

- Assuming that well performance is inadequate, acid stimulate and ballout zones down tubing as per recommendation.
- Swab to clean up after acid job and test well. If well performance is still uneconomical after acid job, proceed with recompletion test of upper Atoka intervals.

Upper Atoka Interval:

- Kill well by pumping down tubing with 2% KCl water with clay stabilizing agent and non-emulsification agent. Release packer. Reverse circulate any remaining gas out of hole and pull tubing.
- Rig up wire line truck and set cast iron bridge plug at approximately 12,215'. Dump 20' 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. 12,000' and spot inhibited perforating acid across an interval 11,600' to 12,000'. Pull up on tubing, reverse acid off packer, and set packer at approx. 11,615'. 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: 11,710-720', 11,878-890', 11,990-998'. (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.
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