

**OLDLAND 5X 05-103-08536**

Plug and Abandon

- 01) MIRU workover rig and aux equipment - ND WH & NU 7 1/16" 5K Class II modified BOPs & Test.
  - 02) POOH & LD equipment (7" LocSet Packer & Bare tbg).
  - 03) PU & RIH w/ BHA & Work String, Cleanout to top perfs at 5900', POOH.
  - 04) RU PLS & RIH w/ CICR and set above the shoe or perforations . @ 5878'.  
TOC at ~1400', good bond at 1730' from CBL, 6450-1100' (09/80) & no caliper log.
  - 05) RIH w/ WS & Sting into the CICR & Establish injection rate.
    - either Pump cement, minimum to plug the Weber, 16 bbls or 78 sxs
    - or Pump cement, maximum to plug to PBTD, 29 bbls or 140 sxs
  - 06) Pull out of retainer, dump cement on CICR & reverse clean. POOH. 5 bbls or 24 sxs
  - 07) RIH tag cement, circulate PKR fluid ( 55 gal CRW132/ 100 bbl water) & POOH to 2000'.
  - 08) Spot Balanced plug below TOC & reverse clean, POOH. 10 bbls or 48 sxs
  - 09) RIH Tag cement, circulate PKR fluid & POOH
  - 10) RU PLS & RIH to perforate below shoe. @ 785'.
  - 11) Open Casing annulus to surface and establish injection rate, Pump cement: 13 bbls or 62 sxs
  - 12) RIH tag cement, circulate PKR Fluid, POOH,
  - 13) ND BOPs and NU Tubing top flange. Spot balanced Plug at surface. 10 bbls or 48 sxs
  - 14) RD & MO
  - 15) Roustabouts remove cellar, clean up location, flush and remove flowlines and re-seed as needed.
  - 16) Welder install P&A marker.
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