



Division : 0701
 Delivery Ticket : 4767
 Delivery Date : 4/10/2013
 Office : 12/1/1901

P.O. BOX 3660
 HOUMA, LA 70361-3660

Customer : SAN400

Ordered By :
 Lease/Well : ARIANA 3419 1-7H
 Rig Name/Number : LARIAT 20
 AFE Number :
 Site Contact :
 :
 :
 :

BILL TO : SANDRIDGE ENERGY
 123 ROBERT S KERR AVENUE
 OKLAHOMA CITY, OK 73102-6406
 PHONE: (405) 753-5500 FAX: ()

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	ARIANA 3419 1-7H	\$21,250.00	\$0.00	\$21,250.00	3/9/2013 3/9/2013	\$21,250.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
78	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
78	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
14	CEMENT 10 SACK GROUT	\$0.00	\$0.00	\$0.00	3/9/2013 3/9/2013	
Sub Total:		\$21,250.00	\$0.00			\$21,250.00

Print Name

Signature

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HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2990480	Quote #:	Sales Order #: 900337920
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Hill, Richard	
Well Name: Ariana 3419	Well #: 1-7H	API/UWI #: 15-033-21702	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 6 Township 34S Range 19W			
Lat: N 37.106 deg. OR N 37 deg. 6 min. 21.6 secs.		Long: W 99.431 deg. OR W -100 deg. 34 min. 9 secs.	
Contractor: Lariat	Rig/Platform Name/Num: 20		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY	Srvc Supervisor: THOMPSON, RAYLAND	MBU ID Emp #: 476826	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
THOMPSON, RAYLAND Heath	0.0	476826						

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
4/3/13	10	0	4/4/13	24	6	4/5/13	3	1
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Date	Time	Time Zone	
Formation Depth (MD) Top	Called Out	03 - Apr - 2013	06:30	CST
Bottom	On Location	03 - Apr - 2013	14:00	CST
Form Type	Job Started	04 - Apr - 2013	03:00	CST
Job depth MD	Job Completed	05 - Apr - 2013	01:00	CST
Water Depth	Departed Loc	05 - Apr - 2013	02:30	CST
Perforation Depth (MD) From				
To				

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
17.5" Open Hole				17.5					300.		
13.375" Water String	Unknown		13.375	12.415	68.	BTC	N-80		300.		

Sales/Rental's Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 13 3/8, HWE, 11.79 MIN/12.72	1	EA		
SUGAR - GRANULATED	40	LB		

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

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	150.0	sacks	12.4	2.11	11.57		11.57
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.571 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	115.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		39.00	bbl	8.33	.0	.0	.0	
Displacement Values		Pressures			Volumes				
Displacement	44	Shut In: Instant		Lost Returns	YES	Cement Slurry		Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	44	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42 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					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2990480	Quote #:	Sales Order #: 900336874
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Hill, Richard	
Well Name: Ariana 3419	Well #: 1-7H	API/UWI #: 15-033-21702	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 6 Township 34S Range 19W			
Lat: N 37.106 deg. OR N 37 deg. 6 min. 21.6 secs.		Long: W 99.431 deg. OR W -100 deg. 34 min. 9 secs.	
Contractor: Lariat	Rig/Platform Name/Num: 20		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY	Srvc 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 #
RAMIREZ, JORGE	5.5	498481	RODRIGUEZ, EDGAR Alejandro	5.5	442125	SPENCE, PAT	5.5	534792
TORRES, CLEMENTE	5.5	344233	YANEZ, BENJAMIN	5.5	538038			

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
4/5/2013	3	1	4/6/2013	2.5	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
					05 - Apr - 2013	14:00	CST
Form Type			BHST	On Location	05 - Apr - 2013	20:00	CST
Job depth MD	801. ft		Job Depth TVD	796. ft	Job Started	06 - Apr - 2013	00:25
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	06 - Apr - 2013	01:17
Perforation Depth (MD)	From		To		Departed Loc	06 - Apr - 2013	02:40

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25				300.	800.		
13.375" Water String	Unknown		13.375	12.415	68.	BTC	N-80	.	300.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	800.		

Sales/Rental/3rd Party (HES)

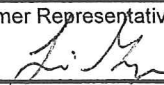
Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HW, 8.16 MIN/9.06 MA	1	EA		
SUGAR - GRANULATED	40	LB		

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 ft3/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)	240.0	sacks	12.4	2.11	11.57		11.57	
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	11.571 Gal	FRESH WATER								
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	110.0	sacks	15.6	1.2	5.32		5.32	
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.125 lbm	POLY-E-FLAKE (101216940)								
	5.319 Gal	FRESH WATER								
4	Displacement		58.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	58	Shut In: Instant		Lost Returns		Cement Slurry	114	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	50	Actual Displacement	58	Treatment		
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	182	
Rates										
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5			
Cement Left In Pipe	Amount	45.91 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						
										

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2990480	Quote #:	Sales Order #: 900355038
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ..., Louise	
Well Name: Ariana 3419	Well #: 1-7H	API/UWI #: 15-033-21702	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 6 Township 34S Range 19W			
Lat: N 37.106 deg. OR N 37 deg. 6 min. 21.6 secs.		Long: W 99.431 deg. OR W -100 deg. 34 min. 9 secs.	
Contractor: Lariat	Rig/Platform Name/Num: 20		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY	Srvc 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 #
JOURNAGAN, MICHAEL	11	524224	RAMIREZ, JORGE	11	498481	RODRIGUEZ, EDGAR Alejandro	11	442125

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
4/13/2013	3	1	4/14/2013	8	2.5			
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
					13 - Apr - 2013	17:00	CST
Form Type		BHST		On Location	13 - Apr - 2013	19:30	CST
Job depth MD	5779. ft	Job Depth TVD	5795. ft	Job Started	14 - Apr - 2013	04:50	CST
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	14 - Apr - 2013	06:13	CST
Perforation Depth (MD)	From	To		Departed Loc	14 - Apr - 2013	07:50	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				800.	5820.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5820.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	800.		

Sales/Rental/3rd 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

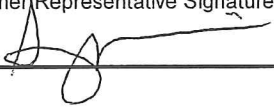
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	HES
Stage Tool										Centralizers			

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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Water		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	150.0	sacks	13.6	1.53	7.24		7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.24 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement		217.00	bbl	8.33	.0	.0	.0	
Calculated Values			Pressures			Volumes			
Displacement	217	Shut In: Instant		Lost Returns	YES	Cement Slurry	62	Pad	
Top Of Cement	3588	5 Min		Cement Returns	NO	Actual Displacement	217	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	309
Rates									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	87.22 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					
									

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MAY 2 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2990480	Quote #:	Sales Order #: 900379111
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: , LOUIS	
Well Name: Ariana 3419	Well #: 1-7H	API/UWI #: 15-033-21702	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 6 Township 34S Range 19W			
Lat: N 37.106 deg. OR N 37 deg. 6 min. 21.6 secs.		Long: W 99.431 deg. OR W -100 deg. 34 min. 9 secs.	
Contractor: LARIAT	Rig/Platform Name/Num: 20		
Job Purpose: Cement Production Liner			
Well Type: Development Well	Job Type: Cement Production Liner		
Sales Person: FRENCH, JEREMY	Srvc Supervisor: ARTURO, VILLARREAL	MBU ID Emp #: 106127	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARTURO, VILLARREAL	15	106127	DALRYMPLE, BRIAN	15	456242	JOHNSON, MATHEW	15	525955
MENDOZA, VICTOR	15	442596						

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
4-21-13	15	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
Form Type	BHST		On Location			
Job depth MD	10160. ft	Job Depth TVD	5335. ft	Job Started		
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	02 - Apr - 2013	02:00 GMT
Perforation Depth (MD) From		To	Departed Loc			

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				5820.	10165.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	5415.	10165.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110		5820.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown			5415.		

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	

