Casing Cementing

Company:	ENCANA USA - DENVER, FOR XML BILLINGS ONLY (EDI)
Well Name:	Grant Salisbury 2E-14H #0631586221
Field:	DJ
County:	Weld
State:	CO
Date:	9/24/2014
Well Location:	P272
Well Number (API):	
Proposal Number:	2.1
Contact:	Andrew Baltes
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: 13,163 (7215') Bring extra iron for rotating cement head Bring 10 gal D801 for Displacement

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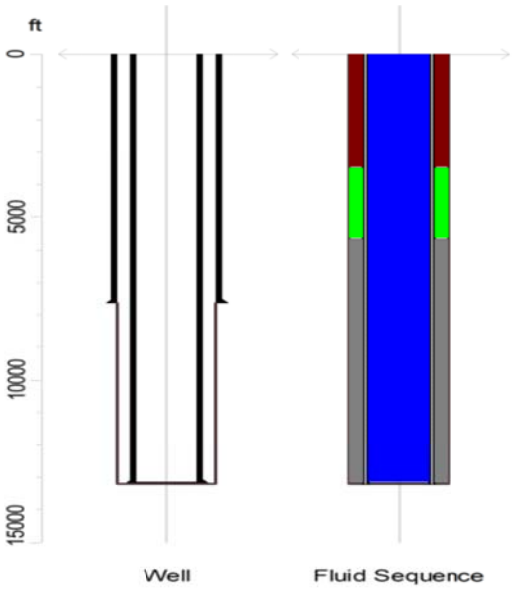
WELL DATA



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.

Fluid Placement			
Fluid Name	**Volume bbl**	**Density lb/gal**	**Top of Fluid ft**
MUDPUSH Express	40.0	13.00	3525.5
14.0# Lateral Cement	149.6	14.00	5677.0
Drop Plug			0.0
D801 Water	**0.5**	**8.33**	
Drop Balls			
D801 Water	**9.5**	**8.33**	
Water + KCL Subsitute	186.9	8.32	

Total Liquid Volume : 386.5 bbl

Well Data	
Job Type :	Casing Cementing
Total Depth (Measured) :	13163.0 ft
True Vertical Depth (TVD) :	7210.3 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	13233.0 ft	20.00 %

Previous Casing					
OD	**Weight**	**Grade**	**Thread**	**Inner Capacity**	**Bottom Depth**
7 in	26.0 lb/ft	P-110	DWC	0.21 ft3/ft	7677.0 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	13163.0 ft

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

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FLUID SYSTEMS

MUDPUSH Express			
System	MUDPUSH Express		
Density	13.00 lb/gal		
Total Volume	40.0 bbl		
Additives	**Code**	**Description**	**Concentration**
	B389	Cementing Additive B389	0.30 lb/bbl BW/V.Spacer
	D066	Silica	7498.6 lb/mgal

14.0# Lateral Cement (542 sacks, 75.0 lb per sack of Blend)			
System	Conventional		
Density	14.00 lb/gal		
Yield	1.55 ft3/sk		
Mix Water	7.084 gal/sk		
Mix Fluid	7.084 gal/sk		
Total Volume	149.6 bbl		
Additives	**Code**	**Description**	**Concentration**
	D049	Cement	75.00 lb/sk WBWOB
	D066	Silica	35.00 % BWOB
	B477	Fluid Loss	0.60 % BWOB
	D198	Retarder	0.20 % BWOB
	D046	Anti Foam	0.50 % BWOB
	D174	Expanding Agent	1.00 % BWOB
	D208	ScavengerPLUS	0.03 % BWOB
	D065	Dispersant	0.60 % BWOB

Water + KCL Subsitute	
System	Water
Density	8.32 lb/gal
Total Volume	196.9 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.

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