

HALLIBURTON

iCem[®] Service

SYNERGY RESOURCES CORPORATION

Date: Saturday, April 16, 2016

Fagerberg 36N-7B-M

Surface

Job Date: Thursday, March 31, 2016

Sincerely,

Lauren Roberts

Legal Notice

Warning Disclaimer

Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

Limitations of Liability

Except as expressly set forth herein, there are no representations or warranties by Halliburton, express or implied, including implied warranties of merchantability and/or fitness for a particular purpose. In no event will Halliburton or its suppliers be liable for consequential, incidental, special, punitive or exemplary damages (including, without limitation, loss of data, profits, use of hardware, or software). Customer accepts full responsibility for any investment made based on results from the Software. Any interpretations, analyses or modeling of any data, including, but not limited to Customer data, and any recommendation or decisions based upon such interpretations, analyses or modeling are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional may differ. Accordingly, Halliburton cannot and does not warrant the accuracy, correctness or completeness of any such interpretation, recommendation, modeling or other products of the Software Product. As such, any interpretation, recommendation or modeling resulting from the Software for the purpose of any drilling, well treatment, production or financial decision will be at the sole risk of Customer. Under no circumstances will Halliburton or its suppliers be liable for any damages.

Table of Contents

1.0 Cementing Job Summary 4

 1.1 Executive Summary4

2.0 Real-Time Job Summary 7

 2.1 Job Event Log7

3.0 Attachments..... 9

 3.1 903221482 Synergy Fagerberg 36N-7B Surf-Custom Results.png.....9

 3.2 903221482 Synergy Fagerberg 36N-7B Surf-Custom Results (1).png10

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Fagerberg 36N-7B-M** 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.

30 bbl. 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]

The Road to Excellence Starts with Safety

Sold To #: 359915		Ship To #: 3730078		Quote #:		Sales Order #: 0903221482				
Customer: SYNERGY RESOURCES CORPORATION				Customer Rep: Larry Schneider						
Well Name: Fagerberg			Well #: 36N-7B-M		API/UWI #:					
Field:	City (SAP): EATON		County/Parish: WELD		State: COLORADO					
Legal Description:										
Contractor: PRECISION DRLG				Rig/Platform Name/Num: PRECISION 462						
Job BOM: 7521										
Well Type: GAS										
Sales Person: HALAMERICA\HX37727				Srvc Supervisor: Nathaniel Moore						
Job										
Formation Name										
Formation Depth (MD)	Top		Bottom							
Form Type			BHST							
Job depth MD	1758ft		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
Open Hole Section			13.5				0	1758		0
Casing		9.625	8.921	36			0	1743		0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	9.625			1758		Top Plug	9.625	1	HES	
Float Shoe	9.625			1743		Bottom Plug	9.625		HES	
Float Collar	9.625			1697		SSR plug set	9.625		HES	
Insert Float	9.625					Plug Container	9.625		HES	
Stage Tool	9.625					Centralizers	9.625		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	Mud Flush III (Powder)	Mud Flush III	20	bbl	8.4					
42 gal/bbl		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
2	SwiftCem B2	SWIFTCEN (TM) SYSTEM	550	sack	13.4	1.79		4	9.5
9.50 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	Displacement	Displacement	43.1	bbl	8.33				
Cement Left In Pipe		Amount	46 ft		Reason			Shoe Joint	

30 bbl spacer and 30 bbl cement to surface

2.0 Real-Time Job Summary

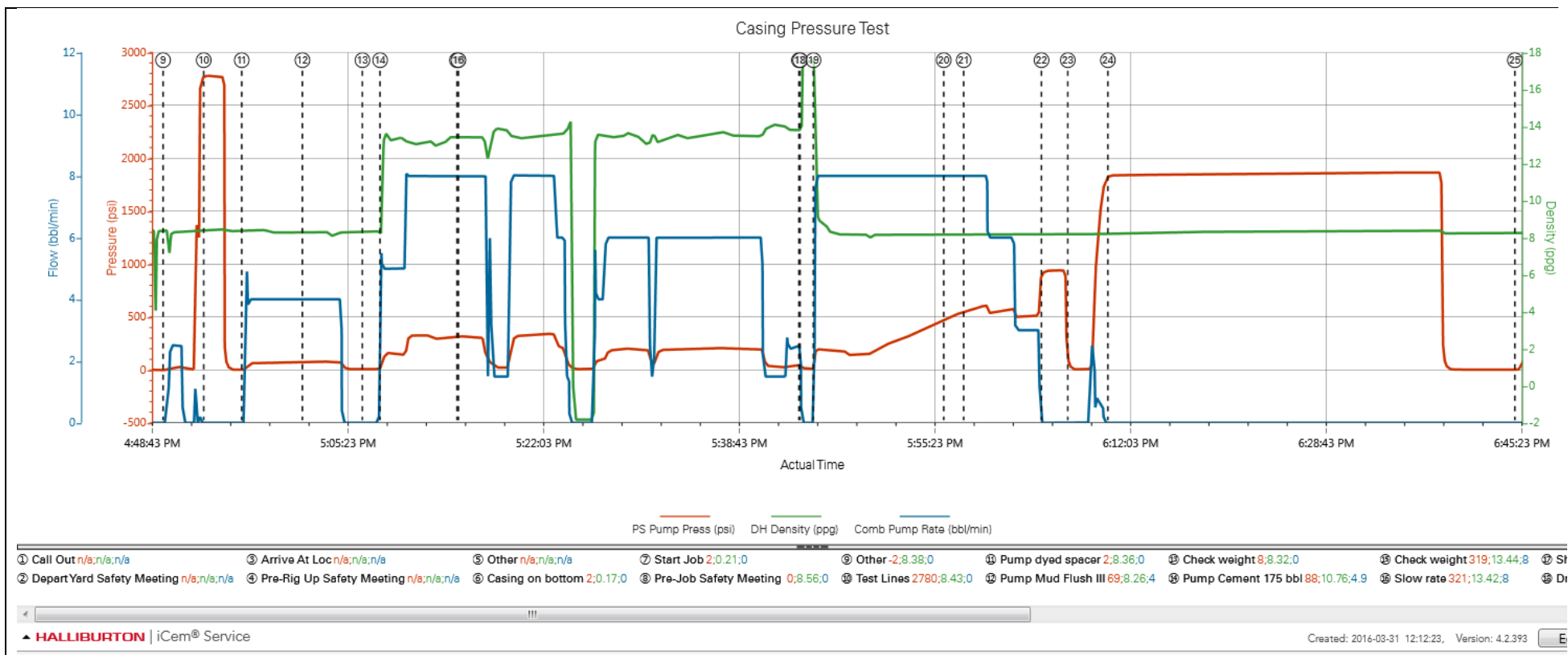
2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	3/31/2016	07:30:00	USER				O/L time 1130. Verify equipment and materials
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	3/31/2016	10:00:00	USER				Journey management conducted with crew
Event	3	Arrive At Loc	Arrive At Loc	3/31/2016	11:30:00	USER				Arrived at location. Rig still running casing.
Event	4	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	3/31/2016	11:35:00	USER				
Event	5	Other	Other	3/31/2016	11:40:00	USER				TD 1758' 13.5" hole. Surface 1743' 9.625" 36# J-55 casing. Float collar 1697'. MW 8.9 ppg. Conductor 40' 16". Tested water: PH - 7 Chlorides - <36 Sulfates <200 Iron - 0 Temp 60 deg.
Event	6	Other	Casing on bottom	3/31/2016	15:30:00	USER	2.00	0.17	0.00	Rigged up cement head/manifold for rig to circulate through. Loaded top plug with company man to witness. HES top plug
Event	7	Start Job	Start Job	3/31/2016	15:57:41	COM1	2.00	0.21	0.00	
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	3/31/2016	16:30:00	USER	0.00	8.56	0.00	Safety meeting with HES and rig crew to discuss job procedure. Discussed possibility of rig cellar pump not keeping up with returns, agreed to have an HES crew member in the cellar to monitor.
Event	9	Other	Other	3/31/2016	16:49:50	COM1	-2.00	8.38	0.00	Fill lines with 3 bbl water
Event	10	Test Lines	Test Lines	3/31/2016	16:53:18	COM1	2780.00	8.43	0.00	Low pressure kick-out function test then pressure test to 2780 psi
Event	11	Pump Spacer 1	Pump dyed spacer	3/31/2016	16:56:32	COM1	2.00	8.36	0.00	Pump 10 bbl water with 2 lbs of red dye
Event	12	Pump Spacer 2	Pump Mud Flush III	3/31/2016	17:01:42	COM1	69.00	8.26	4.00	80 lbs mud flush III in 20 bbls.
Event	13	Check Weight	Check weight	3/31/2016	17:06:49	COM1	8.00	8.32	0.00	Checked with pressurized scales. Weighed up at 13.2 ppg. Adjusted density

Event	14	Pump Cement	Pump Cement 175 bbl	3/31/2016	17:08:19	COM1	88.00	10.76	4.90	550 sks. 175 bbl. 13.4 ppg 1.79 ft3/sk 9.5 gal/sk
Event	15	Check Weight	Check weight	3/31/2016	17:14:52	COM1	319.00	13.44	8.00	13.4 ppg
Event	16	Other	Slow rate	3/31/2016	17:15:00	USER	321.00	13.42	8.00	Cellar pump could not handle aerated mud. Slowed rate to allow pumps to catch up. Had to shutdown once for less than one minute.
Event	17	Shutdown	Shutdown	3/31/2016	17:44:00	COM1	35.00	14.04	0.00	Wash-up on top of the plug
Event	18	Drop Plug	Drop Plug	3/31/2016	17:44:06	COM1	22.00	17.42	0.00	Drop top plug witnessed by company rep
Event	19	Pump Displacement	Pump Displacement	3/31/2016	17:45:14	COM1	199.00	13.09	8.00	131.2 bbl water pumped at 8 bpm. Slowed to 3 bpm for last 10.
Event	20	Other	Spacer to surface	3/31/2016	17:56:20	COM1	480.00	8.18	8.00	Dyed water to surface. 70 bbl into displacement. Mud flush followed. 30 bbl total
Event	21	Other	Cement to surface	3/31/2016	17:58:02	COM1				Cement to surface 100 bbl into displacement. Rig diverted returns to catch tank. 30 bbl cement to surface total
Event	22	Bump Plug	Bump Plug	3/31/2016	18:04:40	COM1	927.00	8.21	0.00	Final pump pressure 560 psi. Pressured up to 900. Held for 3 minutes
Event	23	Other	Check floats	3/31/2016	18:06:54	COM1	32.00	8.18	0.00	Floats held. 1 bbl back to the truck.
Event	24	Pressure Up Well	Pressure Up Well	3/31/2016	18:10:19	COM1	1837.00	8.26	0.00	Pressure test casing to 1750 for 30 minutes. Casing pressure test successful
Event	25	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	3/31/2016	18:45:00	USER	3.00	8.26	0.00	
Event	26	Depart Location Safety Meeting	Depart Location Safety Meeting	3/31/2016	20:00:00	USER				

3.0 Attachments

3.1 903221482 Synergy Fagerberg 36N-7B Surf-Custom Results.png



3.2 903221482 Synergy Fagerberg 36N-7B Surf-Custom Results (1).png

