



Thunder Federal 9-14

SE/SW - Section 9 - T4S - R102W

Federal Lease : COC-9496

API # 05-103-08816

Rio Blanco County, Colorado

P&A Procedure

July 10, 2012

Engineer: Tully Gallagher / Mills Bale

Production Group Lead: Jerry Dietz

North Piceance Team Lead: Jeff Balmer

Plug & Abandon Procedure

1. Notify the Meeker BLM office and COGCC at least 48 hours before plugging operations commence.
2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
3. MIRU pulling unit.
4. ND wellhead, NU BOP.
5. POOH with tubing. TIH w/ bit to 5,600' and TOO. H.
6. RIH with CIBP and set at 5,559 ft.
7. Load hole and test csg to 500 psi.
8. RIH with tubing and spot 1 BBL (5 sx) cement on CIBP at 5,559 ft.
9. PU tubing 200 ft and reverse circulate clean.
10. POOH with tubing.
11. Freepoint and cut off 4 ½" production casing at +/- 2,473'. POOH w/ csg.
12. Attempt to sting into 4 ½" casing stub and spot 80 sx cement.
13. Pull out of hole with tubing and WOC. Run in and tag cement top to verify it is 50' above shoe.
14. TIH to 260' feet and circulate 55 sx cement to surface.
15. Cut off casing 4 ft below ground level and weld on plate.
16. RDMO

Well Name: Federal 9-14

API #: 05103088160000

Location: Sec. 9-4S-102W

KB: 6,873' (10' AGL)

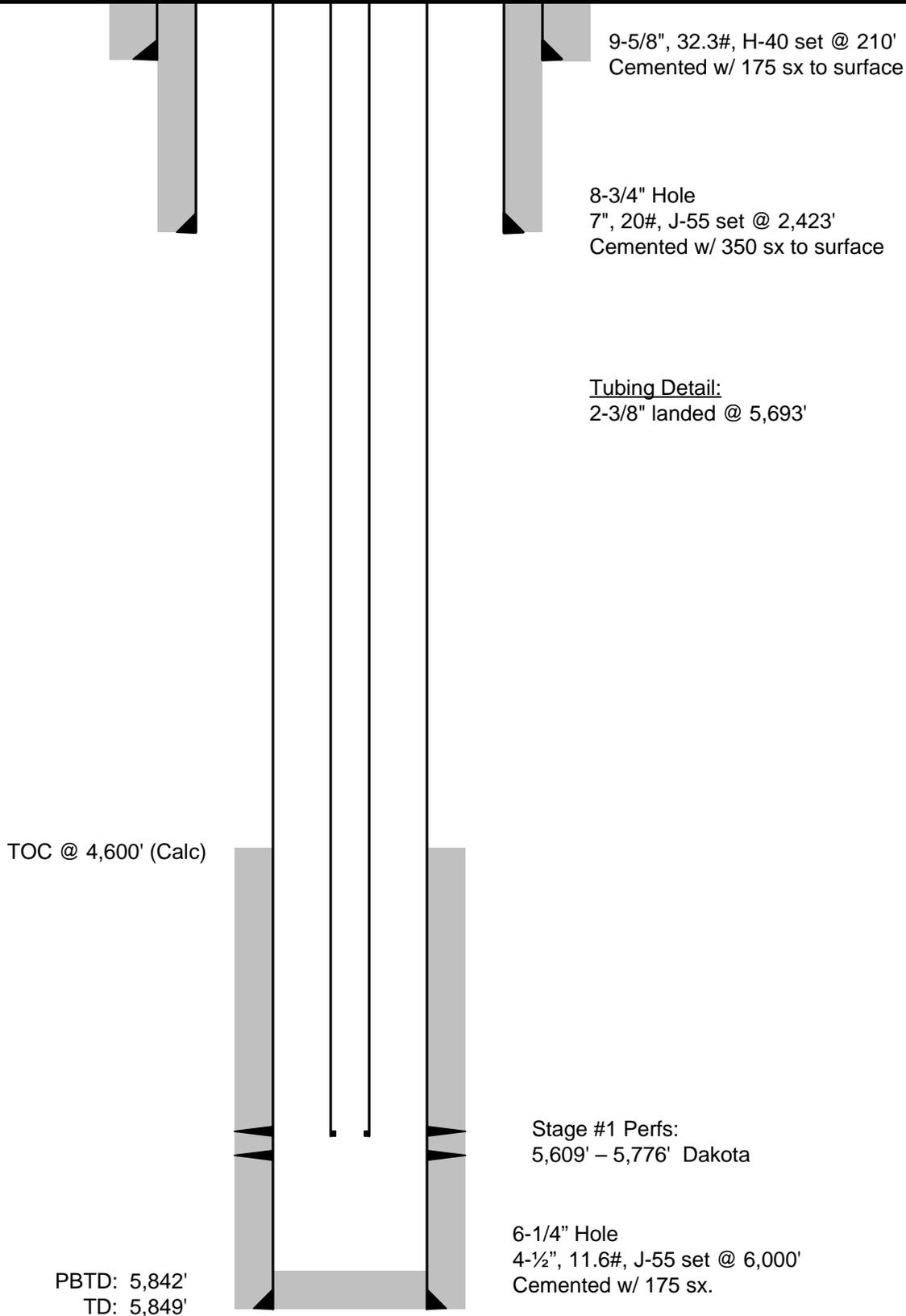
GL: 6,863'

County/St: Rio Blanco, CO

Created By: M. Bale

Date: 3/30/2012

Current Wellbore



Well Name: Federal 9-14

API #: 05103088160000

Location: Sec. 9-4S-102W

KB: 6,873' (10' AGL)

GL: 6,863'

County/St: Rio Blanco, CO

Created By: M. Bale

Date: 7/10/2012

Proposed Wellbore

