

HALLIBURTON

iCem[®] Service

SRC ENERGY INC-EBUS

Date: Monday, November 20, 2017

Ag 32C-31-L Production

Job Date: Saturday, October 07, 2017

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 **Ag 32C-31-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 60 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 #: 3801265	Quote #:	Sales Order #: 0904342566							
Customer: SYNERGY RESOURCES CORPORATION		Customer Rep: LEVEL								
Well Name: AG	Well #: 32C-31-L	API/UWI #: 05-123-44877-00								
Field: WATTENBERG	City (SAP): GREELEY	County/Parish: WELD	State: COLORADO							
Legal Description: NE NE-32-6N-66W-1022FNL-585FEL										
Contractor:		Rig/Platform Name/Num: Precision 462								
Job BOM: 7523 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HB41307		Srcv Supervisor: David Hahn								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type		BHST								
Job depth MD	18614ft	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	LTC	J-55	0	1783	0	1783
Casing		5.5	4.778	20		P-110	0	18614	0	7040
Open Hole Section			8.5				1783	18626	1783	7040
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe	5.5			18614	Top Plug	5.5	1	WTF		
Float Shoe	5.5				Bottom Plug	5.5	1	WTF		
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	3.8		6		
35.10 gal/bbl		FRESH WATER								
0.50 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								
0.50 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)								
147.42 lbm/bbl		BARITE, BULK (100003681)								

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Cementing Job Summary

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	
2	ElastiCem Lead	ELASTICEM (TM) SYSTEM	1019	sack	13.2	1.57		6	7.52	
7.52 Gal		FRESH WATER								
3	NeoCem Tail	NeoCem TM	1372	sack	13.2	2.09		4	10.08	
0.30 %		SCR-100 (100003749)								
10.08 Gal		FRESH WATER								
4	MMCR Displacement	MMCR Displacement	20	bbl	8.34					
0.50 gal/bbl		MICRO MATRIX CEMENT RETARDER, 5 GAL PAIL (100003781)								
5	Cla Web Displacement	Cla Web Displacement	383	bbl	8.33					
1 gal/bbl		CLA-WEB - TOTE (101985045)								
Cement Left In Pipe		Amount	51 ft		Reason			Shoe Joint		
Comment 40 BBL SPACER BACK AND 60 BBL CEMENT										

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Driv-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	10/7/2017	12:00:00	USER				CALLED OUT FROM EL ERNO OKLAHOMA
Event	2	Depart from Service Center or Other Site	Depart from Service Center or Other Site	10/7/2017	15:00:00	USER				LEAVE YARD AFTER SAFTEY MEETING
Event	3	Arrive at Location from Service Center	Arrive at Location from Service Center	10/7/2017	16:30:00	USER				ARRIVED ON LOCATION AND TALKED TO COMPANY MAN ABOUT JOB FIGURES AND THE SPOTTING OF OUR EQUIPMENT
Event	4	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	10/7/2017	16:45:00	USER				ASSESSED LOCATION AN TOOK WATER SAMPLE
Event	5	Rig-Up Equipment	Rig-Up Equipment	10/7/2017	17:00:00	USER				SPOTTED EQUIPMENT AND RIGGED UP TO FLOOR RIG IS RUNNING CASING
Event	6	Other	Other	10/7/2017	17:25:00	USER				Water test=pH: ____, Cl: ____, temp ____degrees Tannin-Lignin:_____; Sulfate: _____
Event	7	Start Job	Start Job	10/7/2017	18:16:47	COM6	-92.00	0.00	0.00	
Event	8	Rig-Up Completed	Rig-Up Completed	10/7/2017	20:30:00	USER	-3.00	8.35	0.00	RIG UP COMPLETE SAFETY MEETING WITH RIG HANDS AND HALLIBURTON ABOUT THE DANGERS OF OUR EQUIPMENT AND WENT OVER JOB FIGURES. READY TO TEST LINES
Event	9	Test Lines	Test Lines	10/7/2017	21:48:34	COM6	111.00	8.44	0.00	LOW TEST TO 500 PSI HIGH TEST TO 6000 PSI

Event	10	Pump Spacer 1	Pump Spacer 1	10/7/2017	21:50:17	COM6	168.00	11.32	4.70	40 BBL TUNED SPACER @ 11.5 PPG
Event	11	Drop Bottom Plug	Drop Bottom Plug	10/7/2017	21:51:49	COM6	322.00	11.48	5.10	
Event	12	Pump Lead Cement	Pump Lead Cement	10/7/2017	21:56:55	COM6				285 BBL LEAD @ 13.2 PPG
Event	13	Pump Tail Cement	Pump Tail Cement	10/7/2017	22:35:34	USER	590.00	13.35	7.70	511 BBL TAIL @ 13.2 PPG
Event	14	Drop Top Plug	Drop Top Plug	10/7/2017	23:51:07	COM6	1.00	2.52	0.00	
Event	15	Pump Displacement	Pump Displacement	10/7/2017	23:51:09	COM6	0.00	1.11	0.00	403 BBL DISP
Event	16	Other	Other	10/8/2017	00:32:58	COM6				CIRCULATED 40 BBL SPACER & 60 BBL CEMENT TO SURFACE
Event	17	Bump Plug	Bump Plug	10/8/2017	00:56:32	COM6				BUMP PLUG, RESET KICKOUTS TO 6000 TO BURST WET SHOE SYSTEM THEN PUMP 6 BBL
Event	18	Check Floats	Check Floats	10/8/2017	01:06:07	USER	-4.00	8.36	0.00	FLOATS HELD GOT 2.5 BBL BACK AND COMPANY MAN IS HAPPY
Event	19	End Job	End Job	10/8/2017	01:11:20	COM6				
Event	20	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	10/8/2017	01:15:00	USER	-5.00	8.35	0.00	SAFETY MEETING OVER RIGGING DOWN
Event	21	Rig-Down Equipment	Rig-Down Equipment	10/8/2017	01:30:00	USER				RIG DOWN EQUIPMENT AND HOSES
Event	22	Rig-Down Completed	Rig-Down Completed	10/8/2017	02:00:00	USER				RIG DOWN COMPLETE
Event	23	Safety Meeting - Departing Location	Safety Meeting - Departing Location	10/8/2017	02:15:00	USER				SAFETY MEETING OVER DEPARTURE AND JOURNEY HOME
Event	24	Depart Location for Home	Depart Location for Home	10/8/2017	02:45:00	USER				LEAVE LOCATION

3.0 Attachments

3.1 Synergy Ag 32C-31-L Production Job Chart

