

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

United States of America

Date: Wednesday, November 09, 2016

Hester Farms D-36HN

Surface

Job Date: Sunday, November 06, 2016

Sincerely,

Lauren Roberts

Legal Notice

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Table of Contents

1.0 Cementing Job Summary 4

 1.1 Executive Summary4

2.0 Real-Time Job Summary 7

 2.1 Job Event Log7

3.0 Attachments..... 8

 3.1 903648046 Extraction Hester Farms D-36HN Surface-Custom Results.png8

 3.2 903648046 Extraction Hester Farms D-36HN Surface-Custom Results (1).png.....9

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Hester Farms D-36HN 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.

37 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 #: 369404		Ship To #: 3684139		Quote #:		Sales Order #: 0903648046				
Customer: EXTRACTION OIL & GAS -						Customer Rep: Larry Siegel				
Well Name: HESTER FARMS				Well #: D-36HN		API/UWI #: 05-123-41994-00				
Field: WATTENBERG		City (SAP): EATON		County/Parish: WELD		State: COLORADO				
Legal Description: 31-7N-66W-1634FNL-202FWL										
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		1588ft		Job Depth TVD						
Water Depth				Wk Ht Above Floor						
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	1588	0	1588
Open Hole Section			13.5				0	1588	0	1588
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Float Shoe	9.625			1588		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	Fresh Water	Fresh Water – Dye	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	SWIFTCESM™ SYSTEM	550	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	

37 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	11/6/2016	07:00:00	USER	OL time 1130. Verify equipment and materials. Bulk equipment being brought in from field to be re-loaded.
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	11/6/2016	10:50:00	USER	
Event	3	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	11/6/2016	12:00:00	USER	Casing on bottom. Spot in and rig up.
Event	4	Other	Meet with customer	11/6/2016	12:05:00	USER	TD 1588'. TP 1558' 9.625" 36# casing in 13.5" hole. 42' shoe.
Event	5	Start Job	Start Job	11/6/2016	12:44:13	COM1	Fill lines 5 bbl water. Circulation established
Event	6	Test Lines	Test Lines	11/6/2016	12:51:00	COM1	3000 psi pressure test with 500 psi kick-out function test
Event	7	Pump Spacer 1	Pump Spacer 1	11/6/2016	12:51:46	COM1	20 bbl water with dye in last 10.
Event	8	Pump Cement	Pump Cement	11/6/2016	13:03:55	COM1	550 sks/170 bbl 13.5 ppg 1.74 ft3/sk 9.2 gal/sk
Event	9	Check Weight	Check weight	11/6/2016	13:08:26	COM1	13.5 ppg verified with pressurized scales
Event	10	Drop Top Plug	Drop Top Plug	11/6/2016	13:32:02	COM1	Wash-up on top of plug
Event	11	Pump Displacement	Pump Displacement	11/6/2016	13:33:02	COM1	117 bbl water displacement
Event	12	Bump Plug	Bump Plug	11/6/2016	13:50:03	COM1	490 psi final circulating pressure. Pressured up to 1500 psi for 5 min casing test
Event	13	Other	Check floats	11/6/2016	13:52:07	COM1	0.5 bbl back
Event	14	End Job	End Job	11/6/2016	13:56:28	COM1	
Event	15	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	11/6/2016	13:56:29	USER	
Event	16	Depart Location Safety Meeting	Depart Location Safety Meeting	11/6/2016	15:00:00	USER	

3.0 Attachments

3.1 903648046 Extraction Hester Farms D-36HN Surface-Custom Results.png



3.2 903648046 Extraction Hester Farms D-36HN Surface-Custom Results (1).png

