

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

United States of America

Date: Monday, December 05, 2016

Mickey #1

Surface

Job Date: Monday, November 14, 2016

Sincerely,

Justin Lansdale

Legal Notice

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Mickey #1** 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 [Fort Lupton]

The Road to Excellence Starts with Safety

Sold To #: 369404		Ship To #: 3766593		Quote #:		Sales Order #: 0903665307				
Customer: EXTRACTION OIL & GAS -				Customer Rep: Larry Siegel						
Well Name: MICKEY			Well #: 1			API/UWI #: 05-123-43853-00				
Field: WATTENBERG		City (SAP): WINDSOR		County/Parish: WELD			State: COLORADO			
Legal Description: SW NE-5-6N-67W-2418FNL-1768FEL										
Contractor:				Rig/Platform Name/Num: Spud Rig						
Job BOM: 7521										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HX38199				Srv Supervisor: Nathaniel Moore						
Job										
Job depth MD		1553 ft		Job Depth TVD						
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	1553	0	1553
Open Hole Section			13.5				0	1560	0	1560
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Float Shoe	9.625			1553		Bottom Plug	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	Red Dye Spacer	Red Dye Spacer	20	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	525	sack	13.5	1.74		5	9.2	
9.20 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	Fresh Water	Fresh Water	117	bbl	8.33					

Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint	

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	Comments
Event	1	Call Out	Call Out	11/14/2016	22:00:00	USER	Verify equipment and materials
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	11/14/2016	00:30:00	USER	
Event	3	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	11/14/2016	01:30:00	USER	Rig laying down drill pipe. Spot equipment and rig up what we can.
Event	4	Pre-Job Safety Meeting	Pre-Job Safety Meeting	11/14/2016	08:40:00	USER	Discuss job procedure
Event	5	Start Job	Start Job	11/14/2016	09:00:57	COM1	Fil llines 3 bbl water. Circulation established
Event	6	Test Lines	Test Lines	11/14/2016	09:06:15	COM1	500 psi kickout test and 2500 psi pressure test
Event	7	Pump Spacer 1	Pump Spacer 1	11/14/2016	09:10:18	COM1	20 bbl water with dye in last 10
Event	8	Check Weight	Check weight	11/14/2016	09:23:43	COM1	13.5 ppg verified with pressurized scales
Event	9	Pump Lead Cement	Pump Lead Cement	11/14/2016	09:25:49	COM1	525 sks/163 bbl 13.5 ppg 1.74 ft3/sk 9.2 gal/sk
Event	10	Shutdown	Shutdown	11/14/2016	09:54:13	COM1	Washup on top of plug
Event	11	Drop Top Plug	Drop Top Plug	11/14/2016	09:56:54	COM1	
Event	12	Pump Displacement	Pump Displacement	11/14/2016	09:56:58	COM1	117 bbl water displacement
Event	13	Other	Cement to surface	11/14/2016	10:09:08	COM1	60 bbl into displacement. 30 bbl cement back total

Event	14	Bump Plug	Bump Plug	11/14/2016	10:18:41	COM1	600 psi final pump pressure. Pressured up to 1500 psi for casing pressure test
Event	15	Other	Check floats	11/14/2016	10:21:04	COM1	0.5 bbl back. Floats held
Event	16	Depart Location Safety Meeting	Depart Location Safety Meeting	11/14/2016	11:30:00	USER	

2.2 Custom Graph



