

HALLIBURTON

iCem[®] Service

SRC ENERGY INC

Bost Farm 41N-8C-L Production

Sincerely,
Meghan Jacobs

Legal Notice

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Bost Farm 41N-8C-L** cement **Production** 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.

Approximately 81 bbls of cement were returned to surface.

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 Fort Lupton

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 359915	Ship To #: 0003902212	Quote #: 0022517391	Sales Order #: 0905299650							
Customer: SRC ENERGY INC-EBUS		Customer Rep: Lovel Young								
Well Name: BOST FARM	Well #: 41N-8C-L	API/UWI #: 05-123-47697-00								
Field: WATTENBERG	City (SAP): GREELEY	County/Parish: WELD	State: COLORADO							
Legal Description: SW NW-7-5N-66W-1377FNL-941FWL										
Contractor:		Rig/Platform Name/Num:								
Job BOM: 7523 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HB41307		Srv Supervisor: Kendall Broom - H194727								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type	BHST									
Job depth MD	17635ft	Job Depth TVD								
Water Depth		Wk Ht Above Floor								
Perforation Depth (MD)	From	To								
Well Data										
Description	New / Used	Size in	ID in	Weight lbn/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36	LTC	J-55	0	1811	0	0
Casing		5.5	4.778	20	TXP-BTC	P110IC	0	17621	0	0
Open Hole Section			8.5				1790	17635	1758	7280
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe	5.5				Top Plug	5.5		HES		
Float Shoe	5.5			17621	Bottom Plug	5.5		HES		
Float Collar	5.5				SSR plug set	5.5		HES		
Insert Float	5.5				Plug Container	5.5	1	HES		
Stage Tool	5.5				Centralizers	5.5		HES		
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	Tuned Spacer III	Tuned Spacer III	40	bbl	11.5	3.87				
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	
2	ElastiCem Cap	ELASTICEM (TM) SYSTEM	430	sack	13.2	1.57		8	7.52	

last updated on 11/29/2018 11:59:54 AM

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Created: Thursday, November 29, 2018

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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/min	Total Mix Fluid Gal
3	LockCem	SBM LOCKCEM CEMENT BBL	353	sack	13.3	1.59		8	7.61
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
4	ElastiCem Cap	ELASTICEM (TM) SYSTEM	430	sack	13.2	1.57		8	7.52
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
5	NeoCem	NeoCem TM	1169	sack	13.2	2.06		8	9.83
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
6	MMCR Displacement	MMCR Displacement	20	bbl	8.34				
0.50 gal/bbl		MICRO MATRIX CEMENT RETARDER, 5 GAL PAIL (100003781)							
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
7	Water	Water	297	bbl	8.33				
1 gal/Mgal		CLA-WEB - BULK (101985043)							
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
8	MMCR Displacement	MMCR Displacement	70	bbl	8.34				
0.50 gal/bbl		MICRO MATRIX CEMENT RETARDER, 5 GAL PAIL (100003781)							
Cement Left In Pipe		Amount	40 ft		Reason			Shoe Joint	
Mix Water: pH ##		Mix Water Chloride:### ppm				Mix Water Temperature:## °F °C			
Cement Temperature:## °F °C		Plug Displaced by:## lb/gal kg/m3 XXXX				Disp. Temperature:## °F °C			
Plug Bumped? Yes/No		Bump Pressure:#### psi MPa				Floats Held? Yes/No			
Cement Returns:## bbl m3		Returns Density:## lb/gal kg/m3				Returns Temperature:## °F °C			
Comment 81bbbls of cement to surface									

2.0 Real-Time Job Summary

2.1 Job Event Log

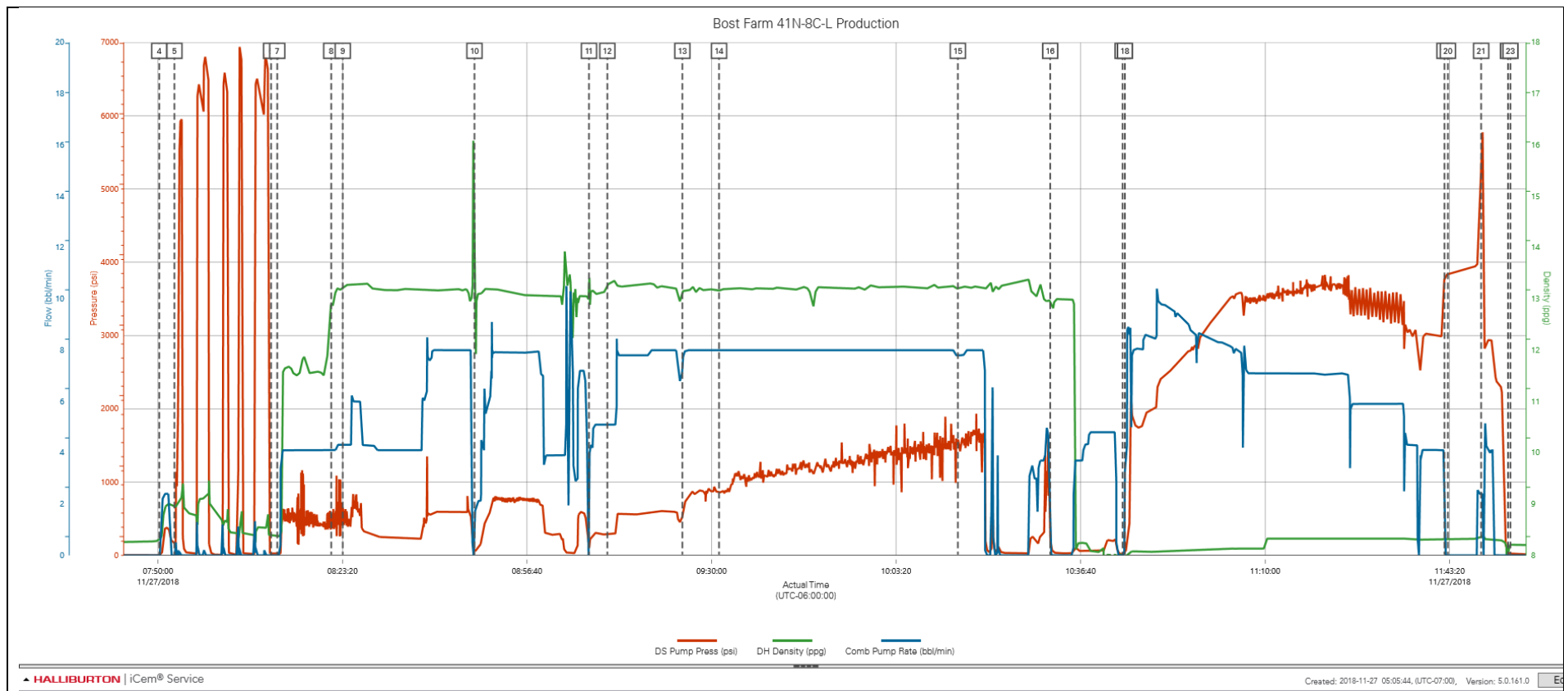
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Pumping Pressure (1) (psi)	Slurry Density (1) (ppg)	Combined Slurry Rate (1) (bbl/min)	Comments
Event	1	Pump Cap Cement	Call Out	11/26/2018	21:38:08	USER				8 hour call out for OL at 0300
Event	2	Arrive At Loc	Arrive At Loc	11/27/2018	02:45:47	USER				Crew arrives onn location.
Event	3	Safety Meeting - Pre Job	Safety Meeting - Pre Job	11/27/2018	06:45:13	USER				Discussed job and safety precautions before job.
Event	4	Start Job	Start Job	11/27/2018	07:50:14	COM4				
Event	5	Test Lines	Test Lines	11/27/2018	07:52:58	COM4				Pressure test lines; eKos at 500psi, high pressure at 6500psi.
Event	6	Drop Bottom Plug	Drop Bottom Plug	11/27/2018	08:10:26	USER				Verified by Halliburton rep and Customer.
Event	7	Pump Spacer 1	Pump Spacer	11/27/2018	08:11:32	COM4				Pump 40bbls of TSIII at 11.5ppg
Stage	2	Next Stage	SRC TSIII Spacer 2511221	11/27/2018	08:11:34	USER				
Event	8	Pump Cap Cement	Pump Cap Cement	11/27/2018	08:21:17	COM4				Pump 430sks (120bbls) of 13.2ppg, 1.59cuft/sk, and 7.52gal/sk ElastiCem cap cement.
Stage	3	Next Stage	SRC Cap for LockCem 2497825/11	11/27/2018	08:21:25	USER				
Event	9	Check Weight	Check Weight	11/27/2018	08:23:22	COM4				
Event	10	Pump Lead Cement	Pump Lead Cement	11/27/2018	08:47:10	COM4				Pump 353sks (100bbls) of 13.3ppg, 1.59cuft/sk, and 6.42gal/sk of LockCem lead cement.

Stage	4	Next Stage	SRC LockCem 2497825/10	11/27/2018	08:52:27	USER	
Event	11	Pump Cap Cement	Pump Cap Cement	11/27/2018	09:07:51	COM4	Pump 420sk (117bbls) of 13.2ppg, 1.57cuft/sk, and 7.52gal/sk of ElastiCem cap cement.
Stage	5	Next Stage	SRC Cap for LockCem 2497825/11	11/27/2018	09:08:15	USER	
Event	12	Check Weight	Check Weight	11/27/2018	09:11:10	COM4	
Event	13	Pump Tail Cement	Pump Tail Cement	11/27/2018	09:24:44	COM4	Pump 1169sk (429bbls) of 13.5ppg, 2.06cuft/sk, and 9.83gal/sk of NeoCem cement.
Stage	6	Next Stage	13.2 Thick NeoCem 2505308/6	11/27/2018	09:25:56	USER	
Event	14	Check Weight	Check Weight	11/27/2018	09:31:21	COM4	
Event	15	Check Weight	Check Weight	11/27/2018	10:14:30	COM4	
Event	16	Shutdown	Shutdown	11/27/2018	10:31:10	COM4	Wash pumps and lines.
Event	17	Drop Top Plug	Drop Top Plug	11/27/2018	10:44:16	COM4	Verified by Halliburton rep and Customer.
Event	18	Pump Displacement	Pump Displacement	11/27/2018	10:44:40	COM4	Pump 387bbls of fresh water displacement.
Stage	7	Next Stage	Water	11/27/2018	10:45:38	USER	
Event	19	Bump Plug	Bump Plug	11/27/2018	11:42:24	COM4	Bumped plug at 3650psi after 379bbls of displacement. Spacer was seen at 260bbls away and cement was seen at 298bbls away, for a total of 81bbls of cement back to surface.
Event	20	Check Tubing Or Casing Pressure	Check Tubing Or Casing Pressure	11/27/2018	11:43:01	USER	Casing pressure test held for 10 min
Event	21	Other	Pump Wet Shoe	11/27/2018	11:49:02	USER	Ruptured wet shoe sub at 5800psi, pumped 6bbl wet shoe.

Event	22	Check Floats	Check Floats	11/27/2018	11:53:52	USER	Floats held, 3bbbs back to the truck.
Event	23	End Job	End Job	11/27/2018	11:54:18	COM4	Thank you for choosing Halliburton - Kendall Broom and Crew.

3.0 Attachments

3.1 Bost Farm 41N-8C-L Production – Job Chart with Events



3.2 Bost Farm 41N-8C-L Production – Job Chart without Events

