

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: February 14, 2014

State Antelope U41-Y44-30HNB Intermediate

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **State Antelope U41-Y44-30HNB** 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]

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 324725		Ship To #: 3270224		Quote #:		Sales Order #: 901112977	
Customer: BONANZA CREEK ENERGY				Customer Rep: Bradley, John			
Well Name: State Antelope			Well #: U41-Y44-30HNB		API/UWI #: 05-123-38588		
Field: WATTENBERG		City (SAP): KERSEY		County/Parish: Weld		State: Colorado	
Lat: N 40.377 deg. OR N 40 deg. 22 min. 37.2 secs.				Long: W 104.36 deg. OR W -105 deg. 38 min. 24 secs.			
Contractor: CADE			Rig/Platform Name/Num: Cade 26				
Job Purpose: Cement Intermediate Casing							
Well Type: Development Well			Job Type: Cement Intermediate Casing				
Sales Person: PLIENESS, RYAN			Srcv Supervisor: BULINSKI, MATTHEW			MBU ID Emp #: 483865	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BULINSKI, MATTHEW J	8	483865	JEWELL, WILLIAM Uris	8	503358	MILLS, KENDALL R	8	557380
TAMEZ, ENRIQUE Rodriguez	8	472034	Brendan	8	487782			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866497C	50 mile	10988836C	50 mile	11064535	50 mile	11542778	50 mile
11562570C	50 mile	11605598	50 mile	11764052	50 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2-14-14	8	2						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	14 - Feb - 2014	04:30	MST
Job depth MD	6818. ft	Job Depth TVD	Job Started	14 - Feb - 2014	09:10	MST
Water Depth		Wk Ht Above Floor	Job Completed	14 - Feb - 2014	11:12	MST
Perforation Depth (MD) From		To	Departed Loc	14 - Feb - 2014	12:30	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				433.	6820.		
7" Intermediate Casing	Unknown		7.	6.276	26.		P-110		6818.		5900.
Surface Casing	Unknown		9.625	8.921	36.		J-55		433.		

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				6776	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

Summit Version: 7.3.0109

Friday, February 14, 2014 11:34:00

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Cementing Job Summary

Stage/Plug #: 1										
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	ECONOCER (TM) SYSTEM (452992)	548.0	sacks	12.5	1.89	10.28		10.28	
2 %		HALLIBURTON GEL, 50 LB SK (100064040)								
3	ExpandaCem B1	EXPANDACER (TM) SYSTEM (452979)	256.0	sacks	14.6	1.46	6.07		6.07	
6.07 Gal		FRESH WATER								
4	Mud Displacement			bbl	9.8	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	259.5	Shut In: Instant		Lost Returns	0	Cement Slurry	251	Pad		
Top Of Cement	1	5 Min		Cement Returns	0	Actual Displacement	259	Treatment		
Frac Gradient		15 Min		Spacers	44	Load and Breakdown		Total Job	554.6	
Rates										
Circulating	8	Mixing	8	Displacement	8	Avg. Job	8			
Cement Left In Pipe	Amount	41.09 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

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Legal Description:			
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Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: PLIENESS, RYAN		Srv Supervisor: BULINSKI, MATTHEW/MBU ID Emp #: 483865	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/14/2014 00:00							
Depart Yard Safety Meeting	02/14/2014 03:00							JSA on Job Materials, Pre-Tripping Trucks, and Driving to Location
Arrive at Location from Service Center	02/14/2014 04:30							Arrived On Time and rig is Running Csg at the Curve... Finished Running Csg at 07:30
Assessment Of Location Safety Meeting	02/14/2014 05:45							Hazard Hunt on location before spotting in trucks
Safety Meeting - Pre Rig-Up	02/14/2014 07:30							JSA on rigging up bulk trucks and iron to rig
Rig-Up Equipment	02/14/2014 07:40							
Rig-Up Completed	02/14/2014 08:20							
Safety Meeting - Pre Job	02/14/2014 08:45							JSA with Company Man, Rig Hands, and HES hands on pump schedule
Start Job	02/14/2014 09:10							
Test Lines	02/14/2014 09:12							4000psi Pressure Test Lines to Rig Floor
Pump Spacer 1	02/14/2014 09:15		3	10			230.0	10bbls H2O Spacer
Pump Spacer 2	02/14/2014 09:20		6	24	34		580.0	24bbls Mud flush Spacer
Pump Spacer 1	02/14/2014 09:25		6	10	44		700.0	10bbls H2O Spacer
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Pump Lead Cement	02/14/2014 09:27		8	184.5	228.5		693.0	548sks Econocem, 12.5ppg, 1.89yield, 10.28gal/sk, Mixed with rig water and # verify by pressurized mud scales
Pump Tail Cement	02/14/2014 09:51		4.5	66.6	295.1		228.0	256sks Expandacem, 14.6ppg, 1.46yield, 6.07gal/sk, Mixed with rig water and # verify by pressurized mud scales
Shutdown	02/14/2014 10:09							
Drop Top Plug	02/14/2014 10:11							Pre-Loaded
Pump Displacement	02/14/2014 10:12		8	259.5			1632. 0	H2O Displacement Good Returns throughout.... 44bbls Spacer to Surface
Bump Plug	02/14/2014 10:55		3				2020. 0	Slowed down last 20bbls to 3bbl/min to bump... PLug landed at 2020psi and brought to 2864psi
Other	02/14/2014 10:55						1730. 0	1500psi Csg Test 15mins
Check Floats	02/14/2014 11:12							
End Job	02/14/2014 11:12							
Safety Meeting - Pre Rig- Down	02/14/2014 11:15							JSA on rigging down bulk trucks and iron from rig
Rig-Down Equipment	02/14/2014 11:30							
Rig-Down Completed	02/14/2014 12:15							
Safety Meeting - Departing Location	02/14/2014 12:20							JSA on Location walk around, pre-tripping trucks, and Driving back to Brighton Yard

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