

Under direction from the New Mexico Oil Conservation Division, Cities Service is required to reenter this well to properly plug and abandon the hole according to NMOCD requirements. Due to the existence of a high pressure waterflow in this area, it is recommended and proposed to set 8-5/8" casing at the 8-5/8" casing stub at 246' and circulate cement. The well will then be reentered and can be controlled with the necessary well control equipment. The well will then be plugged and abandoned to satisfy NMOCD requirements. Since the NMOCD requires anyone who is injecting water within one-half mile of this well to replug the wellbore, the responsibility rests with the Southeast Maljamar Grayburg-San Andres Unit and the MCA Unit.

We propose to plug & abandon this well as follows:

1. Dig out around location and locate old hole.
 2. MIRU pulling unit, reverse unit and 2-7/8" EUE tubing work string.
 3. Run 11" or 12-1/4" drilling assembly and clean out to top of 8-5/8" casing stub at 246'. CHC & POOH.
 4. Run 246' of 8-5/8" 32# K-55 Grade B casing with shoe and float collar. Set at top of 8-5/8" casing stub and circulate cement to surface. Install wellhead and BOP.
 5. WOC
 6. GIH w/7-7/8" RB on drilling assembly and drill out cement in 8-5/8" casing. Run bit to 1175' and tag cement plug. Test 8-5/8" casing and cement squeeze shoe at 246' if necessary. WOC.
 7. Drill out squeeze and test. Resqueeze if needed.
 8. Drill out 10 sx plug at 1175' and clean out to 2330' top of 7" csg stub. CHC & POOH.
 9. GIH w/6-1/8" drilling assembly and clean out inside 7" casing to 100' below 7" casing shoe at 3937'. CHC & POOH.
- Note: If unable to get inside 7" csg stub, may be able to negotiate with OCD to replug from that depth.
10. GIH w/open ended tubing to 4037' and set 200' plug 100' in and 100' out of 7" casing shoe. WOC and tag plug.
 11. Displace hole with mud laden fluid.
 12. Set 200' plug 100' in and 100' out of 7" casing stub at 2330'. WOC & tag plug.
 13. Set 200' plug 100' in and 100' out of 8-5/8" casing shoe at 1175'. WOC and tag plug.
 14. Set 200' plug 100' below and 100' above 8-5/8" stub at 246'. WOC and tag plug.
 15. Set 10 sx plug at surface with dry hole marker and clear location.
 16. RD & MO.