

DRILLING PROCEDURE

1. MIRU drilling rig. Notify NMOCC of intent to spud.
2. PU 17 1/2" bit and drill surface hole to +/-370'. Be sure to drill completely through the Ogallala aquifer. Sweep hole at TD, SLM00H to run surface casing. Drill hole to fit pipe.
3. Run 13 3/8" surface casing and cement as per casing and cementing program.
4. Cut off 13 3/8" casing. Weld on 13 3/8" x 13 5/8" 3M starting head. NU 13 5/8" 3M SRRA BOPE with pipe rams on bottom.
5. WOC minimum of 18 hours (time from bumping plug to testing casing). Test BOPE to 900 psi with rig pumps.
6. PU 11" bit and TIH to top of cement. Test casing to 900 psi for 30 minutes as per NMOCC rules. Casing is satisfactory if pressure does not decrease more than 10%.
7. Drill out float equipment and drill 11" hole to +/-3780' or 50' into San Andres as per attached mud program. Circulate hole clean and SLM00H.
8. RU casing crew and run 8 5/8" intermediate casing. Centralize and cement as per attached cementing program.
9. Cut off 8 5/8" casing and set slips with 20% casing weight on bottom. NU 13 5/8" 3M x 11" 3M casing spool. Test casing spool to 80% of casing collapse (1100 psi). NU BOPE as in Step #4 and test BOPE as in Step #5.
10. WOC 18 hours (time from bumping plug to testing casing). PU 7 7/8" bit and TIH to top of float equipment. Test 8 5/8" casing to 900 psi for 30 minutes. Casing is satisfactory if pressure does not decline more than 10%.
11. Drill out FE and drill 7 7/8" hole to 10,500' as per mud program.
12. Log as per SWD geologist.
13. If well is productive, run and cement 5 1/2" production casing.
14. Have geologist pick log formation tops. If well is to be P&A'd, contact NMOCC for procedure.
15. MORT.

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