

WORKOVER PROCEDURE  
FEDERAL 4 COM #1  
BURTON FLAT FIELD  
EDDY COUNTY, NEW MEXICO

BACKGROUND: THE FED 4 COM IS CURRENTLY PRODUCING 65 MCFFPD FROM THE STRAWN RESERVOIR. IT IS RECOMMENDED TO RECOMPLETE THE WELL TO THE BONE SPRINGS.

CASING: 5 1/2", 17#. COLLAPSE @ 4910#, BURST @ 5320#.  
TUBING: 3 1/2", 9.3#, J-55. COLLAPSE @ 7400#, BURST @ 6980#.  
2 3/8", 4.7#, N-80. COLLAPSE @ 11780#, BURST @ 11200#.

PROCEDURE:

1. MIRU WSU. NU CLASS III BOP'S AND FUNCTION TEST. UNSET ELDER MODEL "R" PACKER AND POOH WITH THE 2 3/8" PRODUCTION TUBING. VISUALLY INSPECT AND REPLACE AS NECESSARY.
2. RU WIRELINE AND RIH WITH CIBP & SET AT 8600'; TEST TO 500#. DUMP BAIL 20' OF CMT ON TOP OF CIBP. RIH WITH CBL AND LOCATE TOC. RUN FROM 6800' - 5600'. FAX RESULTS TO DALLAS OFFICE.

NOTE: REMAINING PROCEDURE ASSUMES NO CEMENT ACROSS THE BONE SPRINGS.

RIH WITH 3 3/8" CASING GUN W/GAMMA RAY. CORRELATE DEPTHS TO THE SCHLUMBERGER BOREHOLE COMPENSATED SONIC LOG- GAMMA RAY DATED 11/21/73. PERFORATE 6630'-31 @ 4 SPF (8 HOLES). RIH AND SET RETAINER AT 6580'. POOH AND RD WIRELINE.

3. HYDROTEST TO 5000 PSI WHILE RIH WITH 2 3/8" TUBING. STING INTO RETAINER, TEST BACKSIDE TO 500# AND ESTABLISH INJECTION. ATTEMPT TO ESTABLISH CIRCULATION TO THE SURFACE. IF CIRCULATION IS NOT ACHIEVED, SQUEEZE AS FOLLOWS:
  - A) RU SERVICE COMPANY
  - B) STING OUT OF RETAINER, STING BACK INTO RETAINER. TEST BACKSIDE TO 500#.
  - C) PUMP 10 BBLs FRESH WATER FOLLOWED BY 75 SX CLASS "C" NEAT CEMENT. DISPLACE CEMENT WITH 10 BBLs FRESH WATER FOLLOWED BY WORKOVER FLUID.
  - D) PUMP THE SLURRY AT 1-2 BPM, IF A RUNNING SQUEEZE IS NOT OBTAINED, HESITATE AS NECESSARY ONCE ALL THE CEMENT IS BELOW THE RETAINER. STING OUT OF RETAINER.
  - E) IF A SQUEEZE CANNOT BE OBTAINED, OVERDISPLACE CEMENT AND WAIT ON NEW RECOMMENDATION.
  - F) SD. WOC.