

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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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				Srvc 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											
Open Hole Section											
Tools and Accessories											
Type											
Size in											
Qty											
Make											
Depth ft											
Type											
Size in											
Qty											
Make											
Guide Shoe											
Float Shoe											
Float Collar											
Insert Float											
Stage Tool											
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

