



## Plug & Abandon Procedure

**Well: Cascade Creek 697-08-02B**

Dan Fouts

June 27, 2016

**WELL INFORMATION:**

Well Name: Cascade Creek 697-08-02B  
API #: 05-045-20961-00

Pad: Cascade Creek 697-08A  
County: Garfield  
Field: Grand Valley

Surface Location: 372 FNL & 1806 FWL NENW SEC08 T06S R97W  
Bottom Hole Location: 818 FNL & 142 FWL SEC08 T06S R97W

Elevations: KB Elevation: 8430  
KB Height: 30  
GL Elevation: 8400

PBTD: 8884 MD  
TD: 8940 MD

Casing: Surface: 14.75" hole @ 2740, 9-5/8" 36# J55 @ 2720, TOC @ surface  
Production: 8.75" hole @ 8940, 4-1/2" 11.6# P110 @ 8918, TOC @ 6323

Perforations: 7097-8588

Plugs: CIBP @ 7050 w/ 2 sx cement

Tubing: NONE

Reservoir Pressure: 2500 psi

Well Status: TA / Idle

Directions:

**Contacts:**

Health & Safety Coordinator	Laura Lancaster	970 644 1259
Production Coordinator	Mike Schaeffer	970 445 0393
Wellsite Consultant	Dan Hacking	970 778 1063
Wellsite Consultant	Troy Roehm	970 852 1806
Production Engineer	Dan Fouts	970 852 1170
Completions Manager	John Grubich	970 589 9496
Production Manager	Eric Lane	970 640 9172
Senior Regulatory Manager	Wayne Bankert	970 985 5383
Operations Manager	Chris Clark	970 462 8375

## PRE-JOB PLANNING:

1. Contact Mike Schaeffer to prep well and pad.
2. Move in 6500 feet of 2-3/8" L/N80 work string.
3. All cement to be neat Class G @ 15.8 PPG, yield @ 1.15 CF/SK, water @ 5 GAL/SK.

## PROCEDURE:

4. Hold pre-job safety meeting with all personnel involved in each operation.
5. MIRU service rig.
6. Kill well with lease water.
7. NU and test Class III BOPE to 2500 psi for 10 minutes.

### Isolate Top Mesaverde:

8. MIRU wireline perforators. Shoot 4 x 1/2" holes 90 degree phasing @ 5976.
9. PU tubing and RIH open ended to 5976.
10. Establish circulation.
11. MIRU cementers. Place cement plug:
  - a. If circulation: Balance 69 sx (200 LF) cement plug inside and outside 4-1/2" casing @ 5776-5976.
  - b. If no circulation: Squeeze 54 sx (200 LF) cement through perms and place 16 sx (200 LF) cement plug inside 4-1/2" casing @ 5776-5976.

### Isolate Surface Shoe:

12. Shoot 4 x 1/2" holes 90 degree phasing @ 2770.
13. Establish circulation.
14. Place cement plug:
  - a. If circulation: Balance 36 sx (100 LF) cement plug inside and outside 4-1/2" casing @ 2670-2770.
  - b. If no circulation: Squeeze 28 sx (100 LF) cement through perms and place 8 sx (100 LF) cement plug inside 4-1/2" casing @ 2670-2770.

### Install Surface Cement Plug:

15. Shoot 4 x 1/2" holes 90 degree phasing @ 100.
16. Establish circulation.
17. Balance 26 sx (70 LF) cement plug inside and outside 4-1/2" casing @ 30-100.
18. Cut off casing 3-4 feet below GL.
19. RDMO service rig.
20. Install abandonment marker over SHL as per COGCC regulations. The following minimum information shall be permanently placed on the marker with a plate beaded on by welding:
  - a. Operator name
  - b. Lease number
  - c. Well name and number
  - d. API number
  - e. Location by ¼ ¼ Section, Township and Range.