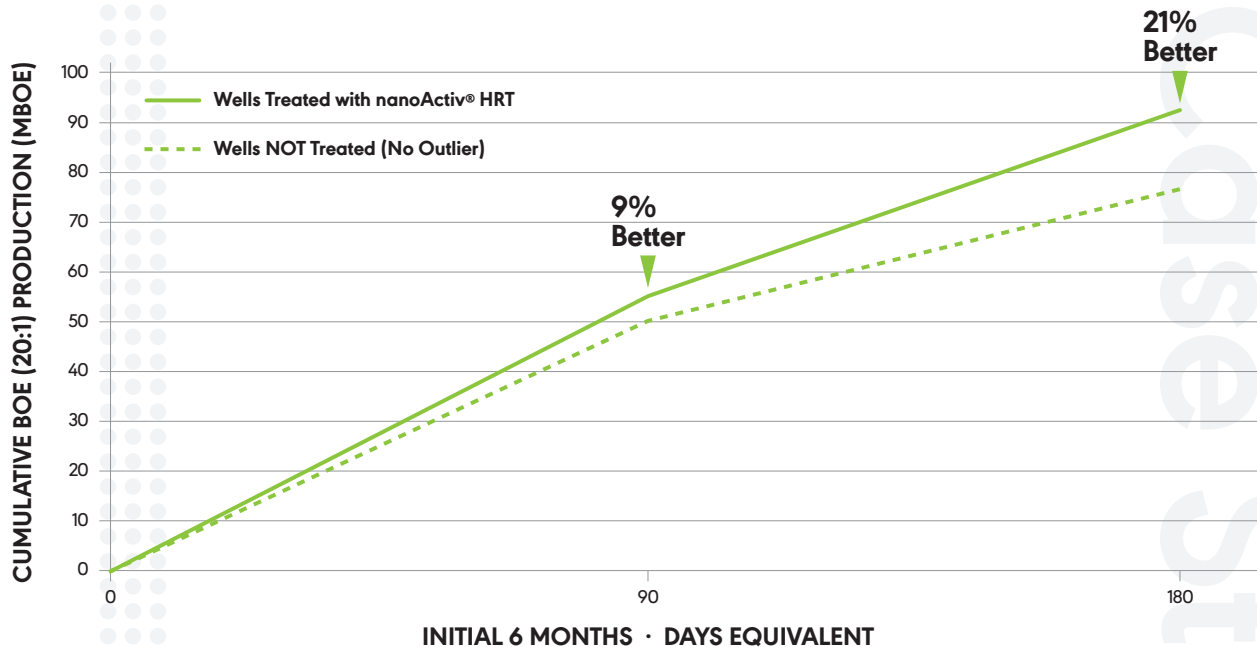


# 78-Well Comparison · Wolfcamp Formation nanoActiv® HRT Treatment

- ✓ 90 days—4,700 more BBLs per well produced
- ✓ 180 days—16,000 more BBLs per well produced



## Details

- 78 wells in the Wolfcamp Formation (Midland Basin and Delaware Basin)
- nanoActiv® HRT treatment vs. offsets (2017-2018)—New well frac'd completions

## Treatment

- 13 wells were treated with nanoActiv® HRT
- 65 wells were NOT treated with nanoActiv® HRT
- Data was limited to direct offsets with reasonable data quality as reported to Texas RRC

## Results

- Weighted difference in average BOE (20:1) cumulative production per well in 90 days is: 4,700 more BBLs produced by wells that used nanoActiv® HRT. Difference in average BOE (20:1) per well in 180 days is: 16,000 BBLs



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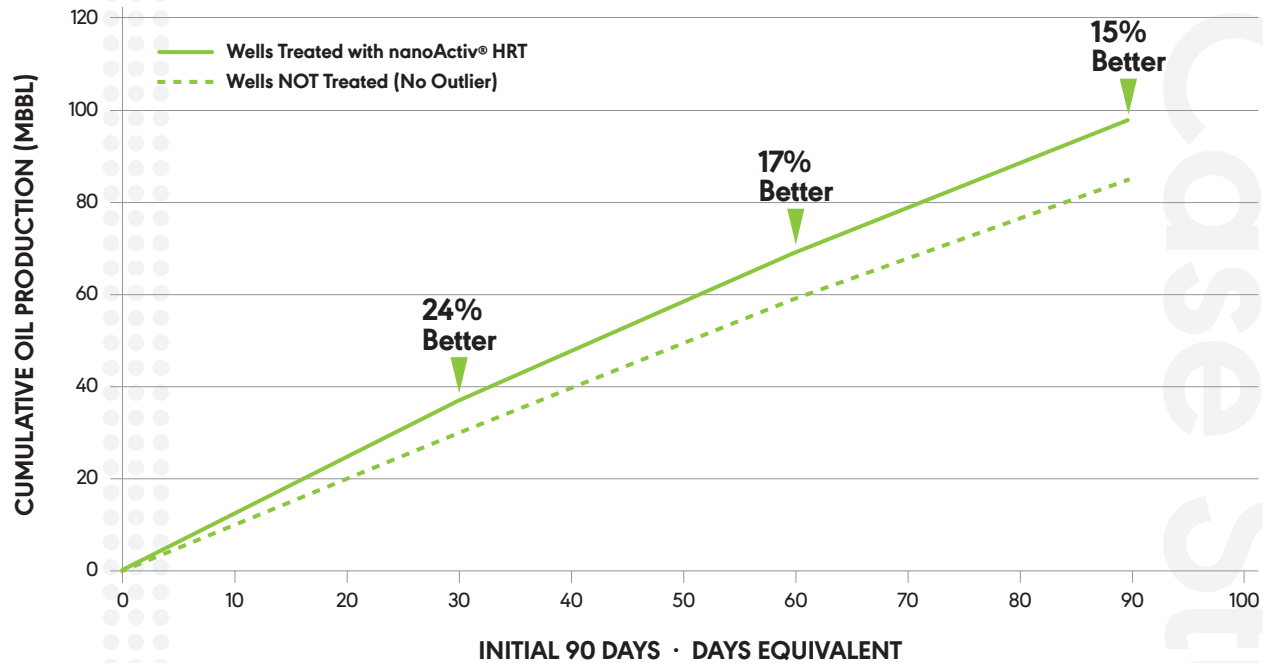
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Nissan Chemical  
America Corporation

# 13-Well Comparison · Bakken Petroleum System nanoActiv® HRT Treatment

✓ 13,000 more BBLs per well produced in 90 days



## Details

- 13 Wells in the Bakken Petroleum System (Middle Bakken and Three Forks)
- nanoActiv® HRT treatment vs. offsets (2017-2018)—New well frac'd completions

## Treatment

- 7 wells were treated with nanoActiv® HRT
- 6 wells were NOT treated with nanoActiv® HRT
- Data was limited to direct offsets with reasonable data quality

## Results

- After 90 days, 13,000 more BBLs were produced by wells that used nanoActiv® HRT



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