

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: Saturday, March 10, 2014

State Seventy Holes A11-E14-3 HNC

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **State Seventy Holes A11-E14-3 HNC** cement **Intermediate** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton [Ft. Lupton]

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 324725	Ship To #: 3282831	Quote #:	Sales Order #: 901177020
Customer: BONANZA CREEK ENERGY	Customer Rep: Joel, Tim		
Well Name: State Seventy Holes	Well # A11-E14-3HNC	API/UWI #: 05-123-38885-00	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Contractor: Ensign	Rig/Platform Name/Num: Ensign 136		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	Job Type: Cement Intermediate Casing		
Sales Person: FLING, MATTHEW	Srv Supervisor: BULINSKI, MATTHEW	MBU ID Emp #: 483865	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ALVAREZ, BRANDON Paul	7.5	555850	BULINSKI, MATTHEW J	7.5	483865	GLEESON, JAY Christophe	7.5	560216
JEWELL, WILLIAM Uris	7.5	503358	VIATOR, JASON Randolph	7.5	550394			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248062C	53 mile	10679720C	53 mile	11398319	53 mile	11526488	53 mile
11542778	53 mile	11562544C	53 mile	11605598	53 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3-8-14	7.5	3						
TOTAL			Total is the sum of each column separately					

Job

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom	Called Out	08 - Mar - 2014	06:30	MST
Form Type		BHST		On Location	08 - Mar - 2014	12:15	MST
Job depth MD	6609. ft	Job Depth TVD	6250. ft	Job Started	08 - Mar - 2014	15:39	MST
Water Depth		Wk Ht Above Floor		Job Completed	08 - Mar - 2014	18:08	MST
Perforation Depth (MD)	From		To	Departed Loc	08 - Mar - 2014	19:30	MST

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
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Sales/Rental/3rd Party (HES)


Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW, ZI	70	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	70	MI		
SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA		
CLR,FLT,7 LG 8RD 23-26PPF,2-3/4	1	EA		
KIT,HALL WELD-A	2	EA		
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			6552		Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

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Cementing Job Summary

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	MUD FLUSH III	MUD FLUSH III - SBM (528788)	24.00	bbl	8.4	.0	.0	.0		
2	EconoCem B2	ECONOCCEM (TM) SYSTEM (452992)	550.0	sacks	12.5	1.89	10.25		10.25	
		2 % HALLIBURTON GEL, 50 LB SK (100064040)								
		0.125 lbm POLY-E-FLAKE (101216940)								
3	ExpandaCem B1	EXPANDACCEM (TM) SYSTEM (452979)	240.0	sacks	14.6	1.45	6.05		6.05	
		6.05 Gal FRESH WATER								
4	Mud Displacement			bbl	9.8	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	251	Shut In: Instant		Lost Returns	0	Cement Slurry	247	Pad		
Top Of Cement	Surface	5 Min		Cement Returns	30	Actual Displacement	251	Treatment		
Frac Gradient		15 Min		Spacers	44	Load and Breakdown		Total Job	542	
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	0 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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Insert Float										Plug Container			
Stage Tool										Centralizers			

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Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	03/08/2014 16:04		5	10	44		370.0	10bbls H2O spacer
Pump Lead Cement	03/08/2014 16:07		5.5	185	229		170.0	550sks EconoCem, 12.5ppg, 1.89yield, 10.25gal/sk, Mixed with rig water and # verify by pressurized mud scales
Pump Tail Cement	03/08/2014 16:52		6	62	291		200.0	240sks ExpandaCem, 14.6ppg, 1.45yield, 6.05gal/sk, Mixed with rig water and # verify by pressurized mud scales
Shutdown	03/08/2014 17:05							
Drop Top Plug	03/08/2014 17:06							Pre-Loaded
Pump Displacement	03/08/2014 17:07		8	251	542		1500. 0	Mud Displacement, Good returns throughout... 30bbls Cmt to surface
Bump Plug	03/08/2014 17:44		3				1664. 0	Slowed down last 20bbls to 3bbl/min to Bump.. Plug landed at 1664psi and brought to 2450psi
Other	03/08/2014 17:45						2450. 0	2000psi Csg test 10mins
Check Floats	03/08/2014 17:53							Floats held
Other	03/08/2014 17:55							1000psi Csg test 10mins
End Job	03/08/2014 17:55							
Safety Meeting - Pre Rig- Down	03/08/2014 18:10							JSA on rigging down bulk trucks and iron from rig
Rig-Down Equipment	03/08/2014 18:20							
Rig-Down Completed	03/08/2014 19:15							
Safety Meeting - Departing Location	03/08/2014 19:15							JSA on Location walk around, Pre-tripping trucks, and driving back to brighton yard

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Ship To # : 3282831

Quote # :

Sales Order # : 901177020

SUMMIT Version: 7.3.0124

Saturday, March 08, 2014 06:21:00