BRITT NO. 12
330' FNL & 2281' FWL
Section 7, T-20-S, R-37-E
Lea County, New Mexico

RECOMPLETION IN EUMONT GAS POOL

1. MIRUSU.

2. Attempt to load backside with 2% KCl. Test backside to 500 psi to check casing and tubing integrity. If backside tests, proceed to Step 8.

3. Remove wellhead and install BOP.

4. Release Model R packer set at 3155' and come out of hole with tubing and packer.

5. Run tubing and packer back in hole, testing tubing to 4500 psi. Reset Model R packer at 3155'. Load backside with 2% KCl and test to 500 psi.

6. Remove BOP and NU wellhead.

7. Swab Queen perfs at 3287' to 3206' to assess fluid entry. Do not proceed to Step 8 until orders are received from Midland office.

8. Remove wellhead and install BOP.

9. Release Model R packer and POH with packer and tubing.

10. Rig up electric line truck.

    A. Log with TDT tool from 3300' to 2300' to evaluate Eumont Yates Seven Rivers Queen Gas Pool. The following steps may be revised based on log analysis.

    B. Set a CIBP for 5-1/2", 15.5#/ft casing at 3190'. Load hole and test to 500 psi using 2% KCl.

    C. Perforate the zone selected for testing using a 4" hollow steel carrier type gun, 2 jspf, 180° phasing, premium charge (two strings of casing).

    D. Rig down electric line truck.

11. TIH with UTP owned Model R packer on 2-3/8" J-55 tubing. Test tubing in hole to 4500 psi if not previously tested. TIH to bottom perforation. Spot acid across perforated interval. Pull packer to 50' above top perforation. Assuming hole stays loaded, circulate packer fluid. Set packer, remove BOP and install wellhead. **(NOTE:** Full opening master valve required.)

12. Acidize perforations with 3000 gal of 15% NEFE HCl *acid, dropping 143 ball sealers (7/8", 1.1 SG) as follows. The volumes of acid and flush and number of ball sealers may be revised based on perforated interval.

    A. Pressure up backside to 500 psi. Break down perforations with 2% KCl water.

    B. Pump 3000 gal 15% NEFE HCl *acid at 4 to 5 BPM at an estimated surface pressure of 2000 psi. Do not exceed 4500 psi. Drop 2 ball sealers every barrel (143 total balls). If ballout occurs, hold pressure for 10 minutes then surge balls and continue treatment.

    C. Displace to bottom perforation with 21 barrels 2% *KCl.

    D. SI well for 2 hrs.

13. Swab back load and determine entry.