

JOB SUMMARY			PROJECT NUMBER SOK 3480	TICKET DATE 03/08/14
COUNTY Sumner	State Kansas	COMPANY Hridge Exploration & Produc	CUSTOMER REP Bill Tomlinson	
LEASE NAME Blitzberg SWD 3404	Well No. 1-30	JOB TYPE Surface	EMPLOYEE NAME Bryan Douglas	

EMP NAME					
Bryan Douglas		0			
Rocky Anthis					
Paul Thomas					
0.00					

Form. Name _____ Type: _____
Packer Type _____ Set At **0**
Bottom Hole Temp. **80** Pressure _____
Retainer Depth _____ Total Depth **550**

Date	Called Out	On Location	Job Started	Job Completed
	3/8/2014	3/8/2014	3/8/2014	3/8/2014
Time	1600	1900	2200	2400

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		24#	8 1/2"		Surface	550	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	550	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.	10
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	
3/8	5.0	3/8	2.0	Surface
Total	5.0	Total	2.0	

Pressures			
MAX	1,500 PSI	AVG.	100
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	155	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - .4% C-41P	11.11	2.01	12.40
2	200	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary								
Preflush	10	Type:	Fresh Water	Preflush:	BBI	10.00	Type:	Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	45	Calc. Disp Bbl	31
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp.	30.69
Average		Bump Plug PSI:	600	Final Circ.	PSI:	100	Disp:Bbl	30.69
ISIF	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI	102.5		
				Total Volume	BBI	143.20		

CUSTOMER REPRESENTATIVE Bill Tomlinson SIGNATURE

JOB SUMMARY

COUNTRY Harper	State Kansas	COMPANY Sandridge Exploration & Production	PROJECT NUMBER SOK 3517	TICKET DATE 03/16/14
LEASE NAME Blitzberg SWD 3404	Well No. 1-30	JOB TYPE Intermediate	CUSTOMER REP Bill Tomlinson	
EMP NAME John Hall			EMPLOYEE NAME John Hall	

John Hall	0		
Joseph Klemm			
Roy Morris			
Randall Irvin			

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5,258'

Date	Called Out	On Location	Job Started	Job Completed
	3/16/2014	3/16/2014	3/16/2014	3/16/2014
Time	330am	630am	1030am	100pm

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		17#	5 1/2"		Surface	
Liner						5,258
Liner						
Tubing						
Drill Pipe			0			
Open Hole			7 7/8"		Surface	5,258'
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	fresh Water BBL.	20	8.33
Spacer type	GEL	30	10.00
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	
3/16	6.5	3/16	2.5	Intermediate
Total	6.5	Total	2.5	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

MAX 5,000 PSI	AVG. Pressures
MAX 7 BPM	AVG. Average Rates in BPM
Feet 41	Reason SHOE JOINT

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	435	O-Tex Lite Premium 65/35	(Class H) - 6% Gel - 0.2% FL-17 - 0.1% C-20 - 0.4% C-41P - 1/4 pps Celloflake	10.02	1.87	12.70
2	170	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		0.00	0.00	0.00

Preflush Breakdown Average 15IP 5 Min.	Type: _____ MAXIMUM 5,000 PSI Lost Returns: _____ Actual TOC _____ Bump Plug PSI: _____ 10 Min _____ 15 Min _____	Summary Preflush: BBI 30.00 Load & Bkdn: Gal - BBI N/A Excess /Return BBI N/A Calc. TOC: _____ Final Circ. PSI: _____ Cement Slurry BBI 180.8 Total Volume BBI 331.80	Type: _____ Gel Spacer Pad:Bbl -Gal N/A Calc. Disp Bbl 121 Actual Disp. 121.00 Disp:Bbl 121.00
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CUSTOMER REPRESENTATIVE SIGNATURE



INVOICE

DATE	INVOICE #
1/31/2014	4535

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	1/31/2014	3465	TOMCAT 2	BLITZBERG 3404 1-30	Due on rec...

Description	
DRILLED 60' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 60' OF 20" CONDUCTOR PIPE FURNISHED WELDER AND MATERIALS FURNISHED 5 YARDS OF GRADE A CEMENT DRILL RAT AND MOUSE HOLES TOTAL BID \$10,306.38	

Sales Tax (6.15%)	\$76.38
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TOTAL	\$10,326.38
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