

STATE HL 11-2
CONVERSION TO DELAWARE SWD WELL
TURKEY TRACK FIELD, EDDY CO., NM

1. MIRU workover rig. Kill well with 10# brine. NU BOP. Unseat packer and POOH with 348 joints 2 7/8" N80 8RD tubing, on-off tool, and 5 1/2" Guiberson Uni-6 packer.
2. RU loggers. Make gauge ring and junk basket run inside 5 1/2" 17# casing. RIH with 5 1/2" 17# CIBP on wireline and set at 11,100'. Dump 35' of cement on top of CIBP per NMOCC. POOH with wireline. Pressure casing to 800 psi to test cement and CIBP. (NOTE: Bottom hole temperature is approx. 170°F for designing cement for dump bailer.)
3. Tally and RIH with open-ended tubing to 11,000'. Circulate 5 1/2" casing with 260 bbls 10.0# brine with minimum of 2.5# salt gel per barrel for 35 second viscosity.
4. Pull tubing to 9000' and spot 25 sxs Class "H" Neat cement for 225' plug. Pull tubing to 7000' and spot 25 sxs Class "H" plug. Pull tubing to 5000' and spot 35 sxs Class "H" + 1% CaCl₂ for 300' plug. Pull tubing to 4550' and reverse tubing clean with 10# brine. POOH with tubing.
5. RIH with 4" select fire casing gun with 4 - 0.5" diameter JSPF, 90° phasing and perforate 5 1/2" casing with 4 shots at 4500'.
6. RIH with 5 1/2" packer. Set packer at 4450'. Establish injection through perfs at 4500'. POOH with packer.
7. RIH with 5 1/2" retainer and 2 7/8" tubing. Set retainer at 4450'. Establish injection. Preceed cement with 20 barrels fresh water. Pump 400 sxs Class "C" + 0.5% FLA and tail with 50 sxs Class "C" + 2% CaCl₂. Displace cement to retainer with fresh water. Unsting from retainer and leave 1/2 barrel cement on top of retainer. POOH with tubing to 4400'. Reverse clean. POOH with tubing. Wait on cement over night.