



INVOICE

DATE	INVOICE #
12/16/2014	5343

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	Start Date	End Date	Work Order	Rig Number	LEASE NAME	Terms
HARPER, KS	12/15/2014		3891	LARIAT 40	HUNT 3408 2-15H	Due on rec...

Description

DRILLED 100' OF 30" CONDUCTOR HOLE
 DRILLED 6' OF 76" HOLE
 FURNISHED AND SET 6' X 6' TINHORN CELLAR
 FURNISHED 100' OF 20" CONDUCTOR PIPE
 FURNISHED MUD, WATER, AND TRUCKING
 FURNISHED WELDER AND MATERIALS
 FURNISHED 10 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 \$21,000.00

AFE Number: DC 14406
 Well Name: Hunt 3408 2-15H
 Code: 850.010
 Amount: \$21,275.64
 Co. Man: Billy Smith for John Fortune
 Co. Man Sig.: _____
 Notes: _____

Sales Tax (6.15%) \$275.64

TOTAL	\$21,275.64
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JOB SUMMARY			PROJECT NUMBER SOK 4700	TICKET DATE 01/04/15
COUNTY Harper	State Kansas	COMPANY Dridge Exploration & Produc	CUSTOMER REP Cory Aleman	
LEASE NAME Hunt 3408	Well No. 2-15H	JOB TYPE Surface	EMPLOYEE NAME Joseph Klemm	

EMP NAME					
Joseph Klemm	0				
Cody Bonitz					
Blake Hayworth					
David Settlemier					

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 80 Pressure _____
 Retainer Depth _____ Total Depth 849'

Date	Called Out 1/3/2015	On Location 1/4/2015	Job Started 1/4/2015	Job Completed 1/4/2015
Time	2100	0000	0830	1400

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
Casing		36#	9 1/2"		Surface	849'
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	849'
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.	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	
1/4	14.0	1/4	5.5	Surface
Total	14.0	Total	5.5	

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

Pressures		
MAX	2000 PSI	AVG. 300
Average Rates in BPM		
MAX	5 BPM	AVG 4.5
Cement Left in Pipe		
Feet	39	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	520	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary			
Preflush	10.00	Type: Fresh Water	
Breakdown	MAXIMUM 2000 PSI	Load & Bkdn: Gal - BBI	N/A
	Lost Returns - NO/FULL	Excess /Return BBI	63
	Actual TOC SURFACE	Calc. TOC:	63.00
Average	Bump Plug PSI: 1,000	Final Circ. PSI:	400
ISIP 5 Min.	10 Min.	Cement Slurry BBI	122.2
	15 Min.	Total Volume BBI	195.20

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 4729	TICKET DATE 01/12/15
COUNTY Harper	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Jackie Kennedy	
LEASE NAME Hunt 3408	Well No. 2-15H	JOB TYPE Intermediate	EMPLOYEE NAME Mike Hall	

EMP NAME	Mike Hall	0					
	Cheryl Newton						
	David Settlemier						
	Paul Thomas						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5,578'**

Date	Called Out 1/12/2015	On Location 1/12/2015	Job Started 1/12/2015	Job Completed 1/12/2015
Time		0800	1215	1400

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			26#	7"		Surface	5,553'	5,000
Liner								
Liner								
Tubing				0				
Drill Pipe								
Open Hole				8 3/4"		Surface	5,578'	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 Spacer	BBL.	30 , 8.70
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	
1/12	6.0	1/12	1.0	Intermediate
Total	6.0	Total	1.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures		
MAX	5,000 PSI	AVG. 400
Average Rates in BPM		
MAX	8 BPM	AVG. 4.5
Cement Left in Pipe		
Feet	44'	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	225	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.3% 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	0.00	0.00

Summary							
Preflush Breakdown	30	Type: MAXIMUM	Gel Spacer 5,000 PSI	Preflush: BBI	30.00	Type: Gel Spacer	N/A
		Lost Returns-† NO/FULL		Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A	N/A
		Actual TOC 2,710"		Excess /Return BBI	N/A	Calc. Disp Bbl 211	
Average		Bump Plug PSI: 1,600		Calc. TOC: 2,710"		Actual Disp. 211.00	
ISIP	5 Min.	10 Min 15 Min		Final Circ. PSI: 900		Disp:Bbl 211.00	
				Cement Slurry BBI	78.0		
				Total Volume BBI	319.00		

CUSTOMER REPRESENTATIVE

SIGNATURE

