SROD and DIAG are the industry leaders for rod pumping design and analysis software. Lufkin Automation has now released the deviated versions of these programs to accompany the vertical version. Both deviated and vertical wells are now in one program, and new features have been included to improve the user interface. Decades of experience in providing well analysis as a service to producers are incorporated into the design and diagnostic software programs that Lufkin Automation has developed for rod pumping systems.

SROD is the design and predictive program, and DIAG is the analysis program. These programs handle deviated wellbores, which are critical to design and analysis since most wells do not have perfectly vertical wellbores. A deviated well with rod-tubing drag and downhole friction problems can cause severe equipment wear, overloading, out of balance, power loss and rod buckling. SROD and DIAG have the superior mathematical models to correctly identify and solve these problems. Combining the design and predictive power of SROD with the accurate diagnostic capabilities of DIAG provides the operator with the ultimate solution for designing new installations and optimizing existing wells.
Advanced Options are at Your Fingertips

Features & Benefits

**SROD**
- System design and optimization
- 3D deviated views
- Rod guide placement
- Electrical analysis
- Inertia effects on reducer torque
- Case sensitivity analysis
- Pump capacity calculation
- Shallow well big bore pump

**DIAG**
- Troubleshoot and analyze
- Measure surface dynagraph
- Multiple dynagraph formats accepted
- 3D plots for deviated wells
- Downhole pump card
- Pumping efficiency and production potential analysis
- Infer pump leakage
- Infer PIP and fluid level

**Both**
- 32-bit Windows® operating system
- Stand-alone or network
- Deviated and vertical wells
- Single, comprehensive or tailored reports
- Equipment database with rods, motors and pumping units
- Input database for well files
- Equipment loading reduces torque and rod stress calculation
- Counterweight placement

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