MPC WELL STIMULATION · FIELD RESULTS 1998-2026

Wells that had stopped responding, brought back to production

Results from more than 20 years of MPC treatments in oil, gas and gas-condensate wells. Every figure below is the operator's reported rate before and after treatment.

500+	13	20+ yrs	~350
wells treated	countries and regions	of field experience	wells in one programme

Treats the near-wellbore zone

Reagents are pumped in sequence and placed at the perforations, where an exothermic reaction combines heat, gas and chemical action.

Standard equipment

Delivered by a workover crew or coiled tubing. No fracturing fleet and no new surface facilities.

Broad reservoir range

Sandstone, carbonate and coal. Heavy and light oil, gas and condensate. Wells from about 150 m to 5,950 m.

Three headline results

BOPD = barrels of oil per day

PAKISTAN · OGDCL
KAL FIELD, WELL KAL-3 · 2024

50 → 750

BOPD oil **15x**

Mature Lower Goru sandstone producer. MPC was performed during a workover that also installed an ESP.

Announced by the operator through the Pakistan Stock Exchange.

INDIA · SUN PETROCHEMICALS
BHASKAR FIELD, WELL T#6 · 2023

0 → 280

BOPD oil **Flow restored**

New heavy-oil well stopped flowing after paraffin deposition. Stabilised at 260-280 BOPD with 20% water cut, over 1,600 bbl in week one.

Source: operator field report, 2023.

KUWAIT · KUWAIT OIL COMPANY
WELL T-504 · 2021-2022

191 → 401

BOPD oil **+110%**

Tight fractured carbonate (10 mD) where an earlier acid job had not held. The gain was sustained beyond six months.

Published with the operator: OTC-34832-MS.

OIL WELLS

Results by the problem the well had

SHUT-IN AND SUSPENDED WELLS

Little or no production before treatment

OMAN · WELL WS-1 · 2012

0 → 350 bbl/d oil

Horizontal carbonate well, no oil for 1.5 years before.

REPUBLIC OF KOMI · DYUSUSHEVSKOYE FIELD, WELL 7 · 2012

Shut in → 23-26 m^3/d oil

Shut in for low rate. Water cut fell from 80-84% to 63%.

REPUBLIC OF KOMI · UVAROVSKOYE FIELD, WELL 185 · 2011

Idle → 30 m^3/d oil, initial

Out of service for poor inflow. Settled at about 20 m^3/d.

CENTRAL ASIA · WELL 87 · 2010

No inflow → 11.5-13.5 t/d

Reperforation and acid had both failed the year before.

MATURE WELLS IN DECLINE

Producing wells losing rate to near-wellbore damage

PAKISTAN · OGDCL · PASAKHI-7 · 2024

375 → 520 BOPD **+39%**

With workover and ESP. Disclosed to the stock exchange.

REPUBLIC OF KOMI · OIL FIELD · 2013

8.9 → 50-55 t/d oil

Sandstone at 4,500 m, down from 12-15 t/d after drilling.

EGYPT · PETROSANNAN · 2013

400 → 670 bbl/d oil

Carbonate at 3,076 m. Reference letter on file.

MIDDLE EAST · TWO DEEP CARBONATE WELLS · 2023-24

438.8 → 547.7 BOPD **+24.8%**

4,700 m, 120°C, ~1 mD. Rigless. 4,787 extra bbl in 44 days.

HIGH WATER CUT

More oil, and less water in the stream

WEST KAZAKHSTAN · WELL 359 · 2013

1 → 17.7 t/d oil

Water cut fell from 93% to 53%.

PAKISTAN · OGDCL · PASAKHI NORTH EAST · 2025

~175 → 250-285 BOPD peak

Holding 220-250 BOPD. Zero water recorded in April 2025.

UKRAINE · BUHRUVATIVSKE FIELD, WELL 68 · 1998

2.5 t → 26 m^3 liquid per day

Water cut 80% to 20%. Still 20 m^3/d of oil 14 years later.

KAZAKHSTAN · SHALLOW UNCONSOLIDATED WELL · 2026

0.4 → 1.4-1.8 t/d oil

Water cut fell from 79% to 30-40%. Peak above 2 t/d.

HEAVY AND VISCOUS OIL

Paraffin, resin, asphaltene or viscosity limiting inflow

WEST KAZAKHSTAN · MANGYSTAUMUNAIGAS, WELL 3332 · 2015

3.8 → 26 t/d oil

Oil with 29% paraffin and 15% resin content.

KAZAKHSTAN · KNOC · BASHENKOL FIELD, WELL 58 · 2018

1.6 → 7 m^3/d oil

19-20° API on a screw pump. Reference letter on file.

INDIA · SUN PETROCHEMICALS · BAOLA FIELD, WELL 8 · 2016

Unstable → 50-100 bbl/d, stable

14-18° API. Earlier stimulation methods had not held.

KAZAKHSTAN · AKTAU REGION · THREE WELLS · 2025

34% less viscous oil best of three wells

Viscosity fell 3-34% across the wells. Rates rose 20-50%.

t/d = tonnes per day · m^3/d = cubic metres per day · BOPD = barrels of oil per day

GAS, GAS-CONDENSATE AND COALBED METHANE

Gas wells restored, some by more than ten times

UKRAINE · LEVYTSIVSKE FIELD, WELL 24 · 2000

12,000 → 120,000 m^3/d gas

Gas-condensate sandstone, 1-80 mD. A tenfold rate.

UKRAINE · KHRESTYSHCHENSKE FIELD, WELL 119 · 2003

4,900 → 60,000 m^3/d gas

Deep gas sandstone, 1-30 mD.

UKRAINE · KEHYCHIVSKE GAS STORAGE, WELL 133 · 2012

20,000 → 100,000+ m^3/d gas

Storage well fouled by waste oil. Full deliverability regained.

PAKISTAN · PAKISTAN PETROLEUM LTD · 2016

0.15 → 0.31 MMscf/d gas

Oil also rose from 75 to 145 bbl/d. Reference letter on file.

REPUBLIC OF KOMI · GAS FIELD · 2011

5,000 → 80,000 m^3/d gas

Deep sandstone at 4,200 m, 1-20 mD.

UKRAINE · EAST POLTAVA FIELD, WELL 14 · 1998

Suspended → 106,000 m^3/d gas

A non-producing well, now also 10 t/d of condensate.

CHINA · SHENYANG GAS FIELD · 2011

Weak → 60,000 m^3/d gas

4,500 m, 1-20 mD, plus 5 m^3/d of condensate.

UKRAINE · COALBED METHANE WELL MT-301 · 2003

10 years idle → stable gas

No gas inflow after drilling. Stable operation after MPC.

Field-scale programmes

Average gain across the treated wells

TURKMENISTAN · ~350 WELLS

+60-150%

oil, and +60-110% gas. Four fields, 2013-2022, 2,500-4,500 m.

KAZAKHSTAN · KNOC

+70-150%

production on 20 heavy-oil wells, three fields, 2018-2021.

UKRAINE · 6 GAS WELLS

+100-150%

gas, with less clay production. Clay-bearing sandstone, 2018-2022.

INDIA · CAMBAY BASIN PILOT

+51.8%

field oil output over two years, 22.5 to 34.2 BOPD average.

Where MPC fits

Wells losing rate to near-wellbore damage: paraffin, asphaltene, scale, fines or workover damage. Heavy and viscous oil. Wells where acid gave a short-lived response. Shut-in or suspended wells that still have reserves behind them.

Reading these results

These are selected results from specific wells, not a forecast or guarantee for any other well. MPC restores inflow lost to damage. It does not add reservoir energy, so a depleted well will not respond the same way. Every candidate is screened on its data first.

Have a well that stopped responding?

Send us the production history and we will tell you if it is a candidate.

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