPE Surface	EMPLOYEE NAME marcos quintana	

EMP NAME					
Marcos Quintana		0			
vantray					
Roy Morris					
Dustin Odum					

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 80 Pressure _____
 Retainer Depth _____ Total Depth 850

Date	Called Out 9/10/2014	On Location 9/11/2014	Job Started 9/11/2014	Job Completed 9/11/2014
Time	2000	0300	0700	0820

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			From	To	Max. Allow
	New/Used	Weight	Size Grade			
Casing		36#	9 5/8"	Surface	850	1,500
Liner						
Liner			0			
Tubing						
Drill Pipe						
Open Hole			12 1/4"	Surface	850	Shots/Ft.
Perforations						
Perforations						
Perforations						


Materials			
Mud Type	WBM	Density	<u>9</u> Lb/Gal
Disp. Fluid	Fresh Water	Density	<u>8.33</u> Lb/Gal
Spacer type	resh 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	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/11	4.0	9/11	2.0	Surface
Total	4.0	Total	2.0	

Pressures			
MAX	1,500 PSI	AVG.	150
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	55	Reason	SHOE JOINT

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives	11.11	2.01	12.40
1	215	FEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - 0.2% X-Air	6.32	1.32	14.80
2	195	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	*6.32	*1.32	*14.8
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary			

Summary							
Preflush		Type:	Fresh Water	10.00	Pad:Bbl -Gal	N/A	
Breakdown		MAXIMUM	1,500 PSI	N/A	Calc. Disp Bbl	60	
		Lost Returns-N	NO/FULL	74	Actual Disp.	60.00	
		Actual TOC	SURFACE	200	Disp:Bbl		
Average		Bump Plug PSI:	700	Final Circ.	PSI:	200	
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry: BBI		122.0	
				Total Volume	BBI	192.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE 

JOB SUMMARY			PROJECT NUMBER SOK 4200	TICKET DATE 09/17/14
COUNTY Harper	STATE Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Luis Garza	
LEASE NAME Hank 3408	Well No. 1-36H	JOB TYPE Intermediate	EMPLOYEE NAME Arthur Setzer	

EMP NAME					
Arthur Setzer		0			
Jared Green					
Frank Reeves					
Ron Derry					

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0 _____

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5678

Date	Called Out 9/17/2014	On Location 9/17/2014	Job Started 9/17/2014	Job Completed 9/17/2014
Time	1200	1600	2015	2300

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	5,679	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/2"		Surface	5,685'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	Fresh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
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	
9/17	7.0	9/17	3.0	Intermediate
Total	7.0	Total	3.0	

Pressures	
MAX 5,000 PSI	AVG. 1850
Average Rates in BPM	
MAX 8 BPM	AVG 8
Cement Left in Pipe	
Feet 40	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 - 0.15% 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		0.00	0.00	0.00

Summary					
Preflush Breakdown	10	Type: Caustic	Preflush: BBI	30.00	Type: Gel Spacer
		MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl - Gal N/A
		Lost Returns: NO/FULL	Excess /Return BBI	N/A	Calc. Disp Bbl 216
		Actual TOC 2,567	Calc. TOC:	2,567	Actual Disp. 216.00
Average ISIP 5 Min.		Bump Plug PSI: 1,850	Final Circ. PSI:	820	Disp:Bbl 216.00
		15 Min	Cement Slurry BBI	84.0	
			Total Volume BBI	330.00	

CUSTOMER REPRESENTATIVE *Jackie Kennedy* SIGNATURE