



FracGeo and Terves announce DOE award for creating new generation of expandable proppants to achieve higher reservoir permeability

URTeC, San Antonio, August 1, 2016 - FracGeo, developers of FracPredictor™, the geoscience driven adaptive fracture engineering software platform, together with Terves, a market-leader in nano-technology based dissolvable alloys with their TervAlloy™ offering, announce the award of a DOE funded project (DE-SC0013242) to model and create a new generation of expandable proppant that will achieve higher reservoir permeability and well performance.

“Drawing on our 20 years of experience in nanoengineered material science, Terves has created a new expanding proppant technology that will literally change the down-hole value proposition - by assisting in formation fracturing after the frac is complete. This exciting new material has an engineered response to expand in situ, and in doing so exert significant force on the frac cavity - creating opportunity to extract more oil and gas and realize greater well yields. Through our partnership with FracGeo we’ve been able to model this promising new technology and are excited to move this program into the field.”, said Brian Doud, COO of Terves.

The two phase project starts in Q3 2016 includes optimizing the formulation, processing, laboratory scale proppant testing and scale up production with the second year focusing on field demonstrations. FracGeo will be investigating computational simulations of well stimulation using the new generation expandable proppant while Terves establishes and refines their manufacturing process.

“FracGeo is pleased to contribute to our formulation and manufacturing partners the proppant simulation capabilities of our fracture geomechanical simulator for adaptive frac design. FracGeo technology is based on a computational method not used before in modeling hydraulic fracturing called the Material Point Method (MPM). Through our work with our service industry partners and with oil and gas operators who will join us for the field testing we are excited with the opportunity to assist our clients in modeling the optimum proppant types to improve their wells stimulated permeability “ said Dr. Ahmed Ouenes, founder and CEO of FracGeo

About FracGeo:

FracGeo provides Shale Management™ solutions for sweetspot and landing zone selection, adaptive asymmetric frac design, and completion and well spacing optimization in unconventional and tight reservoirs to improve asset ROR and well performance.

About Terves:

Terves is the leading provider of nanoengineered materials to the Oil and Gas industry. Drawing on 20 years of material science research and development they are changing the way the industry operates by providing Engineered Response™ technologies to the marketplace, including their TervAlloy™ dissolving alloys, and their new Response Coatings™ - which provide exciting new opportunities for the design of dissolving down-hole products.

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