

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: June 20, 2013

State Antelope T-28-21XRLNB Intermediate

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **State Antelope T-28-21XRLNB** 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]

Cementing Job Summary

Sold To #: 324725				Ship To #: 3004854				Quote #:				Sales Order #: 900527432											
Customer: BONANZA CREEK ENERGY								Customer Rep: Bradley, John															
Well Name: State Antelope				Well #: T-28-21XRLNB				API/UWI #: 05-123-36879															
Field: WATTENBERG				City (SAP): MASTERS				County/Parish: Weld				State: Colorado											
Lat: N 40.364 deg. OR N 40 deg. 21 min. 51.804 secs.								Long: W 104.324 deg. OR W -105 deg. 40 min. 33.96 secs.															
Contractor: CADE				Rig/Platform Name/Num: Cade 22																			
Job Purpose: Cement Intermediate Casing																							
Well Type: Development Well						Job Type: Cement Intermediate Casing																	
Sales Person: PLIENESS, RYAN						Srcv Supervisor: SMITH, AARON				MBU ID Emp #: 518187													
Job Personnel																							
HES Emp Name			Exp Hrs	Emp #	HES Emp Name			Exp Hrs	Emp #	HES Emp Name			Exp Hrs	Emp #									
BOURGEOIS, KEVIN Paul			5.5	459092	DEY, JERRY A			5.5	505015	Onuorah, Theodore			5.5	546822									
REYNOLDS, SCOTT Arthur			5.5	522540	SMITH, AARON David			5.5	518187														
Equipment																							
HES Unit #		Distance-1 way		HES Unit #		Distance-1 way		HES Unit #		Distance-1 way		HES Unit #		Distance-1 way									
10246780C		68 mile		10988836C		68 mile		11019824C		68 mile		11398490		68 mile									
11808819		68 mile		11923776C		68 mile		12010173		68 mile													
Job Hours																							
Date		On Location Hours		Operating Hours		Date		On Location Hours		Operating Hours		Date		On Location Hours		Operating Hours							
TOTAL								Total is the sum of each column separately															
Job												Job Times											
Formation Name								Date				Time		Time Zone									
Formation Depth (MD) Top				Bottom				Called Out				19 - Jun - 2013		09:00		MST							
Form Type				BHST				On Location				19 - Jun - 2013		14:30		MST							
Job depth MD				6586. ft				Job Depth TVD				5800. ft		Job Started				19 - Jun - 2013		16:36		MST	
Water Depth				Wk Ht Above Floor				8. ft				Job Completed				19 - Jun - 2013		18:59		MST			
Perforation Depth (MD) From				To				Departed Loc				19 - Jun - 2013		20:00		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										
8 3/4" Open Hole Section					8.75					467.	6696.												
7" Intermediate Casing		Unknown		7.	6.276	26.			P-110		6690.		5815.										
Surface Casing		Unknown		9.625	8.921	36.			J-55		467.												
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 Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty											
Fluid Data																							
Stage/Plug #: 1																							

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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 B3	ECONOCEM (TM) SYSTEM (452992)	516.0	sacks	12.5	1.89	10.29		10.29
2 %		HALLIBURTON GEL, 50 LB SK (100064040)							
3	ExpandaCem B1	EXPANDACEM (TM) SYSTEM (452979)	253.0	sacks	14.6	1.46	6.08		6.08
6.08 Gal		FRESH WATER							
4	Mud Displacement			bbl	9.8	.0	.0	.0	
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	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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*Cementing Job Log**The Road to Excellence Starts with Safety*

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Field: WATTENBERG	City (SAP): MASTERS	County/Parish: Weld	State: Colorado
Legal Description:			
Lat: N 40.364 deg. OR N 40 deg. 21 min. 51.804 secs.		Long: W 104.324 deg. OR W -105 deg. 40 min. 33.96 secs.	
Contractor: CADE	Rig/Platform Name/Num: Cade 22		
Job Purpose: Cement Intermediate Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Intermediate Casing		
Sales Person: PLIENESS, RYAN	Srv Supervisor: SMITH, AARON	MBU ID Emp #: 518187	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	06/19/2013 14:30							With all Equipment and Materials.
Casing on Bottom	06/19/2013 14:30							
Circulate Well	06/19/2013 14:30							
Assessment Of Location Safety Meeting	06/19/2013 14:40							Hazard Hunt with crew.
Pre-Rig Up Safety Meeting	06/19/2013 15:00							Covered rig-up JSA with crew., waiting for casing crew to rig down.
Rig-Up Equipment	06/19/2013 15:30							
Rig-Up Completed	06/19/2013 16:00							
Pre-Job Safety Meeting	06/19/2013 16:15							With Customer and Rig Crew
Start Job	06/19/2013 16:36							
Test Lines	06/19/2013 16:48							@3500 PSI
Pump Spacer 1	06/19/2013 16:53		5	10				Fresh Water
Pump Spacer 2	06/19/2013 16:55		5	24				Mud Flush
Pump Spacer 1	06/19/2013 17:00		5	10				Fresh Water
Pump Lead Cement	06/19/2013 17:01		6.5	173			250.0	516sk @12.5ppg, 1.89 yield, 10.29 gal/sk
Pump Tail Cement	06/19/2013 17:35		4.5	65			200.0	253sk @ 14.6ppg, 1.46 yield, 6.08 gal/sk
Shutdown	06/19/2013 18:05							
Clean Lines	06/19/2013 18:06			20				Washed up on top of plug, first 20 bbls of displacement

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SUMMIT Version: 7.3.0081

Wednesday, June 19, 2013 07:40:00

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Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	06/19/2013 18:06							Pre-loaded, verified by driller
Pump Displacement	06/19/2013 18:06		8.5	210			1500. 0	Mud
Spacer Returns to Surface	06/19/2013 18:38			180				@180 bbls displacement, 44 bbls to the pit
Cement Returns to Surface	06/19/2013 18:45			230				@226 bbls displacement, 24 bbls to the pit
Bump Plug	06/19/2013 18:50						1776. 0	@500 over
Check Floats	06/19/2013 18:52							Floats Good
End Job	06/19/2013 18:59							Thanks Aaron Smith and Crew.

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