

1.2 Cementing Job Summary

HALLIBURTON

The Road to Excellence Starts with Safety											
Sold To #: 340078			Ship To #: 3542526			Primary Sales Order #: 0901656220					
Customer: ENCANA OIL & GAS (USA) INC. - EBUS						Job Purpose: 7523 CMT PRODUCTION CASING BOM					
Well Name: DALE				Well #: 4J-20H-0264			API/UWI #: 05-123-39729-00				
Field: WATTENBERG			City: KEENESBURG			Country/Parish: WELD			State/Prov: COLORADO		
Legal Description:											
Rig Name & Number / Phone Number: H&P 278 / 307-212-4700									Location: LAND		
myCem id# :			Job Criticality Status: GREEN			iFacts Request id #:					
Contacts											
Type		Name			Email			Phone			
Account Rep		Ryan Wyckoff			Ryan.Wyckoff@halliburton.com			+17205386044			
Service Coordinator		Mark Dean			Chris.Dean@Halliburton.com			+18323120276			
Company Man											
PPE, Safety Huddles, JSA's, HOC & Near Miss Reporting, BBP Observations											
Distance/Mileage(1 way)		75 mile			Distance/Mileage(1 way) Mtls:			75 mile			
Srvcs:					Rqstd Job Start Date/Time:			09/25/2014			
HSE Information											
H2S Present:		Unknown			CO2 Present:			Unknown			
Drive Safely. Lights On for Safety. Wear Seat Belts. Observe all HES / Customer Safety Policies.											
Directions:											
I-76 East to Exit 43 Kersy Road To stop Sign CR49 TI 1 mile to CR 18 TR East 1.10 miles to turn off to location											
Instruction											
Cementer: Bring a 4 1/2" Plug Container, Manifold & 8rd Swage. 5 gal of MMCR for Displacement & 100# of sugar.											
General Equipment											
3rd Party / Inventory Items											
SAP Number		Description			Quantity		UoM		Pricing Enabled		
Job Info / Well Data											
Job Depth (MD) ft		Job Depth (TVD) ft		Well Fluid Type		Well Fluid Weight lbm/gal		Displacement Fluid		Displ Fluid Weight lbm/gal	
17387				Oil Based		11		Fresh Water		8.3	
BHST degF		BHCT degF		Log Temp degF				Time Since Circ Stopped HH:MM:SS			
Job Tubulars/Tools											
Description	Size in	Weight lbm/ft	ID in	Thread	Grade	Top MD ft	Btm MD ft	Top TVD ft	Btm TVD ft	Shoe Jnt ft	% Excess
Intermedi	7	23	6.366		N-80	0	8102				

ate Casing										
Production n Open Hole			6.125			8102	17387			20
Production n Casing	4.5	13.5	3.92		P-110	0	17387			

Mud conditioning plan

The condition of the drilling fluid is one of the most important variables in achieving a cement barrier. Prior to cementing, circulate the mud at the planned highest displacement rate for the cement job for at least 2 bottoms-up until the well is clean, mud is free of gas and pump pressures have stabilized.

Materials

Stage/Plug #: 1

Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft3/sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time
1	13 lb/gal Tuned Spacer III		30	bbl	13	2.37	14.4	5		
235.92 lbm/bbl		Barite								
iFacts Test id #										

Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft3/sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time hr
2	ExpandaC em B2	EXPANDACEM (TM) SYSTEM	328	sack	13.8	1.67	7.7	4	7.7	
iFacts Test id #										

Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft3/sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time
3	Fresh Water		259.5	bbl	8.3					
iFacts Test id #										

Caution: Displacement quantities and densities are estimates ONLY! Do not use them for the actual job.

Packaged Materials

SAP #	Material	Qty	UOM	Comments
	FRESH WATER	3541.4	Gal	

Casing Equipment