

Plug and Abandon Procedure  
Federal Schlosser WN NO. 2

Procedure:

1. MIRU completion unit. Kill well w/2% KCl water. ND tree, NU BOP. Unseat tbg. hanger and pull 2-1/16" tbg. out of hole.
2. RIH w/4-3/4" bit and csg. scraper and clean out to top of Baker 'D' packer. POH. RIH w/packer milling tools and retrieving mandrel. Mill up pkr. and POH w/same.
3. RIH w/4-3/4" bit and csg. scraper and clean out to top of Guiberson 'A' packer. POH.
4. RIH w/cmt. retainer to 6470' (50' above top of Dakota). Set retainer and squeeze 60 sx. Class B cmt. Pull out of retainer and drop remaining cement on top of retainer (1 or 2 sx.).
5. Pull up to 6095' (50'+ below the bottom Gallup perf at 6042'). Pump 70 sx Class B cmt. leaving 15 sx in the tubing to drop out when pulling out of cement plug. POH. (TOC = 5477')
6. RIH w/perf. gun and perforate the casing at 3000' (50'+ below the top of the Mesaverde at 2947').
7. RIH w/cmt. retainer and set same at 2895' (50'+ above the Mesaverde top at 2947'). Squeeze 40 sx Class B cmt. below retainer. (TOC in annulus at 2880' plus 50% excess.) Pull out of retainer and drop remaining cement on top of retainer.
8. Pull up to 2060' (50'+ below the top of the Pictured Cliffs at 2008'). Pump 15 sx Class B cmt. leaving 3 sx in tubing to drop out when pulling out of cement plug. (TOC at ± 1954'.)
9. Pull up to 1865' (50'+ below top of Fruitland at 1810'). Pump 15 sx Class B cmt. leaving 3 sx in tubing to drop out when pulling out of cement plug. (TOC at ± 1759'.) POH.
10. RIH w/chemical cutter and cutoff csg. at ± 965' (60' below top of Ojo Alamo at 905'). POH. Pull csg. out of hole.
11. RIH open-ended to 1015' (50' inside csg. stub). Pump 50 sx Class B cmt. leaving 5 sx in the tubing to drop out when pulling out of cmt. plug. Pull up to 275' (50' below surface csg. shoe). Pump 35 sx Class B cmt. leaving 4 sx in the tubing to drop out when pulling out of the cement plug. Pull up to 50'. Circulate Class B cmt. to surface. POH.
12. Place necessary markers and RD and MO.