

HALLIBURTON

iCem[®] Service

SRC ENERGY CORPORATION

United States of America, COLORADO

BOOMERANG 32N-6B-M

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 **Boomerang 32N-6B-M** 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 17bbls of cement 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 [Ft. Lupton]

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 359915		Ship To #: 3823558		Quote #:		Sales Order #: 0904727960				
Customer: SRC ENERGY INC-EBUS				Customer Rep: LOVEL YOUNG						
Well Name: BOOMERANG			Well #: 32N-6B-M			API/UWI #: 05-123-45396-00				
Field: WATTENBERG		City (SAP): GREELEY		County/Parish: WELD		State: COLORADO				
Legal Description: NE NW-5-5N-66W-1347FNL-2327FWL										
Contractor: Precision					Rig/Platform Name/Num: Precision 462					
Job BOM: 7523 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HB41307					Srv Supervisor: Vitali Neverdasov					
Job										
Formation Name										
Formation Depth (MD)		Top			Bottom					
Form Type					BHST					
Job depth MD		15732ft			Job Depth TVD		7150			
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	LTC	J-55	0	1824	0	1824
Casing	0	5.5	4.778	20	BTC	P-110	0	15732	0	7150
Open Hole Section			8.5				1824	15747	1824	7150
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	5.5					Top Plug	5.5	1	WHED	
Float Shoe	5.5	1	N/A	15732		Bottom Plug	5.5	1	WHED	
Float Collar	5.5	1	N/A	15683		SSR plug set	5.5			
Insert Float	5.5					Plug Container	5.5	1	HES	
Stage Tool	5.5					Centralizers	5.5			
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Tuned Spacer III	Tuned Spacer III	40	bbl	11.5	3.8		4		
147.42 lbm/bbl		BARITE, BULK (100003681)								
35.10 gal/bbl		FRESH WATER								
0.50 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)								
0.50 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								

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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	ElastiCem LEAD	ELASTICEM (TM) SYSTEM	998	sack	13.2	1.57		6	7.54
0.15 %		FE-2 (100001615)							
0.30 %		SCR-100 (100003749)							
7.54 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	NeoCem	NeoCem TM	1081	sack	13.2	2.04		8	9.77
9.77 Gal		FRESH WATER							
0.08 %		SCR-100 (100003749)							
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
4	MMCR Displacement	MMCR Displacement	70	bbl	8.34			8	
0.2850 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/mi n	Total Mix Fluid Gal
5	Water	Water	277	bbl	8.33			8	
0.0655 gal/bbl		CLA-WEB - BULK (101985043)							
Cement Left In Pipe		Amount	Reason		WET SHOE				
		0 ft							
Comment : ESTIMATED TOT @ 6105': 17 BBLs OF CEMENT BACK TO SURFACE.									

2.0 Real-Time Job Summary

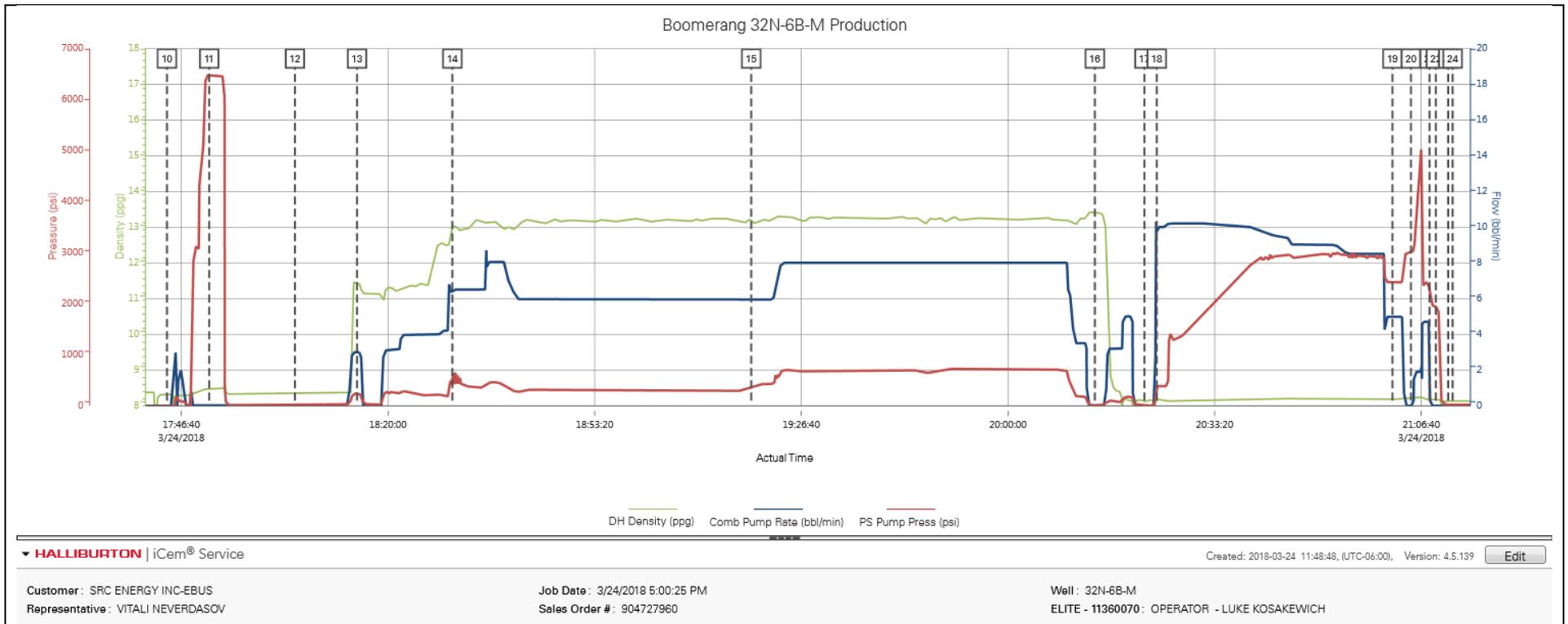
2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Comments
Event	1	Call Out	Call Out	3/24/2018	08:30:00	USER				ON LOCATION @ 14:30
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	3/24/2018	13:20:00	USER				CREW DISCUSSED HAZARDS ALONG ROUTE OF TRAVEL. BEGAIN JOURNEY MANAGEMENT
Event	3	Depart Shop for Location	Depart Shop for Location	3/24/2018	13:35:00	USER				
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	3/24/2018	14:20:00	USER				30 MILES. DISCUSS NUMBERS AND JOB PROCEDURE WITH CUSTOMER. RIG IS RUNNING CASING
Event	5	Other	Other	3/24/2018	14:28:00	USER				SPOT TRUCK
Event	6	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	3/24/2018	14:35:00	USER				HELD PRE RIG UP JSA
Event	7	Rig-up Lines	Rig-up Lines	3/24/2018	14:40:00	USER				RIG UP ALL SURFACE LINES TO THE BUFFER ZONE
Event	8	Casing on Bottom	Casing on Bottom	3/24/2018	15:37:00	USER				CASING LANDED
Event	9	Other	Other	3/24/2018	16:00:00	USER				RIG UP FLOOR FOR RIG TO CIRCULATE
Event	10	Start Job	Start Job	3/24/2018	17:44:21	COM4	8.32	0.00	-10.00	
Event	11	Test Lines	Test Lines	3/24/2018	17:51:09	COM4	8.48	0.00	6461.00	LOAD AND TEST LINE TO 6520 PSI
Event	12	Safety Meeting - Pre Job	Safety Meeting - Pre Job	3/24/2018	18:05:00	USER	8.37	0.00	24.00	PER CUSTOMER REQUEST TEST LINES BEFORE SAFETY MEETING BECAUSE OF RIG CREW CHANGE. SAFETY MEETING WITH NIGHT CREW.
Event	13	Pump Spacer	Pump Spacer	3/24/2018	18:15:00	USER	11.42	3.00	253.00	DROP BUTTOM PLUG/ BATCH/ WEIGH/PUMP 40 BBLS OF TUNED SPACER WITH SURFACTANS @ 11.5 PPG
Event	14	Pump Lead Cement	Pump Lead Cement	3/24/2018	18:30:23	USER	13.03	6.50	431.00	WEIGH/ PUMP 998 SKS (279.1 BBLS) OF ELASTICEM @ 13.2 PPG
Event	15	Pump Tail Cement	Pump Tail Cement	3/24/2018	19:18:35	USER	13.18	6.00	351.00	WEIGHT/ PUMP 1081 SKS (392.8 BBLS) OF NEOCEM @ 13.2 PPG

Event	16	Shutdown	Shutdown	3/24/2018	20:14:00	USER	13.41	0.00	7.00	SHUT DOWN/ WASH PUMPS AND LINES
Event	17	Drop Top Plug	Drop Top Plug	3/24/2018	20:22:00	USER	8.13	0.00	3.00	
Event	18	Pump Displacement	Pump Displacement	3/24/2018	20:24:00	USER	8.22	10.10	371.00	PUMP FRESH WATER DISPLACEMENT WITH CLA-WEB AND BIOCIDES. FIRST 70 BBLS WITH MMCR.
Event	19	Slow Rate	Slow Rate	3/24/2018	21:02:00	USER	8.19	5.00	2426.00	SLOW RATE TO 5 BPM
Event	20	Bump Plug	Bump Plug	3/24/2018	21:05:00	USER	8.20	0.00	3014.00	BUMP PLUG WITH 500 PSI OVER FINAL CIRCULATING PRESSURE. TOTAL DISPLACEMENT 347.8 BBLS. 17 BBLS OF CEMENT BACK TO SURFACE.
Event	21	Other	Other	3/24/2018	21:08:00	USER	8.19	4.70	2360.00	PRESSURE UP TO SHIFT WET SHOE SUB AND PUMP 6 BBLS WET SHOE. SUB WENT @ 5100 PSI.
Event	22	Shutdown	Shutdown	3/24/2018	21:09:00	USER	8.17	0.00	1937.00	
Event	23	Check Floats	Check Floats	3/24/2018	21:11:00	USER	8.14	0.00	19.00	FLOATS HELD
Event	24	End Job	End Job	3/24/2018	21:11:43	COM4	8.14	0.00	19.00	
Event	25	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	3/24/2018	21:25:00	USER	8.08	10.80	341.00	RIG DOWN SAFETY MEETING

3.0 Attachments

3.1 Boomerang 32N-6B-M Production – Job Chart with Events



3.2 Boomerang 32N-6B-M Production – Job Chart without Events

