

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				Srv 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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Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Lead Cement	SWIFTCM (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 ft3/sack	Mix Fluid Gal	Rate bbl/min	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				20bbls
Event	12	Pump Lead Cement	Pump Lead Cement	9/19/2014	14:42:34	COM6				200ks 62.3bbls @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	32bbls Displaced 15bbls cement to Pit
Event	16	Check Floats	Check Floats	9/19/2014	15:19:38	USER	0.00	8.44	58.00	1.5bbls 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