

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

United States of America, COLORADO

Date: Tuesday, December 27, 2016

Matrix B-29HN Surface

Job Date: Thursday, November 24, 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

 Custom Graph.....9

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Matrix B-29HN** 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 #: 3633958		Quote #:		Sales Order #: 090365860					
Customer: EXTRACTION OIL & GAS -				Customer Rep: Sean McIntyre							
Well Name: MATRIX			Well #: B-29HN		API/UWI #: 05-123-40697						
Field: GREELEY		City (SAP): GREELEY		County/Parish: WELD		State: COLORADO					
Legal Description: SE SW-29-6N-65W-444FSL-2322FWL											
Contractor:				Rig/Platform Name/Num: Spud Rig							
Job BOM: 7521											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA\HX38199				Srv Supervisor: Jacob Ayers							
Job											
Formation Name											
Formation Depth (MD)		Top		Bottom							
Form Type				BHST							
Job depth MD		1633 ft		Job Depth TVD							
Water Depth				Wk Ht Above Floor							
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	1633	0	1633	
Open Hole Section			13.5				0	1633	0	1633	
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	9.625			1633		Top Plug	9.625		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		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				

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	575	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	122	bbl	8.33				
Cement Left In Pipe		Amount	43.5 ft		Reason			Shoe Joint	
Comment 70 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	Arrive at Location from Other Job or Site	Arrive at Location from Other Job or Site	11/24/2016	10:00:00	USER	requested on location time was 1000
Event	2	Start Job	Start Job	11/24/2016	13:53:46	COM5	
Event	3	Pressure Test	Pressure Test	11/24/2016	13:58:26	USER	test pumps and lines to 2600
Event	4	Standby Other	Standby Other	11/24/2016	14:07:56	USER	shut down,rig cellar pump went down had to swap it out
Event	5	Pump Spacer	Pump Spacer	11/24/2016	14:54:24	USER	20 bbl red dye water spacer
Event	6	Pump Cement	Pump Cement	11/24/2016	15:01:09	USER	575 sks 1.74 yield 9.2 wrq = 178bbl cmt @13.5#
Event	7	Check Weight	Check Weight	11/24/2016	15:03:45	USER	checked weight and auto called down hole
Event	8	Drop Plug	Drop Plug	11/24/2016	15:32:24	USER	shut down dropped plug
Event	9	Pump Displacement	Pump Displacement	11/24/2016	15:35:01	USER	calculated 122bbl to land plug
Event	10	Cement Returns to Surface	Cement Returns to Surface	11/24/2016	15:48:52	USER	calculated 32 bbl cmt back 70 bbl actually returned to surface
Event	11	Bump Plug	Bump Plug	11/24/2016	16:02:43	USER	calculated 440psi to land plug actually landed @ 560psi/ floats held 3/4bbl back
Event	12	End Job	End Job	11/24/201	16:07:57	COM5	

2.2 Custom Graph

