

HALLIBURTON

## Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 374215		Ship To #: 3696138		Quote #:		Sales Order #: 0903480909	
Customer: CUB CREEK ENERGY LLC				Customer Rep: Chris Montoya			
Well Name: VAIL			Well #: 2		API/UWI #: 05-123-42257-00		
Field: WATTENBERG		City (SAP): JOHNSTOWN		County/Parish: WELD		State: COLORADO	
Legal Description: SW NW-12-4N-68W-2289FNL-249FWL							
Contractor:				Rig/Platform Name/Num: Savanna 802			
Job BOM: 7523							
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	11617ft		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	1533	0	1560
Casing		5.5	4.892	17			0	11617	0	6776
Open Hole Section			8.75				1533	11627	1533	6776

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	5.5			11617		Top Plug	5.5	2	DHT
Float Shoe	5.5					Bottom Plug	5.5		HES
Float Collar	5.5		DHT	11617		SSR plug set	5.5		HES
Insert Float	5.5					Plug Container	5.5		HES
Stage Tool	5.5					Centralizers	5.5		HES

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water Spacer		20	bbl	8.33			3		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	

last updated on 8/16/2016 5:39:01 AM

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iCem® Service

(v. 4.2.393)

Created: Thursday, August 18, 2016

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2	11.5 lb/gal Tuned Spacer III	Tuned Spacer III	25	bbl	11.5	3.74		4	
149.34 lbm/bbl			BARITE, BULK (100003681)						
36 gal/bbl			FRESH WATER						
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	13.2# ElastiCem w/o CBL	ELASTICEM (TM) SYSTEM	200	sack	13.2	1.57		6	7.51
7.51 Gal			FRESH WATER						
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	13.2# ElastiCem	ELASTICEM (TM) SYSTEM	950	sack	13.2	1.57		6	7.51
7.51 Gal			FRESH WATER						
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
5	13.5# EconoCem	ECONOCEM (TM) SYSTEM	850	sack	13.5	1.68		6	8
8 Gal			FRESH WATER						
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
6	Fresh Water Displacement		269	bbl	8.33			8	
Cement Left In Pipe		Amount	0 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 40 bbls Cement and 25 bbls Tuned Spacer to surface.									

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3.0 Attachments

3.1 903480909 Cub Creek Vail #2 Production.png

