

1.2 Cementing Job Summary

**HALLIBURTON**

*Cementing Job Summary*

The Road to Excellence Starts with Safety

Sold To #: 340078		Ship To #: 3187888		Quote #:		Sales Order #: 0901577520				
Customer: ENCANA OIL & GAS (USA) INC. - EBUS				Customer Rep:						
Well Name: BOYD		Well #: 3B-19 H-M368		API/UWI #: 05-123-37793-00						
Field: WATTENBERG		City (SAP): MEAD		County/Parish: WELD		State: COLORADO				
Legal Description: SW SW-19-3N-68W-1059FSL-612FWL										
Contractor: ENSIGN DRLG				Rig/Platform Name/Num: ENSIGN 135						
Job BOM: 7523										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA/HB47901				Srvc Supervisor: Dennis A. Sims						
Job										
Formation Name										
Formation Depth (MD)		Top			Bottom					
Form Type										
Job depth MD										
Water Depth										
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		7	6.366	23		N-80	0	7743	0	0
Casing		4.5	3.92	13.5		P-110	0	11577	0	0
Open Hole Section			6.125				7743	11588	0	0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe	4.5	1		11577	Top Plug	4.5	1	HES		
Float Shoe	4.5	1			Bottom Plug	4.5	1	HES		
Float Collar	4.5	1			SSR plug set	4.5	1	HES		
Insert Float	4.5	1			Plug Container	4.5	1	HES		
Stage Tool	4.5	1			Centralizers	4.5	1	HES		
Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc		Acid Type	Qty	Conc
Treatment Fld		Conc		Inhibitor		Conc		Sand Type	Size	Qty
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	13 lb/gal Tuned Spacer III	Tuned Spacer III	30	bbl		3.36	21.4	4		
33.86 gal/bbl		FRESH WATER								
166.21 lbm/bbl		BARITE, 100 LB SK (100003680)								

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Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
2	Expandacem B2	EXPANDACEM (TM) SYSTEM	345	sack	13.8	1.67			7.7
7.70 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Fresh Water	Fresh Water	173	bbl	8.3				
Cement Left in Pipe		Amount	ft	Reason			Shoe Joint		
Comment									