



RECEIVED

JUN 4 2013

**HALLIBURTON**

**Cementing Job Summary**

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3000353	Quote #:	Sales Order #: 900467023
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Man, Company	
Well Name: Pepper 3419	Well #: 4-4H	API/UWI #:	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Contractor: Lariat		Rig/Platform Name/Num: 41	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY		Srv Supervisor: WILTSHIRE, MERSHEK	MBU ID Emp #: 195811

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ESTRADA, JOSE Corral	7	541275	LAYNE, OLANDIS P	7	517538	MURGADO, MIGUEL	7	284594
WILTSHIRE, MERSHEK TonJe	7	195811						

**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

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
				27 - May - 2013	15:00	CST
Form Type	BHST		On Location	20 - May - 2013	21:00	CST
Job depth MD	950. ft	Job Depth TVD	Job Started	27 - May - 2013	01:47	CST
Water Depth	Wk Ht Above Floor		Job Completed	27 - May - 2013	02:52	CST
Perforation Depth (MD) From	To	Departed Loc	27 - May - 2013	04:30	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
12.25" Open Hole				12.25					950.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		950.		

**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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

**Miscellaneous Materials**

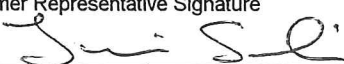
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

**Fluid Data**

<b>Stage/Plug #: 1</b>
------------------------

# HALLIBURTON

## Cementing Job Summary

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)	255.0	sacks	12.4	2.11	11.61		11.61
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.609 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	135.0	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		69.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
<b>Rates</b>									
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 					



RECEIVED

HALLIBURTON

JUN 19 2013

## Cementing Job Summary

REGULATORY DEPT

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3000353	Quote #:	Sales Order #: 900486653
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ., Quincy	
Well Name: Pepper 3419	Well #: 4-4H	API/UWI #: 15-033-21711	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 33 Township 33S Range 19W			
Contractor: Lariat		Rig/Platform Name/Num: 41	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: HEIDT, JAMES	MBU ID Emp #: 517102

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	9	442123	HEIDT, JAMES Nicholas	9	517102	SEARS, LOGAN Partick	9	544024

## 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
6/4/2013	9	1.25						

TOTAL Total is the sum of each column separately

## Job

Formation Name	Formation Depth (MD)	Top	Bottom	Job Times	Date	Time	Time Zone
				Called Out	03 - Jun - 2013	18:00	CST
Form Type			BHST	On Location	04 - Jun - 2013	02:30	CST
Job depth MD	19947.5 m		Job Depth TVD	Job Started	04 - Jun - 2013	06:58	CST
Water Depth			Wk Ht Above Floor	Job Completed	04 - Jun - 2013	08:13	CST
Perforation Depth (MD)	From		To	Departed Loc	04 - Jun - 2013	10:30	CST

## 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
8.75" Open Hole				8.75				900.	6060.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	6060.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	950.		

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

# 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	Rig Supplied Gel Water		30.00	bbbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	170.0	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			bbbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	229 BBLS	Shut In: Instant		Lost Returns	NO	Cement Slurry	71 BBL	Pad	
Top Of Cement	1729 FT	5 Min		Cement Returns	NO	Actual Displacement	229BBL	Treatment	
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job	
Rates									
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	84 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					

