

Casing Cementing



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

Well Name: Billings 3F 18H #0631451714

Field: DJ

County: Weld

State: CO

Date: 12/9/2014

Well Location: P326

Well Number (API): 05123368910000

Proposal Number: 2

Contact: Lindsay Hubbard

Made By: Jeff Eulberg

Service from District: Cheyenne, WY

District Phone: (303) 486-3245

Objective: Previous Casing: 7677'
Top of Cement(previous casing - 2000'): 5677'
OH Excess: 20%
TD: 14,237' (7296')

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)

Disclaimer Notice

Schlumberger submits this document with the benefit of its judgment, experience, and good oilfield practices. This information is provided in accordance with generally accepted industry practice, relying on facts or information provided by others, limitations, computer models, measurements, assumptions and inferences that are not infallible.

Calculations are estimates based on provided information. All proposals, recommendations, or predictions are opinions only. NO WARRANTY IS GIVEN CONCERNING ACCURACY OR COMPLETENESS OF DATA, INFORMATION PRESENTED, EFFECTIVENESS OF MATERIAL, PRODUCTS OR SUPPLIES, RECOMMENDATIONS MADE, OR RESULTS OF THE SERVICES RENDERED.

Freedom from infringement of any intellectual property rights of Schlumberger or others is not to be inferred and no intellectual property rights are granted hereby.

Schlumberger



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 (618 sacks, 75 lb per sack of Blend)			
System	Conventional		
Density	14.00 lb/gal		
Yield	1.55 ft ³ /sk		
Mix Water	7.085 gal/sk		
Mix Fluid	7.085 gal/sk		
Total Volume	170.4 bbl		
Additives	Code	Description	Concentration
	D049	Cement	75.013 lb/sk BWOB
	D066	Silica	35.000 % BWOB
	B477	Mid Range Fluid Loss Additive B477	0.600 % BWOB
	D198	Retarder	0.200 % 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	211.3 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.