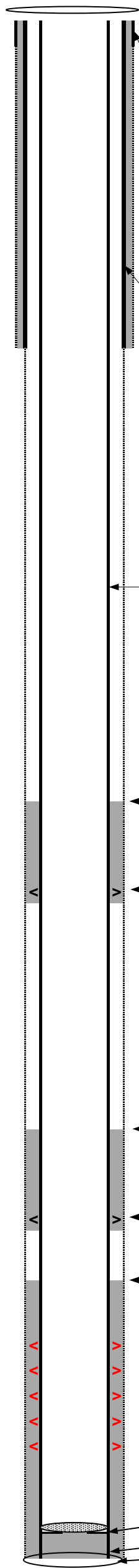


# Laramie Energy

## Current Well Schematic

Not to Scale



**Well Name** Cascade Creek 604-12-13  
**Diagram Date** 2017-Sep-21  
**Surface Location** 2804 FNL & 396 FWL SEC 4 T6S R97W  
**Btm Hole Location** 2843 FNL & 160 FWL SEC 4 T6S R97W (estimated from gyro dated 5/29/2011)  
**Field** Grand Valley  
**County** Garfield  
**State** Colorado  
**API** 05-045-13465-00  
**KB Elevation** 8653.5  
**KB Height** 25.0  
**GL Elevation** 8628.5

**Conductor** 16" @ 85  
**Cement** -  
**Surface Hole** 14-3/4"  
**Surface Casing** 9-5/8" 36# K55 @ 2776  
**Cement** Lead: 876 sx Premium Lite II @ 11.6 ppg  
Tail: 250 sx Class G @ 15.8 ppg  
**Production Hole** 8-3/4"  
**Production Casing** 5-1/2" 17# I80 @ 9298  
**Cement** Lead: 689 sx Premium Lite II @ 12 ppg  
Tail: 544 sx 50/50 Poz Class G @ 14.2 ppg

**TOC Squeeze 2** 5702-5932 per CBL dated 12/6/2005  
**Squeeze Cement** 12/1/2005  
10 bbls Class G @ 15.8 ppg  
10 bbls Poz @ 13.5 ppg  
**Squeeze Perfs** 5920-5922

**TOC Squeeze 1** 6864-7249 per CBL dated 12/6/2005  
**Squeeze Cement** 11/29/2005  
10 bbls Poz @ 13.5 ppg  
30 bbls Class G @ 15.8 ppg  
**Squeeze Perfs** 7210-7212

**TOC Primary** 7325 per CBL dated 11/6/2005

Completion	Stage	Depth
11/23/2005	5	7468-7717
11/23/2005	4	7787-8002
11/22/2005	3	8063-8249
11/21/2005	2	8313-8546
11/21/2005	1	8599-8929

**PBTB = FC** 9252  
**SHOE** 9298  
**TD** 9320

### Geological Tops

Wasatch G	4676
Fort Union	4942

Ohio Creek	6193
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Williams Fork	6558
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Top Gas	7121
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Cameo	8748
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Rollins	9079
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