CASE HISTORY

Reservoir Optimization

PosiFrac® Multi-stage Straddle System

SELECTIVE TEST OR TREAT - ACIDIZING

Selective treating required in horizontal well to remove formation damage due to drilling operations

Location: Canada

CHALLENGES: 6-¼” open hole horizontal well in a fractured carbonate, oil reservoir was producing 70 BFPD with 75% water cut.

SOLUTION: Ran 5-½” OD inflatable straddle with 100’ spacing between packers on 2-7/8” tubing. Inflated straddle packers near toe of the lateral and performed matrix acid treatment using 15% HCl. Released packers, pulled up hole, re-set and treated new interval. A total of 49 selective treatments were achieved on a single trip in the well.

RESULTS AND BENEFIT: Production rate increased to 500 BPD with 37% water cut. Resulting oil production increase of 300 BPD resulted in payout of less than 8 days.