

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: September 27, 2014

State Seventy Holes F-J-6HNB Surface

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **State Seventy Holes F-J-6HNB** cement **Surface** 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 #: 3545459		Quote #:		Sales Order #: 0901673000					
Customer: BONANZA CREEK ENERGY				Customer Rep: Bonanza Rep							
Well Name: STATE SEVENTY HOLES			Well #: F-J-6HNB			API/UWI #: 05-123-39862-00					
Field: WATTENBERG		City (SAP): KERSEY		County/Parish: WELD			State: COLORADO				
Legal Description: 6-4N-62W-828FNL-1678FWL											
Contractor:				Rig/Platform Name/Num: Cade 26							
Job BOM: 7521											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA/HB21661				Srcv Supervisor: Nathan McBride							
Job											
Formation Name											
Formation Depth (MD)		Top			Bottom						
Form Type					BHST						
Job depth MD		493ft			Job Depth TVD						
Water Depth					Wk Ht Above Floor						
Perforation Depth (MD)		From			To						
Well Data											
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft	
Casing		9.625	8.921	36	STC	J-55	0	493		0	
Open Hole Section			13.5				0	493		0	
Casing		7	6.276	26	LTC	P-110	0	6850			
Open Hole Section			8.75				493	6850	0		
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	7			6850		Top Plug	7		HES		
Float Shoe	7					Bottom Plug	7		HES		
Float Collar	7					SSR plug set	7		HES		
Insert Float	7					Plug Container	7		HES		
Stage Tool	7					Centralizers	7		HES		
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 /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III			20.0	bbl	8.4			6	
42 gal/bbl		FRESH WATER									

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Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
2	Lead Cement	SWIFTCEM (TM) SYSTEM	200	sack	13.5	1.75		6	9.23
9.23 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	32.9	bbl	8.33			6	
Cement Left In Pipe		Amount 42 ft	Reason		Shoe Joint				
Comment									

1.6 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Comment
Event	1	Other	Arrive at Location	9/19/2014	10:15:00	USER				Requested on Location 1000. Rig Running First joint of casing
Event	2	Other	Casing on Bottom	9/19/2014	12:55:00	USER				
Event	3	Other	Circulate Well	9/19/2014	12:58:00	USER				
Event	4	Other	Rig Up Equipment	9/19/2014	13:00:00	USER				Rig up to V door
Event	5	Other	Assessment of Location	9/19/2014	13:26:53	USER	0.00	11.85	-46.00	Hazard Hunt, Review Third Party Activities
Event	6	Other	Pre Rig Up Safety Meeting	9/19/2014	13:26:54	USER	0.00	11.83	-46.00	Discuss fluid sources and lay out of iron Wait till Casing crew clears rig up area.
Event	7	Other	Rig Up Completed	9/19/2014	13:30:00	USER	0.00	11.83	-46.00	
Event	8	Other	Pre Job Safety Meeting	9/19/2014	13:50:00	USER	0.00	8.25	-40.00	With Customer and Rig Crew
Event	9	Start Job	Start Job	9/19/2014	14:16:55	COM6				
Event	10	Other	Test Lines	9/19/2014	14:20:42	USER	0.00	8.37	3305.00	3059
Event	11	Pump Spacer 1	Mud Flush	9/19/2014	14:23:59	COM6				20bbbls
Event	12	Pump Lead Cement	Pump Lead Cement	9/19/2014	14:42:34	COM6				200ks 62.3bbbls @13.5ppg
Event	13	Drop Top Plug	Drop Top Plug	9/19/2014	15:01:46	COM6	0.00	13.52	4.00	
Event	14	Pump Displacement	Pump Displacement	9/19/2014	15:04:19	COM6	0.40	9.97	12.00	Fresh Water
Event	15	Bump Plug	Bump Plug	9/19/2014	15:15:53	USER	2.30	8.44	129.00	32bbbls Displaced 15bbbls cement to Pit
Event	16	Check Floats	Check Floats	9/19/2014	15:19:38	USER	0.00	8.44	58.00	1.5bbbls Back
Event	17	Other	Casing Pressure Test	9/19/2014	15:22:10	USER	0.00	8.44	997.00	1000psi 10 minutes
Event	18	End Job	End Job	9/19/2014	15:33:06	COM6	0.00	8.32	6.00	

2.1 Custom Graph

