

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	BHST									
Job depth MD	11577ft	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		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 ft3/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)								

last updated on 8/12/2014 3:48:28 PM

Page 1 of 3

HALLIBURTON

Cementing Job Summary

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
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 ft3/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									