

nanoActiv® New Completions Summary

nanoActiv®
by Nissan Chemical



Delaware Basin, New Mexico

Details

20 horizontal wells in the Delaware Basin, NM (Bone Springs & Wolfcamp formations) used nanoActiv® HRT as the treatment fluid and were compared to their 35 offset wells in 2018 and 2019.

Treatment

- The **Red Line** is the average cumulative production of the 20 wells treated with nanoActiv® HRT.
- The **Black Line** is the average cumulative production of 35 wells NOT treated with nanoActiv® HRT.
- Data was limited to direct offsets with reasonable data quality as reported to the New Mexico Oil Conservation Department.

Results

- For each well treated with nanoActiv® HRT, the wells produced an average of 36,500 additional barrels of oil over the 18-month post-completion period when compared to the average cumulative production of the 35 offsets.
- A well treated with nanoActiv® HRT produced an average of 2,000 more barrels per month than a well not treated with nanoActiv® HRT.
- Initial Production (IP) volumes did not significantly vary between the two data sets. The well performance began to diverge in month 4 showing the long-term efficacy of nanoActiv® HRT.
- At \$30 oil, the incremental revenue achieved over 18 months from completing a well with nanoActiv® would equate to an additional \$1,080,000 per well.

- **Average treatment cost sample wells is \$160,000. At \$30/oil, estimated payout in 20 days.**

About nanoActiv®

nanoActiv® HRT is a well additive treatment mechanically powered by highly surface-modified nanoparticles. These particles are designed to penetrate deep into the natural fracture network and persist with long efficacy to deliver increased and sustained oil and gas production.

55-Well Comparison: Delaware Basin

