



Cameo Coal Recompletion Procedure

Well: Horseshoe Canyon 3-17

Prepared by Dan Fouts

WELL INFORMATION:

Well Name: Horseshoe Canyon 3-17
API #: 05-077-08720-00

Pad: NA
County: Mesa
Field: Shire Gulch

Surface Location: 1807 FNL & 1247 FEL NESE S17 T09S R97W
Surface GPS: 39.270781, -108.237278

Elevations: KB Elevation: 5434
KB Height: 10
GL Elevation: 5424

ETD: 3947 MD / 3444 TVD
PBSD: 3947 MD / 3444 TVD
TD: 4012 MD / 3508 TVD

Casing: Surface: 12.75" hole, 8.625" 24# J55 STC @ 420, TOC @ surface (calc)
Production: 7.875" hole, 5.5" 15.5# J55 @ 4003, TOC @ 1250 (CBL)

Perforations & Plugs: 3842-3885 - 28 Holes - Corcoran

Tubing: New 2-3/8" tbg estimated @ 3825

Reservoir Pressure: 1000 psi

Well Status: SI, last production Dec-2014

Directions: Contact Luke Cody

Contacts:

Health & Safety Coordinator	Laura Lancaster	970 644 1259
Production Coordinator	Luke Cody	970 250 9519
Production Manager	Eric Lane	970 640 9172
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
Senior Regulatory Manager	Wayne Bankert	970 985 5383
Operations Manager	Chris Clark	970 462 8375

PRE-JOB PLANNING:

1. Contact Laramie Energy Regulatory group to file Form 42 at least 10 days before MIRU.
2. Contact Luke Cody to blow down tubing, production casing, and intermediate casing and prep location.

Note: All cement to be neat Class G @ 15.8 PPG, yield @ 1.15 CF/SK, water @ 5 GAL/SK unless otherwise specified.

PROCEDURE:

1. Hold pre-job safety meeting with all personnel involved in each operation.
2. MIRU service rig.
3. Kill well with lease water.
4. ND production tree.
5. NU and test Class III BOPE to 2500 psi for 10 minutes.
6. POOH standing back tubing.
7. MIRU DLD wireline unit.
8. Run gauge ring to 3800.
9. Wireline set 5-1/2" 5k CIBP @ 3800.
10. Load hole with lease water.
11. Pressure test and chart 5-1/2" casing to 500 psi for 15 minutes.
12. Dump bail 12 sx (100 LF) cement plug @ 3700-3800 on top CIBP inside 5-1/2".
13. RDMO DLD.
14. MIRU perforators [TBD] with 3-1/8" HSC guns loaded 3 spf 120 deg with Owen SGH-3119-330 19g charges. Correlate to CBL/GR/CCL dated 4/10/01 and perforate the following intervals:
 - a. 3320-3330 (10)
 - b. 3272-3295 (23)
 - c. 3247-3267 (20)
 - d. 3194-3206 (12)
15. RDMO perforators.
16. RIH tubing with F nipple 1 jt from tail and land at 3175' +/-.
17. ND BOPE.
18. NU production tree.
19. RDMO service rig.