

Casing Cementing



Company: ENCANA USA - DENVER, FOR XML BILLINGS ONLY
(EDI)

Well Name: Billings 3G 18H #0631451716

Field: DJ

County: Weld

State: CO

Date: 12/16/2014

Well Location: P326

Well Number (API): 05123368930000

Proposal Number: 2

Contact: Lindsay Hubbard

Made By: Jeff Eulberg

Service from District: Cheyenne, WY

District Phone: (303) 486-3245

Objective: Previous Casing: 7553'
Top of Cement(previous casing - 2000'): 5553'
OH Excess: 20%
TD: 14136' (7103')

Bring extra iron for rotating cement head
Bring 15 lbs D800 for Displacement
CemNET in all Cement 2 lb/bbl (use at Co Man's
discretion)

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FLUID SYSTEMS

MUDPUSH Express			
System	MUDPUSH Express		
Density	13.30 lb/gal		
Total Volume	40.0 bbl		
Additives	Code	Description	Concentration
	B389 D031	Cementing Additive B389 Weighting Agent	1.60 lb/bbl BW/V.Spacer 6452.8 lb/mgal

14.0# Lateral Cement (619 sacks, 75 lb per sack of Blend)			
System	Conventional		
Density	14.00 lb/gal		
Yield	1.55 ft ³ /sk		
Mix Water	7.092 gal/sk		
Mix Fluid	7.092 gal/sk		
Total Volume	170.9 bbl		
Additives	Code	Description	Concentration
	D049	Cement	75.013 lb/sk WBWOB
	D066	Silica	35.000 % BWOB
	B477	Mid Range Fluid Loss Additive B477	0.600 % BWOB
	D198	Retarder	0.400 % BWOB
	D046	Anti Foam	0.500 % BWOB
	D174	Expanding Agent	1.000 % BWOB
	D208	ScavengerPLUS	0.030 % BWOB
	D065	Dispersant	0.550 % BWOB
	D095	CemNET (Check with Co Man)	2 lb/bbl

Water	
System	Water
Density	8.32 lb/gal
Total Volume	209.8 bbl

Some of the chemicals specified in this program may have toxic properties. All personnel should be familiar with the inherent dangers and appropriate safeguards to prevent accidental injury. Use of the chemicals may be governed by certain laws and regulations and should only be used in accordance with such. Please refer to the MSDS sheets for the recommended safety precautions and required minimum personal protective equipment.