

Call foreman and/or field coordinator before rig up to remove any production equipment (remove plunger, wellhead automation, etc).

Provide 48 hour MIRU notice to John Montoya of COGCC at 970-302-4124.

Put workorder into CDC to remove flowline after P/A.

Prepare location for base beam type rig.

Place Baker cementing services on 48 hour call for P&A operations.

2 3/8" 4.7# Tbg = 0.41 BBL/100' ID=1.995" Collapse=8100 psi; Burst=7700 psi; Yield (80%)=57,400 lb
Annulus = 1.01 BBL/100'

4 1/2" 11.6# Csg = 1.55 BBL/100' ID=4.000" Drift=3.875" Collapse=4960 psi; Burst=5350 psi

- 1 MIRU WO rig. MI ~20 jts 2 3/8" 4.7# J-55 tbg to tag up with, and ~5 jts 2 3/8" 4.7# N-80 workstring for spearing 4-1/2" csg. Kill well, as necessary, with 2% KCL water with biocide. ND wellhead. NU BOP's.
- 2 Unseat landing joint and lay down. Reciprocate tbg to break any possible sand bridges. Do not exceed safety tensile load of 57K lbs.
- 3 RIH with tbg and tag fill. Pick up ~10' and leave in place for gyro survey.
- 4 MIRU Vaughn Energy Services (VES) to run a gyro survey. Run survey to ~7690' (PBSD = 7702'). RDMO VES. (Charge VES gyro survey to separate AFE# 2062513.PDE)
- 5 MIRU cementers. Pump balanced cement plug with 30 sxs Glass G cement from EOT to ~7400'. POOH with tbg to 7100'. Reverse circulate 45 BBLs water. RDMO cementers. WOC over night.
- 6 RIH with tbg and tag top of cement (record depth for COGCC form 6).
- 7 TOOH and lay down 2 3/8" tbg.
- 8 RIH to casing hanger with 4-1/2" 11.6# K-55 spear and pull up on production casing to un-land casing from hanger and perform a casing free point to determine depth of free casing (estimated to be 6650-6800'). NOTE: if casing free point cannot be determined, a CBL may be required. No record of CBL on well. Estimated TOC (6800') is from calculated cement volume pumped.
- 9 Jet cut 4-1/2" production casing ~50' above top of free point.
- 10 TOOH and laying down 4-1/2" production casing. Note: If unable to pull production casing contact engineer/COGCC for plugging modifications.
- 11 PU 2-3/8" tbg and TIH open-ended to land end of workstring at 6800', or 100' below 4-1/2" jet cut.
- 12 MIRU cementers. Pump a balanced plug with 180 SX of Class G cement from EOT to ~6300'. POOH 300' with tbg. Reverse circulate 45 BBLs water. RD cementers. WOC over night.
- 13 RIH with tbg and tag top of cement (record depth for COGCC form 6).
- 14 POOH with tbg to 4500', establish circulation.
- 15 Pump a balanced plug with 180 SX of Class G + 1% CaCl₂ and 1/4 lb celloflake from EOT to ~4000'. POOH 300' with tbg. Reverse circulate 45 BBLs water. RD cementers. WOC over night.
- 16 RIH with tbg and tag top of cement (record depth for COGCC form 6).
- 17 POOH with tbg to 1000', establish circulation.
- 18 Pump a balanced plug with 350 SX of Class G + 1% CaCl₂ from 1000' to surface. Note: Pump in (2) 500' plugs if desired. RDMO cementers. WOC over night. Note: If cement top is not at surface, fill surface casing with 4,500 psi compressive strength redi-mix cement.
- 19 ND BOP.
- 20 Notify production foreman and construction group to begin operations to cut surface casing 5' below surface, and weld plate on top of casing stub. Provide foreman with workorder number from CDC for flowline abandonment.
- 21 Submit COGCC Form 6, providing "as plugged" wellbore diagram.