

Workover Procedure
Federal "BB" #1
Chalk Bluff Field
Eddy County, New Mexico

Objective: Recomplete from the Cisco to the Wolfcamp.

1. MIRU WSU. NU Class III BOP's and function test. Unset Lok-set and POOH with 2 3/8" tubing. Visually inspect and laydown as needed.
2. RU wireline and RIH with 5 1/2" CIBP and set at 7670', dump 20' of cmt on top of plug. Test CIBP to 500# (load hole with 2% KCl if necessary to test plug). RIH with 4" casing gun and correlate gun to the Gearhart compensated Density-Neutron log dated 9/10/80. Perforate at the depths listed on the attached page from 7218' - 6608' 1 spf total of 57 shots). POOH with wireline and RD.

Note: A cased hole log was unavailable, run GR-CCL if necessary to correlate perfs.

3. Hydrotest to 5000 psi while RIH with a PPI packer (w/15' spacing) on 2 3/8" tubing. If the well will not hold a fluid level use a fluid control valve in the seating nipple. Set the packer below the bottom perf and pressure test the sealing elements. Unset the packer and spot 15 bbls 15% Hcl above the packer. PUH and set packer across bottom set of perfs. Breakdown each set of perfs using 1.5 bbls acid/perforated foot (Total acid volume = 4200 gals including spot volume). Pressure up on blank spots between sets of perf to maintain depth control.

Note: Use 15% Hcl with corrosion inhibitor, NEA and iron control.

4. Set packer at 6550' and test backside to 500#. Retrieve fluid control valve (if used) and begin swabbing operations. Continue swabbing until fluid is clean enough for rod pump.
5. Unset packer and POOH. RIH with tubing and artificial lift equipment. ND BOP's. RD WSU.