



Conductor, Rat and Mouse Hole Drilling Services

Ticket

Company:

Date: 7/21/2012

Sandridge

Drill Rig: Unit 9	Location: Commanche County	Lease Name: Mariah #3120 2-36H DC12223
120' of 30" Drilled Conductor Hole 120' of 20" Conductor Pipe(.250 wall) 82ppf 6'x6' Cellar Tinhorn W/Protective Ring Drill & Install cellar 80' of 20" Drilled Moushole 80' of 16" Moushole Pipe Mobilization of Equipment & Road Permitting Fee Welding Services for Pipe & Lids Provided Equipment & Labor for Dirt Removal Provided Personal to Facilitate Diggtes(One Call) Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe) 11 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe		AFE Number: <u>DC-12223</u> Well Name: <u>Mariah 3120 2-36H</u> Code: <u>850-010</u> Amount: <u>28,680.00</u> Co. Man: <u>Dwayne Burt</u> Co. Man Sig.: <u>Dwayne Burt</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 \$28,680.00

JOB SUMMARY

PROJECT NUMBER SOK1707		TICKET DATE 07/30/12	
COUNTY COMANCHE	State KANSAS	COMPANY Bridge Exploration & Produc	CUSTOMER REP DWAYNE BURT
LEASE NAME MARIAH	Well No. 1120 2-361	JOB TYPE Surface	EMPLOYEE NAME LOUIS ARNEY

EMP NAME	LOUIS ARNEY	0					
	JASON JONES						
	CHERYL NEWTON						
	TRAY WOTKINS						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **1000**

Date	Called Out	On Location	Job Started	Job Completed
	7/30/2012	7/30/2012	7/30/2012	7/30/2012
Time	5:00	10:30	14:47	16:03

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	1,000	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	
7/30	5.5	7/30	1.4	Surface
Total	5.5	Total	1.4	

Pressures			
MAX	1,500 PSI	AVG.	100
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	47.74'	Reason	SHOE JOINT

Cement Data		Additives			W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement					
1	440	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P		10.88	1.84	12.70
2	160	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	14.80

Summary			
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI
	Lost Returns-N _____	NO/FULL _____	
	Actual TOC _____	SURFACE _____	
Average	Bump Plug PSI: _____	800 _____	
ISIP	5 Min. _____	10 Min. _____	15 Min. _____
Preflush:	BBI _____	10.00 _____	Type: Fresh Water
Load & Bkdn:	Gal - BBI _____	N/A _____	Pad:Bbl -Gal _____
Excess /Return	BBI _____	33 _____	Calc. Disp Bbl _____
Calc. TOC:	_____	SURFACE _____	Actual Disp. _____
Final Circ.	PSI: _____	200 _____	Disp:Bbl _____
Cement Slurry:	BBI _____	182.0 _____	
Total Volume	BBI _____	262.00 _____	

CUSTOMER REPRESENTATIVE _____

Dwayne Burt
SIGNATURE

JOB SUMMARY

PROJECT NUMBER SOK1761		TICKET DATE 08/15/12	
COUNTY Comanche		State Kansas	
COMPANY Sandridge Exploration & Production		CUSTOMER REP Dwayne Burt	
LEASE NAME Mariah		Well No. 1120 2-361	
JOB TYPE Intermediate		EMPLOYEE NAME Larry Kirchner Jr.	

EMP NAME	Larry Kirchner Jr.	0					
	John Hall						
	Wallace Berry						
	Vontray Watkins						

Form. Name _____ Type: _____

Packer Type _____ Set At 4,312

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5557

Date	Called Out	On Location	Job Started	Job Completed
	8/16/2012	8/15/2012	8/16/2012	8/15/2012
Time	7:00AM	11:30AM	12:17PM	1:30PM

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	New	26#	7"		Surface	5,539'	6,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,539'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

	WBM	Density	9	Lb/Gal
Mud Type	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh 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
8/15	2.0
Total	2.0

Operating Hours

Date	Hours
8/15	2.0
Total	2.0

Description of Job
Intermediate

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures

MAX 5,000 PSI	AVG 300
MAX 8 BPM	AVG 5
Feet 88	Cement Left in Pipe Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	110	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		0.00	0.00	0.00

Summary

Preflush Breakdown	10	Type: Caustic	Preflush: BBI	30.00	Type: WEIGHTED SP.
		MAXIMUM 5,000 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 208
		Actual TOC	Calc. TOC:	4,229	Actual Disp. 208.00
Average		Bump Plug PSI:	Final Circ. PSI:	550	Disp:Bbl
ISIP 5 Min.		10 Min	Cement Slurry: BBI	49.0	
		15 Min	Total Volume BBI	287.00	

CUSTOMER REPRESENTATIVE Dwayne Burt SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1716	TICKET DATE 08/03/12
COUNTY Comanche	State Kansas	COMPANY Sandridge	CUSTOMER REP 0	
LEASE NAME Mariah	Well No. 1120 2-361	JOB TYPE Misc Pumping	EMPLOYEE NAME Larry Kirchner Jr.	

EMP NAME					
Larry Kirchner Jr.		0			
John Hall					
Robert Stonehocker					
Wallace Berry					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out 8/2/2012	On Location 8/3/2012	Job Started 8/3/2012	Job Completed 8/3/2012
Time	4:00PM	12:00AM	1:05AM	2:45AM

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							
Liner							
Liner							
Tubing			0				
Drill Pipe	Used				Surface	3,456	3,000
Open Hole					Surface	3,100	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	mud wash BBL.	20	8.40
Spacer type	H2O BBL.	10	8.33
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	

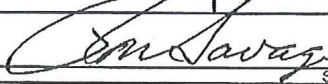
Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/3	2.8	8/3	2.0	Misc Pumping
Total	2.8	Total	2.0	

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

Pressures	
MAX 5,000 PSI	AVG 300
Average Rates in BPM	
MAX 8 BPM	AVG 4
Cement Left in Pipe	
Feet 0	Reason LCM Plug

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	Premium "H" (Thixotropic)	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	10	Type: _____	Caustic	Preflush: BBI	20.00
		MAXIMUM	5,000 PSI	Load & Bkdn: Gal - BBI	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	N/A
		Actual TOC		Calc. TOC:	N/A
Average		Bump Plug PSI:		Final Circ. PSI:	400
ISIP 5 Min.		10 Min	15 Min	Cement Slurry: BBI	86.0
				Total Volume BBI	136.50

CUSTOMER REPRESENTATIVE _____

 SIGNATURE

JOB SUMMARY

COUNTY Comanche	State Kansas	COMPANY Sandridge	PROJECT NUMBER SOK1750	PROJECT DATE 08/11/12
EMPLOYEE Mariah	PHONE NO. 1120 2-361	JOB NAME Misc Pumping	CUSTOMER REP 0	PERF/PSP FLAG 0

EMP NAME				
Matt Wilson	tyrone			
Jarod Green				
David Thomas				
Frank				

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	8/11/2012	8/11/2012	8/11/2012	8/11/2012
Time	12:00 am	6:00 am	7:27 am	9:00 am

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	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					Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole					Surface	0	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
	WBM	Density	Lb/Gal
Mud Type		9	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal
Spacer type	mud wash BBL.	20	8.40
Spacer type	H2O BBL.	10	8.33
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	
8/11	3.0	8/11	4.0	Misc Pumping
Total	3.0	Total	4.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX	5,000 PSI	AVG	500
Average Rates in BPM			
MAX	8 BPM	AVG	6
Cement Left in Pipe			
Feet	0	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	400	Premium "H" (Thixotropic	10 % Gypsum + 4 % Total Gel + 1/4#/sk Celloflake + 2#/sk Phenoseal	7.64	1.61	14.40
2						
3	0	0		0	0.00	0.00

Summary							
Preflush	10	Type:	Caustic	Preflush:	BBI	Type:	
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	Calc.Disp Bbl	34
		Actual TOC		Calc. TOC:		Actual Disp.	33.60
Average		Bump Plug PSI:		Final Circ.	PSI:	Disp:Bbl	
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI		
				Total Volume	BBI		148.60

.. CUSTOMER REPRESENTATIVE *Jon Sawyer* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 1787	TICKET DATE 08/20/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Dwayne Burt	
LEASE NAME Mariah	Well No. 1120 2-361	JOB TYPE Misc Pumping	EMPLOYEE NAME Derek Lewis	

EMP NAME Derek Lewis	0.00				
0.00					
Jason Jones					
Cheryl Newton					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **0**

Date	Called Out 8/20/2012	On Location 8/21/2012	Job Started 8/21/2012	Job Completed 8/21/2012
Time	9:00 pm	1:30 am	6:23 am	7:20 am

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	
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				
Liner Tool							
HWDP							
Drill Pipe			3 1/2"				
Drill Collars							
Open Hole			6 1/8"			0	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9.1	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh Wate BBL.		20	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		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/21	8.5	8/21	2.5	Misc Pumping
Total	8.5	Total	2.5	

Pressures

MAX	3000 PSI	AVG.	
Average Rates in BPM			
MAX	4 BPM	AVG	
Cement Left in Pipe			
Feet	NA	Reason	

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	0	0		0	0.00	0.00
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	Type: _____	Preflush: BBI	Type: 0
	MAXIMUM _____	Load & Bkdn: Gal - BBI	Pad:Bbl -Gal N/A
	Lost Returns-N _____	Excess /Return BBI	Calc. Disp Bbl 111
	Actual TOC _____	Calc. TOC: _____	Actual Disp. 140.00
Average	Bump Plug PSI: _____	Final Circ. PSI: 320	Disp:Bbl 140.00
ISIP	5 Min. _____ 10 Min. _____ 15 Min. _____	Cement Slurry: BBI	
		Total Volume BBI	

CUSTOMER REPRESENTATIVE _____ *Dwayne Burt* SIGNATURE