

Forehand Federal No. 1
Carlsbad South Field
Recompletion/P&A Procedure

- 1) MIRU Pulling unit. Set rig pump and tanks. Fill tank with 300 BBL lease saltwater. Rig up kill line from pump to tubing. Rig up line from casing to tank.
- 2) Pump 36 BBL lease saltwater down tubing. Open casing valve and load casing (295 BBL if void). Check to see if fluid level is static.
- 3) ND tree an NU BOP's. Test to 300 and 3000 psi. Latch on to 2 3/8" tubing. Check weight.
- 4) Attempt to pull tubing seal assembly out of permanent model "DB" packer at 11800' and POOH with tubing and BHA. If unable to POOH, cut tubing with wireline chemical cutter.
- 5) RU wireline unit. Run a gauge ring & junk basket to 11700' and POOH with same. RBIH with EZSV and set same at 11700'+. RBIH with 3 1/8" Casing Gun and perforate 11216' to 11228' 4 SPF. POOH with casing gun and RD wireline unit. Notify BLM Inspector of 11858' Morrow sand plugging schedule.
- 6) RBIH with stinger for EZSV, and 2 3/8" tubing to 11700'+. RU cementers. Sting into EZSV and pump 100' Class "H" cement below EZSV. Sting out of EZSV and spot 20' of cement on top of EZSV. RD cementers
- 7) POOH with tubing and stinger. RBIH with 2 3/8" tubing and set Model "R" packer at 11180'+. ND BOP's and NU Tree. Test casing annulus to 500 psi for 15 minutes (watch for bleed back in tubing). If casing annulus holds continue to step 8.
- 8) RU swab. Swab well down to S-1 nipple if necessary and check for feed in. If well does not produce in commercial quantities notify BLM Inspector of plugging schedule and proceed to step 9.
- 9) Fill tubing with kill fluid. ND tree and NU BOP's. Unseat Model "R" packer and POOH with tubing and BHA. RBIH with tubing to 11700'. Circulate hole with 9.5 ppg mud (no exceptions allowed for weighted up or gelled saltwater instead of mud).
- 10) RU cementers. Spot balanced plug from 11280' to 11180 inside 4 1/2" liner. POOH to 8980'. Spot balanced plug from 8980' to 8880' inside 7 5/8" intermediate casing.

*Need a plug to cover the atoka & straw
& one to cover the Penn.*