EDGE SERVICES
580-254-3216
Woodward, OK

INVOICE

DATE	INVOICE #
5/20/2013	3949

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
BARBER, KS	5/20/2013	3126	UNIT 310	4J RANCH 3408 2-33H	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 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 (7.3%)	$202.79
TOTAL	$17,202.79

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 3000762	**Quote #:**	**Sales Order #:** 900471243
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: 4J Ranch 3408	**Well #:** 2-33H		**API/UWI #:**
Field:	**City (SAP):** WALDRON	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 16 Township 33S Range 6W			
Contractor: UNIT	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: FRENCH, JEREMY	**Srvc Supervisor:** DAVIS, ROBERT	**MBU ID Emp #:** 458886	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DAVIS, ROBERT T	6	458886	MARTIN, GREGORY Franklin	6	394376	STOOPS, LEVI Keith	6	523378
TAVAI, MASON T	6	423521						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
06-02-2013	6	4						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	788.7 ft	**Job Depth TVD**	788.7 ft		
Water Depth		**Wk Ht Above Floor**	8. ft		
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	02 - Jun - 2013	05:00	CST
On Location	02 - Jun - 2013	11:15	CST
Job Started	02 - Jun - 2013	13:19	CST
Job Completed	02 - Jun - 2013	14:17	CST
Departed Loc	02 - Jun - 2013	16:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25				80.	800.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	800.		
Preset Conductor	Unknown		20.	19.124	94.			.	80.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	HLC STANDARD	EXTENDACEM (TM) SYSTEM (452981)	250.0	sacks	12.4	2.11	11.64		11.64
3 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.25 lbm		POLY-E-FLAKE (101216940)							
11.637 Gal		FRESH WATER							
3	STANDARD	SWIFTCEM (TM) SYSTEM (452990)	150.0	sacks	15.6	1.2	5.32		5.32
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.125 lbm		POLY-E-FLAKE (101216940)							
5.319 Gal		FRESH WATER							
4	Displacement			bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	57	Shut In: Instant		Lost Returns	0	Cement Slurry	126	Pad	
Top Of Cement	0	5 Min		Cement Returns	68	Actual Displacement	57	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	193

Rates							
Circulating		Mixing	5	Displacement	5.5	Avg. Job	5

Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint

Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 3004611	**Quote #:**	**Sales Order #:** 900522954
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: 4J Ranch 3408	**Well #:** 3-33H		**API/UWI #:** 15-077-21931
Field:	**City (SAP):** WALDRON	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 33 Township 34S Range 8W			
Contractor: UNIT	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	**Job Type:** Cement Intermediate Casing		
Sales Person: FRENCH, JEREMY	**Srvc Supervisor:** VAUGHAN, RYAN	**MBU ID Emp #:** 453194	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
STOOPS, LEVI Keith	4	523378	TORRES, DIEGO Lopez	4	390647	VAUGHAN, RYAN Nicholas	4	453194

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/22/13	4	1						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	5515. ft	**Job Depth TVD**	5514. ft
Water Depth		**Wk Ht Above Floor**	5. ft
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	22 - Jun - 2013	12:00	CST
On Location	22 - Jun - 2013	18:00	CST
Job Started	22 - Jun - 2013	00:00	CST
Job Completed	22 - Jun - 2013	02:00	CST
Departed Loc	22 - Jun - 2013	00:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				800.	5515.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5515.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	800.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	hes
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	hes
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Water		30.00	bbl	8.33	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	140.0	sacks	13.6	1.51	7.34		7.34
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 %	BENTONITE, BULK (100003682)							
	7.337 Gal	FRESH WATER							
3	Premium	HALCEM (TM) SYSTEM (452986)	190.0	sacks	15.6	1.18	5.2		5.2
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	5.197 Gal	FRESH WATER							
4	Displacement		206.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	206	Shut In: Instant		Lost Returns	0	Cement Slurry	78	Pad	
Top Of Cement	3447	5 Min		Cement Returns	0	Actual Displacement	206	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	

Rates							
Circulating		Mixing	4.5	Displacement	7	Avg. Job	6

Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature