



**\*\*\*Conductor, Rat and Mouse Hole Drilling Services\*\*\***

**Ticket**

Company:

Date: 9/4/2012

**Sandridge**

<b>Drill Rig:</b> Lariate 3	<b>Location:</b> Finney County	<b>Lease Name:</b> Sanderegger 2331 #1-13H
<b>120' of 30" Drilled Conductor Hole</b> <b>120' of 20" Conductor Pipe(.200 wall) 82ppf</b> <b>8'x6' Cellar Tinhorn W/Protective Ring</b> <b>Drill &amp; Install cellar</b> <b>75' of 20" Drilled Moushole</b> <b>75' of 16" Moushole Pipe</b> <b>Mobilization of Equipment &amp; Road Permitting Fee</b> <b>Welding Services for Pipe &amp; Lids</b> <b>Provided Equipment &amp; Labor for Dirt Removal</b> <b>Provided Personal to Facilitate Diggtess(One Call)</b> <b>Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe)</b> <b>13 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe</b>		Sanderegger 2331 1-13H AFE# DC12307 AFE Number: <u>12307</u> Well Name: <u>Sanderegger 2331 1-13</u> Code: <u>850-010</u> Amount: <u>28680</u> Cp. Man: <u>[Signature]</u> Co. Man Sig.: <u>[Signature]</u> Notes: _____
<b>Comments:)</b> Thank You For Your Business If a caving formation and (or) water is found addition fee(s) will be add to cover the cost of tank trucks, vacuum trucks, and cement pump trucks. Prices figured on non-rocky soil conditions, if rock is present then there will be a surcharge.		<b>Total \$28,680.00</b>

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2951405	Quote #:	Sales Order #: 9823001
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Tommy, Mr.	
Well Name: Sondregger 2331	Well #: 1-13H	API/UWI #: 15-055-22177	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 13 Township 23S Range 31W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	8.5	267804	CARRILLO, EDUARDO Carrillo	8.5	371263	LUNA, JOSE A	8.5	480456
RAMIREZ, JORGE M.	8.5	498481						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10286731	70 mile	10741245	70 mile	10744298C	70 mile	10866807	70 mile
10988832	70 mile	11019295	70 mile	11133699	70 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9-17-2012	2	1	9-18-2012	6.5	2			

TOTAL Total is the sum of each column separately

### Job

### Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	17 - Sep - 2012	14:30	CST
Form Type		BHST	Job Started	17 - Sep - 2012	22:00	CST
Job depth MD	1800. ft	Job Depth TVD	Job Completed	18 - Sep - 2012	03:34	CST
Water Depth		Wk Ht Above Floor	Departed Loc	18 - Sep - 2012	05:20	GMT
Perforation Depth (MD)	From	To		18 - Sep - 2012	06:50	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					1440.		
12.25" Open Hole- Lower				12.25				1440.	1800.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1800.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	H
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	H
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 ft <sup>3</sup> /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	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	425.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	190.0	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/tbc		136.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	136	Shut In: Instant		Lost Returns	0	Cement Slurry	202	Pad	
Top Of Cement	Surface	5 Min		Cement Returns	30	Actual Displacement	136	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	348
Rates									
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6		
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		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

The Road to Excellence Starts with Safety

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 2951405	<b>Quote #:</b>	<b>Sales Order #:</b> 9855178
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Mr., Tommy	
<b>Well Name:</b> Sonderegger 2331		<b>Well #:</b> 1-13H	<b>API/UWI #:</b> 15-055-22177
<b>Field:</b>	<b>City (SAP):</b> GARDEN CITY	<b>County/Parish:</b> Finney	<b>State:</b> Kansas
<b>Legal Description:</b> Section 13 Township 23S Range 31W			
<b>Contractor:</b> Lariat		<b>Rig/Platform Name/Num:</b> 3	
<b>Job Purpose:</b> Cement Intermediate Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Intermediate Casing	
<b>Sales Person:</b> NGUYEN, VINH		<b>Srvc Supervisor:</b> RODRIGUEZ, EDGAR <b>MBU ID Emp #:</b> 442125	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LOPEZ, CRISTIAN Adrian	7.5	488085	MENDOZA, VICTOR	10.5	442596	RODRIGUEZ, EDGAR Alejandro	10.5	442125
THOMPSON, RAYLAND Heath	7.5	476826	TORRES, CLEMENTE	10.5	344233			

### 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
9/29/2012	1	1	9/30/2012	9.5	2			
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					29 - Sep - 2012	16:00	CST
					29 - Sep - 2012	20:00	CST
	5343. ft		5341. ft		30 - Sep - 2012	06:56	CST
			9. ft		30 - Sep - 2012	08:04	CST
					30 - Sep - 2012	09:25	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				1800.	5315.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5315.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1800.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS	1	EA		

### 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



# HALLIBURTON

## Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	200.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement (TBC)		201.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	201	Shut In: Instant		Lost Returns		Cement Slurry	76	Pad	
Top Of Cement	2631.88	5 Min		Cement Returns		Actual Displacement	201	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	307
<b>Rates</b>									
Circulating	5	Mixing	5	Displacing	6	Avg. Job	5		
Cement Left In Pipe	Amount	89.32 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2951405	Quote #:	Sales Order #: 9872658
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ??, Jessie	
Well Name: Sonderegger 2331	Well #: 1-13H	API/UWI #: 15-055-22177	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 13 Township 23S Range 31W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: DURAN, EDUR	MBU ID Emp #: 445769

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DUCSAK, JAMES Joseph	16	518883	DURAN, EDUR	16	445769	REYES GANDARA, JUAN Armando	16	440529
RODRIGUEZ, BENITO	16	519090						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10872308	70 mile	11027051	70 mile	11256865	70 mile	11288858	70 mile
11566184	70 mile	11715921	70 mile	11748313	70 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/06/2012	8	8						
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	9161. ft	BHST	9161. ft	On Location	06 - Oct - 2012	14:00	CST
Job depth MD	9161. ft	Job Depth TVD	9161. ft	Job Started	06 - Oct - 2012	17:00	CST
Water Depth		Wk Ht Above Floor	2. ft	Job Completed	06 - Oct - 2012	20:00	CST
Perforation Depth (MD)	From	To		Departed Loc	06 - Oct - 2012	22:00	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
6.125" Open Hole				6.125				5315.	9268.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	4915.	9268.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5315.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4915.		

### Tools and Accessories

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



# HALLIBURTON

## Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.3	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	500.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Displacement/TB C		120.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	110	Shut In: Instant		Lost Returns		Cement Slurry	177	Pad	
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	110	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing	4	Displacement	5	Avg. Job			4.5
Cement Left In Pipe	Amount	88 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					