

Revolutionizing Oil and Gas Production through Strategic Relationship: Enerchem & BroCal

INTRODUCTION

In an industry where innovation and efficiency are paramount, Enerchem International Inc. and BroCal Chemical Solutions have forged a powerful partnership. This collaboration merges Enerchem's cutting-edge hydrocarbon-based fluids with BroCal's revolutionary IonFlow technology to address key challenges in oil well productivity. Together, these companies are not only driving substantial cost savings and increased production but also shaping the future of oil and gas operations in a more sustainable and efficient direction.

ENERCHEM INTERNATIONAL INC.



With over 30 years of experience, Enerchem has been a leader in manufacturing high-quality hydrocarbon-based fluids, serving key markets such as oil & gas drilling, fracing, and production. Its state-of-the-art production facilities in Slave Lake and Sundre, Alberta, ensure that Enerchem's solvents—FracSol®, WaxSol®, Xysol®, Unisol®, and Ezsol®—are highly compatible with formations, offering economical and effective solutions to wellbore and production problems.

BROCAL CHEMICAL SOLUTIONS

Founded in 2024, BroCal is a forward-thinking chemical solutions provider with a team boasting over 15 years of experience in oil & gas chemical sales. BroCal's innovative IonFlow technology provides a game-changing approach to well stimulation, combining solvent and surfactant properties to enhance oil recovery while delivering significant cost efficiencies.

HIGHLIGHTS

- Increased Oil Production
- Substantial Cost Savings
- Versatile Applications
- Environmental Benefits



THE CHALLENGE

As the oil and gas industry faces increasing pressure to improve well productivity while controlling costs, both Enerchem and BroCal recognized an opportunity to combine their expertise. The challenge was clear: how to efficiently address wax, paraffin, and asphaltene build-up in oil formations, which often reduces oil flow and increases operational costs. Traditional hot oil treatments and standalone solvents, while effective, were time-consuming and less efficient.

THE SOLUTION: A SYNERGY OF INNOVATION

By blending BroCal's IonFlow technology with Enerchem's Wellbore Solvents, the companies developed a treatment solution that delivered remarkable results. IonFlow's unique surfactant-stimulation properties enable deeper penetration and faster dissolution of heavy hydrocarbons. When combined with Enerchem's Fracsol®, Waxsol®, and Xysol® solvents, the solution became exponentially more effective in clearing blockages, reducing viscosity, and improving well flow.

One key innovation involved mixing BroCal's IonFlow with Enerchem's solvents to create a highly soluble blend that could be easily integrated into water and dispersed through production equipment. This allowed for deeper penetration into the oil formation, breaking up wax deposits more efficiently than traditional methods. In tests, the solution cleaned wax buildup in as little as 15 minutes, compared to traditional 20-hour soaks.

SAFETY

ClearFlow Tubular Cleaner provides a safer alternative to many existing options for cleaning downhole equipment prior to removing from the well. While ClearFlow has demonstrated excellent results when used with hot or warm water, it can also be applied effectively with ambient temperature water, reducing the risks associated with on-site heating. Due to its low concentration when mixed with water, the treatment leaves equipment nearly free of residue upon completion. Additionally, ClearFlow is safe to handle, eliminating the need for a safety shower unit on-site.



RESULTS OF OUR RELATIONSHIP

The outcomes of this relationship support the following initiatives:

- **Increased Oil Production:** Wells treated with the combined solution saw significant increases in oil output, and hydrocarbon production were released more easily.
- **Substantial Cost Savings:** The solution proved to be more cost-effective than competing treatments, reducing the need for frequent hot oil flushes and other costly interventions.
- **Versatile Applications:** The blended product was successfully used in various applications, from well treatments to cleaning above-ground equipment, tank remediation, and even in challenging environments like SAGD (Steam-Assisted Gravity Drainage) operations.
- **Environmental Benefits:** The IonFlow technology, when combined with Enerchem's solvents, offered an environmentally friendly alternative by reducing the amount of water and heat needed in operations, aligning with industry ESG goals.



LOOKING AHEAD:

THE FUTURE OF OIL AND GAS PRODUCTION

The relationship between Enerchem and BroCal represents an innovative process in oil and gas production methods. As the industry continues to evolve, this collaboration is setting a precedent for innovation and efficiency, helping operators optimize their workflows, increase productivity, and reduce environmental impact.

The cutting-edge nature of the IonFlow and Wellbore Solvent solution ensures its long-term viability, as oil producers increasingly seek out solutions that balance performance with sustainability. Enerchem and BroCal are poised to continue refining and expanding their offerings, driving the industry forward with bold, efficient solutions that address the evolving needs of oil producers.

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