

HALLIBURTON

iCem[®] Service

SRC ENERGY INC-EBUS

Date: Saturday, March 24, 2018

Boomerang 32N-6C-M Production

Job Date: Monday, March 05, 2018

Sincerely,

Bryce Hinsch

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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-6C-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 14 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]

The Road to Excellence Starts with Safety

Sold To #: 359915		Ship To #: 3823602		Quote #:		Sales Order #: 0904682484					
Customer: SRC ENERGY INC-EBUS				Customer Rep: LOVEL YOUNG							
Well Name: BOOMERANG			Well #: 32N-6C-M		API/UWI #: 05-123-45392-00						
Field: WATTENBERG		City (SAP): GREELEY		County/Parish: WELD		State: COLORADO					
Legal Description: NE NW-5-5N-66W-1377FNL-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		15756ft		Job Depth TVD		6900					
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	1800		1800	
Casing	0	5.5	4.778	20	BTC	P-110	0	15756	0	6900	
Open Hole Section			8.5				1800	15762	1800	6900	
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	15756		Bottom Plug	5.5	1	WHED		
Float Collar	5.5	1	N/A	15640		SSR plug set	5.5				
Insert Float	5.5					Plug Container	5.5	1	HES		
Stage Tool	5.5					Centralizers	5.5	241	N/A		
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	3.8		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)							
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 LEAD	ELASTICEM (TM) SYSTEM	1002	sack	13.2	1.57		8	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/min	Total Mix Fluid Gal
3	NeoCem	NeoCem TM	1077	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/min	Total Mix Fluid Gal
4	MMCR Displacement	MMCR Displacement	40	bbl	8.34			10	
0.1250 gal/bbl		MICRO MATRIX CEMENT RETARDER, 5 GAL PAIL (100003781)							
0.50 gal/bbl		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
5	Water	Water	407	bbl	8.33			8	
Cement Left In Pipe		Amount	0 ft			Reason		WET SHOE	
Comment : ESTIMATED TOP OF TAIL @ 6197'. 14 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 (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	3/5/2018	05:30:00	USER					ON LOCATION @ 11:00
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	3/5/2018	09:35:00	USER					CREW DISCUSSED HAZARDS ALONG ROUTE OF TRAVEL. BEGAIN JOURNEY MANAGEMENT
Event	3	Depart Shop for Location	Depart Shop for Location	3/5/2018	09:50:00	USER					CALLED JORNEY
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	3/5/2018	10:50:00	USER					30 MILES. DISCUSS NUMBERS AND JOB PROCEDURE WITH CUSTOMER. RIG IS RUNNING CASING
Event	5	Other	Other	3/5/2018	11:00:00	USER					SPOT TRUCKS
Event	6	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	3/5/2018	11:10:00	USER					HELD PRE RIG UP JSA
Event	7	Rig-up Lines	Rig-up Lines	3/5/2018	11:15:00	USER					RIG UP ALL SURFACE LINES TO THE BUFFER ZONE
Event	8	Casing on Bottom	Casing on Bottom	3/5/2018	12:29:00	USER					CASING LANDED
Event	9	Other	Other	3/5/2018	12:55:00	USER	0.37	0.00	3.00	0.0	RIG UP FLOOR FOR RIG TO CIRCULATE
Event	10	Safety Meeting - Pre Job	Safety Meeting - Pre Job	3/5/2018	14:11:00	USER	9.25	0.00	-1.00	0.0	PRE JOB SAFETY MEETING WITH ALL PERSONAL INVOLVED/ RIG CIRCULATING
Event	11	Start Job	Start Job	3/5/2018	14:39:01	COM4	10.45	0.00	13.00	0.0	
Event	12	Pressure Test	Pressure Test	3/5/2018	14:49:00	USER	8.47	0.00	6656.00	2.4	LOAD AND TEST LINE TO

6620 PSI											
Event	13	Drop Bottom Plug	Drop Bottom Plug	3/5/2018	14:52:00	USER	8.38	0.90	16.00	2.4	DROP BOTTOM PLUG
Event	14	Pump Spacer	Pump Spacer	3/5/2018	14:53:00	USER	11.46	4.30	474.00	2.4	BATCH/ WEIGH/PUMP 40 BBLS OF TUNED SPACER WITH SURFACTANS @ 11.5 PPG
Event	15	Pump Lead Cement	Pump Lead Cement	3/5/2018	15:02:00	USER	13.27	6.10	537.00	5.2	WEIGH/ PUMP 1002 SKS (280.2 BBLS) OF ELASTICEM @ 13.2 PPG
Event	16	Pump Tail Cement	Pump Tail Cement	3/5/2018	15:41:00	USER	13.17	7.90	611.00	12.9	WEIGHT/ PUMP 1077 SKS (391.3 BBLS) OF NEOCEM @ 13.2 PPG
Event	17	Shutdown	Shutdown	3/5/2018	16:33:00	USER	13.41	0.00	46.00	394.9	WASH PUMPS AND LINES
Event	18	Drop Top Plug	Drop Top Plug	3/5/2018	16:43:00	USER	5.11	0.00	8.00	16.1	DROP TOP PLUG
Event	19	Pump Displacement	Pump Displacement	3/5/2018	16:45:00	USER	8.32	4.00	100.00	3.3	PUMP FRESH WATER DISPLACEMENT WITH CLA-WEB AND BIOCIDES. FIRST 20 BBLS WITH MMCR.
Event	20	Slow Rate	Slow Rate	3/5/2018	17:26:41	USER	8.34	4.30	2571.00	335.2	SLOW RATE TO 3 BPM
Event	21	Bump Plug	Bump Plug	3/5/2018	17:30:00	USER	8.34	0.00	3012.00	343.7	347 BBLS TOTAL DISPLACEMENT
Event	22	Other	Other	3/5/2018	17:32:00	USER	8.34	4.30	2531.00	348.1	PRESSURE UP TO SHIFT WET SHOE SUB AND PUMP 6 BBLS WET SHOE. SUB WENT @ 5200 PSI.
Event	23	Shutdown	Shutdown	3/5/2018	17:33:00	USER	8.34	0.00	2491.00	352.2	
Event	24	Check Floats	Check Floats	3/5/2018	17:34:00	USER	8.32	0.00	1422.00	0.0	FLOATS HOLD
Event	25	End Job	End Job	3/5/2018	17:35:01	COM4	8.31	0.00	7.00	0.0	
Event	26	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	3/5/2018	17:40:00	USER					RIG DOWN SAFETY MEETING

3.0 Attachments

3.1 SRC Energy Boomerang 32N-6C-M Production Job Chart

