



Concentrated **ChainBreaker** Microbe Blend

CASE HISTORY #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

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 poured down the backside.
- 3) Shut in for 8 hours and then put back online.
- 4) Treated two months in a row.

	<u>Before</u>	<u>After</u>
Oil Production (bbl/month)	310 (10.3 BPD)	439 (14.6 BPD)

Note: All production numbers are 3 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.

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