

4-1/2" Liner Procedure

1. MIRU workover rig
2. Perforate squeeze holes in casing at 1550'
3. Run 4100' of 4-1/2" 10.5# casing with slim collars
4. RU cementers, cement to surface with 100 sx cement. If cement does not circulate to surface cement down 4.5" x 5.5" annulus
5. Log CBL
6. Perforate and test Shawnee
7. Run 2-3/8" completion, return well to production