

RECOMMENDED PROCEDURE
DRAG "C" WELL #1
(CRITICAL)

December 13, 1982

1. Move in and rig up double drum workover unit. Install BOP.
2. COOH with RBP and Baker Model R on 2-7/8" tubing.
3. GIH with cement retainer on 2-7/8" tubing and set at 9890'. Load hole with 9.5#/gal mud-laden fluid.
4. BJ to squeeze Cisco perfs with Class H cement with 1% CaCl_2 mixed at 15.6#/gal (1.18 ft³/sx), TT = 2:30. Squeeze 150 sacks below retainer, pull out of retainer and spot 13 sacks on top of retainer. Displace cement with 57 bbls mud-laden fluid. Pull tubing 6 joints and reverse clean. COOH.
5. Weld pull nipple on 5-1/2" casing. Run Freepoint Survey. Cut and pull 5-1/2" casing. (TOC by temperature survey 9270'.)
6. GIH with tubing to 50' below cut-off point and spot 45 sacks Class H cement with 1% CaCl_2 . Displace cement with mud-laden fluid. Pull up 7 joints and reverse tubing clean. WOC. Tag and record TOC. (TOC to be minimum of 50' above casing cut.)
7. Pull tubing to 7500'. Spot 50 sacks Class H cement with 1% CaCl_2 . Displace cement with 43 bbls mud-laden fluid. Pull tubing 7 joints and reverse clean.
8. Pull tubing to 5620' and spot 40 sxs Class H cement with 2% CaCl_2 . (15.6#/gal, 1.18 ft³/sx, TT = 2:30.) Displace cement with 32 bbls mud-laden fluid. Raise tubing 7 joints and reverse clean. WOC. Tag and record TOC. (Minimum TOC to be 5520'. Maximum TOC 5470'. This plug will cover the 8-5/8" casing shoe.) Pressure test casing to 1500 psi.
9. Circulate hole with 2% KCl water and spot 12 bbls 10% acetic acid from 5474' to 5236'. COOH.
10. GIH with Guiberson Packer (modified Type "B" BP) on wireline. Set packer at 5200'. GIH with 2-7/8" OD N-80 tubing with 4' pup joint as tail pipe and 2.31 profile nipple. Pressure test to 1500 psi.
11. Remove BOP. Install Xmas tree with full opening 2 7/8" valve on top of tree. Swab fluid level down to 5000'.
12. Dresser/Atlas to run GR-CCL from PTD to 4000'. Correlate with Schlumberger GR-FDC-CNL dated 9-11-73. Telecopy section 5400'-5300' to Odessa Reservoir Engineering, attention: Jack Pickett or Bill Mueller.
13. Install 5000# lubricator and test. Perforate thru tubing with 2-1/8" ENERJET guns, magnetically decentralized, 0° phasing, top to bottom, 0.34" holes, one SPF from 5334' to 5376'. Total 42 shots
14. Swab perfs to clean up.