

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: July 26, 2014

Pronghorn D-X-9HNB

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Pronghorn D-X-9HNB** 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 #: 3471379		Quote #:		Sales Order #: 0901526725					
Customer: BONANZA CREEK ENERGY				Customer Rep: MARTIN CABELL							
Well Name: PRONGHORN			Well #: D-X-9HNB			API/UWI #: 05-123-39286-00					
Field: WATTENBERG		City (SAP): MASTERS		County/Parish: WELD		State: COLORADO					
Legal Description: SW SW-9-5N-61W-1273FSL-260FWL											
Contractor: CADE DRLG					Rig/Platform Name/Num: CADE 22						
Job BOM: 7522											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA/HX38199					Srcv Supervisor: Kendall Broom						
Job											
Formation Name											
Formation Depth (MD)		Top			Bottom						
Form Type					BHST						
Job depth MD		6567ft			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			0	410			
Casing		7	6.276	26		P-110	0	6850			
Open Hole Section			8.75				410	6850			
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make			
Guide Shoe	7	1		6567	Top Plug	7	1	HES			
Float Shoe	7	1			Bottom Plug	7	1	HES			
Float Collar	7	1			SSR plug set	7	1	HES			
Insert Float	7	1			Plug Container	7	1	HES			
Stage Tool	7	1			Centralizers	7	1	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	11.5 lb/gal Tuned Spacer III	Tuned Spacer III	20	bbl	11.5	3.75		6			
148.73 lbm/bbl			BARITE, BULK (100003681)								
34 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	ECONOCEM (TM) SYSTEM	510	sack	12.5	1.89		5	10.23	
10.23 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	Tail Cement	EXPANDACEM (TM) SYSTEM	225	sack	14.6	1.45		5	6.04	
6.04 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	
4	Displacement	Displacement	248	bbl	8.33					
Cement Left in Pipe		Amount	42 ft		Reason			Shoe Joint		
Comment										