



# Invoice

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 Woodward, OK 73802  
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Date	Invoice #
5/23/2012	1334

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Jason Harrison	Net 45	5/23/2012	Brock 1-24H, Comanche Cnty, KS	Lariat 38

Item	Quantity	Description
Conductor Hole	100	Drilled 100 ft. conductor hole.
20" Pipe	100	Furnished 100 ft. of 20 inch conductor pipe.
Mouse Hole	80	Drilled 80 ft. mouse hole.
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe.
Cellar Hole	1	Drilled 6x6 cellar hole.
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn.
Mud and Water	1	Furnished mud and water.
Mud, Water, & Trucking	1	Transport mud and water to location.
Grout & Trucking	10	Furnished 10 yards of grout and trucking to location.
Grout Pump	1	Furnished grout pump.
Welder & Materials	1	Furnished welder and materials.
Dirt Removal	1	Labor and Equip. for dirt removal.
Cover Plate	1	Furnished cover plates.
Permits	1	Permits

AFE Number: DC 12080  
 Well Name: Brock 3418 1-24H  
 Code: 850.01D  
 Amount: 23,910.00  
 Co. Man: Felix Ortiz Jr  
 Co. Man Sig.: Felix Ortiz Jr  
 Notes: \_\_\_\_\_

<b>Subtotal</b>	\$23,910.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	<b>\$23,910.00</b>

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1513</b>	TICKET DATE <b>06/01/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>ROGER BARBER</b>	
LEASE NAME <b>BROCK 3418</b>	Well No. <b>1-24H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Johnny Breeze</b>	

EMP NAME	Johnny Breeze	0					
	Scott Woods						
	David Settlemier						
	Flo Helkena						

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **342'**

Date	Called Out <b>5/31/2012</b>	On Location <b>6/1/2012</b>	Job Started <b>6/1/2012</b>	Job Completed <b>6/2/2012</b>
Time	<b>1800</b>	<b>0430</b>	<b>1411</b>	<b>0530</b>

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		48#	13 3/8		Surface	451	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			17 1/2		Surface	450	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials				
Mud Type	WBM	Density	<b>9</b>	Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b>	Lb/Gal
Spacer type	resh Water	BBL.	<b>10</b>	<b>8.33</b>
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		
Perpac Balls		Qty.		
Other				
Other				
Other				
Other				

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/1	25.0	6/2	4.0	Surface
Total	25.0	Total	4.0	

Pressures	
MAX	1,500 PSI
AVG.	50
Average Rates in BPM	
MAX	6 BPM
AVG.	5
Cement Left in Pipe	
Feet	44
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	360	O-TEX Lite Standard	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4pps Cello-Flake	5.20	1.18	15.60
3	300	Standard	2% Calcium Chloride on side to use if necessary	5.20	1.18	15.60

Summary					
Preflush Breakdown	Type: _____	MAXIMUM	1,500 PSI	Preflush: BBI	10.00
	Lost Returns-n	No Returns		Load & Bkdn: Gal - BBI	N/A
	Actual TOC	SURFACE		Excess /Return BBI	0
Average	Bump Plug PSI:	600		Calc. TOC:	SURFACE
ISIP	5 Min.	10 Min.	15 Min.	Final Circ. PSI:	90
				Cement Slurry: BBI	155.8
				Total Volume BBI	209.80

CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_



<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1528</b>	TICKET DATE <b>06/03/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>ROGER BARBER</b>	
LEASE NAME <b>BROCK 3418</b>	Well No. <b>1-24H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME	

EMP NAME					
<b>LOUIS ARNEY</b>					
<b>BILLY TAFF</b>					
<b>MARCOS QUINTANA</b>					
<b>CHERYL NEWTON</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
Packer Type \_\_\_\_\_ Set At **0**  
Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
Retainer Depth \_\_\_\_\_ Total Depth **850'**

Date	Called Out <b>6/3/2012</b>	On Location <b>6/4/2012</b>	Job Started <b>6/4/2012</b>	Job Completed <b>6/4/2012</b>
Time	<b>18:00</b>	<b>3:00</b>	<b>9:40</b>	<b>11:07</b>

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	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#	9 5/8		Surface		1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		12 1/4"		Surface	850'	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			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/4	9.0	6/4	1.5	Surface
Total	9.0	Total	1.5	

Pressures			
MAX	1,500 PSI	AVG.	200
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	44'	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	260	O-TEX Lite Standard	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4pps Cello-Flake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on side to use if necessary	5.20	1.18	15.60

Summary								
Preflush		Type:		Preflush:	BBI	10.00	Type:	Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	100	Calc.Disp Bbl	71
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp.	69.00
Average		Bump Plug PSI:	800	Final Circ.	PSI:	250	Disp:Bbl	
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI	118.8		
				Total Volume	BBI	197.80		

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1545</b>	TICKET DATE <b>06/10/11</b>
COUNTY <b>Comanche</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>Felix Ortiz Jr./Marc Harvey</b>	
LEASE NAME <b>Brock 3418</b>	Well No. <b>1-24H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>Jared Green</b>	

EMP NAME <b>Jared Green</b>	<b>Eric Parsons</b>				
<b>Arthur Setzar</b>					
<b>0.00</b>					
<b>Robert Stonehocker</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At **4,462**

Bottom Hole Temp. **155** Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth **5845**

Date	Called Out	On Location	Job Started	Job Completed
		<b>6/10/2012</b>	<b>6/10/2012</b>	<b>6/10/2012</b>
Time	<b>5:00pm</b>			

**Tools and Accessories**

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	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	5,842	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,845	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.	ln		
NE Agent	Gal.	ln		
Fluid Loss	Gal/Lb	ln		
Gelling Agent	Gal/Lb	ln		
Fric. Red.	Gal/Lb	ln		
MISC.	Gal/Lb	ln		

**Hours On Location**

Date	Hours	Date	Hours	Description of Job
6/10		6/10		Intermediate
Total	0.0	Total	0.0	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

**Pressures**

MAX	5,000 PSI	AVG.	350
Average Rates in BPM			
MAX	8 BPM	AVG	4
Cement Left in Pipe			
Feet	92	Reason	SHOE JOINT

**Cement Data**

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	140	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	16.60
3	0	0		0	0.00	0.00

**Summary**

Preflush	10	Type: CF-63	Preflush: BBI	30.00	Type: WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn: Gal - BBI	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	N/A
		Actual TOC		Calc. TOC:	
Average		Bump Plug PSI:	1,250	Final Circ. PSI:	700
15IP	5 Min.	10 Min.	15 Min.	Cement Slurry: BBI	56.9
				Total Volume BBI	306.90

CUSTOMER REPRESENTATIVE \_\_\_\_\_ *Felix Ortiz Jr.* SIGNATURE



<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1563</b>	TICKET DATE <b>06/16/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>ROGER BARBER</b>	
LEASE NAME <b>BROCK 3418</b>	Well No. <b>1-24H</b>	JOB TYPE <b>Liner</b>	EMPLOYEE NAME <b>Matt Wilson</b>	

EMP NAME	<b>Matt Wilson</b>	<b>Marcos Quintana</b>			
	<b>Jayson Pierce</b>				
	<b>Billy Taff</b>				
	<b>David Thomas</b>				

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **5840'**  
 Bottom Hole Temp. **150** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **9747'**

	Called Out	On Location	Job Started	Job Completed
Date	<b>6/17/2012</b>	<b>6/18/2012</b>	<b>6/18/2012</b>	<b>6/18/2012</b>
Time	<b>6:00 pm</b>	<b>12:00 am</b>	<b>1:07 am</b>	<b>4:00 am</b>

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

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		<b>11.6</b>	<b>4 1/2</b>		<b>5,233'</b>	<b>9,543'</b>
Liner Tool					<b>5,215'</b>	<b>5,233'</b>
HWDP					<b>3,836.33'</b>	<b>5,215'</b>
Drill Pipe			<b>3 1/2"</b>		<b>Surface</b>	<b>3,836.33'</b>
Drill Collars						<b>3,500</b>
Open Hole			<b>6 1/8"</b>		<b>Surface</b>	<b>9747'</b>
Perforations						<b>Shots/Ft.</b>

Materials			
Mud Type	<b>WBM</b>	Density	<b>9.1</b>
Disp. Fluid	<b>Fresh Water</b>	Density	<b>8.33</b>
Spacer type	<b>Fresh Water BBL.</b>		<b>20</b>
Spacer type	<b>Caustic BBL.</b>		<b>10</b>
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	
<b>6/18</b>		<b>6/18</b>	<b>4.0</b>	<b>Liner</b>
<b>Total</b>	<b>0.0</b>	<b>Total</b>	<b>4.0</b>	

Pressures			
MAX	<b>3,500 PSI</b>	AVG	<b>300</b>
Average Rates in BPM			
MAX	<b>6 BPM</b>	AVG	<b>4</b>
Cement Left in Pipe			
Feet	<b>86</b>	Reason	<b>SHOE JOINT</b>

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
<b>1</b>	<b>470</b>	<b>50/50 Premium Poz</b>	<b>(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal</b>	<b>6.77</b>	<b>1.44</b>	<b>13.60</b>
<b>2</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>

Summary								
Preflush	<b>10-</b>	Type:	<b>Caustic</b>	Preflush:	<b>BBI</b>	<b>20.00</b>	Type:	<b>C-63</b>
Breakdown		MAXIMUM	<b>3,500 PSI</b>	Load & Bkdn:	<b>Gal - BBI</b>	<b>N/A</b>	Pad:Bbl -Gal	<b>N/A</b>
		Lost Returns-N	<b>NO/FULL</b>	Excess /Return BBI		<b>N/A</b>	Calc. Disp Bbl	<b>99</b>
		Actual TOC	<b>4.697'</b>	Calc. TOC:		<b>4.697'</b>	Actual Disp.	<b>99.00</b>
Average		Bump Plug PSI:		Final Circ.	<b>PSI:</b>	<b>730</b>	Disp:Bbl	
ISIP	<b>5 Min.</b>	<b>10 Min.</b>	<b>15 Min.</b>	Cement Slurry:	<b>BBI</b>	<b>120.5</b>		
				Total Volume	<b>BBI</b>	<b>239.54</b>		

CUSTOMER REPRESENTATIVE \_\_\_\_\_ *Felix Ditya* \_\_\_\_\_  
 SIGNATURE