



INVOICE

DATE	INVOICE #
9/16/2013	4215

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	9/16/2013	3278	UNIT 9	OLIVER 3306 1-14H	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 1 LOAD(S) MUD
 FURNISHED WELDER AND MATERIALS
 FURNISHED 11 YARDS OF GRADE A CEMENT
 FURNISHED GROUT PUMP
 DRILL MOUSE HOLE
 FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE

TOTAL BID \$ 17,000.00

Sales Tax (6.15%)	\$161.62
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TOTAL	\$17,161.62
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JOB SUMMARY			PROJECT NUMBER SOK 3067	TICKET DATE 10/02/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Quincy Loven	
LEASE NAME Oliver	Well No. I306 1-14	JOB TYPE Surface	EMPLOYEE NAME ROBERT BURRIS	

EMP NAME					
Robert Burris		0			
Mike Hall					
Vontray Watkins					
Cheryl Newton					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 649

Date	Called Out	On Location	Job Started	Job Completed
	10/1/2013	10/1/2013	10/2/2013	10/2/2013
Time	21:00	23:30	02:06	03:40

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	654
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	649
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	Fresh Water BBL.		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	
10/1	4.0	10/2	0.7	Surface
Total	4.0	Total	0.7	

Pressures			
MAX	1,500 PSI	AVG	300
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	230	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - .5% C-41P	11.11	2.01	12.40
2	140	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps 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	Type: Fresh Water
		Lost Returns-N _____	Actual TOC _____	NO/FULL	Load & Bkdn: Gal - BBI _____	N/A	Pad:Bbl -Gal _____
		Bump Plug PSI: _____	5 Min. _____	800	Excess /Return BBI _____		Calc. Disp Bbl _____
		10 Min. _____	15 Min. _____		Calc. TOC: _____	SURFACE	Actual Disp. _____
					Final Circ. PSI: _____	300	Disp:Bbl _____
					Cement Slurry: BBI _____	115.0	
					Total Volume BBI _____	171.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 3092	TICKET DATE 10/08/13
COUNTY Harper	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Quincey Loven	
LEASE NAME Oliver 3306	Well No. 1-14H	JOB TYPE Intermediate	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME					
L. ARNEY		0			
M. QUINTANA					
D. TEWELL					
F. HELKENA					

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 155 Pressure _____
 Retainer Depth _____ Total Depth 5185

Date	Called Out	On Location	Job Started	Job Completed
	10/8/2013	10/8/2013	10/8/2013	10/8/2013
Time	0900	1530	1746	2000

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	Max. Allow
Casing			26#	7"		Surface		5,000
Liner								
Liner								
Tubing				0				
Drill Pipe								
Open Hole				8 1/2"		Surface	5,185	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	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
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/8	4.5	10/8	1.3	Intermediate
Total	4.5	Total	1.3	

Pressures			
MAX	5,000 PSI	AVG.	400
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	90	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	220	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 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 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-N NO/FULL	Excess /Return BBI	N/A	Calc. Disp Bbl	194
		Actual TOC	Calc. TOC:		Actual Disp.	192.00
Average		Bump Plug PSI: 1.700	Final Circ. PSI:	500	Disp:Bbl	
isir	5 Min.	10 Min	Cement Slurry: BBI	77.0		
		15 Min	Total Volume BBI	299.00		

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____