

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

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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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	SwiftCem B2	SWIFTCEM (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 ft ³ /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

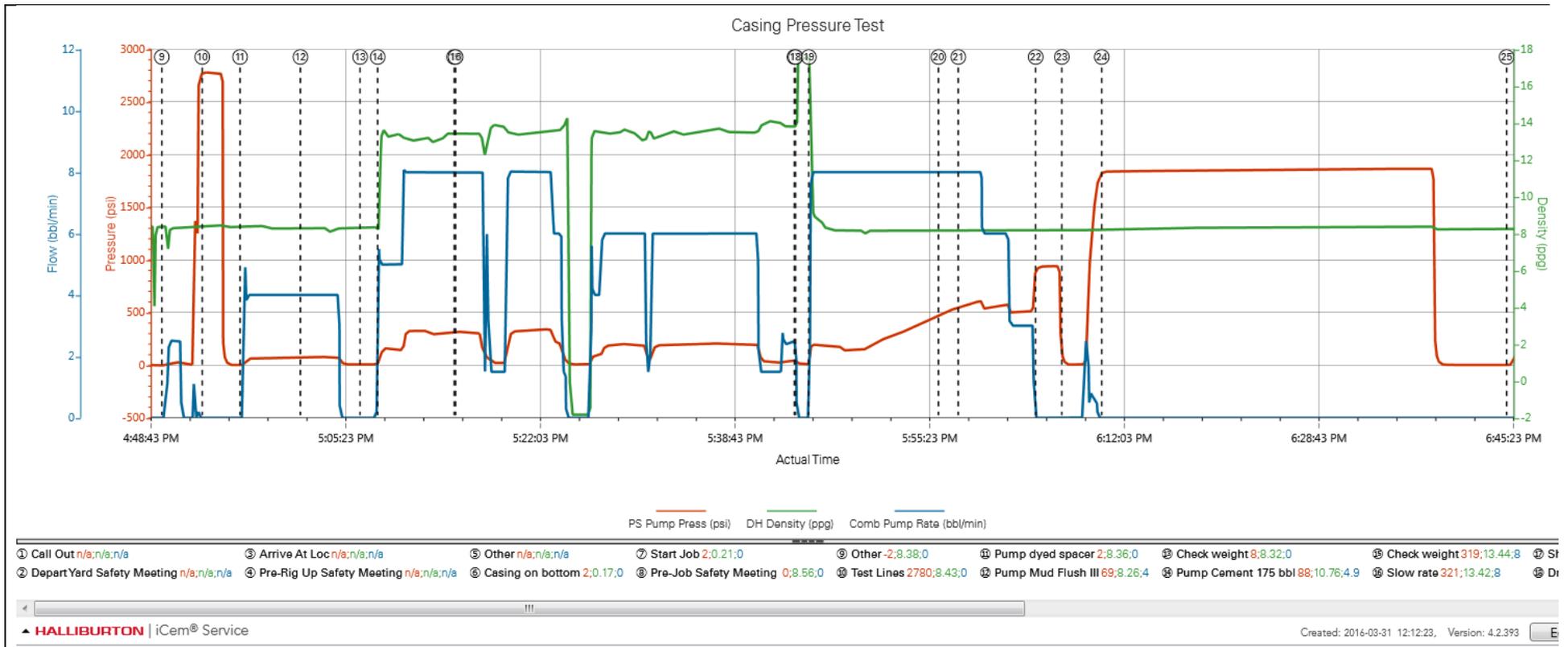
2.1 Job Event Log

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

