

HALLIBURTON

iCem[®] Service

SRC ENERGY INC-EBUS

Date: Sunday, December 03, 2017

Falken 33N-9C-L Production

Job Date: Friday, November 17, 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 **Falken 33N-9C-L** 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.

Approximately 18 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 #: 3815789		Quote #:		Sales Order #: 0904432585				
Customer: SYNERGY RESOURCES CORPORATION				Customer Rep: CALIB FORD						
Well Name: FALKEN			Well #: 33N-9C-L		API/UWI #: 05-123-45114-00					
Field: WATTENBERG		City (SAP): GREELEY		County/Parish: WELD		State: COLORADO				
Legal Description: NE SE-11-6N-66W-1799FSL-276FEL										
Contractor: PRECISION DRLG				Rig/Platform Name/Num: PRECISION 562						
Job BOM: 7523 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HB41307				Srvc Supervisor: Vitalijs Neverdasovs						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		18974ft		Job Depth TVD		7166				
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	1804	0	1804
Casing	0	5.5	4.778	20		P-110	0	18974	0	7166
Open Hole Section			8.5				1804	18994	0	7166
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	5.5					Top Plug	5.5	1	WTRD	
Float Shoe	5.5	1	NA	18974		Bottom Plug	5.5	1	WTRD	
Float Collar	5.5	1	NA	18863		SSR plug set	5.5			
Insert Float	5.5					Plug Container	5.5	1	HES	
Stage Tool	5.5					Centralizers	5.5	210	NA	
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		
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)							
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	1024	sack	13.2	1.57		6	7.54
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	1434	sack	13.2	2.04		6.5	9.77
0.08 %		SCR-100 (100003749)							
9.77 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
4	MMCR Displacement	MMCR Displacement	10	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
5	Cla Web Displacement	Cla Web Displacement	408	bbl	8.33				
1 gal/bbl		CLA-WEB - TOTE (101985045)							
Cement Left In Pipe		Amount	0		REASON			WET SHOE	
Comment : 40 BBLS OF SPACER BACK TOSUTFASE. 18 BBLS OF CEMENT BACK TO SURFACE. ESTIMATED TOP OF TAIL 6205'.									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Recirc Density (ppg)	Comments
Event	1	Call Out	Call Out	11/17/2017	08:00:00	USER				ON LOCATION @ 15:00
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	11/17/2017	13:20:00	USER				CREW DISCUSSED HAZARDS ALONG ROUTE OF TRAVEL. BEGAIN JOURNEY MANAGEMENT.
Event	3	Depart Shop for Location	Depart Shop for Location	11/17/2017	13:40:00	USER				CREW LEFT FOR LOCATION
Event	4	Arrive At Loc	Arrive At Loc	11/17/2017	14:45:00	USER				38 MILES. DISCUSS NUMBERS AND JOB PROCEDURE WITH CUSTOMER
Event	5	Other	Other	11/17/2017	14:55:00	USER				SPOT TRUCKS
Event	6	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	11/17/2017	15:00:00	USER				HELD PRE RIG UP JSA
Event	7	Rig-up Lines	Rig-up Lines	11/17/2017	15:05:00	USER				RIG UP ALL SURFACE LINES TO THE BUFFER ZONE
Event	8	Casing on Bottom	Casing on Bottom	11/17/2017	15:50:00	USER				CASING ON BUTTOM/ RIG IS RIGGING DOWN CASING CREW
Event	9	Other	Other	11/17/2017	16:20:00	USER				RIG UP FLOOR FOR RIG TO CIRCULATE
Event	10	Safety Meeting - Pre Job	Safety Meeting - Pre Job	11/17/2017	19:01:00	USER	0.00	2.00	8.46	PRE JOB SAFETY MEETING WITH ALL PERSONAL INVOLVED/ RIG CIRCULATING

Event	11	Start Job	Start Job	11/17/2017	19:30:58	COM4	0.00	-1.00	11.71	
Event	12	Test Lines	Test Lines	11/17/2017	20:02:00	USER	0.00	4655.00	11.56	LOAD LINE AND PRESSURE TEST TO 5294 PSI
Event	13	Drop Bottom Plug	Drop Bottom Plug	11/17/2017	20:06:00	USER	0.00	-21.00	11.56	DROP BOTTOM PLUG
Event	14	Pump Spacer	Pump Spacer	11/17/2017	20:07:00	USER	0.00	5.00	11.55	BATCH/ WEIGH/PUMP 40 BBLS OF TUNED SPACER WITH SURFACTANS @ 11.5 PPG
Event	15	Pump Lead Cement	Pump Lead Cement	11/17/2017	20:19:00	USER	4.30	300.00	13.15	WEIGH/ PUMP 1024 SKS (286.3 BBLS) OF ELASTICEM @ 13.2 PPG
Event	16	Pump Tail Cement	Pump Tail Cement	11/17/2017	21:06:00	USER	5.40	295.00	13.02	WEIGHT/ PUMP 1434 SKS (521 BBLS) OF NEOCEM @ 13.2 PPG
Event	17	Shutdown	Shutdown	11/17/2017	22:33:00	USER	3.00	97.00	12.92	SHUTDOWN/ DROP TOP PLUG
Event	18	Other	Other	11/17/2017	22:37:00	USER	0.00	-8.00	13.35	WASH PUMPS AND LINES
Event	19	Pump Displacement	Pump Displacement	11/17/2017	22:44:00	USER	3.80	26.00	7.61	PUMP FRESH WATER DISPLACEMENT WITH CLA-WEB AND BIOCID. FIRST 10 BBLS WITH MMCR. DUE TO HIGH PRESSURE HAD TO DISPLACE @ 4 BPM
Event	20	Other	Other	11/18/2017	00:15:00	USER	4.00	2655.00	8.51	SLOW RATE
Event	21	Bump Plug	Bump Plug	11/18/2017	00:18:00	USER	0.00	2749.00	8.51	HOLD PRESSURE FOR 10 MIN FOR CASING TEST.
Event	22	Check Floats	Check Floats	11/18/2017	00:28:00	USER	0.00	1825.00	8.51	FLOATS HELD
Event	23	Other	Other	11/18/2017	00:36:00	USER	0.00	4680.00	8.51	PRESSURE UP TO BURST DISC AND PUMP 6 BBLS OF

WET SHOE										
Event	24	Shutdown	Shutdown	11/18/2017	00:43:00	USER	0.00	2227.00	8.51	BLEED OFF PRESSURE / JOB IS COMPLETE
Event	25	End Job	End Job	11/18/2017	00:44:55	COM4				
Event	26	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	11/18/2017	00:49:00	USER	0.00	-7.00	8.51	RIG DOWN SAFETY MEETING
Event	27	Other	Other	11/18/2017	01:20:00	USER				CREW FINISHED RIGGING DOWN
Event	28	Depart Location Safety Meeting	Depart Location Safety Meeting	11/18/2017	01:30:00	USER				
Event	29	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	11/18/2017	01:42:00	USER				

3.0 Attachments

3.1 Synergy Falken 33N-9C-L Production Job Chart

