

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY RESOURCES, LLC

For:

Date: Thursday, February 19, 2015

11-14-3HNB

Case 1

Job Date: Tuesday, April 08, 2014

Sincerely,

Sheldon Cotts

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **State Seventy 11-14-3 HNB** 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 [Brighton]

Job Times

	Date	Time	Time Zone
Called Out Time:	4/7/14	1800	MST
Arrived On Location At:	4/7/14	2300	MST
Job Started At:	4/8/14	0845	MST
Job Completed At:	4/8/14	1000	MST

1.2 Planned Pumping Schedule

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 324725	Ship To #: 3282856	Quote #: 0021850132	Sales Order #: 0901251661							
Customer: BONANZA CREEK ENERGY		Customer Rep: N/A								
Well Name: STATE SEVENTY HOLES	Well #: 11-14-3 HNB	API/UM #: 05-123-38882-00								
Field: WILDCAT	City (SAP): KER	County/Parish: WELD	State: COLORADO							
Legal Description: NW NW-3-4N-62W-364FNL-635FWL										
Contractor:		Rig/Platform Name/Num: Cade 26								
Job BOM: 7521										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HX46524		Svc Supervisor: Vaughn Oteri								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type		BHST								
Job depth MD	476ft	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	410		
Open Hole Section			13.5				0	410		
Casing		7	6.276	26	LTC	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			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		Acid Type		Qty	Conc	
Treatment Fld		Conc		Inhibitor		Sand Type		Size	Qty	
Fluid Data										
Stage/Plug #: 1										
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	
1	Mud Flush III (Powder)	Mud Flush III	20	bbl	8.4			6		
42 gal/bbl		FRESH WATER								

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(v. 4.1.107)

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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/mi n	Total Mix Fluid Gal
2	Lead Cement	SWIFTCEM (TM) SYSTEM	190	sack	13.5	1.751		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/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	33	bbl	8.33			6	
Cement Left In Pipe		Amount	42 ft		Reason		Shoe Joint		
Comment 10BBL OF CEMENT BACK TO SURFACE									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Mudcup Density (ppg)	Comments
Event	1	Call Out	Call Out	4/7/2014	18:00:00	USER					CALL OUT FROM ARS OFFICE
Event	2	Arrive At Loc	Arrive At Loc	4/7/2014	23:00:00	USER					ARRIVE ON LOCATION MET WITH COMPANY REP ADVISED THAT THEY WERE JUST ABOUT TO START TRIPPING DRILL PIPE
Event	3	Casing on Bottom	Casing on Bottom	4/8/2014	08:00:00	USER	0.00	-0.63	0.00	0.00	ADVISED BY RIG CREW CASING WAS ON BOTTOM AND WAS SAFE TO RIG UP TO WELL
Event	4	Start Job	Start Job	4/8/2014	08:45:08	COM6	2.00	7.11	0.00	0.00	PRELOADED CEMENT HEAD WITH PLUG WITNESSED BY COMPANY REP , HELD SAFTY MEETING IN DOG HOUSE WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESS
Event	5	Test Lines	Test Lines	4/8/2014	08:47:08	COM6	15.00	7.46	0.00	0.00	PRESSURE TESTED PUMPS AND LINES FOUND NO LEAKS AND PRESSURE HELD GOOD
Event	6	Pump Spacer 1	Pump Spacer 1	4/8/2014	08:51:59	COM6	4.00	7.50	0.00	0.00	PUMPED 20BBL OF WATER WITH RED TRACER DYE @2BPM 30PSI
Event	7	Pump Cement	Pump Cement	4/8/2014	09:00:35	COM6	39.00	7.47	2.00	0.00	MIXED 59BBL OF 13.5PPG SWIFTCM @6BPM 130PSI
Event	8	Shutdown	Shutdown	4/8/2014	09:16:32	COM6	15.00	12.85	0.00	0.00	
Event	9	Drop Top Plug	Drop Top Plug	4/8/2014	09:16:48	COM6	9.00	12.84	0.00	0.00	RELEASED PLUG WITNESSED

											BY COMPANY REP
Event	10	Pump Displacement	Pump Displacement	4/8/2014	09:19:34	COM6	9.00	12.92	0.00	0.00	PUMPED 33BBL OF FRESH WATER TO DISPLACE CEMENT @3BPM 68PSI
Event	11	Bump Plug	Bump Plug	4/8/2014	09:37:42	COM6	1274.00	8.17	0.00	0.00	BUMP PLUG 500PSI OVER FINAL PUMP PRESURE @2BPM 1296PSI
Event	12	Other	Other	4/8/2014	09:39:39	COM6	1273.00	8.20	0.00	0.00	RELEASE PRSSURE BACK TO PUMP TRUCK TO CHECK FLOATS , FLOATS HELD GOOD
Event	13	Pressure Up Well	Pressure Up Well	4/8/2014	09:41:42	COM6	8.00	8.19	0.00	0.00	PRESSURE UP WELL TO TEST CASING PER COMPANY POLICY
Event	14	End Job	End Job	4/8/2014	10:00:18	COM6	9.00	8.08	0.00	0.00	

2.2 Custom Graph

