



Welcome to the SMU Geothermal Lab newsletter for September. In this newsletter we have information on a SMU presentation at the GRC Meeting, drilling rigs, an online class and a webinar.

### SMU Geothermal Lab News and Notes

**Maria Richards** and **Joe Batir** will be at the **GRC Meeting in Reno, Nevada, October 14-17, 2018**. Maria will be presenting on SMU's research at the Eastman Chemical Plant in East Texas as part of the Deep Direct Use project we are doing with NREL. Maria's presentation is on Monday afternoon as part of the Deep Direct Use session. More information: <https://geothermal.org/meet-new.html>.

Last opportunity to **purchase the SMU Logging Trailer** before it goes to auction next week. Give me an offer + shipping by Monday September 10. Then use it to learn more about what's down the wellbore!

- 1991 SMU logging trailer (built by International Marketing Company, Tulsa, OK)
- 15,000 feet of .092" diameter of 18-18-2 stainless steel slickline.
- International Marketing Company Model Universal U15-GE winch system.
- 2000 PSI hydraulic system
- ONAN P 218 G-1 Gasoline Engine
- Universal Measuring Device mounted
- T-102DA Dual Axle all metal

### Congratulations

*Congratulations* to the 8 projects selected to receive funding from the Department of Energy's **Beyond Batteries Lab Call: Geothermal Energy Applications for Storage Alternatives**. These projects will explore utilizing geothermal energy to support the DOE Grid Modernization Initiative. More information: <https://www.energy.gov/eere/geothermal/articles/gto-announces-beyond-batteries-lab-call-selections>.

*Congratulations* to the 4 projects selected to receive the \$4.5 M funding from the Department of Energy's **Geothermal Zonal Isolation Research**. These projects will for early-stage research and development of tools and technologies for enhanced geothermal systems (EGS). More information: <https://www.energy.gov/eere/articles/energy-department-awards-445-million-geothermal-zonal-isolation-research>.

### Geothermal News and Notes

**Geomaster Contracting Co. Ltd**, a Doha, Qatar company that offers **geotechnical drilling services**, has added two new drilling rigs which can be used for shallow geothermal wells. More information: <http://geomaster.qa>.

Jay Nathwani ([Jay.Nathwani@ee.doe.gov](mailto:Jay.Nathwani@ee.doe.gov)) and Tony Bolanos ([Anthony.Bolanos@hq.doe.gov](mailto:Anthony.Bolanos@hq.doe.gov)) from the DOE Loan Guarantee Program are attending the GRC Annual Meeting and Expo in Reno next month. Set up meeting times with them to discuss your project. Get geothermal into high gear with their help!.

**Did you know?** High temperature pressure and sensors can be coated with mullite for use in **high temperature (1,100°C) corrosive environments**. Now commercially available high temperature rated sucker rods have a plasma coat over the electronics tool and the sensors coated with mullite to monitor molten rock and magma. Fast response temperature sensors respond to lava, molten rock, and magma currents, even quantify these currents with a triangular arrangement of these sensors. Thanks to Harold Snyder for sending in the update. Contact him at [Harold.Snyder@physical-solutions-group.com](mailto:Harold.Snyder@physical-solutions-group.com) if you want to learn more.

### Geothermal Heat Pump News and Notes

IGSHPA is offering a new online training class, **Introduction to Geothermal Technology Systems**, taught by Jay Egg. More information: <https://igshpa.org/introduction-geothermal-systems-technology>.

### Other Event Details

HARC is presenting the webinar **CHP for the Modern Oilfield** on **September 13, 2018** at 12 pm CDT. More information: <https://register.gotowebinar.com/register/5580522181397744386>.

Registration is open for the **MENA 2018 Oil & Gas Conference** Advances & Limitations of Solar Oil Fields, **September 17-18, 2018**, London, United Kingdom. Geothermal and renewable energy research applicable to Middle East and North Africa oil and gas fields is included. More information: <http://www.targetexploration.com/CFPMENA2018.pdf>.

Registration is open for the **2018 Texas Energy Summit, September 24-26, 2018** in Houston, Texas. This conference was formerly called Clean Air Through Energy Efficiency/CATEE Conference. More information: <https://texasenergysummit.com/>.

### Calendar

**September 4-7, 2018 - GEOHEAT 2018**, Petropavlovsk-Kamchatsky, Russian Federation. More information: email [geoheat2018@yandex.ru](mailto:geoheat2018@yandex.ru).

**September 13, 2018 - CHP for the Modern Oilfield** webinar, 12 pm CDT. More information: <https://register.gotowebinar.com/register/5580522181397744386>.

**September 17-18, 2018 - MENA 2018 Oil & Gas Conference**, London, United Kingdom. More information: <http://www.targetexploration.com/CFPMENA2018.pdf>.

**September 24-26, 2018 - 2018 Texas Energy Summit**, Houston, Texas. More information: <https://texasenergysummit.com/>.

**October 14-17, 2018 - GRC Annual Meeting**, Reno, Nevada. SMU presentation Monday afternoon in the Deep Direct Use session. More information: <https://www.geothermal.org/meet-new.html>.

**October 21-23, 2018 - TREIA's 2018 GridNEXT conference**, Georgetown, Texas. More information: <http://www.treia.org/gridnext/>.

**November 4-7, 2018 - Geological Society of America Annual Meeting**, Indianapolis, Indiana. More information: <http://community.geosociety.org/gsa2018/home>.

**November 7-9, 2018 - Hot Springs Connection**, Glenwood Springs, Colorado. More information: <https://www.hotspingsconnection.com/>.

**November 21-22, 2018 - Global Geothermal Energy Summit**, Amsterdam, The Netherlands. More information: <https://www.wplgroup.com/aci/event/global-geothermal-energy-summit/>.

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