



CASE HISTORY

Unconventional Resources

PosiFrac® Straddle System

SELECTIVE TEST OR TREAT - SWABBING

Selective Testing Required in Horizontal Well to Define Water Source

Location: East Texas



PosiFrac® Straddle System

CHALLENGE: A 6-¼ in. open hole horizontal well in a fractured carbonate oil reservoir was producing 1,200 BFPD with 97% water cut.

SOLUTION: Ran a 5-½ in. OD inflatable straddle with 200 ft spacing between packers on 2-7/8 in. tubing. Inflated straddle packers near toe of the lateral and swab-tested for productivity and fluid composition. Released packers, pulled up hole, re-set and tested. Five tests were conducted and the majority of oil production was determined to be near the middle of the lateral. Ran and set an Inflatable Bridge Plug (IBP) 700 ft from toe and inflatable production packer 600 ft above IBP. Placed well back on pump.

RESULTS AND BENEFIT: The water cut was reduced to less than 70% resulting in 90 BPD oil production increase resulting in payout of less than 20 days.