

CASE HISTORY

Delaware Basin
Eddy Co., New Mexico, USA

Challenges

- High closure stress
- Complex geology
- Poor porosity and permeability
- Moderate depths
- Non-Darcy Flow

Lightweight Ceramic Advantages

- Improved conductivity
- No reaction with cross-linkers and breakers
- Comparable bulk density and specific gravity as natural sand

Results

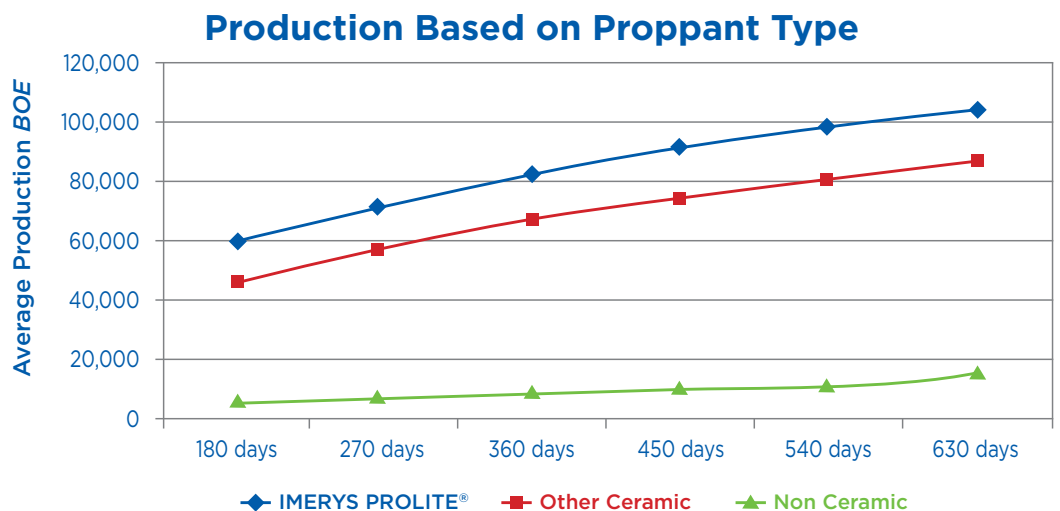
- Superior recovery
- Increased ROI and EUR
- Enhanced long-term production

IMERYS Oilfield Solutions

Enhancing Production in the Wolfcamp Formation with IOS Lightweight Ceramics Proppant

An operator in the Delaware Basin recently completed several horizontal wells utilizing IMERYS PROLITE® and reported successful results. This operator faced several issues including a geologically complex target formation with high closure stress and multi-phase flow which limited the productivity of its wells in the basin. The operator adopted different proppants including sand, RCS and ceramic proppants. The Best results were obtained with IMERYS PROLITE®, a proppant with pronounced strength and the ability to increase propped fractures to exploit overall reservoir drainage.

This study looked at a total of 13 wells with similar completion parameters. 4 of these wells were completed using IMERYS PROLITE®, 5 wells completed with other ceramic proppant, and 4 non-ceramic wells. (Non-ceramic wells include natural sand and resin coated sand).



IMERYS PROLITE® is a true kaolin lightweight ceramic proppant that is made from local materials in the USA. This proppant when compared to heavier proppants, transports farther in to fractures, increasing length and height, and reducing the need for higher fluid viscosity. It is offered in 3 standard mesh sizes: 20/40, 30/50, & 40/70. Overall, IMERYS PROLITE® wells showed on average a **25% increased production** over other ceramics, and over **200% improvement** over non-ceramic proppants.

* NavPort, now RS Energy (completions data) State of New Mexico Oil Conservation Division (completions and Production data)

Superior Performance
You Can Trust For
Your Unconventional
Challenges

For more information contact:
www.imerys-oilfieldsolutions.com



www.imerys-oilfieldsolutions.com

© IMERYS Oilfield Solutions. All Rights Reserved 2017.3