

FES Newsletter – Winter 2016 / Spring 2017



5 Years of Packer-Service in Cloppenburg

FES is proud to announce that since 01.02.2012, over 200 successful packer jobs have been completed. Be it for mechanical or inflatable solutions, the FES commitment to reliability will stand for the years to come.



FES Presentation at the SPE / IADC Drilling Conference and Exhibition

At the SPE/IADC Drilling Conference and Exhibition in The Hague (March 14 2017), Dr. Nils Recalde Lummer presented Fangmann's "Specially Customized System for Cementing Glass Reinforced Epoxy Casings" (SPE-84597). We would like to thank our customers for their interest in our New Technologies.



FES Lecture for RWTH Aachen

December 2016, FES gave a lecture for RWTH Aachen students about innovative acidizing fluids. We would like to thank the students for their kind attention and interesting questions after the lecture. Thus FES will continue to support the technical development for the academia.



Acknowledgement from the Ministry of Economy and Innovation

Through a state founded research project, FES has developed a highly efficient three-component geothermal acidizing system. The advantage of biodegradability is also proven by OECD standards. Hereby we would also like to thank to the people responsible for the Central Middle-Class Innovation program.

Fangmann Energy Services

fes@fangmanngroup.com
www.fangmanngroup.com

FES Lab Upgrade with New Thermal Conductivity Measurement Device and Increased Research Activity



FES has recently increased its research capabilities with a brand new ASTM D5334-08 thermal conductivity measurement device. The heat transfer property of materials is of particular importance for geothermal energy. Together with existing temperature simulation software, the device expands the available technical expertise of which other industries can also profit. The measuring range is between 0,1 – 10 W/mK

Another Successful Offshore Foam Squeeze Job Engineered and Supervised by FES



Following its first offshore engineering and operations consulting success, FES is proud to announce another contribution to production increase for one of its North Sea clients. A high water-cut and scale affected gas well was successfully stimulated after an FES Foam Squeeze procedure. Resulted production increase from 90k Nm³/day to 122k Nm³/day.

Double-Stage Cementing Operation with TAM External Casing Packer for Geothermal Well



It is not often that geothermal energy clients call for a customized solution to cement a string only at shoe + the top interval. The idea behind is to allow future testing and production from a formation layer in between. To solve the challenge, FES came up with an innovative casing hardware setting comprising a TAM ECP on top of which double staged elements were positioned at clients specific intervals. In this way, with a 4 plugs sequence, the cement slurry was placed at exact intervals.

Successful Management of High Logistical Challenge for Air Drilled Scandinavian Geothermal Project



Providing services at long distances from the base is a logistical challenge for every player in the geothermal industry. On this particular project, FES committed to provide its cementing services in the Scandinavian peninsula. Personnel, Equipment and high quality cement blends with additives were shipped by ferry and across land to isolate an air drilled granite formation up to 4.500 m depth. The best in class coordination resulted in perfect timing and quality jobs for the client.