Julia Culp #2
Wildcat Field, Lea County, New Mexico
Recommended Procedure For
Recompletion Test Of Atoka Zones
August 23, 1990

Current Well Data:

Current Perforations: (Mississippian Zone) 13,391-13,522' overall, 37 holes, 1 JSPF
Packer: Guiberson HT Magnum permanent packer set at 13,330'
Production Casing: 5-1/2" 17# & 20# N-80 @ 13,950'
Tubing String: 2-7/8" 6.5# N-80 EUE
Annulus Fluid: 2% KCl water

Recommended Workover Procedure:

Current Mississippian Zone:

- Install production facilities and tie in to gas sales. When current Mississippian zone at 13,391-13,522' depletes, proceed with recompletion test to lower Atoka zone.

Lower Atoka Interval:

- Move in and rig up workover rig with BOP's.

- Kill well by pumping down tubing with 2% Kcl water with clay stabilizing agent and non-emulsification agent. Unlatch seal assembly from packer at 13,330'. Reverse circulate any remaining gas out of hole and pull tubing.

- Rig up wire line truck and set cast iron bridge plug at approximately 13,280'. Dump 35' cement atop CIBP. Load hole and pressure test casing and bridge plug to approx. 1500 psi.

- Run 2-7/8" production tubing with Guiberson Uni-VI packer (rated for 10,000 psi). Run 10' 2-7/8" pup joint tail pipe, X profile nipple and a tubing collar below packer. Run tubing to approx. 12,400' and spot perforating acid across an interval 12,175 to 12,400'. Pull up on tubing, reverse any acid off packer, and set packer at approx. 12,170'. Pressure test annulus to 1000 psi and tubing to 2000 psi.

- Swab down tubing to approx. 9,000'. Rig up wireline truck with grease injector and perforate through tubing with hollow carrier, magnetically decentralized gun, 2 JSPF in the Atoka zone as follows: 12,270-277', 12,300-308', and 12,380-388'. (For all log correlations use Atlas Acoustic Cement Bond Log dated July 6, 1990.) Flow well while perforating all intervals. After perforating, clean up and flow test well.