

SUMMARY OF OPERATION

(ATOKA)

November 18, 1974

Morrow producing 1.9. MMCFPD and Atoka producing 0.155 MMCFPD. Rigged up Schlumberger's mechanically oriented thru tubing perforating gun (1 9/16" gun w/1 11/16" collar locator) and ran in Atoka tubing string. Gun stopped @ 10,794' (top of dual packer), stuck perforating gun, pulled out of rope socket, leaving gun stuck @ 10,794' (top @ approximately 10,770'). Rigged up Cecil Horne Wireline service and fished out perforating gun. Ran Horne's 1 3/4" tubing broach and cut salt and scale deposits from 10,790' to 10,783'. Shut-in Atoka zone over nite.

November 19, 1974

Morrow producing 1.96 MMCFPD. Atoka shut-in.
Ran Schlumberger's mechanically oriented perforating gun, went thru packer O.K. Perforating gun would not fire because of failure of the kicker arm (mechanically orienting device). Shut-in to wait on another perforating gun and orienting device from Houston.

November 20, 1974

Morrow producing 1.95 MMCFPD. Atoka shut-in.

November 21, 1974

Morrow producing 1.95 MMCFPD. Atoka SITP = 900 psi.

Ran in Atoka tubing string w/a new Schlumberger mechanically oriented perforating gun to perforate additional Atoka pay. Perforated interval 10,912-10,922' and 10,929-10,932' (total 15 holes). Attempted to perforate additional zones but gun would not fire. Shut-in Atoka zone.

November 22, 1974

Morrow producing 1.92 MMCFPD. Atoka shut-in.

Attempted to perforate additional Atoka, the mechanically oriented perforating gun would not function. Opened Atoka zone to pipeline. Shut-down to wait on

RECEIVED
JAN 14 1975
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO