



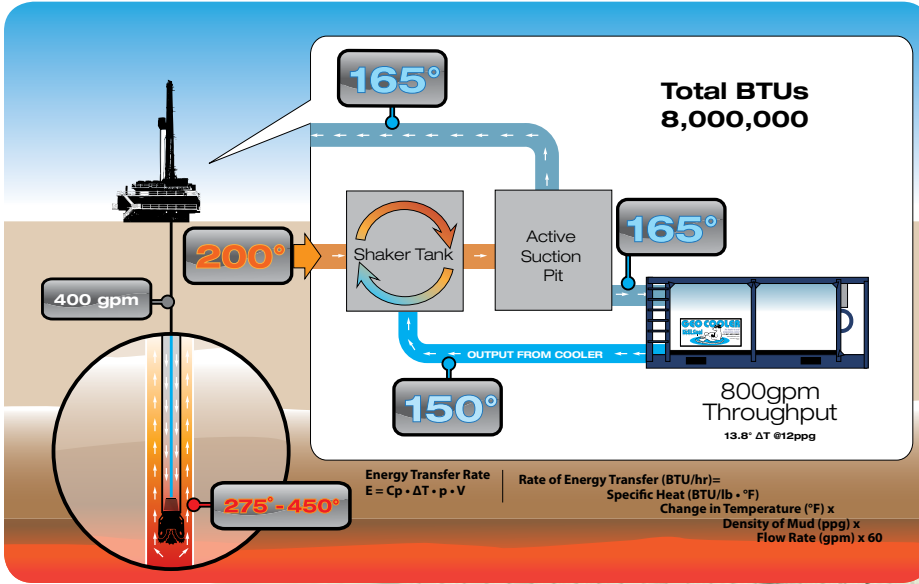
Drill Cool
SYSTEMS, INC

The leader in well
temperature control.



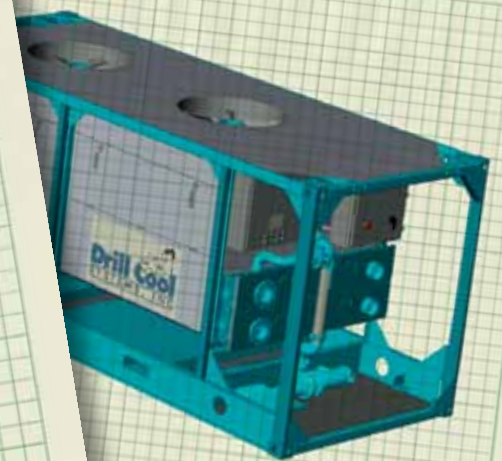
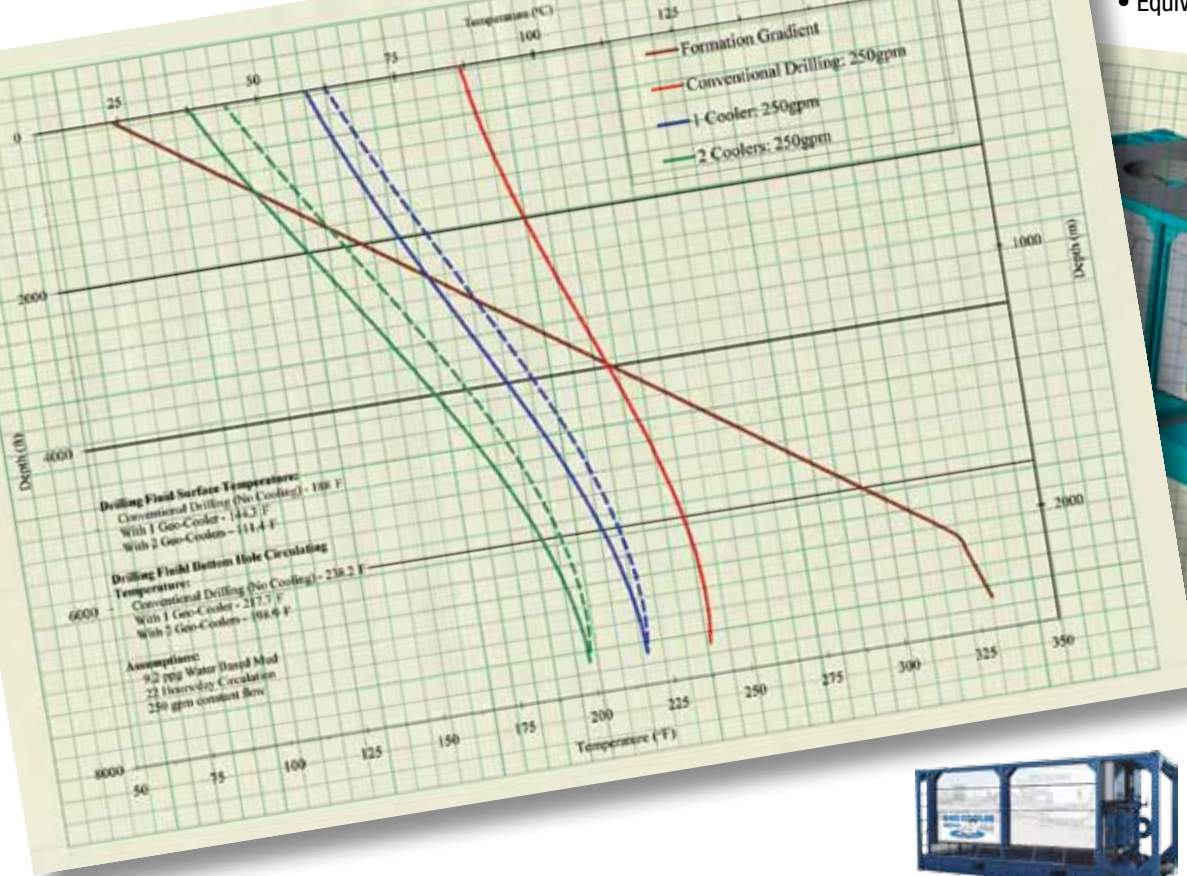
STAY COOL

Stay cool while drilling deeper with the high-flow Drill Cool mud coolers!



Benefits of Managing Surface Temperature

- Decreased Rig Downtime
- Increased Safety to Rig Personnel
1st degree burns can occur on exposed skin after just a few seconds of contact with fluids in excess of 140° F (>60° C)
- Reduce Mean Time Between Failures of Surface Equipment
Elastomer Components - BOP
Pump Expendables
Seals
Fluids exceeding 180°F (>82°C)
- Reduced Corrosion
- Lower Drilling Fluid Maintenance Costs
- Equivalent Circulating Density (ECD) Management



Freshwater Geo-Cooler

Dimensions	8'6" H x 8' W x 20' L
Weight	22,000 lbs.
Electrical System	480 volts, 3 phase, 100 amp
Fan System	2 fans per unit
Mud System	flow rate, 900 gpm
Water System (total)	flow rate, 500 gpm
Water Reservoir System	capacity, 750 gallons
Water Requirements	6 gpm

Benefits of Managing Down Hole Wellbore Temperatures

- Pore Pressure & Fracture Gradient Control
- ECD Management
- Improve Downhole Tool Operation & Life
MWD, LWD, Mud Motors, etc. above 250°F (>120°C)
- Improve Bit Life
- Reduce Corrosion
- Improve Cement Quality
- Improve Mud Pulse Quality
- Increase the Transportation of Cuttings



Seawater FX Geo Cooler

Dimension	7'-5" H x 7'-8" W x 12' L
Weight	30,000 lbs. shipping
Electrical System	480 volts, 3 phase, 60 amp
Sea Water	800 to 1000 gpm @ 50 psi
Mud System	800 to 1000 gpm @ 50 psi



Chiller

Dimensions	10' H x 9' W x 45' L
Weight	45,000 lbs.
Electrical System	480 volts, 3 phase, 800 amp
Mud System	flow rate, 900 gpm
Water System (total)	flow rate, 600 gpm

The *original* mud cooler!

“The mud gathering areas, i.e. Shaker House, Mud Pit Room, Mud Pump room and of course one of the most important areas being MI’s Mud Lab which is located in the Mud Pump Room, these areas were virtual “HOT SPOTS!”

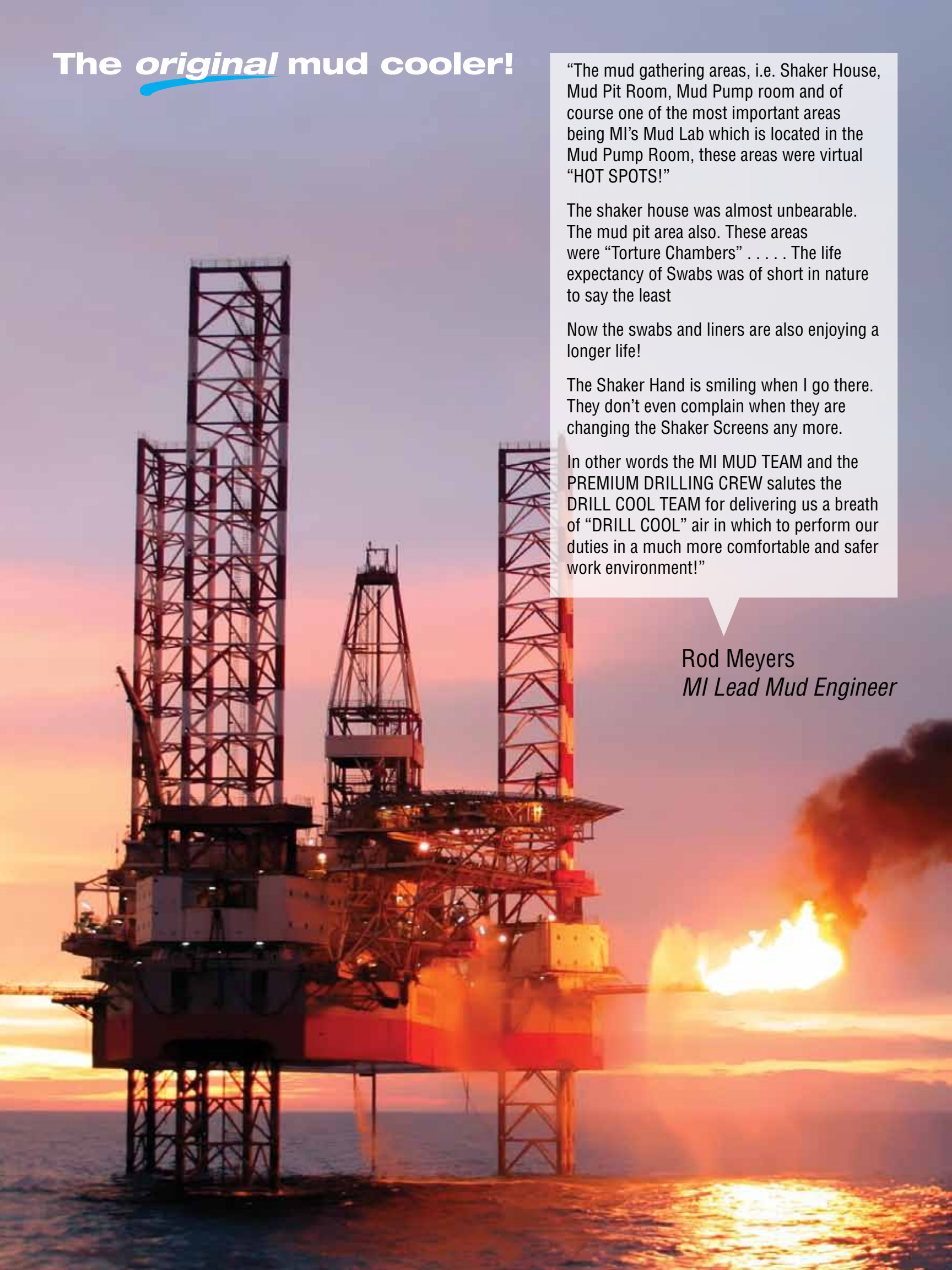
The shaker house was almost unbearable. The mud pit area also. These areas were “Torture Chambers” The life expectancy of Swabs was of short in nature to say the least

Now the swabs and liners are also enjoying a longer life!

The Shaker Hand is smiling when I go there. They don’t even complain when they are changing the Shaker Screens any more.

In other words the MI MUD TEAM and the PREMIUM DRILLING CREW salutes the DRILL COOL TEAM for delivering us a breath of “DRILL COOL” air in which to perform our duties in a much more comfortable and safer work environment!”

Rod Meyers
MI Lead Mud Engineer

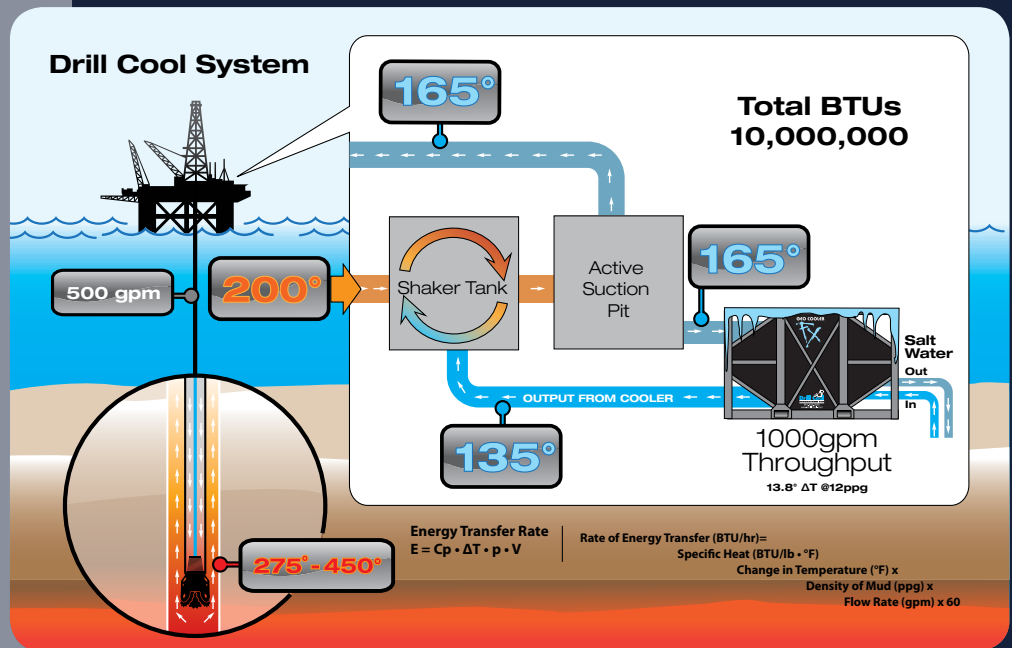


Cool your offshore drilling with the Drill Cool FX unit

Designed for economical, trouble-free operation, effective temperature reduction, and superior solids handling the FX Seawater Geo-Cooler is ideally suited for your offshore drilling needs. These units provide and maintain superior flow up to 1,200 GPM while in operation. FX units are designed for heavy drilling mud and not to foul. This means that the mud flow and seawater flow do not decline over time. Maintaining maximum flow is critical to the cooling cycle!

The FX Seawater Geo-Cooler is easy to install, operate and maintain. It is designed to meet the following application requirements:

- Capable of flows up to 1200 gpm
- System Temperatures to 220°F (104°C)
- Pressures to 100 psi (7 bar)
- Solids to ¾" (19 mm) Diameter



Our Mission and Expertise

Drill Cool Systems, Inc has been the original manufacturer of Mud Coolers also known as Geo-Coolers for over 30 years and offers the best Mud Cooling Systems worldwide and has focused on controlling wellbore temperatures through the cooling of drilling fluid at the surface. Drill Cool provides unique solutions for controlling the temperature of drilling fluids for oil, gas and geothermal operations though out the world.



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