

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: January 24, 2014

Pronghorn 12-42-28HNC

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Pronghorn 12-42-28HNC** 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 #: 3274568		Quote #:		Sales Order #: 901060888							
Customer: BONANZA CREEK ENERGY OPERATING CO				Customer Rep: Savage, Joe									
Well Name: PRONGHORN		Well #: 12-42-28HNC		API/UWI #: 05-123-38634									
Field: WATTENBURG		City (SAP): MASTERS		County/Parish: Weld		State: Colorado							
Contractor: CADE		Rig/Platform Name/Num: Cade 22											
Job Purpose: Cement Surface Casing													
Well Type: Development Well				Job Type: Cement Surface Casing									
Sales Person: GREGORY, JON		Srcv Supervisor: MCBRIDE, NATHAN		MBU ID Emp #: 313810									
Job Personnel													
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #					
ALVARADO, JOSE Angel	4.8	505918	MCBRIDE, NATHAN Charles	4.8	313810	TORREY, SPENCER Kenneth	4.8	549837					
Equipment													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way						
11748359		11908438											
Job Hours													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours					
TOTAL													
<i>Total is the sum of each column separately</i>													
Job				Job Times									
Formation Name				Date	Time	Time Zone							
Formation Depth (MD)	Top	Bottom		Called Out	23 - Jan - 2014	12:00	MST						
Form Type	BHST			On Location	23 - Jan - 2014	16:30	MST						
Job depth MD	780. ft	Job Depth TVD	780. ft	Job Started	23 - Jan - 2014	19:01	MST						
Water Depth	Wk Ht Above Floor			Job Completed	23 - Jan - 2014	20:25	MST						
Perforation Depth (MD)	From	To		Departed Loc	23 - Jan - 2014	21:15	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		
13 1/2" OPEN HOLE				13.5					780.				
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55		780.				
Sales/Rental/3rd Party (HES)													
Description	Qty	Qty uom	Depth	Supplier									
SHOE,FLT,TROPHY SEAL,9 5/8 8RD	1	EA											
CLR,FLT,TROPHY SEAL, 9-5/8 8RD	1	EA											
PLUG,CMTG, TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA											
KIT,HALL WELD-A	2	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 Fid		Conc		Inhibitor		Conc		Sand Type		Size	Qty		
Fluid Data													
Stage/Plug #: 1													

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Cementing Job Summary

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	Dyed Water Spacer		20.00	bbl	8.33	.0	.0	.0	
2	13.5 SWIFCEM B1	SWIFCEM (TM) SYSTEM (452990)	320.0	sacks	13.5	1.75	9.26		9.26
	9.26 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
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
Rates									
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				
					<i>Joe Pungel</i>				

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Cementing Job Log

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Field: WATTENBURG	City (SAP): MASTERS	County/Parish: Weld	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: CADE		Rig/Platform Name/Num: Cade 22	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: GREGORY, JON		Srvc Supervisor: MCBRIDE, NATHAN	MBU ID Emp #: 313810

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Casing on Bottom	01/23/2014 16:25							
Circulate Well	01/23/2014 16:26							
Arrive at Location from Service Center	01/23/2014 16:30							Rig still running pipe in hole
Assessment Of Location Safety Meeting	01/23/2014 16:35							Hazard Hunt and Discuss 3rd party activities
Pre-Rig Up Safety Meeting	01/23/2014 16:40							Review JSA and Discuss Rig up layout
Rig-Up Equipment	01/23/2014 16:45							
Rig-Up Completed	01/23/2014 17:30							
Comment	01/23/2014 17:50							Truck needed to regen prior to job
Pump Water	01/23/2014 18:02		2	2			20.0	Fill Lines
Pre-Job Safety Meeting	01/23/2014 18:30							With Customer and 3rd Parties involved
Start Job	01/23/2014 19:01							
Test Lines	01/23/2014 19:04						2027.0	
Pump Water	01/23/2014 19:08		5	20			80.0	
Pump Cement	01/23/2014 19:14		5	99.7			70.0	320sk @ 13.5ppg, 1.75yield, 9.26gal/sk
Shutdown	01/23/2014 19:37							
Drop Top Plug	01/23/2014 19:39							
Pump Displacement	01/23/2014 19:42		5	56.6			162.0	Fresh Water

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