



INVOICE

DATE	INVOICE #
11/30/2014	5311

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	Rlg Number	LEASE NAME	Terms
COMANCHE, ...	11/29/2014		3872	LATSHAW 27	WANDA 3318 1-2H	Due on rec...

Description

DRILLED 150' OF 30" CONDUCTOR HOLE
 DRILLED 6' OF 76" HOLE
 FURNISHED AND SET 6' X 6' TINHORN CELLAR
 FURNISHED 150' OF 20" CONDUCTOR PIPE
 FURNISHED MUD, WATER, AND TRUCKING
 FURNISHED WELDER AND MATERIALS
 FURNISHED 15 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE
 FURNISHED 4 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE
 FURNISHED GROUT PUMP
 DRILL MOUSE HOLE
 FURNISHED 85' OF 16" CONDUCTOR PIPE

TOTAL BID \$26,000.00

AFE Number: DC 14323
 Well Name: Wanda 3318 1-2H
 Code: 850.010
 Amount: \$26,374.97
 Co. Man: John Fortune
 Co. Man Sig: [Signature]
 Notes: _____

Sales Tax (6.15%) \$374.97

TOTAL \$26,374.97

JOB SUMMARY			PROJECT NUMBER SOK 4600	TICKET DATE 12/11/14
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP 281-617-4391	
LEASE NAME Wanda 3318	Well No. 1-2H	JOB TYPE Surface	EMPLOYEE NAME Bryan Douglas	

EMP NAME					
Bryan Douglas					
Dustin Odom					
Evan Ratcliff					
Blake Hayworth					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 803

	Called Out	On Location	Job Started	Job Completed
Date	12/10/2014	12/10/2014	12/10/2014	12/10/2014
Time	1400	1700	0200	0500

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
Casing		36#	9 5/8"		Surface	803
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	796
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Wate	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	
Perpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/10	7.0	12/11	3.0	Surface
12/11	5.0			FLOATS HELD
				1/2 BBL BACK
				58 BBLs CEMENT BACK
Total	12.0	Total	3.0	

Pressures	
MAX	1,500 PSI
AVG.	100
Average Rates in BPM	
MAX	6 BPM
AVG.	4
Cement Left in Pipe	
Feet	43
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	550	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
2	0			0.00	0.00	0.00
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	<u>10</u>	Type:	Fresh Water	Preflush:	BBI <u>10.00</u>
		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI <u>N/A</u>
		Lost Returns-N	NO/FULL	Excess /Return	BBI <u>58</u>
		Actual TOC	SURFACE	Calc. TOC:	<u>SURFACE</u>
Average		Bump Plug PSI:	900	Final Circ.	PSI: <u>400</u>
ISI:P	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI <u>129.3</u>
				Total Volume	BBI <u>198.01</u>

CUSTOMER REPRESENTATIVE: JOB SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 4638	TICKET DATE 12/18/14
COUNTY Comanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Vince Brown	
LEASE NAME Wanda 3318	Well No. 1-2H	JOB TYPE Intermediate	EMPLOYEE NAME John Hall	

EMP NAME John Hall	Wallace Berry			
Roy Morris				
Joe Colonnese				
Kevin Canada				

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **155** Pressure _____
 Retainer Depth _____ Total Depth **5,720'**

Date	Called Out 12/18/2014	On Location 12/18/2014	Job Started 12/18/2014	Job Completed 12/18/2014
Time	400am	830am	215pm	430

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		26#	7"	Surface	
Liner					
Liner					
Tubing			0		
Drill Pipe					
Open Hole			8 7/8"	Surface	5,720'
Perforations					Shots/Ft.
Perforations					
Perforations					

Materials			
WBM	Density	Qty	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	
12/18	8.0	12/18	2.0	Intermediate
Total	8.0	Total	2.0	

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

Pressures		
MAX	5,000 PSI	AVG. 600PSI
Average Rates in BPM		
MAX	8	AVG 6 BBL/S
Cement Left in Pipe		
Feet	44	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	150	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	10	Type: Caustic	Preflush: BBI	30.00	Type: Gel Spacer
		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns: PARTIAL	Excess /Return BBI	N/A	Calc.Disp Bbl 218
Average		Actual TOC 3.613	Calc. TOC: 3.613	3.613	Actual Disp. 218.00
ISIP	5 Min.	Bump Plug PSI: 1,200	Final Circ. PSI:	800	Disp:Bbl 218.00
	10 Min		Cement Slurry BBI	59.4	
	15 Min		Total Volume BBI	307.39	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____