



Glass Technology Services joins ecorpStim consortium seeking further advancements in ecological shale stimulation technologies

Press Release

Houston, August 20, 2014

Glass Technology Services – eCORP Stimulation Technologies, LLC (**ecorpStim**) is pleased to announce the addition of the Glass Technology Services (GTS), Sheffield, UK, (www.glass-ts.com) to ecorpStim's clean shale stimulation research and development consortium.

Scientists at GTS who have many years' experience in novel uses of glass based materials will assist the consortium research team – which includes doctors and scientists at Baylor College of Medicine (www.bcm.edu), Rice University (www.rice.edu), the Energy Safety Research Institute at Swansea University (www.swansea.ac.uk), and its collaborative partner University of Grenoble (www.grenoble-univ.fr) – in evaluating and furthering developments in delivery of ecorpStim's non-water, chemical-free stimulation technologies.

The addition of GTS to the ecorpStim research consortium is important to furthering ecorpStim's goals of advancing proprietary concepts for the use of silica, the raw material with which glass is made, in the environmentally sustainable development of shale hydrocarbon production.

One such patent pending technology involves the novel combination of two components only – a stimulation fluid (heptafluoropropane) and a proppant (mesoporous silica) – both of which are approved in different forms of medical treatments.

ecorpStim's proprietary (patent pending) Pure Propane Stimulation and Non-Flammable Propane Stimulation technologies are being developed to reduce the environmental impacts associated with shale development to being only clean and temporary use of the well site. ecorpStim's shale stimulation designs and operating practices constitute a revolutionary change for the industry.

Prof. Andrew R. Barron, Welch Chair of Chemistry at Rice University and Ser Cymru Chair at Swansea describes the collaboration as "a perfect blend of partners to create technology for the safe development of a sustainable, affordable and secure energy future."

John Francis Thrash, M.D., CEO of ecorpStim, observed that "The unique use of these two agents that are approved for medical use helps to further advance our goals of providing stimulation technologies for the extraction of shale gas that are at the same time completely innocuous for human health and fully respectful of the environment. Ecological shale development can be expected to fuel massive job creation as much as it can fuel the economy of the producing and exporting country."

About Glass Technology Services Ltd (GTS) - based in Sheffield UK, GTS is a multi-disciplinary centre for testing, consultancy and research and development - specialising in glass and related materials. Accredited to ISO 9001, 14001 and 17025 standards, GTS provides a wide range of services to food and drink manufacturers, the design and construction industry, medical, pharmaceutical and biotech sectors, energy and defense sectors across the UK and internationally. For more information please visit www.glass-ts.com, email enquiries@glass-ts.com or telephone +44 (0) 114 290 1801.

About ecorpStim - The company ecorpStim (eCORP Stimulation Technologies, LLC) was created in 2012 to provide European countries, as well as those with limited water resources, with alternatives to hydraulic fracturing, based on pure home grade propane and without the use of chemicals, or on heptafluoropropane (in the case of NFP Stimulation). www.ecorpstim.com

About eCORP International, LLC - Founded in 1978, eCORP and its predecessor companies have extensive oil and gas experience including underground natural gas storage, natural gas transportation, enhanced oil

recovery in conventional reservoirs using propane and butane, exploration for and production of conventional and unconventional (shale) reservoirs, electric power generation and marketing of electricity and gas.
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