



**BASIN SERVICES, LLC**  
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# INVOICE

INVOICE NO.: 202  
 INVOICE DATE: 06/24/2013

SANDRIDGE ENERGY  
 123 ROBERT S KERR AVE  
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK  
 LEASE: Thyme  
 WELL#: 3419 2-5H  
 RIG #: Lariat 45  
 Co/St: COMANCHE, KS

Tkt # WY-20-1 05/11/2013

DESCRIPTION	FOOTAGE	QUANTITY	RATE	AMOUNT
5/11/2013 DRILLED 30" CONDUCTOR HOLE				
5/11/2013 20" CONDUCTOR PIPE (.250 WALL)				
5/11/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING				
5/11/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN				
5/11/2013 DRILLED 20" MOUSE HOLE (PER FOOT)				
5/11/2013 16" CONDUCTOR PIPE (.250 WALL)				
5/11/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
5/11/2013 WELDING SERVICES FOR PIPE & LIDS				
5/11/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE				
5/11/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)				
5/11/2013 12 YARDS 10 SACK GROUT				6,545.00
5/11/2013 TAXABLE ITEMS				14,705.00
5/11/2013 BID + TAXABLE ITEMS				
			Sub Total:	21,250.00
			Tax COMANCHE COUNTY (6.3 %):	412.34
			PLEASE PAY THIS AMOUNT:	<u>\$ 21,662.34</u>

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2687</b>	TICKET DATE <b>05/16/13</b>
COUNTY <b>Commanche</b>	State <b>Kansas</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>Tommy Whitlow</b>	
LEASE NAME <b>Thyme 3419</b>	Well No. <b>2-5H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>ROBERT BURRIS</b>	

EMP NAME	
Robert Burris	Vontray
0.00	
Frank Reeves	
Cheryl Newton	

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

Packer Type \_\_\_\_\_ Set At 0

Bottom Hole Temp. 80 Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth 900'

Date	Called Out <b>5/16/2013</b>	On Location <b>5/16/2013</b>	Job Started <b>5/16/2013</b>	Job Completed <b>5/16/2013</b>
Time	<b>13:30</b>	<b>16:00</b>	<b>15:46</b>	<b>16:52</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
Casing		36#	9 5/8"		Surface	917
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	910
Perforations						Shots/Ft.
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.		ln
NE Agent	Gal.		ln
Fluid Loss	Gal/Lb		ln
Gelling Agent	Gal/Lb		ln
Fric. Red.	Gal/Lb		ln
MISC.	Gal/Lb		ln
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/16	4.0	5/16	1.0	Surface
Total	4.0	Total	1.0	

Pressures			
MAX	1,500 PSI	AVG	275
Average Rates in BPM			
MAX	6 BPM	AVG	4.5
Cement Left in Pipe			
Feet	47	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	180	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary					
Preflush	_____	Type:	BBI	10.00	Type: Fresh Water
Breakdown	_____	MAXIMUM	1,500 PSI	Load & Bkdn: Gal - BBI	N/A
	_____	Lost Returns-N	NO/FULL	Excess /Return BBI	20
	_____	Actual TOC	SURFACE	Calc. TOC:	SURFACE
Average	_____	Bump Plug PSI:	1,000	Final Circ. PSI:	450
ISIP	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry: BBI	140.0
				Total Volume BBI	215.00

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

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2698</b>	TICKET DATE <b>05/22/13</b>
COUNTY <b>Comanche</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>Tommy Whitlow</b>	
LEASE NAME <b>Thyme 3419</b>	Well No. <b>2-5H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>L. ARNEY</b>	

EMP NAME	<b>L. AENRY</b>	<b>B. ARMER</b>				
	<b>M. QUINTANA</b>					
	<b>D. TEWELL</b>					
	<b>V. WATKINS</b>					

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

Packer Type \_\_\_\_\_ Set At **4,416**

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

Retainer Depth \_\_\_\_\_ Total Depth **5920**

Date	Called Out <b>5/22/2013</b>	On Location <b>5/22/2013</b>	Job Started <b>5/22/2013</b>	Job Completed <b>5/22/2013</b>
Time	<b>1100</b>	<b>1400</b>	<b>1833</b>	<b>2030</b>

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

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/4"		Surface	5,920	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 Watc	BBL.	<b>20</b> <b>8.33</b>
Spacer type	Caustic	BBL.	<b>10</b> <b>8.40</b>
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	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>5/22</b>	<b>6.0</b>	<b>5/22</b>	<b>2.0</b>	Intermediate
Total	<b>6.0</b>	Total	<b>2.0</b>	

Pressures			
MAX	<b>5,000 PSI</b>	AVG.	<b>400</b>
Average Rates in BPM			
MAX	<b>8 BPM</b>	AVG	<b>5</b>
Cement Left in Pipe			
Feet	<b>88'</b>	Reason	<b>SHOE JOINT</b>

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
<b>1</b>	<b>210</b>	<b>50/50 POZ PREMIUM</b>	<b>4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P</b>	<b>6.77</b>	<b>1.44</b>	<b>13.60</b>
<b>2</b>	<b>100</b>	<b>Premium</b>	<b>0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P</b>	<b>5.20</b>	<b>1.18</b>	<b>15.60</b>
<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>
				<b>0</b>	<b>0.00</b>	<b>0.00</b>

Summary							
Preflush	<b>10</b>	Type:	Caustic	Preflush:	BBI	<b>30.00</b>	Type: <b>10ppg Barite Spacer</b>
Breakdown		MAXIMUM	<b>5,000 PSI</b>	Load & Bkdn:	Gal - BBI	<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>222</b>
Average		Actual TOC		Calc. TOC:		<b>1.5227 / L 3218</b>	Actual Disp. <b>220.00</b>
ISIP	<b>5 Min.</b>	Bump Plug PSI:	<b>1,200</b>	Final Circ.	PSI:	<b>660</b>	Disp:Bbl
		10 Min.	<b>15 Min</b>	Cement Slurry:	BBI	<b>75.0</b>	
				Total Volume	BBI	<b>325.00</b>	

CUSTOMER REPRESENTATIVE Bill Jordan SIGNATURE



<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2711</b>	TICKET DATE <b>05/27/13</b>
COUNTY <b>Comanche</b>	State <b>Kansas</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>Bill Barrett</b>	
LEASE NAME <b>Thyme 3419</b>	Well No. <b>2-5H</b>	JOB TYPE <b>Liner</b>	EMPLOYEE NAME <b>ROBERT BURRIS</b>	

EMP NAME <b>Robert Burris</b>	<b>BRETT AMERY</b>				
<b>MIKE HALL</b>					
<b>Cheryl Newton</b>					
<b>WALLACE BERRY</b>					

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

Packer Type \_\_\_\_\_ Set At **5,882'**

Bottom Hole Temp. **150** Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth **9,684'**

Date	Called Out	On Location	Job Started	Job Completed
	<b>5/27/2013</b>	<b>5/27/2013</b>	<b>5/27/2013</b>	<b>5/27/2013</b>
Time	<b>14:00</b>	<b>16:00</b>	<b>17:57</b>	<b>21:20</b>

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	<b>Weatherford</b>
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	Max. Allow
Casing		11.6	4 1/2"		5622	9,684'
Liner Tool						
HWDP					3,875	5,622
Drill Pipe			3 1/2"		SURFACE	3,875
Drill Collars						
Open Hole			6 1/8"		Surface	9,684'
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9.1 Lb/Gal
Disp. Fluid	FRESH WATER	Density	8.33 Lb/Gal
Spacer type	BARITE BBL.		15 10.00
Spacer type	BBL.		
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		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/27	5.5	5/27	1.1	Liner
Total	5.5	Total	1.1	

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

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Pressures	
MAX 5000 PSI	AVG 675
Average Rates in BPM	
MAX 6 BPM	AVG 4
Cement Left in Pipe	
Feet 92	Reason SHOE JOINT

Cement Data			Additives				18:57		
Stage	Sacks	Cement	Additives				W/Rq.	Yield	Lbs/Gal
1	480	50/50 Premium Poz	4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P				6.77	1.44	13.60
2	0	0					0	0.00	0.00
3	0	0					0	0.00	0.00

Summary							
Preflush	10-	Type:	Caustic	Preflush:	BBI	20.00	Type: 10ppg Barite Space
Breakdown		MAXIMUM	3,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	N/A	Calc. Disp Bbl 113
		Actual TOC	4.536	Calc. TOC:		4.536	Actual Disp. 113.00
Average		Bump Plug PSI:	1,700	Final Circ.	PSI:	700	Disp:Bbl
15: F	5 Min.	10 Min	15 Min	Cement Slurry:	BBI	120.5	
				Total Volume	BBI	253.54	

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