

Single AFFIRMED PowerFit motor provided horsepower required for customer's 1,500 BPD production target, mitigated potential reliability issues

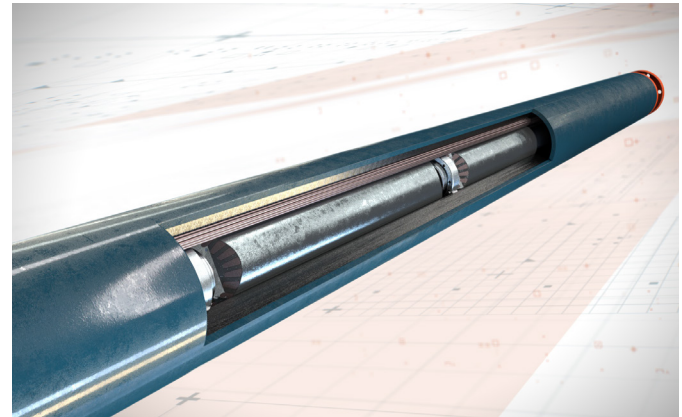
CASE HISTORY

CHALLENGES

- ▶ Well completed with 5 1/2-in., 23 lb casing to mitigate damage from frac forces in adjacent wells and lateral forces of the formation
- ▶ Operator initially produced the well with a triple-tandem 3.75-in. ESP motor set at >10,500 ft, but was unable to achieve the 183 HP required to reach target production

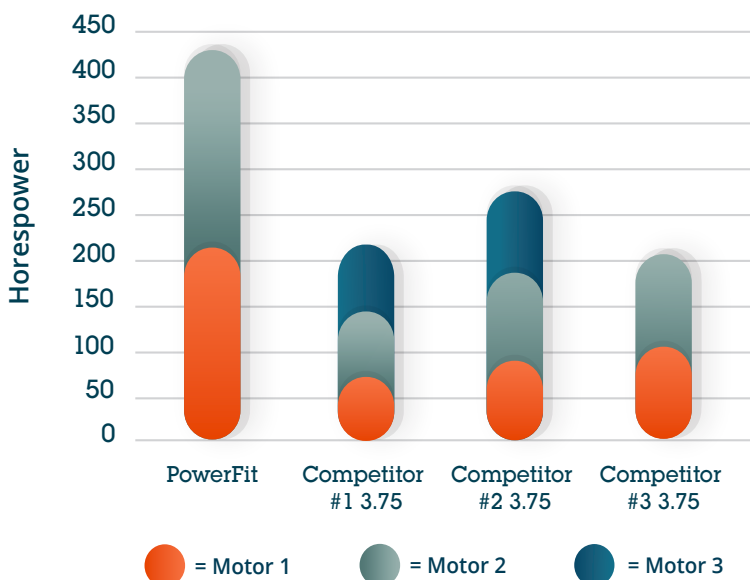
SOLUTIONS

- ▶ For the second ESP install, Apergy provided:
 - A single 208 HP AFFIRMED™ PowerFit motor
 - GRINDSTONE™ abrasion resistant pumps
 - Charge pump with a high-strength shaft to improve gas handling
 - Tandem WHIRLAWAY™ gas separator
- ▶ LOOKOUT™ monitoring service to optimize the ESP system



The AFFIRMED PowerFit motor is specifically designed to fit small-diameter wells and deliver 208 HP per motor

AFFIRMED POWERFIT MOTOR HP VS. COMPETITORS



RESULTS

- ▶ Single AFFIRMED PowerFit motor delivered more than 183 HP, allowing customer to meet 1,500 BFPD production target
- ▶ Improved reliability and customer's damaged equipment exposure by reducing the number of components in the well vs. a triple-tandem 3.75-in. motor
- ▶ Reduced installation time vs. a 3.75-in. triple-tandem motor
- ▶ Optimized fluid velocity at 4 ft per second at 1,500 BFPD with clearance of .47-in. drift
- ▶ Eliminated need for intermediate ESP installation as production rate declined
 - AFFIRMED PowerFit motor HP rating allows for the use of pumps with a wider operating range, eliminating one install



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