

## 1.2 Cementing Job Summary

# HALLIBURTON

## Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 3542622	Quote #:	Sales Order #: 0901683910							
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: Encana Rep								
Well Name: DALE	Well #: 41-20H-0264	API/UWI #: 05-123-39727-00								
Field: WATTENBERG	City (SAP): KEENESBURG	County/Parish: WELD	State: COLORADO							
Legal Description: SW SE-20-2N-64W-337FSL-1746FEL										
Contractor:		Rig/Platform Name/Num: H&P 278								
Job BOM: 7523										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA/HB21661		Srcv Supervisor: Nathan McBride								
<b>Job</b>										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type		BHST								
Job depth MD	17387ft	Job Depth TVD								
Water Depth		Wk Ht Above Floor								
Perforation Depth (MD)	From	To								
<b>Well Data</b>										
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	8102		
Casing		4.5	3.92	13.5		P-110	0	17387		
Open Hole Section			6.125				8102	17387		
<b>Tools and Accessories</b>										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe	4.5			17387	Top Plug	4.5		HES		
Float Shoe	4.5				Bottom Plug	4.5		HES		
Float Collar	4.5				SSR plug set	4.5		HES		
Insert Float	4.5				Plug Container	4.5		HES		
Stage Tool	4.5				Centralzers	4.5		HES		
<b>Miscellaneous Materials</b>										
Gelling Agt		Conc		Surfactant		Conc	Acid Type	Qty	Conc	
Treatment Fld		Conc		Inhibitor		Conc	Sand Type	Size	Qty	
<b>Fluid Data</b>										
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	13	2.37	14.4	5		
33.86 gal/bbl		FRESH WATER								
235.92 lbm/bbl		BARITE, BULK (100003681)								

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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	351	sack	13.8	1.67		4	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	170.1	bbl	8.3				
Cement Left In Pipe		Amount	ft	Reason			Shoe Joint		
Comment									