

SWAT® Well Assistance and Troubleshooting Services

YOUR GATEWAY TO THE EXPERTS FOR ELECTRIC SUBMERSIBLE PUMP CHALLENGES

OVERVIEW

Summit ESP® – A Halliburton Service offers well assistance and trouble-shooting (SWAT®) services for your electric submersible pump (ESP) systems. With SWAT services, you not only have ESP experts, but also a team of 24/7 surveillance application engineers, knowledgeable localized engineers, and field-service specialists.

Our surveillance team continuously monitors production from our state-of-the-art monitoring center, where we have access to a complete 360° view of every well's operational information, downhole equipment, application design, and field-service history.

SWAT services are designed to provide lightning-fast responses and analyses to:

- » Understand each well's operational conditions
- » Identify all potential causes of a well's problems
- » Offer potential solutions and immediate recommendations to minimize downtime and reduce nonproductive time.

CASE STUDY – MITIGATING PREMATURE FAILURE

Operators in Alaska face harsh climate and operating challenges. Ensuring optimal production and proactively managing problems are critical for profitability.

A major operator in this area relies on the SWAT services team to monitor operations, identify potential issues, and offer solutions and immediate recommendations to minimize downtime and delayed production. Recently, SWAT services engineers notified the operator when they observed an increase in motor temperature during steady-state operations. With intake temperature unchanged over the same time period, scale or some form of debris was suspected as causing an insulating factor on the motor.

The customer performed a squeeze to prevent more scale buildup, and the temperature dropped 15°F (-9.44°C) while pump intake pressure was reduced. Had temperatures continued to climb, this would have caused fatigue in the motor's electrical components, leading to premature failure. With ESP workover costs as high as \$1 million (not including deferred production), the SWAT services team is adding significant value to the customer's bottom line.



For more information, contact your local Halliburton representative
or visit us on the web at www.halliburton.com/summitesp

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