

Koda Services, Inc.

INVOICE

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

Date	Invoice #
8/22/2012	10035

Bill To
Sandridge Energy Accounts Payable P O Box 1748 Oklahoma City, OK 73102

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
	Emil Fahrig	Net 30	7584	Ruby 31-19-2-28	Lariat 45
Item	Quantity	Description			
Conductor	130	Drilled 130' of 32" hole for conductor			
20" Pipe	130	Furnished 130' 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			
AFE Number: <u>OC 12314</u> Well Name: <u>Ruby 3119 2-2011</u> Code: <u>850-010</u> Amount: <u>28,041.83</u> Co. Man: <u>Claude Hallmark</u> Co. Man Sig: <u>Claude Hallmark</u> Notes: _____					

Thank you for your business.	Subtotal	\$27,300.00
	Sales Tax (6.3%)	\$741.83
	Total	\$28,041.83

JOB SUMMARY

PROJECT NUMBER SOK 1782		TICKET DATE 08/19/12	
COUNTY Comanche		STATE Kansas	
COMPANY Bridge Exploration & Produc		CUSTOMER REP Claude Hallmark	
LEAD NAME Ruby		EMPLOYEE NAME Matt Wilson	
WELL NO. 1119 2-20		JOB TYPE Surface	

EMP NAME	frank				
Matt Wilson					
Jared Green					
Marcos Quintana					
vontray					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 300

Date	Called Out	On Location	Job Started	Job Completed
	8/20/2012	8/20/2012	8/21/2012	8/21/2012
Time	3:00 pm	10:00 pm	3:49 am	6:00 am

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	68.0	13 3/8		Surface	280	1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		17 1/2"		Surface	280	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh Water BBL.		10	8.33
Spacer type	BBL.			
Acid Type	Gal.	%		
Acid Type	Gal.	%		
Surfactant	Gal.	In		
NE Agent	Gal.	In		
Fluid Loss	Gal/Lb	In		
Gelling Agent	Gal/Lb	In		
Fric. Red.	Gal/Lb	In		
MISC.	Gal/Lb	In		
Perfpac Balls	Qty.			
Other				
Other				
Other				
Other				

Hours On Location

Date	Hours
8/20	2.0
8/21	6.0
Total	8.0

Operating Hours

Date	Hours
8/21	4.0
Total	4.0

Description of Job
Surface

Pressures

MAX 1,500 PSI	AVG. 100
MAX 6 BPM	AVG 5
Feet 43	Cement Left in Pipe Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	120	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00	Type: _____	Fresh Water
	Lost Returns-N _____	NO/FULL		Load & Bkdn: Gal - BBI _____	N/A	Pad:Bbl -Gal _____	N/A
	Actual TOC _____	SURFACE		Excess /Return BBI _____	36	Calc. Disp Bbl _____	36
Average _____	Bump Plug PSI: _____			Calc. TOC: _____	SURFACE	Actual Disp. _____	36.00
5 Min _____	10 Min _____	15 Min _____		Final Circ. PSI: _____	100	Disp:Bbl _____	
				Cement Slurry: BBI _____	94.0		
				Total Volume BBI _____	140.00		

CUSTOMER REPRESENTATIVE Claude Hallmark SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 1791	TICKET DATE 08/22/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Claude Hallmark	
LEASE NAME Ruby	Well No. 1119 2-201	JOB TYPE Surface	EMPLOYEE NAME Johnny Breeze	

EMP NAME Johnny Breeze	Daniel Wells				
Scott Woods					
Flo Helkena					
David Settlemier					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **1050**

Date	Called Out 8/21/2012	On Location 8/22/2012	Job Started 8/22/2012	Job Completed 8/22/2012
Time	2000	0700	1902	2030

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	36.0	9 5/8		Surface	1,055	1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		12 1/4"		Surface	1,050	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	θ
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	resh Water	BBL.	10
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/22	13.0	8/22	4.0	Surface
Total	13.0	Total	4.0	

Pressures		
MAX	1,500 PSI	AVG. 200
Average Rates in BPM		
MAX	6 BPM	AVG 5.5
Cement Left in Pipe		
Feet	46	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	285	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	150	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	*100	*Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	_____	Type: _____	Preflush: BBI	10.00	Type: Fresh Water
		MAXIMUM	1,500 PSI	Load & Bkdn: Gal - BBI	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	60
		Actual TOC	SURFACE	Calc. TOC:	SURFACE
Average	Bump Plug PSI:	1,090	Final Circ. PSI:	400	Actual Disp. _____
ISIP _____ 5 Min.	10 Min _____	15 Min _____	Cement Slurry: BBI	128.7	Disp:Bbl _____
			Total Volume	BBI	216.73

CUSTOMER REPRESENTATIVE *Claude Hallmark* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 1818	TICKET DATE 08/28/12
COUNTY Comanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Claude Hallmark	
LEASE NAME Ruby	Well No. 1119 2-201	JOB TYPE Intermediate	EMPLOYEE NAME Johnny Breeze	

EMP NAME	Johnny Breeze	David Settlemier					
	Scott woods						
	Cheryl Newton						
	Flo Helkena						

Form. Name _____ Type: _____
 Packer Type _____ Set At **4,286**
 Bottom Hole Temp. **165** Pressure _____
 Retainer Depth _____ Total Depth **5637**

Date	Called Out 8/27/2012	On Location 8/28/2012	Job Started 8/28/2012	Job Completed 8/28/2012
Time	1200	0100	1725	1930

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	6,603	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,637	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	Fresh Water BBL.		20	8.33
Spacer type	Caustic BBL.		10	8.40
Acid Type	Gal.	%		
Acid Type	Gal.	%		
Surfactant	Gal.	In		
NE Agent	Gal.	In		
Fluid Loss	Gal/Lb	In		
Gelling Agent	Gal/Lb	In		
Fric. Red.	Gal/Lb	In		
MISC.	Gal/Lb	In		

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/28	18.0	8/28	4.0	Intermediate
Total	18.0	Total	4.0	

Pressures		MAX	5,000 PSI	AVG.	400
Average Rates in BPM		MAX	8 BPM	AVG	5.5
Cement Left in Pipe		Feet	90	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	Type: _____	MAXIMUM _____	5,000 PSI	Preflush: BBI _____	30.00	Type: WEIGHTED SP.
	Lost Returns-N _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A	Pad:Bbl -Gal _____
	Actual TOC _____	3,765 _____		Excess /Return BBI _____	N/A	Calc.Disp Bbl _____
Average	Bump Plug PSI: _____	1,600 _____		Calc. TOC: _____	3,765	Actual Disp. _____
ISIP _____ 5 Min.	10 Min _____	15 Min _____		Final Circ. PSI: _____	1,020	Disp:Bbl _____
				Cement Slurry: BBI _____	723	
				Total Volume BBI _____	313.46	

CUSTOMER REPRESENTATIVE *Claude Hallmark* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 1832	TICKET DATE 09/03/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Jessie New	
LEASE NAME Ruby	Well No. 1119 2-20	JOB TYPE Liner	EMPLOYEE NAME Robert Burris	

EMP NAME	Robert Burris	Wallace Berry			
	Bryan Douglas	Vontrey			
	Rocky Anthis				
	Jessie McClain				

Form Name _____ Type: _____

Packer Type _____ Set At **5,603**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **9600**

Date	Called Out 9/3/2012	On Location 9/3/2012	Job Started 9/3/2012	Job Completed 9/3/2012
Time	05:30	08:30	12:49	14:14

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		11.6	4 1/2		5322	9,600
Liner Tool						
HWDP					3,929	5,322
Drill Pipe			3 1/2"		Surface	3,929
Drill Collars						
Open Hole			6 1/8"		Surface	9,600
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	Gel	BBL.	20
Spacer type			8.59
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/3	6.0	9/3	1.5	Liner
Total	6.0	Total	1.5	

Perpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

MAX 5000 PSI		AVG 875	
MAX 6 BPM		AVG 4.5	
Feet 85		Cement Left in Pipe Reason SHOE JOINT	

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives			
1	475	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	20.00
	MAXIMUM 5000 PSI	Load & Bkdn: Gal - BBI	N/A
	Lost Returns-N	Excess /Return BBI	N/A
	Actual TOC 5,243	Calc. TOC:	5,243
Average	Bump Plug PSI: 1,750	Final Circ. PSI:	700
ISIP 5 Min.	10 Min _____	Cement Slurry: BBI	122.0
	15 Min _____	Total Volume BBI	258.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____