



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

**Ticket**

Date: 7/7/2012

Company:

Sandridge

Drill Rig: Unit 310	Location: Harper County	Lease Name: Vornaus 2-18 H	DC12033
<p>100' of 30" Drilled Conductor Hole          100' of 20" Conductor Pipe (1/250 wall) 82ppf          6'x6' Cellar Trench W/Protective Ring          Drill &amp; Install cellar          75' of 20" Drilled Moushole          75' of 16" Moushole Pipe          Mobilization of Equipment &amp; Road Permitting Fee          Welding Services for Pipe &amp; Lids          Provided Equipment &amp; Labor for Dirt Removal          Provided Personal to Facilitate Diggtess(One Call)          Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe)          11 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe</p>		<p>AFE Number: DC12033          Well Name: Vornaus 2-18 H          Code: 830.035          Amount: \$ 199.50          Co. Man: <i>[Signature]</i>          Co. Man Sig.: <i>[Signature]</i>          Notes:</p>	
<p>Comments:          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.</p>			<p>Total \$19,950.00</p>

The Road to Excellence Starts with Safety

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 2939737	<b>Quote #:</b>	<b>Sales Order #:</b> 9672895
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Edwards, Tripp	
<b>Well Name:</b> Vornauf		<b>Well #:</b> 2-18H	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> ANTHONY	<b>County/Parish:</b> Harper	<b>State:</b> Kansas
<b>Legal Description:</b> Section 07 Township 35S Range 07W			
<b>Contractor:</b> Unit Drilling *		<b>Rig/Platform Name/Num:</b> 310	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> NGUYEN, VINH		<b>Srvc Supervisor:</b> LEACH, CLIFFORD	<b>MBU ID Emp #:</b> 475738

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
FINDLEY, GARED A	6	520137	LEACH, CLIFFORD Alfred	6	475738	MALMGREN, AARON M	6	514066
MILLER, ARNOLD Ray	6	520488	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
7-17-12	6							

**TOTAL** Total is the sum of each column separately

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	17 - Jul - 2012	17:00	CST
<b>Form Type</b>			BHST	Job Started	17 - Jul - 2012	21:02	CST
<b>Job depth MD</b>	1000. ft		<b>Job Depth TVD</b>	Job Completed	17 - Jul - 2012	21:52	CST
<b>Water Depth</b>			<b>Wk Ht Above Floor</b>	Departed Loc	17 - Jul - 2012	23:00	CST
<b>Perforation Depth (MD)</b>	<b>From</b>		<b>To</b>				

### 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				.	850.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	850.		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		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 ft <sup>3</sup> /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 ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water		10	bbl	8.33	.0	.0	.0		
2	Halliburton Light Standard	EXTENDACEM (TM) SYSTEM (452981)	220	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	Standard	SWIFTCEM (TM) SYSTEM (452990)	200	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		61	bbl	8.33	.0	.0	.0		
Calculated Values		Pressures			Volumes					
Displacement	61	Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement	61	Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing	5	Displacement	7	Avg. Job	6			
Cement Left In Pipe	Amount	46.39 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						

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2939737	Quote #:	Sales Order #: 9687487
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Edwards, Tripp	
Well Name: Vornauf	Well #: 2-18H	API/UWI #: 15-077-21859	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 7 Township 35S Range 7W			
Contractor: Unit Drilling *		Rig/Platform Name/Num: Unit 310	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: JOHNSON, ROBERT	MBU ID Emp #: 418417

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
APPLEBEE, SCOTT J	26	521237	CRAWFORD, ANDREW B	26	480612	JOHNSON, ROBERT David	26	418417
PARAMORE, MARTY Steven	26	429352						

### 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
07/23/2012	4	0	07/24/2012	11.5	3.5			
TOTAL			<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
				On Location	23 - Jul - 2012	12:30	CST
Form Type			BHST	On Location	23 - Jul - 2012	19:00	CST
Job depth MD	5405. ft		Job Depth TVD	5405. ft	Job Started	24 - Jul - 2012	08:11
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	24 - Jul - 2012	09:17
Perforation Depth (MD)	From		To		Departed Loc	24 - Jul - 2012	11:30

### 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				850.	5325.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5325.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	850.		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	5W
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	QL
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

# HALLIBURTON

# Cementing Job Summary

1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	50/50 Poz - Standard	ECONOCEM (TM) SYSTEM (452992)	110.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, 50 LB BAG (100064232)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Premium	HALCEM (TM) SYSTEM (452986)	180.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, 50 LB BAG (100064232)							
	5.076 Gal	FRESH WATER							
4	Displacement		203.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	203	Shut In: Instant		Lost Returns	0	Cement Slurry	68	Pad	
Top Of Cement	2989	5 Min		Cement Returns	0	Actual Displacement	203	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	4	Mixing	4	Displacement	6	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		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					