

IHU #25 Wolfcamp Recompletion

Procedure:

1. MIRU spooling equipment. Pull CT string from well. RD spooling equipment.
2. MIRU slickline unit. RIH & set blanking plug in 2.205" XN-NoGo @ 9931'. Blow down tubing to verify plug is holding. RDMO slickline unit.
3. Rig Supervisor & pulling unit operator inspect the well & location prior to rigging up. Make sure all associated personnel have proper PPE for the proposed job.
4. If necessary, install and test safety anchors to 22,500 lbs.
5. MIRU Pulling Unit. Make sure Geronimo line is staked securely, H2S monitor is in place, guardrails are in place & the unit is properly grounded to the wellhead.
6. Install 7-1/16", 1500 Series hydraulic BOPs w/ 2-7/8" pipe rams & blind rams (equipped w/ valved outlets below blinds) & Torus annular. Test pipe rams & blind rams to 1000 psig.
7. MIRU PU. ND wellhead. NU 5M, 7-1/16" hydraulic BOP w/ 2-7/8" pipe rams on top and blind rams on bottom. Install 2 – 2-1/16", 5M gate valves below blind rams. Close & test pipe rams to 2000 psi.
8. Release on/off tool @ 9894'. POOH w/ 2-7/8" tubing laying down ~2000' of pipe. Visually inspect tubing for corrosion or scale. If necessary, tubing will be pickled w/ 750 gals of 15% HCl acid.
9. PU & RIH w/ 9-5/8" RBP to ~7800'. Pressure test RBP to 1000 psi. Dump ~10' of sand on RBP. If necessary, pickle tubing at this time. POOH w/ tubing.
10. RU Baker Atlas. RU frac valve, equalizing line, and 3K lubricator w/ pack-off. Pressure test the lubricator to 1000 psi against the frac valve. The well may be perforated under pressure with kill fluids used as necessary while picking up new guns. On the first run, gamma-gun correlated to Schlumberger open log dated 12/10/2000. Perforate the following intervals using 4-1/2" TAG guns firing 39 gram Predator charges at 5 JSPF:

| <u>INTERVAL</u> | <u>FEET</u> | <u>Gun Number</u> |
|-----------------|-------------|-------------------|
| 7523' - 7527' | 4' | 1 |
| 7596' - 7616' | 20' | 2 |
| TOTALS: | 24' | 2 Guns |
11. RD Baker Hughes Atlas and frac valve.
12. PU & RIH w/ a wireline entry guide, a 2-7/8" landing nipple (2.313" 'R' w/ a 2.205" No-Go), a 10' 2-7/8" tubing sub and a 9-5/8" RTTS packer on 2-7/8" L-80 tubing. Set packer at 7460'. Pressure test annulus to 1000 psi.
13. ND BOP. NU wellhead.
14. RU Halliburton. Pressure test surface lines to 4000 psi. Pump 3000 gals (drop to 2500 gals if tubing was pickled) of 15% Carbonate Completion Acid at 5-6 BPM dropping 110, 1.1 S.G. biodegradable perf balls evenly throughout the job. **MAXIMUM SURFACE PRESSURE NOT TO EXCEED 3000 PSI.** Over displace acid w/ 5 bbls. Shut in well for 15 minutes to allow acid to spend. Surge balls off of perfs. RD Halliburton.