

# Koda Services, Inc.

# INVOICE

Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

Date	Invoice #
9/12/2013	10805

<p>Bill To</p> <p>Sandridge Energy Accounts Payable P O Box 1748 Oklahoma City, OK 73102</p>
--

Art. DC 13149  
 Well No. MURRAY 3406 2-5H  
 Contact 830.210  
 Account # 20195  
 On Hand MICHAEL KUKATSKY  
 Co. M. T. *[Signature]*  
 Notes:

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
Sec.5-34S-6W Ha...	Chuck	Net 30	8151	Murray 3406 2-5	Unit 310

Item	Quantity	Description
Conductor	90	Drilled 90' of 32" hole for conductor
20" Pipe	90	Furnished 90' of 20" conductor pipe
Ream Hole		Ream Hole
72" X 6'	1	Furnished 6' X 6' tinhorn
Dirt Removal		Provided Labor and Equipment for dirt removal and cleanup
Mud/Water		Furnished Mud, Water, & Trucking
Welder		Welder
Grout		Furnished grout
Deliver Grout		Deliver grout to location
Equipment		Furnished Grout Pump & Flush
Mouse	80	Drilled 80' of 26" Mouse hole
16" pipe	80	Furnished 80' of 16" Mouse Hole Pipe
Cover Plate		Cover Plate
Safety Ring		Safety Ring

Thank you for your business.	<b>Subtotal</b>	\$19,701.00
	<b>Sales Tax (6.15%)</b>	\$493.57
	<b>Total</b>	\$20,194.57

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SEP 23 2013

**HALLIBURTON**

**Cementing Job Summary**

REGULATORY DEPT  
SANDRIDGE ENERGY

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3104983	Quote #:	Sales Order #: 900737395
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Murray 3406	Well #: 2-5H	API/UWI #: 15-077-21958	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 5 Township 34S 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		Srcv Supervisor: UNDERWOOD, BILLY MBU ID Emp #: 159068	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
STINNETT, MARK	5	507278	STOOPS, LEVI Keith	5	523378	UNDERWOOD, BILLY	6.5	159068

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10261039	100 mile	10804555	100 mile	10825967	100 mile	11288856	100 mile
11706678	100 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9-13-13	2	0	9-14-13	3	1			

TOTAL Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Formation Depth (MD)	Top	Bottom	Date	Time	Time Zone	
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	13 - Sep - 2013	18:00 CST	
Form Type	Job depth MD	650. ft	Job Depth TVD	650. ft	On Location	13 - Sep - 2013	21:00 CST
Water Depth	Wk Ht Above Floor			Job Started	14 - Sep - 2013	01:20 CST	
Perforation Depth (MD)	From	To		Job Completed	14 - Sep - 2013	02:05 CST	
				Departed Loc	14 - Sep - 2013	03:00 CST	

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25				80.	650.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	650.		
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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

**Miscellaneous Materials**

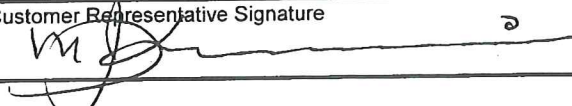
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

**Fluid Data**

Stage/Plug #: 1											
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbf/gal	Yield ft <sup>3</sup> /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 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)	210.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.681 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	150.0	sacks	15.6	1.19	5.3		5.3
	1 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.302 Gal	FRESH WATER							
4	Displacement		47.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	44	Shut In: Instant		Lost Returns		Cement Slurry	78/32	Pad	
Top Of Cement		5 Min		Cement Returns	35	Actual Displacement	44	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	164
<b>Rates</b>									
Circulating	5	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		
The Information Stated Herein Is Correct				Customer Representative Signature 					

# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3104983	Quote #:	Sales Order #: 900737395
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Murray 3406	Well #: 2-5H	API/UWI #: 15-077-21958	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 5 Township 34S Range 6W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: UNDERWOOD, BILLY	MBU ID Emp #: 159068

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/13/2013 18:00							
Safety Meeting - Service Center or other Site	09/13/2013 19:00							
Depart from Service Center or Other Site	09/13/2013 19:05							
Arrive at Location from Service Center	09/13/2013 20:30							assess location/test water/get with co rep
Other	09/13/2013 21:00							rigging up casers/run pipe
Arrive at Location from Service Center	09/13/2013 22:00							trucks on location/rig up meeting
Rig-Up Equipment	09/13/2013 22:05							
Rig-Up Completed	09/13/2013 22:30							standby/running casing
Other	09/14/2013 00:00							on bottom/circulate with rig
Safety Meeting - Pre Job	09/14/2013 01:10							job and safety procedures/rig up head
Test Lines	09/14/2013 01:20						1500.0	
Pump Water	09/14/2013 01:22		5	10			100.0	fresh water
Pump Lead Cement	09/14/2013 01:26		6	79			115.0	12.4# Econocem
Pump Tail Cement	09/14/2013 01:39		5	32			145.0	15.6# Swiftcem
Drop Plug	09/14/2013 01:46							
Pump Displacement	09/14/2013 01:48		5	44			180.0	fresh water
Pump Displacement	09/14/2013 01:55		2.8				220.0	slow rate

Sold To #: 305021

Ship To #: 3104983

Quote # :

Sales Order #: 900737395

SUMMIT Version: 7.3.0106

Saturday, September 14, 2013 02:21:00

# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	09/14/2013 01:58						700.0	35bbls cmt returns
Check Floats	09/14/2013 01:59							holding/ 1/2 bbl back
End Job	09/14/2013 02:00							
Safety Meeting - Pre Rig-Down	09/14/2013 02:05							
Rig-Down Equipment	09/14/2013 02:10							
Rig-Down Completed	09/14/2013 02:50							
Safety Meeting - Departing Location	09/14/2013 02:55							
Depart Location for Service Center or Other Site	09/14/2013 03:00							

Sold To # : 305021

Ship To # : 3104983

Quote # :

Sales Order # : 900737395

SUMMIT Version: 7.3.0106

Saturday, September 14, 2013 02:21:00

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SEP 30 2013

HALLIBURTON

REGULATORY DEPT  
SANDRIDGE ENERGY

## Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3104983	Quote #:	Sales Order #: 900746300
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Murray 3406	Well #: 2-5H	API/UWI #: 15-077-21958	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 5 Township 34S Range 6W			
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: PENN, BRIAN	MBU ID Emp #: 512150

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AIRINGTON, JOSEPH Tyler	7	497322	PENN, BRIAN A	7	512150	TOPE, GEOFFREY Daniel	7	489420

## 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
9/20/13	7	3						

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	19 - Sep - 2013	20:00	CST
Form Type		BHST	Job Started	20 - Sep - 2013	01:00	CST
Job depth MD	5306. m	Job Depth TVD	Job Completed	20 - Sep - 2013	05:30	CST
Water Depth		Wk Ht Above Floor	Departed Loc	20 - Sep - 2013	06:42	CST
Perforation Depth (MD)	From	To		20 - Sep - 2013	08:00	CST

## Well Data

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				650.	5279.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5279.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	650.		

## 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	

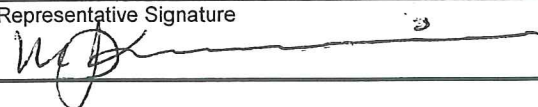
## Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne	

Stage/Plug #: 1

Summit Version: 7.3.0106

Friday, September 20, 2013 07:23:00

Stage/Plug #: 1									
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	HES Supplied Gel Water		30.00	bbl	8.33	.0	.0	.0	
	1.66 lbm/bbl	CAUSTIC SODA BEADS, 50 LB SK (100003650)							
	10 lbm/bbl	AQUAGEL - 100 LB BAG (101252566)							
2	50/50 POZ STANDARD ( w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	140.0	sacks	13.6	1.53	7.46		7.46
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 %	BENTONITE, BULK (100003682)							
	7.459 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		200.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	199.4	Shut In: Instant		Lost Returns	0	Cement Slurry	78	Pad	
Top Of Cement	3243	5 Min		Cement Returns	0	Actual Displacement	119	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	91 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*

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 3104983	<b>Quote #:</b>	<b>Sales Order #:</b> 900746300
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Webster, John	
<b>Well Name:</b> Murray 3406		<b>Well #:</b> 2-5H	<b>API/UWI #:</b> 15-077-21958
<b>Field:</b>	<b>City (SAP):</b> ANTHONY	<b>County/Parish:</b> Harper	<b>State:</b> Kansas
<b>Legal Description:</b> Section 5 Township 34S Range 6W			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> UNIT		<b>Rig/Platform Name/Num:</b> 310	
<b>Job Purpose:</b> Cement Intermediate Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Intermediate Casing	
<b>Sales Person:</b> FRENCH, JEREMY		<b>Srvc Supervisor:</b> PENN, BRIAN	<b>MBU ID Emp #:</b> 512150

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/19/2013 19:50							
Depart Yard Safety Meeting	09/19/2013 20:45							
Depart from Service Center or Other Site	09/19/2013 21:00							
Arrive At Loc	09/20/2013 01:00							MEET WITH COMPANY MAN TO GET WORK ORDER SIGNED AND GET NUMBERS
Other	09/20/2013 02:00							WAIT FOR CASING CREW TO RUN CASING AND RIG DOWN
Pre-Rig Up Safety Meeting	09/20/2013 02:30							
Rig-Up Equipment	09/20/2013 02:45							
Pre-Job Safety Meeting	09/20/2013 05:00							MEET WITH COMPANY MAN, RIG CREW, AND HES EMPLOYEES TO GO OVER PUMPING SCHEDULE AND JOB HAZARDS
Start Job	09/20/2013 05:29							
Pressure Test	09/20/2013 05:30							TEST LINES TO 5000
Pump Spacer	09/20/2013 05:35		4	30			145.0	30 BBL GEL SPACER
Pump Lead Cement	09/20/2013 05:48		4	38			200.0	140 SKS LEAD CEMENT @ 13.6 PPG
Pump Tail Cement	09/20/2013 05:55		5	40			222.0	190 SKS TAIL CEMENT @ 15.6 PPG
Drop Plug	09/20/2013 06:04							TOP PLUG

Sold To # : 305021

Ship To # : 3104983

Quote # :

Sales Order # : 900746300

SUMMIT Version: 7.3.0106

Friday, September 20, 2013 07:23:00



Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	09/20/2013 06:05		8	199			540.0	199.4 BBLS FRESH WATER DISPLACEMENT
Slow Rate	09/20/2013 06:34		3.5				600.0	SLOW RATE FOR LAST 20 BBL OF DISPLACEMENT
Bump Plug	09/20/2013 06:39		3.5				640.0	BUMPED PLUG @ AND TOOK 500 OVER
Check Floats	09/20/2013 06:41							CHECKED FLOATS AND GOT 1 BBLS BACK
End Job	09/20/2013 06:42							
Post-Job Safety Meeting (Pre Rig-Down)	09/20/2013 06:50							
Rig-Down Equipment	09/20/2013 06:55							
Other	09/20/2013 07:30							MEET WITH COMPNAY MAN TO GO OVER JOB RESULTS AND GET TICKETS SIGNED
Depart Location Safety Meeting	09/20/2013 07:40							
Depart Location for Service Center or Other Site	09/20/2013 08:00							THANK YOU FOR USING HALLIBURTON! BRIAN AND CREW