

BEEBE DRAW CATTLE CO 32-15 #1

- 1 Prepare location for base beam type rig.
- 2 Call foreman and/or field coordinator before rig up to remove any production equipment (remove plunger, wellhead automation, etc).
- 3 MIRU WO rig with 165 joints of 2-3/8" 4.7# N-80 EUE workstring for plugging operations. Kill well using water with biocide. ND wellhead. NU BOP. Have Baker cementing services put on will call for P&A operations.
- 4 Unseat tubing landing joint and lay down. TOO and lay down all 2-3/8" tubing (unsure of exact amount of tubing in hole due to poor well history).
- 5 MIRU wireline. RIH to set CIBP at 4,935' KB. Dump bail 4 SX of cement on top of the CIBP. Allow cement to set a minimum of 4 hours.
- 6 Tag top of cement using either sandline, slickline, or TIH with 2-3/8" tubing open ended and record tagged cement depth in OpenWells.
- 7 Use a spear dressed for 5-1/2" 15.5# K-55 production casing to un-land 5-1/2" production casing from the casing hanger. Check 5-1/2" production casing stretch and use measured stretch distance to estimate TOC for 5-1/2" production casing. (estimated top of production casing cement from CBL is +/- 4,658' KB).
- 8 Jet cut 5-1/2" production casing 100' above top of production casing cement (use casing stretch distance to verify depth of jet cut). TOO and lay down one joint of 5-1/2" production casing. If unable to pull production casing contact engineer/COGCC for plugging modifications.
- 9 Circulate the well with a minimum of 410 bbls to roll any gas from the hole. Continue TOO and laying down all remaining 5-1/2" production casing.
- 10 PU 2-3/8" workstring and TIH open-ended to land end of workstring 100' below 5-1/2" production casing stub.
- 11 MIRU Baker. Spot 75 SX of Class G cement with 2% CaCl from 100' below the 5-1/2" production casing stub to approx. 133' above the 5-1/2" production casing stub. Displace with water to TOC estimated to be 133' above the 5-1/2" production casing stub.
- 12 POOH 500' (approx. 16 joints of workstring) and hang 2-3/8" workstring. Circulate with at least 400 bbls of water or until returns are clean. (400 bbls based on EOT at 4,158' KB). TOO and stand back all 2-3/8" workstring.
- 13 Allow cement to set a minimum of 4 hours.
- 14 PU and TIH w/ 2-3/8" workstring open ended. Tag top of cement and record depth in OpenWells. (cement must be a minimum of 50' above 5-1/2" production casing stub depth). If inadequate cement coverage, contact engineering for plugging modifications.
- 15 PUH so end of workstring is just above tagged cement plug depth. Use rig pump to pump 375 bbls of drilling mud down workstring (375 bbls based on tagged TOC at 4,425' KB).
- 16 POOH and hang workstring at 570' KB.
- 17 MIRU Baker. Spot 230 SX Class G cement w/2% CaCl @ 570' KB (Estimated top of cement plug at 13' KB).
- 18 RDMO Baker. TOO and LD 2-3/8" workstring. Allow cement to set a minimum of 4 hours.
- 19 PU and TIH with 2-3/8" workstring open ended. Tag top of cement and record depth in OpenWells. TOO and lay down all 2-3/8" tubing. \*\*If cement top is not at surface, fill surface casing with 4,500psi compressive strength redi-mix cement.
- 20 ND BOP.
- 21 Notify production foreman and construction group to begin operations to cut surface casing off 5' below surface, weld plate on top of casing stub, and properly abandon flowlines per COGCC Rule 1103
- 22 Submit COGCC Form 6, providing "as plugged" wellbore diagram.