

P&A Procedure for the Figure Four Ranch 499-12-48

12-4S-99W Rio Blanco County, Colo.

9 5/8" @ 2,390' TOC at Surface

5 1/2" 17# @ 11,003' TOC 6,232' CBL, DV tool at 6,983'

Tubing: 3 1/2" 9.3# CS Hydrill in an Arrow Set Packer at 8,600'

Perfs: 7,842'-7,934'

9,732'-9962'8

P&A Activity to Date (08/13/2012)

- 3-1/2" tubing and packer could not be removed from the well.
 - CICR set at 8,580' inside the 3-1/2" tubing, and 160 sxs pumped below CICR. 3 sxs set on top of CICR.
- 3-1/2" tubing was cut at 7,700' and removed.
- 5-1/2 CICR was set at 7,680'.
 - 30 sxs pumped below CICR. 15 sxs set on top of CICR.
 - Casing failed pressure test.
 - Tagged cement on top of CICR at 7,420'.
- Spotted 25 sxs cement across DV tool (6,983') at 7,045'. Tagged top of cement plug at 6,700'.
- Pressure tested casing, but pressure kept bleeding off. Last good pressure test on casing was at 3,000'. Assume that casing from 3,000' – 6,700' is bad.
- Mitch Steinke spoke with Jay Krabacher, and the decision was made to spot 200' cement plugs spaced 1,000' apart from 6,700' to 3,000'.

The following procedures address the P&A from 8/13/2012 forward:

- Tag cement plug pumped at 6,700'.

- POH 1,000' above tag and spot 200' cement plug and WOC.
- Tag cement plug.
- Repeat above two steps setting 200' cement plugs spaced 1,000' apart, tagging in between each plug until cement is above 3,000'.
- POH, Cut and pull casing from 50' below base of surface
- RIH to casing stub, spot 80 sacks
- POH and WOC and tag
- TOC must be 50' above the shoe, add cement if necessary
- POH, NDBOP, RIH to 100' circulate cement to surface
- Cut off the wellhead
- Top off cement in annulus if necessary
- Weld a plate with well information, RDMO

All cement is 15.8# class G neat with a 1.15 cuft/sack yield

Well Name: Figure Four Ranch 499-12-48

API #: 050103109300000

Location: Sec. 12-4S-99W

KB: 8,410' (28' AGL)

GL: 8,382'

County/St: Rio Blanco, CO

Created By: T. Gallagher

Date: 7/30/2012

Proposed Wellbore

