

CONCENTRATED CHAINBREAKER MICROBE BLEND

CASE HISTORY No. 4 VERTICAL WELL



Well Location: Bottineau County, ND

Formation: Madison Limestone

Original Completion Date: 1963

Total Depth: 3,342 feet

Perforated Interval: 3,290–3,304 feet

Initial Production: 82 BPD

Average Production Since Completion: 271 bbl/month (9 BPD)

Treatment Design:

1. 1 Gallon of ChainBreaker mixed in 1 barrel of water.
2. Mixture is pumped down the backside.
3. Shut in for 8 hours and then put back online.
4. Treated two months in a row.

	Before	After
Oil Production (bbl/month):	263 (8.8 BPD)	436 (14.5 BPD)

Note: All production numbers are 4 month averages from 2022.

Based on the cost of the treatment, a very high rate of return was provided to the operator.

ChainBreaker is a proprietary, highly concentrated, non-pathogenic natural bacterium formulation designed to treat paraffin, wax build-up, scale and wellbore damage in a cost effective and environmentally friendly manner.