

Parrett 1 (05-123-05734)/Re-Enter to Re-Plug Procedure (Intent)

<u>Original Plug Date:</u>	5/7/1957
<u>Producing Formation:</u>	NA/Dry Hole
<u>Upper Pierre Aquifer:</u>	2500'
<u>Base of Fox Hills:</u>	554
<u>Depest Water Well:</u>	215'
<u>TD:</u>	6982'
<u>Surface Casing:</u>	8 5/8" 24# @ 201' w/ 130 sxs
<u>Production Casing:</u>	4 1/2" 11.6# & 9.5# @ 905'-6980' w/ 75 sxs (TOC @ 6570)
<u>Open Hole:</u>	7 7/8" @ 201'-905'
<u>Existing Plugs:</u>	CIBP @ 6840', 201' – 156' (15 sxs), 15' to surface (5 sxs)

Proposed Procedure:

1. Dig out to find wellhead and check pressure.
2. Cut cap off, extend surface pipe to achieve ground level.
3. MIRU WO unit, NU wellhead, NU BOP, tally all pipe to be ran in well.
4. Mill cement from previous Plug. Cement btm of surface shoe plug is at 201' according to well abandonment report.
5. Wash run in 7-7/8" open hole down to 4 1/2" casing stub @ 905'
6. Circulate and condition hole
7. MU casing tools and run 4-1/2" casing with full open overshot with grapple and packoff to 905'
8. Stab onto casing stub with overshot and work over casing. Engage overshot and land casing
9. RIH to btm of well @ 6840', tag top of CIBP.
10. RU cementing company. Mix and pump 30 sxs 15.8#/gal CI G cement down tubing (JSand @ 6846')
11. RU wireline company.
12. TIH w/ wireline and shoot squeeze holes @ 6,044'. TOOH w/ perf guns.
13. TIH w/ CICR and set @ 5,994' MD. Mix and pump 60 sks of Class G, 15.8 ppg, 1.15 yield cement into CICR. Pull out of CICR and leave 20 sks of Class G, 15.8 ppg, 1.15 yield cement on top of CICR. (Top of Niobrara @ 5994')
14. RU WL and TIH w/ perforating guns and shoot @ 2,550'. TOOH w/ perf guns.
15. TIH w/ tbg and CICR set at 2,500'. Mix and pump 60 sks of Class G, 15.8 ppg, 1.15 yield cement into CICR. Pull out of CICR and leave 20 sks of Class G, 15.8 ppg, 1.15 yield cement on top of CICR. (Base of Upper Pierre @ 2500')
16. POOH to 905', circulate and condition hole
17. ND WH, unland casing and back off grapple and TOOH w/ 905' 4-1/2" 11.6# casing, NU WH
18. TIH with Tubing to 955', Mix and Pump 25 sks of Class G, 15.8 ppg, 1.15 yield (955'-855')

19. TOOH to 604' Mix and pump 85 sxs 15.8#/gal CI G cement down tubing. (Fox Hills Coverage 604'-404')
20. PU tubing to 251'. RU cementing company. Mix and pump 110 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. LD tubing.
21. RDMO WO unit.
22. Remove extension of surface pipe. Top off if necessary.
23. Weld on cap with ID plate, inscribed with well location, and identity.
24. Backfill, clean location.
25. Re-Enter to Re-Plug complete.