

Anticipated Rated Pressure = 6,000 psi.
Maximum Pressure = 9,000 psi. (if \pm 3,000 psi. on annulus)

11. Remove wellhead isolation tool. ASAP begin flowing back to pit. Once cleaned up, flow through separator and test. Evaluate if these perfs are to be commingled with the second set of perfs to be opened.
12. If perfs 10,420-58' are NOT to be commingled, continue with the next step. If perfs 10,420-58' will be commingled go to step #21.

Abandon Perfs 10,420-58' and Not Commingle

13. If necessary kill tubing with filtered 2% KCL water including surfactant and clay stabilizer. ND wellhead. NU BOP. Release and POH with seal assembly.
14. RU electric line truck. RIH and set CIBP at \pm 10,350'. RD electric line. RIH with tubing open ended to \pm 10,332'. Circulate hole with treated/filtered 2% KCL water. Close in BOP pipe rams and pressure test CIBP to \pm 1,000 psi. POH.
15. Make up the tubing conveyed casing guns and a retrievable production packer (\pm 6,000 psi. rating) with a mechanical tubing release and on/off tool as shown on attached diagram.
16. RIH with perf assembly on 2 3/8" 4.7# J-55 EUE 8rd AB Modified while hydrostatic testing to 6,000 psi (80% of burst rating). Load tubing with minimum filtered water with additives (\pm 100') for slowing detonating bar so to have maximum under balance of \pm 4,000 psi. When packer on setting depth (\pm 10,159) by tubing measurement, RU electric line truck. Run thru-tubing GR-CCL to correlate position of radioactive marker with respect to GR on open hole log (Schlumberger CNL-Density Log ran 12-9-80). POH with log tools.
17. Space out tubing to place guns on depth (subs placed below top joint). Set packer with \pm 12,000# compression. Pressure test packer to \pm 1,000 psi. Vent assembly opens with packer setting. ND BOP. Pressure test tree valves with tubing tester. Install WH (see attached diagram). Pressure WH test to 5,000 psi. with tubing tester.
18. Connect and stake flow line to pit. Drop detonating bar down tubing and perf Morrow at 10,203-10' and 10,316-32' with 3 3/8" OD hollow steel carrier guns with 32 gram charges at 4 JSPF and 90° phasing (total = 94 holes).
19. Flow to pit until cleaned up. shut-in. Connect to separator. Open and flow at a stable rate for \pm 2 days. RU slickline and RIH with tandem BHP tools. Obtain \pm 2 hours of flowing BHP. Shut-in for \pm 72 hours.
20. POH with BHP tools. Open and sell gas (no new potential test needed since in same zone and no allowables). Evaluate BHP data for need of stimulation.

Perfs 10,420-58' will be commingled

21. RU slickline unit. RIH WP blanking plug for the bottom 1.81" R profile below the packer and set plug. RD slickline. Load tubing with filtered 2% KCL water with additives. Pressure test plug to \pm 1,000 psi. ND wellhead NU BOP. Release and POH with seal assembly.