Performance Proppants & Powders Inc

PERFORMANCE COMPLETIONS TECHNOLOGIES

Multi-Functional Proppants

TTE November 5, 2015
Company Overview

- Founded in 2013
- Patent pending technologies for well productivity
- Spin-out of Powdermet engineered particle technology
- $18,000,000 sunk cost platform technology
- $1,300,000 direct investment to date
- Seeking $350,000 and partners for market entry
Our value on the market...

3P adds the next step in performance proppants

Multi-Functional Proppants

Make It Do More!
What if you could let the proppant do additional fracturing after pumping stops?

Expanding Proppant- XOprop™

- Reduced water usage
- Improved recovery
- Longer well life
When a proppant can self-heal...

**Immobile Proppant - LocProp™ Coatings**

- Market niche: Water Injection Wells
  - Prevent proppant loss
  - Maintains sand control screen
  - Low temperature and low load cure
  - Self healing!

- 3,000lbs demonstration underway
What if you could see the proppant in the fractures...

Acoustic Imaging Agent Coatings

- Actionable information from treated well
- Improve design of subsequent stages
- Design future wells using real well information
What if a proppant can conduct chemistry, *in-situ*

**Other seed proppant tech concepts**

- treat water
- kill microbes
- catalyze chemistry
- release surfactant
Contact

Andrew Sherman
AJSherman@Powdermetinc.com
216-404-5300 x103

Joe Hensel
Jhensel@Powdermetinc.com
216-404-5300 x160