

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

Date: Friday, August 19, 2016

Winder South #6

Surface

Job Date: Tuesday, August 16, 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 **Winder South #6** 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.

27 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]

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 369404		Ship To #: 3749844		Quote #:		Sales Order #: 0903476902					
Customer: EXTRACTION OIL & GAS -				Customer Rep: Jose Torres							
Well Name: WINDER SOUTH		Well #: 6		API/UWI #: 05-123-43403-00							
Field: WATTENBERG	City (SAP): WINDSOR	County/Parish: WELD		State: COLORADO							
Legal Description: SE NE-9-6N-67W-2306FNL-428FEL											
Contractor: White Mountain Drilling				Rig/Platform Name/Num: White Mountain 272							
Job BOM: 7521											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA/HX38199				Srvc Supervisor: Aaron Smith							
Job											
Formation Name											
Formation Depth (MD)		Top	Bottom								
Form Type				BHST							
Job depth MD		1596ft		Job Depth TVD		1596					
Water Depth				Wk Ht Above Floor		4					
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	1596	0	1596	
Open Hole Section			13.5				0	1596	0	1596	
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	9.625					Top Plug	9.625	1	HES		
Float Shoe	9.625	1	SSII	1596		Bottom Plug	9.625		HES		
Float Collar	9.625	1	SSII	1552		SSR plug set	9.625		HES		
Insert Float	9.625					Plug Container	9.625	1	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			20	bbl	8.33				
Fluid Data											
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	SWIFTCCEM (TM) SYSTEM			565	sack	13.5	1.74		6	9.19
9.19 Gal		FRESH WATER									

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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
3	Displacement	Displacement	120	bbl	8.33				
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint	
Comment									

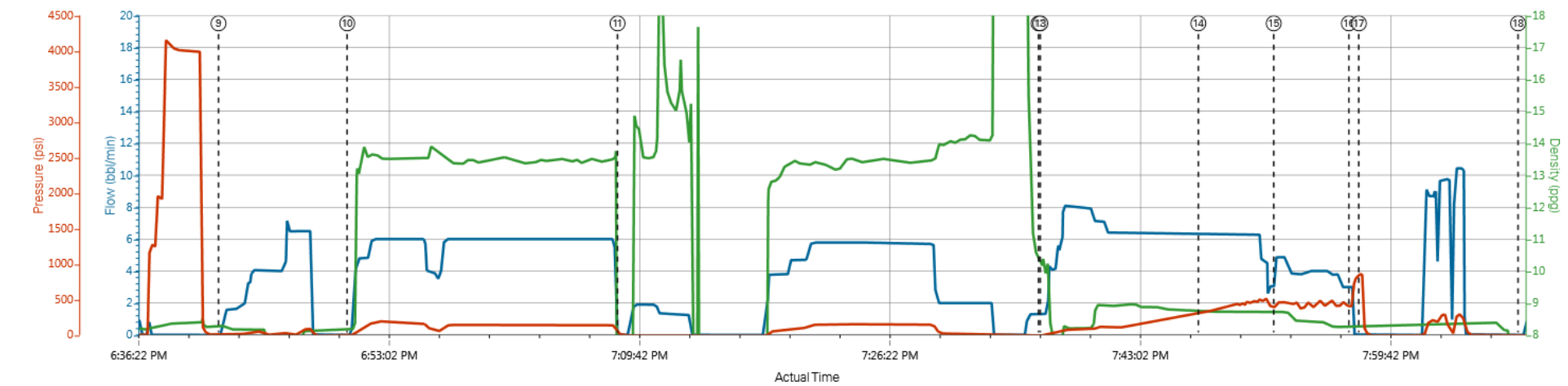
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Comments
Event	1	Call Out	Call Out	8/16/2016	11:30:00	USER				For on location @ 1730
Event	2	Depart from Service Center or Other Site	Depart from Service Center or Other Site	8/16/2016	16:30:00	USER				Journey management meeting held, Journey called into dispatch
Event	3	Arrive at Location from Service Center	Arrive at Location from Service Center	8/16/2016	17:30:00	USER				With all equipment and materials, rig circulating on bottom.
Event	4	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	8/16/2016	17:40:00	USER				JSA to discuss the hazards of rig-up
Event	5	Rig-Up Completed	Rig-Up Completed	8/16/2016	17:55:00	USER				
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	8/16/2016	18:00:00	USER				With all essential personnel.
Event	7	Start Job	Start Job	8/16/2016	18:11:19	COM6	0.00	0.00	-25.00	With water supplied from frac tanks, water tested good to mix cement, Temp 76, PH 7, CI 34.
Event	8	Prime Pumps	Prime Pumps	8/16/2016	18:35:54	COM6	0.90	8.23	3.00	Fill lines with 2 bbls fresh water
Event	9	Pump Spacer 1	Pump Spacer 1	8/16/2016	18:41:50	COM6	0.00	8.29	-1.00	20 bbls fresh water, first 10 bbls with red dye.
Event	10	Pump Lead Cement	Pump Lead Cement	8/16/2016	18:50:24	COM6	0.00	8.19	-2.00	565 sks (175 bbls) Swiftcem @ 13.5 ppg, verified with scales before pumping.
Event	11	Shutdown	Shutdown	8/16/2016	19:08:23	USER	0.00	0.39	8.00	Scaled and scales were off by 3/10s, shutdown and fixed recirc, Start to pump and noticed recirc was lower than what scaled and auto-scaled too, due to master water being opened, shutdown, fixed weight and rescaled.
Event	12	Drop Top Plug	Drop Top Plug	8/16/2016	19:36:25	COM6	1.30	10.33	-7.00	Pre-load top plug in plug container, verified by customer rep.
Event	13	Pump Displacement	Pump Displacement	8/16/2016	19:36:32	COM6	1.30	10.44	-8.00	120 bbls pit water.
Event	14	Other	Spacer Returns to Surface	8/16/2016	19:47:03	COM6	6.30	8.77	322.00	@73 bbls displacement 20 bbls to surface
Event	15	Other	Cement Returns to	8/16/2016	19:52:04	COM6	4.90	8.72	483.00	@93 bbls displacement, 27 bbls to surface

Surface										
Event	16	Bump Plug	Bump Plug	8/16/2016	19:57:04	USER	3.00	8.25	393.00	@ 500 Over, Final Circulating pressure 476 psi
Event	17	Check Floats	Check Floats	8/16/2016	19:57:44	USER	0.00	8.27	864.00	Floats good .5 bbls back
Event	18	End Job	End Job	8/16/2016	20:08:20	COM6	0.00	0.08	-8.00	
Event	19	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	8/16/2016	20:10:21	USER	2.10	8.59	-10.00	JSA to discuss the hazards of rig-down
Event	20	Rig-Down Equipment	Rig-Down Completed	8/16/2016	20:30:00	USER				
Event	21	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	8/16/2016	21:00:00	USER				Journey management meeting, Journey called into dispatch

Extraction Oil & Gas Winder South 6 Surface



			Comb Pump Rate (bbl/min)		DH Density (ppg)		PS Pump Press (psi)	
Location from Service Center n/a;n/a;n/a								
⑤ Rig-Up Completed n/a;n/a;n/a			⑦ Start Job 0;0;-25		⑨ Pump Spacer 1 0;8.29;-1		⑪ Shutdown 0;0.39;8	
⑥ Pre-Job Safety Meeting n/a;n/a;n/a			⑧ Prime Pumps 0.9;8.23;3		⑩ Pump Lead Cement 0;8.19;-2		⑬ Pump Displacement 1.3;10.44;-8	
					⑫ Drop Top Plug 1.3;10.33;-7		⑮ Cement Returns to Surface 4.9;8.72;483	
							⑰ Check Floats 0;8.27;864	
							⑲ Pre	
							⑳ End Job 0;0.08;-8	
							20 Ri	

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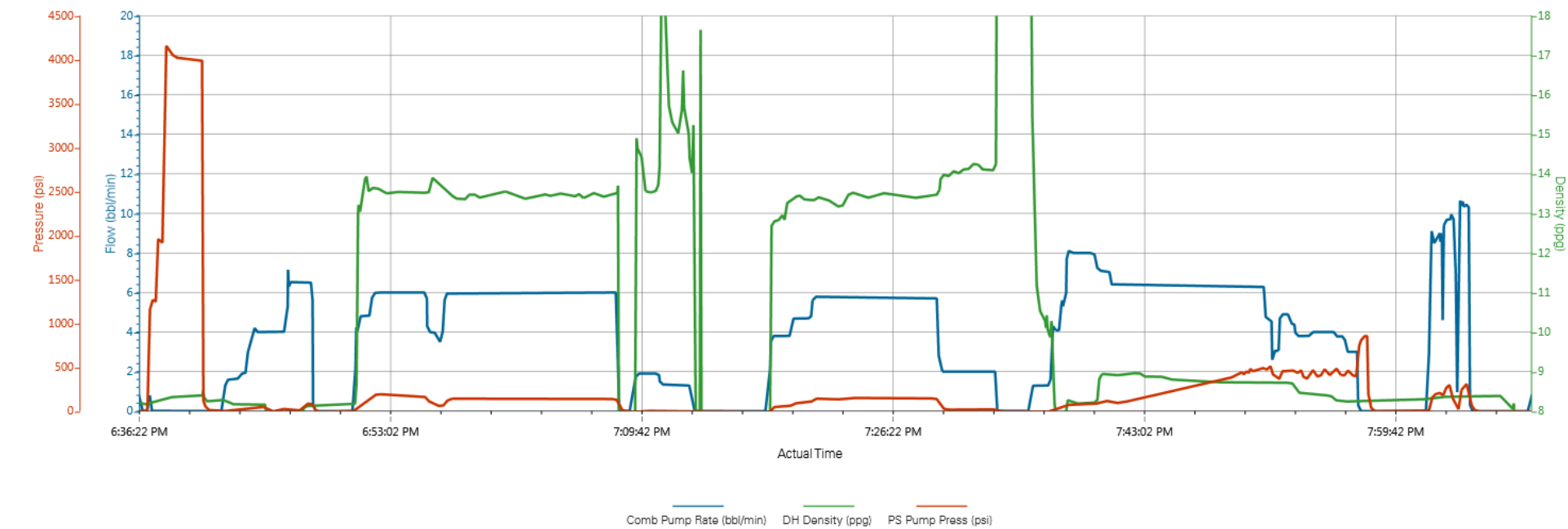
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Customer : EXTRACTION OIL & GAS
Representative :

Job Date : 8/16/2016 6:09:20 PM
Sales Order # :

Well : Winder South 6

Extraction Oil & Gas Winder South 6 Surface



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Created: 2016-08-16 18:03:23, Version: 4.2.393

Edit

Customer : EXTRACTION OIL & GAS
Representative :

Job Date : 8/16/2016 6:09:20 PM
Sales Order # :

Well : Winder South 6

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(v. 4.2.393)

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