

JCW-State No. 1

Lower Morrow Sand

Perf 4½" csg w/3-1/8" csg gun 11,240-250' w/2 jet shots/ft (total 22 holes). Swabbed hole down to seating nipple, well blowing to pit w/weak flare, no pressure.

Acidized perfs 11,240-250' w/3000 gals 7½% Morrow-Flo acid, 135,000 std. cu. ft. N₂. Open well, blew down in 35 mins. Swabbed hole down to seating nipple, have continuous flow of gas on 3/4" choke, no pressure, est. volume 200 MCFGPD. After 13½ hrs flow on 3/4" ch., FTP 5#, gas volume 290 MCFGPD.

After 37½ hrs of flow on 3/4" ch., FTP 10#, gas volume 362 MCFGPD.

Fraced perfs 11,240-250' w/30,000 gal clear gel w/33,000# 24-40 mesh sand & 1 million std. cu. ft. N₂. Opened well and blew 4½ hrs and died. Had show gas 1 hr 35 mins. Shut well in. In the AM have 1600# TP. Open well, blows down, swab dry, have weak blow gas at surface. Reversed out sand, swab hole down, flared to pit on 3/4" ch., FTP 15#, gas volume 435 MCFGPD.

Canyon

Perf 4½" csg w/3-1/8" csg gun 9932-52' w/1 jet shot/ft (total 21 holes). Swabbed hole dry with no show gas.

Acidized perfs 9932-52' w/3000 gals 15% FE NE acid w/126,000 std. cu. ft. N₂. Open well and blew down in 41 mins. Pulled swab from seating nipple, no fluid recovery, packer is leaking.

Re-acidized perfs 9932-52' w/3000 gals FE NE acid w/105,000 std. cu. ft. N₂. Opened well and blew down in 2 hrs. Swabbed hole to seating nipple, swabbed dry w/only sli indication of gas.

SI overnite, this AM 175# SITP. Blew down in 5 mins. Swabbed to seating nipple, recovered 200 feet non-gas cut load water. Waited 1/2 hr, ran swab to seating nipple, tubing dry, recovered no water, no show gas.