

Case History

Eagleford operator increase production from 5 to 135 BOPD using BICO PBL tool & SpiroStar motors.

APPLICATION:

Operator had series of wells where production had dropped to \approx 5-10 BOPD. If production could not be increased to commercial levels then the wells would have to be P&A'd.

OBJECTIVE:

Pick up coiled tubing BHA that included a BICO 2-7/8" PBL tool (multiple activating circulating sub) and BICO 2-7/8" SpiroStar™ motor. The performance evenwall motor was used to clean out the well bore while the PBL was used to pump an acid, nitrogen and foam mixture to clean out existing fractures to stimulate the well. The PBL was used to isolate the motor and remaining BHA from damages often associated with pumping acid on an operation of this nature.



RESULTS & BENEFITS

- Operation was a commercial success and Production was increased from 7 to 135 BOPD!
- The 20x increase in production levels has remained constant for 5 months!
- Total cost of this operation, including coil unit, was recovered in less than 10 days of production.
- Incremental savings through use of a PBL sub saved over \$7000 in damages that were normally encountered if acid or nitrogen was pumped through a motor.
- Multiple activation feature of the PBL permitted both the spotting of acid without damage to the BHA, subsequent chemical slurry was able to be pumped in order to neutralize potential damage to the string of coil tubing.
- This operation and its savings have since been repeated on multiple wells.