

## COMPLETION PROCEDURE

St. Q COM #1  
Happy Valley Field  
Eddy County, Texas

OBJECTIVE: RECOMPLETE TO THE STRAWN. COMMINGLE WITH MORROW.

CASING: 5", 18#, N-80. COLLAPSE @ 10490#, BURST @ 10140#.  
TUBING: 2 7/8", 6.5#, C-75 HYDRILL & N-80 NU-LOCK. COLLAPSE @ 10470#, BURST @ 9910#.

PROCEDURE:

1. OBTAIN OIL, WATER AND GAS SAMPLES FROM MORROW. HAVE THE SAMPLES ANALYZED.
2. SHUTIN THE WELL FOR 72 HOURS. RUN STATIC BOTTOM HOLE PRESSURE BOMB. RWTP.
3. MIRU WSU. NU BOP'S. STING OUT OF BAKER MODEL "FA" PERMANENT PACKER AND POOH WITH 2 7/8" TUBING AND THE MODEL "H" ANCHOR SEAL ASSEMBLY. VISUALLY INSPECT THE TUBING AND REPLACE AS NECESSARY.
4. RIH WITH W/MODEL "H" ANCHOR SEAL ASSEMBLY AND 1 JT TUBING W/ON-OFF TOOL W/1.43" PROFILE. STING INTO PACKER AND TEST BACKSIDE TO 500#. PLACE A PLUG IN THE PROFILE AND TEST TO 500#. J OFF ON-OFF TOOL AND POOH.
5. RIH WITH W/3 1/8" CASING GUN WITH GAMMA-RAY AND CORRELATE TO THE SCHLUMBERGER COMPOSITE BOREHOLE COMP SONIC LOG & COMP NEUTRON - DENSITY LOG DATED 3/28/73. PERFORATE WITH PREMIUM SHOTS AS FOLLOWS: 9923'-9930', 10054'-10068', 10112'-10122' & 10135'- 10146' AT 2SPF. POOH, RD WIRELINE.
6. INSTALL HYDRILL ANNULAR BOP AND FUNCTION TEST. HYDROTEST TO 8000# WHILE RIH WITH A 5" PPI PACKER (WITH 18' SPACING BETWEEN PACKERS) ON 2 7/8" TUBING. USE A FLUID CONTROL VALVE IN THE SEATING NIPPLE TO MAINTAIN THE ACID IN THE TUBING. SET THE PACKER BELOW THE BOTTOM PERFS AND PRESSURE TEST SEALING ELEMENTS. UNSET PACKER AND SPOT 3 BBLs ACID 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 = 3100 GALS INCLUDING SPOT VOLUME). PRESSURE UP ON BLANK SPOTS BETWEEN SETS OF PERFS TO MAINTAIN DEPTH CONTROL.

NOTE: USE 15% HCL WITH CORROSION INHIBITOR, NEA AND IRON CONTROL.