

- 5) RIH w/2-7/8" tbg open ended to CIBP and spot 100' of cement of CIBP.
 - 6) Pull up to 13,276'. Spot 1000 gal of 15% HCL NeFe LST double inhibited for 7 days (185 deg BHT).
 - 7) Pull up to 12,980' and reverse out excess acid. POOH.
 - 8) RU Schlumberger wireline unit. RU 5-1/2" lubricator w/3000 psi packoff on top of BOP. Perforate Upper Wolfcamp zone 2 **SPF, 180 deg phasing, premium charges, w/4" csg guns** at the following depths:
13,017, 024, 030, 043, 054-056, 060-070, 094-100, 117, 143, 147, 158, 172, 192-200, 212, 219-222, 241-243, 274-276, 282-284, 292'.
(108 Total Shots. All depths based on Schlumberger CNL/LDT/GR log dated 8/1/83)
 - 9) If well has pressure after perforating, nipple up spools on top of BOP sufficient to cover packer. Install lubricator on top of spools and lubricate packer in hole w/pump-out plug in place. PSA 12,950'. POOH w/setting tool and RD wireline unit. Bleed pressure off well.
 - 10) Pickup anchor seal assembly w/on-off tool and test tbg in hole to 8,000 psi above the slips.
 - 11) Reverse circulate 2% KCL packer fluid in hole.
 - 12) Space out, nipple down BOP, nipple up tree, land tbg in 20,000 # compression.
 - 13) Load tbg. Pump out plug. Displace perf acid into perfs.
 - 14) Swab and flow test well to evaluate for further stimulation.
 - 15) RU BJ Services. NU BOP. Hold safety meeting. Acid fracture stimulate Upper Wolfcamp interval down 2-7/8" tbg w/12,500 gals 15% XL II HCL acid in three equal stages per attached BJ fluid specifications. Divert treatment w/50 1.1 s.g. ball sealers per stage (100 total ball sealers) after each of the first 2 stages. Flush to bottom perf w/slick 2% KCL water.
- ** NOTE:** If treatment balls out during job, surge balls off perfs and continue job.
- 16) Shut-in well for 3 hours. Flow back well to pit and test. Report flowrates, produced fluid volumes, and pressures.
 - 17) Return well to production down sales line. Make vast quantities of gas.