8. Rig up perforators, 5,000 psig lubricator and packoff. RIH with 4" casing gun and perforate with 1 SPF and 90° phasing, the following Bone Spring intervals, using Schlumberger openhole CNL-FDC log run 9/1/83:

12,230'-12,282' (53 holes) 12,320'-12,356' (37 holes)

- 9. RIH with RBP, packer, SN and 2-7/8" tubing. Set RBP @ ±12,400' and pressure test to 5,000 psi for 15 minutes. Spot one sack of sand on RBP. PU and set packer @ 12,302'.
- 10. Acidize interval 12,320'-12,356' with 3,000 gallons 7.5% HCL @ 6 BPM according to the attached procedure. Use ball sealers to divert.
- 11. Swab test to determine oil cut.
- 12. Kill well with 10 ppg brine water, unseat packer @ 12,302', lower and reverse ball sealers and sand off RBP @ 12,400'. Latch RBP and reset @ 12,305'. Pressure test RBP to 5,000 psig for 15 minutes. Spot one sack of sand on RBP. PU and set packer @ 12,100'±.
- 13. Acidize interval 12,230'-12,282' with 3,000 gallons 7.5% HCL @ 6 BPM according to the attached procedure. Use ball sealers to divert.
- 14. Swab test to determine oil cut.
- 15. Unseat packer @ 12,100', lower packer and latch RBP @ 12,305'. Reverse ball sealers and sand off RBP. POH with RBP.
- 16. PU Otis Perma-Lach packer with Otis Overshot Tubing Seal Divider (on/off tool with profile I.D. of 2.313"). RIH on 3-1/2" 9.3 lb/ft. N-80 tubing (rental frac string) to \pm 12,100'. Pickle the tubing by pumping 300 gal. of 7-1/2% HCL acid to the packer, and then reverse the acid back to a tank. Displace the brine water out of the tubing with treated 2% KCL water. Set the packer at \pm 12,100' with $\pm \sqrt{2_1 e_0 o}$ lbs. compression. ND BOP and NU tree.
- 17. Fracture treat Bone Spring sand intervals 12,230'-12,282' and 12,320'-12,356' down 3-1/2" tubing according to the attached procedure. Shut-in well. Fig down frac equipment.
- 18. Open to frac tank, flow well back. Swab if necessary. Flow test.
- 19. Load tubing with treated 2% KCL water or treated 10 PPG brine water and set blanking plug in top of packer. ND tree and NU BOP. POH LD 3-1/2" tubing. TIH with 2-7/8" tubing and circulate hole adding packer fluid chemicals to brine water. Latch onto packer, ND BOP and NU tree. Pull blanking plug.
- 20. Place on production.
- 21. Inspect all tubing remaining on location. Check with Larry Shoemaker.

Hai Crabb, III 7/10/92 m:\wpdocs\vaca13bs

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