

CASE STUDY: Jet Pump System

Prevails in Cold Climate

Challenge

An operator in North Dakota installed a sucker rod system in the winter to produce a deep well (10,000 ft.) that had high gas-to-oil ratios (GOR).

Shortly after installation, however, the operator experienced the following challenges:

- Reduced production
- High fluid levels
- Rod failures

Solution

Apergy – Hydraulic Lift installed an enclosed jet pump system that included:

- A 200HP surface pump and vessel
- Subsurface equipment consisting of a bottom hole assembly, a jet pump, a retriever, and a standing valve
- Oil was used as power fluid

Results

- Production increased by 20%
- Fluid levels stabilized with the consistent performance of the jet pump system
- Workover rig costs eliminated from the reverse-flow removal process of the jet pump
- Downtime significantly reduced

For more information on Jet Pump Systems, visit www.apergy.com

