



**\*\*\*Conductor, Rat and Mouse Hole Drilling Services\*\*\***

**Ticket**

Company:

Date: 7/24/2012

**Sandridge**

<b>Drill Rig:</b> Lariate 20	<b>Location:</b> Gray County	<b>Lease Name:</b> Lawyer 1-30H <b>DU2315</b>
<b>120' of 30" Drilled Conductor Hole</b> <b>120' of 20" Conductor Pipe(.250 wall) 82ppf</b> <b>6'x6' Cellar Tinhorn W/Protective Ring</b> <b>Drill &amp; Install cellar</b> <b>75' of 20" Drilled Moushole</b> <b>75' of 16" Moushole Pipe</b> <b>Mobilization of Equipment &amp; Road Permitting Fee</b> <b>Welding Services for Pipe &amp; Lids</b> <b>Provided Equipment &amp; Labor for Dirt Removal</b> <b>Provided Personal to Facilitate Diggness(One Call)</b> <b>Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe)</b> <b>11 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe</b>		<b>AFE Number:</b> <u>DC12315</u> <b>Well Name:</b> <u>Lawyer 1-30H</u> <b>Code:</b> <u>850010</u> <b>Amount:</b> <u>28680.00</u> <b>Co. Man:</b> <u>[Signature]</u> <b>Co. Man Sig.:</b> <u>[Signature]</u> <b>Notes:</b> _____
<b>Comments:)</b> <b>Thank You For Your Business</b> <b>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.</b>		<b>Total \$28,680.00</b>

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2941982	Quote #:	Sales Order #: 9698954
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Bence, Scott	
Well Name: Lawyer 2629	Well #: 1-30H	API/UWI #: 15-069-20384	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 30 Township 26S Range 29W			
Contractor: LARIAT		Rig/Platform Name/Num: 20	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srcv Supervisor: RODRIGUEZ, EDGAR MBU ID Emp #: 442125	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	11	267804	GOMEZ, OSCAR	11	490448	RODRIGUEZ, EDGAR Alejandro	11	442125
TORRES, CLEMENTE	11	344233						

### 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
7/30/2012	11	3						
TOTAL			Total is the sum of each column separately					

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					29 - Jul - 2012	20:00	CST
					30 - Jul - 2012	00:00	CST
	1622.8 ft				30 - Jul - 2012	12:18	CST
					30 - Jul - 2012	13:28	CST
					30 - Jul - 2012	15:00	CST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25					1300.		
12.25" Open Hole- Lower				12.25				1300.	1600.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1600.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	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 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)	390.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	175.0	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		122.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	122	Shut In: Instant		Lost Returns		Cement Slurry	184	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	49	Actual Displacement	122	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	316
<b>Rates</b>									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	46 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

### 6.5The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2941982	Quote #:	Sales Order #: 9724859
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Smith, Pat	
Well Name: Lawyer 2629	Well #: 1-30H	API/UWI #: 15-069-20384	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 30 Township 26S Range 29W			
Contractor: Lariat		Rig/Platform Name/Num: 20	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: WADE, STEPHEN	MBU ID Emp #: 490458

#### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	6.5	267804	PEREZ, JOSE R	6.5	518945	WADE, STEPHEN Bruce	6.5	490458

#### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10741245	75 mile	10866807	75 mile	11138994	75 mile	11149169	75 mile
11804860	75 mile						

#### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/7/2012	6.5	3						
TOTAL			<i>Total is the sum of each column separately</i>					

#### Job

#### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST			On Location	07 - Aug - 2012	15:00	CST
Job depth MD	5461. ft	Job Depth TVD	5461. ft	Job Started	07 - Aug - 2012	18:53	CST
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	07 - Aug - 2012	20:05	CST
Perforation Depth (MD)	From	To		Departed Loc	07 - Aug - 2012	21:30	CST

#### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				1600.	5454.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5454.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1600.		

#### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS	1	EA		

#### 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 lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	200.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.18	5.2		5.2
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	5.197 Gal	FRESH WATER							
4	Displacement (TBC)		207.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	205	Shut In: Instant		Lost Returns	0	Cement Slurry	63.04	Pad	
Top Of Cement	3239.37	5 Min		Cement Returns	0	Actual Displacement	204	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	99.22 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 2941982	<b>Quote #:</b>	<b>Sales Order #:</b> 9750684
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Smith, Pat	
<b>Well Name:</b> Lawyer 2629	<b>Well #:</b> 1-30H	<b>API/UWI #:</b> 15-069-20384	
<b>Field:</b>	<b>City (SAP):</b> INGALLS	<b>County/Parish:</b> Gray	<b>State:</b> Kansas
<b>Legal Description:</b> Section 30 Township 26S Range 29W			
<b>Contractor:</b> LARIAT		<b>Rig/Platform Name/Num:</b> 20	
<b>Job Purpose:</b> Cement Production Liner			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Liner	
<b>Sales Person:</b> NGUYEN, VINH		<b>Srvc Supervisor:</b> MONTOYA-MOLINAS, ARTHUR	<b>MBU ID Emp #:</b> 483764

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOHNSON, ROBERT Pierce	9.0	525965	MONTOYA-MOLINAS, ARTHUR J	9.0	483764	REYES GANDARA, JUAN Armando	9.0	440529
STELL, KEVIN Woodrow	9.0	450776						

**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
8-19-2012	5	2						

**TOTAL** *Total is the sum of each column separately*

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	19 - Aug - 2012	04:45	CST
Form Type			BHST	Job Started	19 - Aug - 2012	06:30	CST
Job depth MD	9447. ft		Job Depth TVD	9447. ft	Job Completed	19 - Aug - 2012	08:13
Water Depth			Wk Ht Above Floor	10. ft	Departed Loc	19 - Aug - 2012	10:00
Perforation Depth (MD)	From		To				

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				5454.	9449.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5052.	9449.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5454.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5052.		

**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 lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer					bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)				sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)									
	2 lbm	KOL-SEAL, BULK (100064233)									
	2 %	BENTONITE, BULK (100003682)									
	7.356 Gal	FRESH WATER									
3	Displacement					bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes						
Displacement	115 BBLS	Shut In: Instant			Lost Returns	0	Cement Slurry		123 BBLS	Pad	
Top Of Cement	4416 FT	5 Min			Cement Returns	0	Actual Displacement		112 BBLS	Treatment	
Frac Gradient		15 Min			Spacers	30 BBLS	Load and Breakdown			Total Job	
Rates											
Circulating	3	Mixing		5	Displacement	5	Avg. Job		5		
Cement Left In Pipe	Amount	80 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							