

OIL WELL CLEANING

Help oil flow again.

Water-driven vibration to help restore restricted flow around suitable producing and injection wells.



Wave Generator · AI visualization based on the original product photograph.

A tool. A planned treatment. A measured response.

The Wave Generator is positioned downhole. Circulating water powers pressure waves intended to mobilise restrictions in the surrounding rock. Resonflux starts with a review of your well and its likely damage mechanism.

UNDERSTAND THE PROCESS

Treat the flow paths around the well.

Oil reaches a well through pores in the rock. Deposits or trapped fluids can restrict those paths. The treatment targets the near-wellbore formation at a selected interval.

1**Assess the restriction**

Review production or injection history, completion details and earlier treatments. Check whether restricted flow near the well is a suitable target.

2**Position the Wave Generator**

Design the generator for the formation and lower it to the target interval using the planned deployment method.

3**Circulate and apply vibration**

A surface pump sends water through the downhole tool. Pressure waves help mobilise restrictions; returning fluid is handled through the planned circulation system.

4**Measure the response**

Compare production or injectivity under comparable operating conditions. Record oil, water and gas rates, pressures and the observation period.

Plan the whole job, not only the active treatment.

The supplied English presentation describes a typical active-treatment range of 4–8 hours per near-well zone. Setup, tool deployment, recovery and restart add time. Horizontal intervals and multiple zones can take longer.

This service is not a substitute for pump repair, large-debris removal or a reservoir-depletion assessment.

TWO DOCUMENTED WELLS

Read the response with its context.

Historical examples from supplied technical materials. They are not new Resonflux trials or guarantees for another well.

ALASKA, USA · PRODUCTION WELL

Prudhoe Bay F-42

94 → **413** **+339%**

barrels of oil / day

The English presentation reports 94 barrels/day before and 413 after treatment. The source curve spans 26 July–9 August 1994 and shows variation. This short observation window does not establish a sustained long-term rate.

OMAN · HORIZONTAL PRODUCTION WELL

Marmul MM-595

12 → **39** **+225%**

m³ of oil / day

The selected comparison is 12 m³/day before treatment and a reported peak of 39 afterwards. The original curve shows a later decline. The peak must not be used as a sustained production forecast.

Open each case on resonflux.com for the original curves and source links. Numeric sources: supplied English presentation, slides 7–8; context: Russian SIGMA overview, pages 7 and 13. Full job logs, matched acidizing trials and verified treatment prices are not supplied.

POTENTIAL SAVINGS FROM A SHORTER SHUTDOWN

\$9,870

less gross production value deferred in this example with Resonflux

Illustrative scenario, not a quote or guaranteed cash saving.

Input / outcome	Resonflux	Acidizing
Baseline oil rate	94 bbl/day	94 bbl/day
Illustrative oil sales price	\$70/bbl	\$70/bbl
Assumed total downtime	12 hours	48 hours
Gross production value deferred	\$3,290	\$13,160
All-in treatment quote	Not supplied	Not supplied

$$94 \text{ bbl/day} \times \$70/\text{bbl} \times (48 - 12) \text{ hours} \div 24 = \$9,870$$

Only the 94 bbl/day baseline comes from F-42. Price and shutdown periods are editable assumptions, not current prices or recorded F-42 job durations. Acidizing does not universally require 48 hours. Deferred production may be recovered later; treatment fees and profit are not included.

Build a comparison for your well.

Use your current oil rate, expected total shutdown periods and both all-in treatment quotes. The online calculator carries your inputs into an enquiry for review before you send it.

To start: send the well location, production history, completion details and the problem you are seeing.

[Open the USD calculator](#) · [Request a well assessment](#)