

# HALLIBURTON

iCem<sup>®</sup> Service

## **EXTRACTION OIL & GAS**

United States of America

Date: Wednesday, November 09, 2016

### **Hester Farms F-36HN**

Surface

Job Date: Friday, November 04, 2016

Sincerely,  
Lauren Roberts

## Legal Notice

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## 1.0 Cementing Job Summary

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### 1.1 Executive Summary

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Halliburton appreciates the opportunity to perform the cementing services on the **Hester Farms F-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.

**45 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]**

## HALLIBURTON

## Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 369404	Ship To #: 3684141	Quote #:	Sales Order #: 0903646881
Customer: EXTRACTION OIL & GAS -		Customer Rep: Larry Siegel	
Well Name: HESTER FARMS	Well #: F-36HN	API/UWI #: 05-123-42001-00	
Field: WATTENBERG	City (SAP): EATON	County/Parish: WELD	State: COLORADO
Legal Description: 31-7N-66W-1664FNL-202FWL			
Contractor:		Rig/Platform Name/Num: Spud Rig	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX38199		Srv Supervisor: Bradley Hinkle	
Job			
Formation Name			
Formation Depth (MD)	Top	Bottom	
Form Type		BHST	
Job depth MD	1561ft	Job Depth TVD	
Water Depth		Wk Ht Above Floor	
Perforation Depth (MD)	From	To	
Well Data			
Description	New / Used	Size in	ID in
Casing		9.625	8.921
Open Hole Section			13.5
Tools and Accessories			
Type	Size in	Qty	Make
Guide Shoe	9.625		
Float Shoe	9.625	1	WTHFD
Float Collar	9.625	1	WTHFD
Insert Float	9.625		
Stage Tool	9.625		
Fluid Data			
Stage/Plug #: 1			
Fluid #	Stage Type	Fluid Name	Qty
1	Spacer	Red Dye Water	10
Fluid #			
2	SwiftCem	SWIFTCM (TM) SYSTEM	600
9.20 Gal			
FRESH WATER			

last updated on 11/4/2016 11:20:05 PM

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(v. 4.3.44)

Created: Wednesday, November 09, 2016

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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	Displacement	Fresh Water	117	bbl	8.33			8	
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint	
Mix Water: pH ##		Mix Water Chloride: ## ppm			Mix Water Temperature: ## °F °C				
Cement Temperature: ## °F °C		Plug Displaced by: ## lb/gal kg/m3 XXXX			Disp. Temperature: ## °F °C				
Plug Bumped? Yes/No		Bump Pressure: ### psi MPa			Floats Held? Yes/No				
Cement Returns: ## bbl m3		Returns Density: ## lb/gal kg/m3			Returns Temperature: ## °F °C				
Comment 45 bbls 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	11/4/2016	09:30:00	USER	Crew called out for an on location of 1300. Rig finishing pulling drill pipe.
Event	2	Arrive at Location from Service Center	Arrive at Location from Service Center	11/4/2016	13:05:00	USER	Perform a site assessment and pre rig-up safety meeting.
Event	3	Other	Other	11/4/2016	13:15:00	USER	Check-in with customer and get numbers. TD: 1588. TP: 1561. FC: 1516. 9.625" 36# casing in a 13.5" OH.
Event	4	Start Job	Start Job	11/5/2016	21:34:46	COM5	
Event	5	Test Lines	Test Lines	11/5/2016	21:40:40	COM5	Pressure test lines with a 500 PSI EKO test.
Event	6	Pump Spacer 1	Pump Spacer 1	11/5/2016	21:44:41	COM5	Pump 10 bbls red dye water.
Event	7	Pump Cement	Pump Cement	11/5/2016	22:00:02	COM5	Pump 181 bbls (600 sacks) SwiftCem mixed at 13.5 ppg. Density verified by pressurized scales.
Event	8	Check Weight	Check weight	11/5/2016	22:10:12	COM5	Cement weighed at 13.5 ppg.
Event	9	Shutdown	Shutdown	11/5/2016	22:25:14	COM5	
Event	10	Drop Top Plug	Drop Top Plug	11/5/2016	22:26:50	COM5	Top plug preloaded.
Event	11	Pump Displacement	Pump Displacement	11/5/2016	22:26:55	COM5	Pump 117 bbls fresh water. Good returns throughout. 45 bbls cement to surface.
Event	12	Bump Plug	Bump Plug	11/5/2016	22:53:08	COM5	Bump plug at 466 PSI and increased to 1000 PSI. Held until pressure leveled off.
Event	13	Pressure Up Well	Pressure Up Well	11/5/2016	22:54:40	COM5	Increase pressure to 1500 PSI and held to test integrity of casing.
Event	14	Check Floats	Check Floats	11/5/2016	22:55:48	USER	Floats held. 1 bbl back.
Event	15	End Job	End Job	11/5/2016	22:57:16	COM5	
Event	16	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	11/5/2016	22:57:18	USER	Pre rig-down safety meeting.
Event	17	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	11/5/2016	23:16:04	USER	Pre-journey safety meeting.

## 3.0 Attachments

### 3.1 EXTRACTION HESTER FARMS F-36HN SURFACE.png

