

WORKOVER PROCEDURE  
LANGLIE MATTIX #17  
LANGLIE MATTIX UNIT  
LEA COUNTY, NEW MEXICO

BACKGROUND: THE LANGLIE MATIX #17 IS AN INJECTOR WITH LOW INJECTIVITY. IT IS RECOMMENDED TO ADD PAY TO CORRESPOND TO OFFSET PRODUCERS AND ACIDIZE ALL PAY TO IMPROVE INJECTIVITY.

CASING: 3 1/2", 9.3#, C-75. COLLAPSE @ 10040#, BURST @ 9520#.  
TUBING: 1.9", 2.9#, J-55. COLLAPSE @ 7750#, BURST @ 7350#.

PROCEDURE:

1. MIRU WSU. NU CLASS III BOP'S. RIH W/2 3/4" BIT AND 3 1/2" SCRAPER AND CLEANOUT TO 3500'. CIRCULATE CLEAN & POOH WITH BIT & SCRAPER.
2. RU WIRELINE AND RIH WITH TUBING GUN W/GAMMA RAY. CORRELATE DEPTHS TO THE WESTERN ATLAS ACOUSTIC CEMENT BOND LOG - GAMMA RAY DATED 5/7/91. PERFORATE 2 SPF AT THE FOLLOWING DEPTHS:  
3250'-54; 3263'-67; 3270'-76 & 3290'-3330'.  
NOTE: NO CASED HOLE LOG WAS FOUND IN THE DALLAS OFFICE, IF A CASED HOLE LOG EXISTS IN THE FIELD FILES DO NOT RUN A GAMMA RAY WITH THE PERF GUN. POOH & RD WIRELINE.
3. HYDROTEST TO 5000 PSI WHILE RIH WITH 3 1/2" PACKER AND RTBP ON THE WORKSTRING. SET THE PACKER AT 3200' AND TEST THE BACKSIDE TO 500 PSI. UNSET THE PACKER AND LOWER TO 3500'. SET THE RTBP.
4. RU AND ACIDIZE AS FOLLOWS:  
  
ACID: 6400 GALS 15% ANTI-SLUDGE ACID W/INHIBITOR, IRON CONTROL & NEA.  
  
A. SPOT 1 BBL ACID. PU PKR AND SET AT 3350'. PUMP 3300 GALS ACID AT A MAXIMUM RATE WITHOUT EXCEEDING 2500# SURFACE TREATING PRESSURE.  
B. UNSET PKR AND LOWER TO LATCH ON TO RTBP. SET RTBP AT 3350'. SET PACKER AND TEST RTBP TO 500#. UNSET PKR AND SPOT 1 BBL ACID. PU PKR AND SET AT 3200'. TEST BACKSIDE TO 500#. PUMP 3000 GALS ACID AT A MAXIMUM RATE WITHOUT EXCEEDING 2500# SURFACE TREATING PRESSURE.  
C. IF THE LOWER SET OF PERFS COMMUNICATE WITH UPPER SET CONTACT DALLAS OFFICE FOR REVISED PROCEDURE. RECORD ISIP & 5 MIN SI PRESSURES.
5. UNSET THE PACKER, LATCH ONTO RTBP AND POOH. RWTI. ND BOP'S. RD WSU. RUN INJECTION PROFILE.