

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

United States of America, COLORADO

Date: Monday, December 05, 2016

Mickey #2

Surface

Job Date: Tuesday, November 15, 2016

Sincerely,

Justin Lansdale

Legal Notice

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Table of Contents

Cementing Job Summary 4

 Executive Summary4

Real-Time Job Summary 7

 Job Event Log.....7

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Mickey #2** 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.

During displacement 24 bbls 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 [Fort Lupton]

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*Cementing Job Summary**The Road to Excellence Starts with Safety*

Sold To #: 369404		Ship To #: 3766616		Quote #:		Sales Order #: 0903661845				
Customer: EXTRACTION OIL & GAS -				Customer Rep: SHAWN MCINTYRE						
Well Name: MICKEY		Well #: 2		API/UWI #: 05-123-43850-00						
Field: WATTENBERG		City (SAP): WINDSOR		County/Parish: WELD		State: COLORADO				
Legal Description: SW NE-5-6N-67W-2419FNL-1783FEL										
Contractor:				Rig/Platform Name/Num: Spud Rig						
Job BOM: 7521										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA/HX38199				Srv Supervisor: Jesse Slaughter						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		1553ft		Job Depth TVD						
Water Depth				Wk Ht Above Floor		6ft				
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	1553	0	1553
Open Hole Section			13.5				0	1580	0	1580
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	9.625			1553		Top Plug	9.625	1	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	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	Red Dye Spacer	Red Dye Spacer	20	bbl	8.33			2		
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	SWIFTCM (TM) SYSTEM	525	sack	13.5	1.74		5.5	9.2	
9.20 Gal		FRESH WATER								

last updated on 11/15/2016 7:08:43 AM

Page 1 of 3

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Cementing Job Summary

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	116.7	bbl	8.33			7.5	
Cement Left In Pipe		Amount	44 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	Comments
Event	1	Call Out	Call Out	11/15/2016	20:00:00	USER	
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	11/15/2016	21:50:00	USER	WITH ALL HES PERSONNEL
Event	3	Crew Leave Yard	Crew Leave Yard	11/15/2016	22:00:00	USER	
Event	4	Arrive At Loc	Arrive At Loc	11/15/2016	23:00:00	USER	RIG WAS PULLING PIPE UPON HES ARRIVAL
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	11/15/2016	23:10:00	USER	WITH ALL HES PERSONNEL
Event	6	Other	Spot Equipment	11/15/2016	23:20:00	USER	
Event	7	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	11/15/2016	23:30:00	USER	WITH ALL HES PERSONNEL
Event	8	Rig-Up Equipment	Rig-Up Equipment	11/15/2016	23:35:00	USER	1 RED TIGER, 2 BODY LOADS
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	11/15/2016	04:40:00	USER	WITH ALL HES PERSONNEL
Event	10	Start Job	Start Job	11/15/2016	04:48:00	USER	TD 1580 FT, TP 1553 FT, SHOE 43.67 FT, CSG 9 5/8 IN 36 LB/FT, HOLE 13 1/2 IN, MUD WT 8.8 PPG
Event	11	Prime Pumps	Prime Pumps	11/15/2016	04:50:22	USER	FRESH WATER. AS PER COMPANY REP HES CIRCULATED WELL.
Event	12	Test Lines	Test Lines	11/15/2016	05:02:18	COM11	TESTED LINES TO 3045 PSI PRESSURE HOLDING
Event	13	Pump Spacer 1	Pump Red Dye Spacer	11/15/2016	05:10:48	COM11	FRESH WATER WITH 2 LB RED DYE
Event	14	Pump Cement	Pump Cement	11/15/2016	05:23:03	COM11	525 SKS AT 13.5 PPG, 1.74 FT3/SK, 9.2 GAL/SK
Event	15	Shutdown	Shutdown	11/15/2016	05:59:24	USER	

Event	16	Drop Top Plug	Drop Top Plug	11/15/2016	06:02:04	USER	PLUG LAUNCHED
Event	17	Pump Displacement	Pump Displacement	11/15/2016	06:03:04	COM11	FRESH WATER
Event	18	Slow Rate	Slow Rate	11/15/2016	06:22:14	USER	SLOWED RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Event	19	Bump Plug	Bump Plug	11/15/2016	06:25:01	COM11	
Event	20	Check Floats	Check Floats	11/15/2016	06:27:16	USER	FLOATS HOLDING. HES RETURNED 1/2 BBLS H2O TO PUMP
Event	21	End Job	End Job	11/15/2016	06:28:00	COM11	PIPE WAS STATIC DURING JOB. GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 24 BBLS CEMENT TO SURFACE. USED 50 LBS SUGAR FOR JOB.
Event	22	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	11/15/2016	06:35:00	USER	WITH ALL HES PERSONNEL
Event	23	Rig-Down Equipment	Rig-Down Equipment	11/15/2016	06:45:00	USER	
Event	24	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	11/15/2016	07:50:00	USER	WITH ALL HES PERSONNEL
Event	25	Crew Leave Location	Crew Leave Location	11/15/2016	08:00:00	USER	
Event	26	Comment	Comment	11/15/2016	08:01:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT

Custom Results

