



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

Ticket

Company:

Date: 8/21/2012

Sandridge

Drill Rig: Tomcat 3	Location: Ford County	Lease Name: Kerla #1-1SWD
120' of 30" Drilled Conductor Hole 120' of 20" Conductor Pipe(.250 wall) 82ppf 6'x6' Cellar Tinhorn W/Protective Ring Drill & Install cellar 20' of 20" Drilled Moushole 20' of 16" Moushole Pipe 40' of 20" Drilled Rathole 40' of 16" Pipe Mobilization of Equipment & Road Permitting Fee Welding Services for Pipe & Lids Provided Equipment & Labor for Dirt Removal Provided Personal to Facilitate Diggness(One Call) Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe) 12 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe		KARLA #1 AFE#DC12133 AFE Number: <u>DC12133</u> Well Name: <u>Karla 1-1</u> Code: <u>850-010</u> Amount: <u>21,500.<sup>00</sup></u> Co. Man: <u>[Signature]</u> Co. Man Sig: <u>[Signature]</u> Notes: "
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.		Total: \$21,500.00

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2949664	Quote #:	Sales Order #: 9795880
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Solis, Lu	
Well Name: Karla 2922 1	Well #: 1 SWD	API/UWI #:	
Field:	City (SAP): FORD	County/Parish: Finney	State: Kansas
Contractor: TOMCAT	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: JIMENEZ, JESUS	MBU ID Emp #: 221813	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JIMENEZ, JESUS Medrano	6.8	221813	LAYNE, OLANDIS	6.8	517538	THOMPSON, RAYLAND	6.8	476826
TREJO, NOE	6.8	456243						

### 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
9-6-12	7	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
				On Location	05 - Sep - 2012	16:00	CST
Form Type			BHST	On Location	06 - Sep - 2012	00:10	CST
Job depth MD	1105. ft		Job Depth TVD	Job Started	06 - Sep - 2012	03:00	CST
Water Depth			Wk Ht Above Floor	Job Completed	06 - Sep - 2012	04:00	CST
Perforation Depth (MD)	From		To	Departed Loc	06 - Sep - 2012	07:00	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					1106.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1105.		

### 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		
SUGAR - GRANULATED	100	LB		

### 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			
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

<b>Stage/Plug #: 1</b>
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# 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	Fresh Water		10.00	bbl	8.33	.0	.0	4	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	285.0	sacks	12.4	2.12	11.68	5	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)	160.0	sacks	15.6	1.2	5.32	5	5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement (TBC)		75.00	bbl	8.33	.0	.0	5	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	75	Shut In: Instant		Lost Returns	0	Cement Slurry	142	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	75	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing	5	Displacement	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		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021		Ship To #: 2949664		Quote #:		Sales Order #: 9826257							
Customer: SANDRIDGE ENERGY INC EBUSINESS				Customer Rep: Robles, Ricky									
Well Name: Karla 2922 SWD			Well #: 1-1		API/UWI #: 15-057-20835								
Field:		City (SAP): FORD		County/Parish: Ford		State: Kansas							
Legal Description: Section 1 Township 29S Range 22W													
Contractor: TOMCAT			Rig/Platform Name/Num: 3										
Job Purpose: Cement Intermediate Casing													
Well Type: Development Well				Job Type: Cement Intermediate Casing									
Sales Person: NGUYEN, VINH			Srcv Supervisor: KLAUSE, JOHN		MBU ID Emp #: 456246								
<b>Job Personnel</b>													
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #						
KLAUSE, JOHN David		11	456246	NASH, JONATHAN Clark		11	524600						
WIFA, HENRY Neniebari		11	491916										
<b>Equipment</b>													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way						
11706683	85	10995019	85	10990703	85	11019295	85						
<b>Job Hours</b>													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours						
9-22/23	11	5											
<b>TOTAL</b>				Total is the sum of each column separately									
<b>Job</b>				<b>Job Times</b>									
Formation Name				Date	Time	Time Zone							
Formation Depth (MD) Top		Bottom		Called Out	9-22	1200							
Form Type		BHST		On Location	9-22	2100							
Job depth MD		6236. m		Job Depth TVD	6236. m	Job Started	9-23 0500						
Water Depth		Wk Ht Above Floor		Job Completed	9-23	0700	GMT						
Perforation Depth (MD) From		To		Departed Loc	9-23	0900							
<b>Well Data</b>													
Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m		
8.75" Open Hole				8.75				1000.	6236.				
7" Intermediate Casing Lower	Unknown		7.	6.314	24.8			6196.	6236.				
7" Intermediate Casing Upper	Unknown		7.	6.276	26.	BTC	J-55	.	6196.				
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1000.				
<b>Sales/Rental/3<sup>rd</sup> Party (HES)</b>													
Description						Qty	Qty uom	Depth	Supplier				
PLUG,CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS						1	EA						
<b>Tools and Accessories</b>													
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			
<b>Miscellaneous Materials</b>													
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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	190.0	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)	80.0	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)		236.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	236	Shut In: Instant	1748	Lost Returns	0	Cement Slurry	52/17	Pad	
Top Of Cement	3783	5 Min		Cement Returns	0	Actual Displacement	236	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown	0	Total Job	
<b>Rates</b>									
Circulating	5	Mixing	6	Displacement	7	Avg. Job	7		
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		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					