

PROCEDURE

Location: 2310' FSL & 990' FEL, Sec. 34, T-17-S, R-28-E, Eddy Co., NM

NOTIFY NMOCC (Artesia, NM (505) 748-1283) at least 24 hours prior to starting plugging operations.

1. MIRU PU. Kill tbg w/10# BW. ND tree, NU BOP. Rlse Mod "R" pkr (straight pick-up). POH.
2. RU WL. Set CIBP @ 6150'.
3. RIH w/2-3/8" tbg OE & tag CIBP @ 6150'. Spot 350' cmt plug f/6150-5800' using 45 sx Cl "H" mixed @ 16.4 ppg (cover top of Abo Reef @ 5903'). PU to 5800'. Spot 10 ppg mud w/25 ppb SWG f/5800-2250' (approx 85 bbl). POH.
4. Set test tank. RU flowline f/csg-csg (8-5/8" x 5-1/2") ann to tank.
5. RU WL. Run noise log f/3000-surf w/8-5/8" x 5-1/2" ann flwg to pit. Let ann bleed off. Evaluate f/subsequent plugging. Set plugs as required below and as necessary to shut off annular wtr flow. Discuss actual plugging materials and quantities w/Midland office & NMOCC.

Required plugs - across top of San Andres @ 2251' - perf 5-1/2" csg @ 2300' & squeeze w/50 sx Cl "H" mixed @ 16.4 ppg below CIGR @ 2200'.

- across top of Queen @ 1435' - spot 150' balanced cmt plug f/1500-1350' w/20 sx Cl "H" mixed @ 16.4 ppg.

- Est IR into old squeeze perfs @ 1300' & 1210' if possible & squeeze w/70 sx Cl "H" mixed @ 16.4 ppg below CIGR @ 1150'. If unable to PI, spot 230' balanced cmt plug f/1350-1120' w/30 sx Cl "H" mixed @ 16.4 ppg.

- across top of Seven Rivers @ 825' and surf csg shoe @ 752' - spot 230' balanced cmt plug f/900-670' w/30 sx Cl "H" mixed @ 16.4 ppg.

- @ surf - spot 200' cmt plug f/200-surf using 25 sx Cl "H" mixed @ 16.4 ppg.

Run noise logs/temp svys as needed to evaluate wtr shut-off. Perf & squeeze using CIGR's as necessary to achieve same.