USTAR

RODMAX OIL & GAS

RODMAX OIL & GAS INC

Problem: Classic rod-pumping artificial lift technology has made equipment and wells susceptible to damage and inefficiency, resulting in lost oil production and costly repairs

About RodMax Oil & Gas, Inc.

- Founded October 2014
- Located on Mountain States Steel, Inc. property in Lindon, UT
- Holder of three granted patents with two in pending status
- Full size demonstration rod-pumped well simulation unit on site

Programs Critical To RodMax's Success

USTAR Grant Awardee

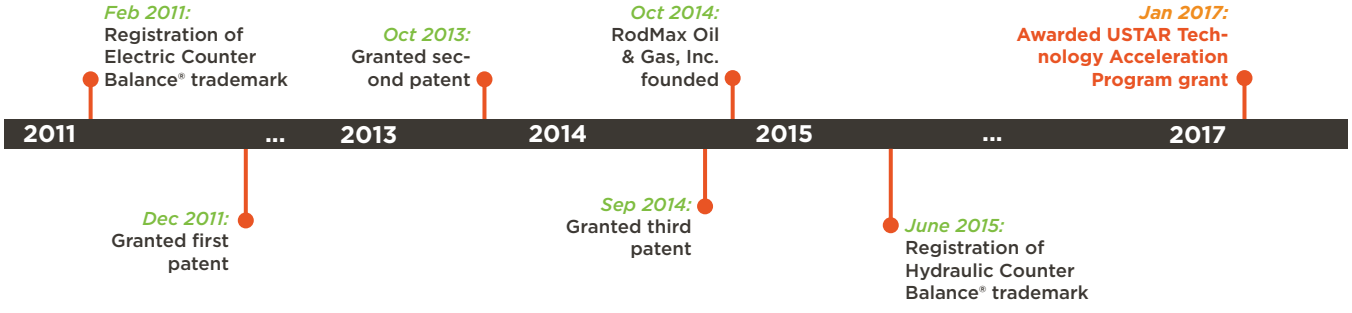
- Awarded a $375,000 grant through USTAR's competitive Technology Acceleration Program
- Enabled the development of a field beta surface unit

Mountain States Steel, Inc.

- 27 acres of heavy steel fabrication with transportation (rail & truck) services on site
- Partnership provided RodMax a base of operations and additional private capital to build demo unit on site in Lindon, UT

Brigham Young University (BYU)

- Research led by John Hedengren, Ph.D., provides simulations on reservoir production enhancements for the longevity of producing enhanced oil recovery fields using RodMax's innovative technologies



USTAR supports the success of Utah technology companies, entrepreneurs and researchers by contributing to the state's innovation ecosystem through competitive grant programs, an incubation enterprise, and mentoring and training programs.

RodMax's innovative rod-pumping artificial lift surface units utilize autonomous self-aware technology maximizing hydrocarbon well production while lowering total well operating costs. The company was founded in October 2014 and has obtained three patents already with two more in pending status. A full size well simulator is located onsite of their headquarters and manufacturing partner's facility, Mountain States Steel, Inc. in Lindon, Utah.

Rod-pumping is hundreds of years old, and still the majority method of operation for land based oil and gas wells today. RodMax has modernized a cumbersome pumping method called Central Powers by adding autonomous control methodology, an innovation which lowers the cost of operations and reduces environmental impacts.

RodMax surface units will arrive at the well location fully assembled, pre-wired, full of fluid and ready to pump. The company's design innovations reduce total manpower required for setup with increased safety by keeping humans on the ground. RodMax's patented technology promotes well production, reduces total cost of operations and provides real time down-hole pumping as never before.

RodMax has partnered with a research team at Brigham Young University, led by John Hedengren, Ph.D., to run simulations on reservoir production enhancements. This research is contributing to the prolonged life of producing enhanced oil recovery fields. RodMax surface units learn and self-adjust the polished rod lifting and lowering movements based on previous pump fillage and leakage load factors. These innovations reduce stress, strain and well damage while optimizing total electric energy usage over the entire electrified field.

At the start of 2017, RodMax was awarded $375,000 in funding through USTAR's competitive Technology Acceleration Program (TAP), aiding to commercialization. The grant enabled RodMax Oil & Gas, Inc. to build their field beta surface unit, fully tested on their well simulator, then installed on an actual rod-pumped-well site for third party verification. The artificial lift market is estimated at $15 billion worldwide, and RodMax has already attracted the attention of major oil and gas companies as future customers.