

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

For: Ty Entenmann

Date: Saturday, July 30, 2016

Winder 9

Surface

Job Date: Monday, July 04, 2016

Sincerely,

Derek Trier

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Winder 9** 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.

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]

Job Times

	Date	Time	Time Zone
Called Out Time:	7/04/2016	1530	MTN
Arrived On Location At:		2030	
Job Started At:		2324	
Job Completed At:	7/5/2016	0024	
Departed Location At:		0130	

Sold To #: 369404		Ship To #: 3535913		Quote #:		Sales Order #: 0903404460	
Customer: EXTRACTION OIL & GAS -				Customer Rep:			
Well Name: WINDER			Well #: 9		API/UWI #: 05-123-39580-00		
Field: SEVERANCE		City (SAP): WINDSOR		County/Parish: WELD		State: COLORADO	
Legal Description: NE NE-9-6N-67W-884FNL-684FEL							
Contractor: UNKNOWN				Rig/Platform Name/Num: WORKOVER RIG			
Job BOM: 7521							
Well Type: HORIZONTAL OIL							
Sales Person: HALAMERICA\HB71271				Srcv Supervisor: Nathaniel Moore			

Job

Formation Name			
Formation Depth (MD)	Top	Bottom	
Form Type		BHST	
Job depth MD	1582ft	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			0	1582	0	1582
Open Hole Section			13.5				0	1586	0	1586

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625			1582	Top Plug	9.625		HES
Float Shoe	9.625				Bottom Plug	9.625		HES
Float Collar	9.625				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	Fresh Water	Fresh Water	0	bbl	8.33					

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	SWIFTCEM (TM) SYSTEM		sack	13.5	1.74		6	9.19	
9.19 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	Oil Based Mud Displacement	Oil Based Mud Displacement	0	bbl	9					
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint		
Comment										

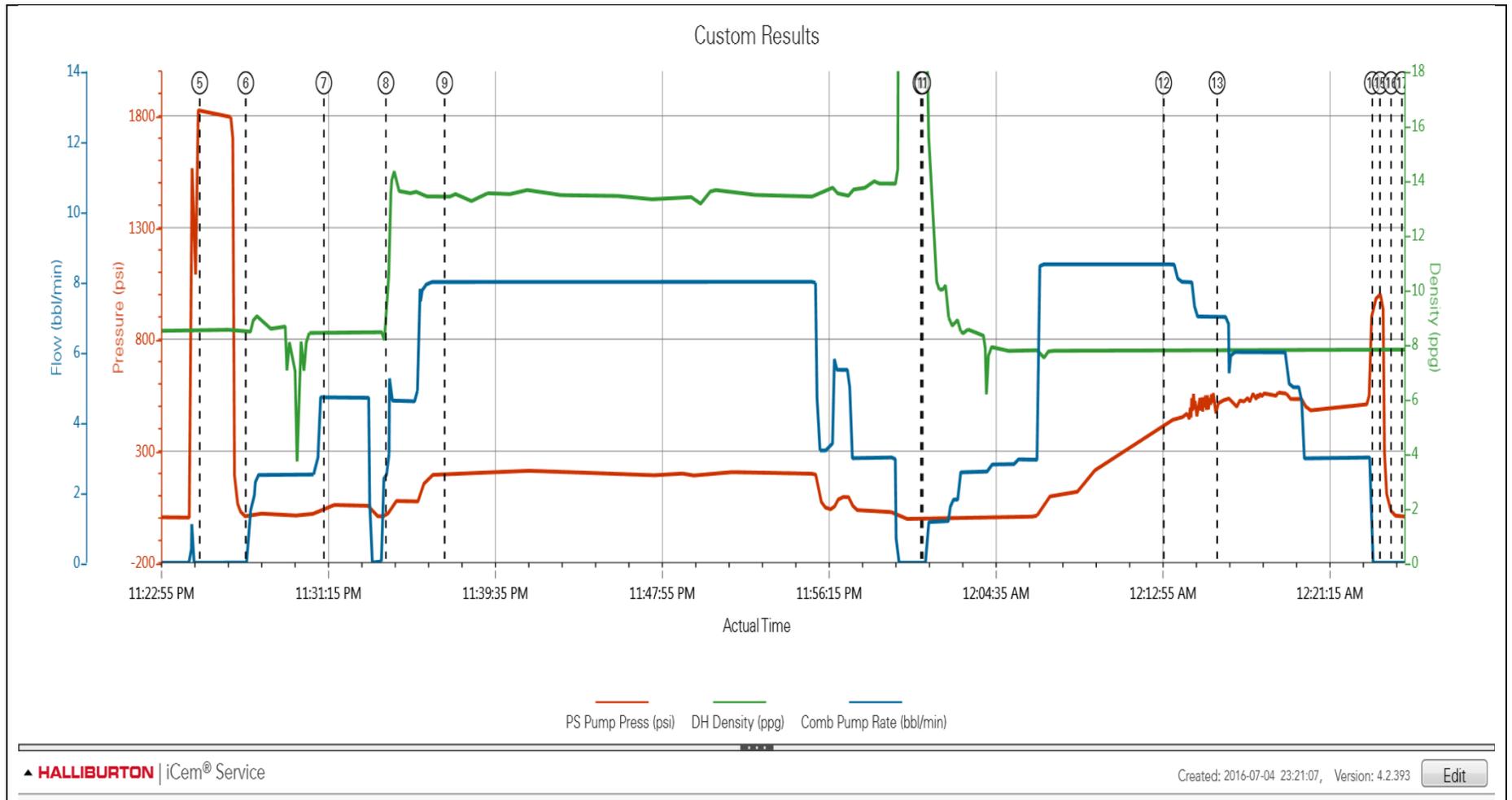
2.0 Real-Time Job Summary

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	7/4/2016	15:30:00	USER				OL time 2100
Event	2	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	7/4/2016	20:30:00	USER				Spot equipment
Event	3	Other	Meet with customer rep	7/4/2016	21:00:00	USER				1538' 9.625" J-55 casing. 13.5 " open hole. MW 9.0 ppg.
Event	4	Pre-Job Safety Meeting	Pre-Job Safety Meeting	7/4/2016	23:00:00	USER				
Event	5	Test Lines	Test Lines	7/4/2016	23:24:58	COM1	1826.00	8.53	0.00	2000 psi pressure test
Event	6	Pump Spacer 1	Pump Spacer 1	7/4/2016	23:27:15	COM1	4.00	8.49	0.00	10 bbl dyed water
Event	7	Pump Spacer 2	Pump Spacer 2	7/4/2016	23:31:09	COM1	51.00	8.46	4.70	10 bbl water
Event	8	Pump Cement	Pump Cement	7/4/2016	23:35:13	COM1	76.00	13.58	4.60	550 sks/170 bbl 1.74 ft3/sk 9.19 gal/sk
Event	9	Check Weight	Check weight	7/4/2016	23:37:11	COM1	201.00	13.40	8.00	13.5 ppg
Event	10	Drop Top Plug	Drop Top Plug	7/5/2016	00:00:58	COM1	-2.00	19.63	0.00	Witnessed by company rep
Event	11	Pump Displacement	Pump Displacement	7/5/2016	00:01:03	COM1	-3.00	20.05	0.00	115 bbl water displacement
Event	12	Other	Red dye to surface	7/5/2016	00:13:05	COM1	419.00	7.78	8.50	60 bbl into displacement. 20 bbl back.
Event	13	Other	Cement to surface	7/5/2016	00:15:45	COM1	508.00	7.80	7.00	80 bbl into displacment. 35 bbl back.
Event	14	Bump Plug	Bump Plug	7/5/2016	00:23:30	COM1	971.00	7.80	0.00	500 psi circulating pressure. Pressured up to 990 psi.
Event	15	Other	Check floats	7/5/2016	00:23:53	COM1	1004.00	7.81	0.00	0.5 bbl back.
Event	16	End Job	End Job	7/5/2016	00:24:27	COM1	15.00	7.80	0.00	
Event	17	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	7/5/2016	00:25:00	USER	3.00	7.80	0.00	
Event	18	Depart Location Safety Meeting	Depart Location Safety Meeting	7/5/2016	01:00:00	USER				

3.0 Attachments

3.1 Case 1-Custom Results.png



3.2 Case 1-Custom Results (1).png

