

Cyclone and SWOSU Working Together on New Oil Field Pump

02.03.2010

Among those working on a new Cyclone Production Tools pump include (from left): David Lewis, product development and marketing director of Cyclone; SWOSU student intern Justin Welcher of Shawnee; Cyclone CEO and President Larry Perry; and Brad Bryant, Chair of the SWOSU Department of Industrial & Engineering Technology.

Cyclone Production Tools of Chickasha recently received a United States Department of Energy grant to partner with Southwestern Oklahoma State University in Weatherford to research the effectiveness of a new production pump in the oil field.

Cyclone has developed a variety of down hole production tools for the oil and gas industry and enlisted the assistance of SWOSU's Department of Industrial and Engineering Technology. The team is researching the effectiveness, energy efficiency, environmental, and aesthetic qualities of a new down-hole hydraulic pump that is designed for horizontal and marginal wells as compared to traditional rod pumping systems.

The grant is part of the National Stripper Well Consortium.

"Horizontal drilling is on the rise, and the industry needs a solution for pumping and de-watering the horizontal legs of these wells" said David Lewis, product development and marketing director for Cyclone.

The ability to de-water horizontal wells is only half the battle, according to Lewis. The industry also needs technologies that are cost-effective and can keep marginal wells operating economically.

"We are excited about the potential and believe we are positioned well within the market here in Oklahoma," Lewis said.

According to James Revard and Rick Torix of the Marginal Well Commission of Oklahoma, nearly 65 percent of Oklahoma's oil production is derived from marginal wells. This represents nearly 61 million barrels of oil the United States would otherwise have to import each year.

Larry Perry, president and chief executive officer of Cyclone, said Cyclone is an Oklahoma-based company that is especially proud to work with the team from SWOSU. The relationship between the two provides a "real world" opportunity for Justin Welcher, a SWOSU senior engineering technology student from Shawnee, to work on a new technology with energy industry professionals.

"We are extremely pleased about this opportunity to work with Cyclone Production Tools and learn more about energy industry challenges in our region," said Brad Bryant, chair of the SWOSU Department of Industrial & Engineering Technology. "It's a great opportunity for our students and the department."