

Casing Cementing



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

Well Name: Grant Salisbury 2C-14H #0631592980

Field: DJ

County: Weld

State: CO

Date: 10/17/2014

Well Location: P272

Well Number (API): 05123376570000

Proposal Number: 2

Contact: Kellan Kamerzel

Made By: Jeff Eulberg

Service from District: Cheyenne, WY

District Phone: (303) 486-3245

Objective: Previous Casing: 7785'
Top of Cement(previous casing - 2000'): 5785'
OH Excess: 20%
TD: 13,352' (7280')

Bring extra iron for rotating cement head
Bring 15 lbs D800 for Displacement

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.

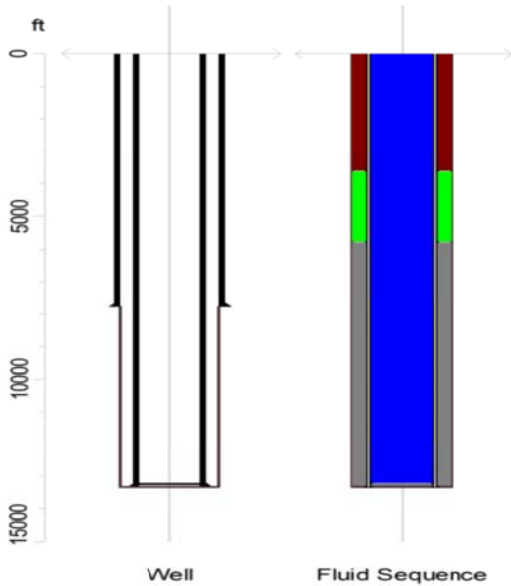
Calculations are estimates based on provided information. All proposals, recommendations, or predictions are opinions only. NO WARRANTY IS GIVEN CONCERNING ACCURACY OR COMPLETENESS OF DATA, INFORMATION PRESENTED, EFFECTIVENESS OF MATERIAL, PRODUCTS OR SUPPLIES, RECOMMENDATIONS MADE, OR RESULTS OF THE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



WELL DATA



Well Data	
Job Type :	Casing Cementing
Total Depth (Measured) :	13352.0 ft
True Vertical Depth (TVD) :	7279.8 ft
BHST (Tubular Bottom Static Temperature) :	196 degF
BHCT (Tubular Bottom Circulating Temperature) :	196 degF

Open Hole		
Mean Diameter without Excess	Bottom Depth	Annular Excess
6.125 in	13352.0 ft	20.000 %

Previous Casing					
OD	Weight	Grade	Thread	Inner Capacity	Bottom Depth
7 in	26.0 lb/ft	P-110	DWC	0.21 ft3/ft	7785.0 ft

Casing					
OD	Weight	Grade	Thread	Inner Capacity	Bottom Depth
4 1/2 in	13.5 lb/ft	P-110	DWC	0.08 ft3/ft	13352.0 ft

IMPORTANT:
The well data shown on this page is based on information available when this treatment program was prepared. This data must be confirmed on location with the wellsite supervisor prior to the treatment. Any changes in the well data need to be reviewed for their impact on the treatment design.

Annular Capacity (without Excess) : Casing Bottom / Open Hole : 0.09 ft3/ft
Annular Capacity (without Excess) : Previous Casing Bottom / Casing : 0.10 ft3/ft

Fluid Placement			
Fluid Name	Volume bbl	Density lb/gal	Top of Fluid ft
MUDPUSH Express	40.0	12.50	3633.5
13.5# Production	150.4	13.50	5785.0
Drop Plug			0.0
D800 Water	0.5	8.33	
Drop Balls			
D800 Water	9.5	8.33	
Water	188.1	8.32	

Total Liquid Volume : 388.5 bbl



FLUID SYSTEMS

MUDPUSH Express			
System	MUDPUSH Express		
Density	12.50 lb/gal		
Total Volume	40.0 bbl		
Additives	Code	Description	Concentration
	B389	Cementing Additive B389	0.40 lb/bbl BW/V.Spacer
	D066	Silica	6695.8 lb/mgal

13.5# Production (503 sacks, 75 lb per sack of Blend)			
System	Conventional		
Density	13.50 lb/gal		
Yield	1.68 ft ³ /sk		
Mix Water	8.109 gal/sk		
Mix Fluid	8.109 gal/sk		
Total Volume	150.4 bbl		
Additives	Code	Description	Concentration
	D049	Cement	75.013 lb/sk BWOB
	D066	Silica	35.000 % BWOB
	B477	Mid Range Fluid Loss Additive B477	0.700 % BWOB
	D065	Dispersant	0.250 % BWOB
	D013	Retarder	0.200 % BWOB
	D046	Anti Foam	0.200 % BWOB
	D208	ScavengerPLUS	0.050 % BWOB

Water	
System	Water
Density	8.32 lb/gal
Total Volume	198.1 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.