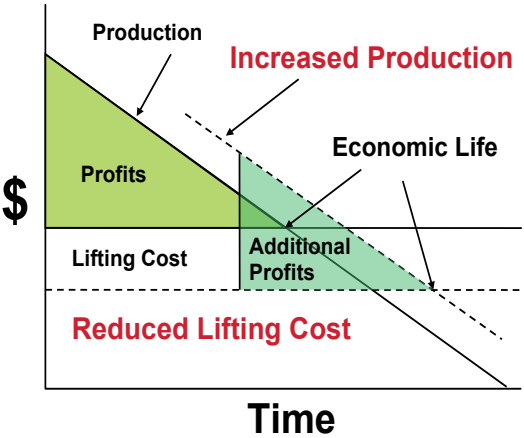


LUFKIN WELL MANAGER™

Rod Pump Controller

LUFKIN WELL MANAGER (LWM), the rod pump controller from Lufkin Automation, combines the technologies of Delta-X and Nabla. LWM is much more than just a pump-off controller. It can control from downhole card, surface card or motor power. LWM's powerful, patented technology calculates a downhole card on every stroke of the pumping unit, utilizing the complex mathematical computations found in DIAG™ software. Its flash memory delivers quick upgrades without changing components. An added expansion bus allows the unit to grow with your requirements, from additional I/O to communication ports. Its patented algorithms accurately control and analyze your rod pumping system, making it the leader in rod pump control and total well management.

Increased Profitability with LWM



- Industry Leader Provides:**
- ✓ Increased Production and Revenue
 - ✓ Lower Lifting Costs
 - ✓ Accurate End Devices and Data
 - ✓ Proven Downhole Pump Control





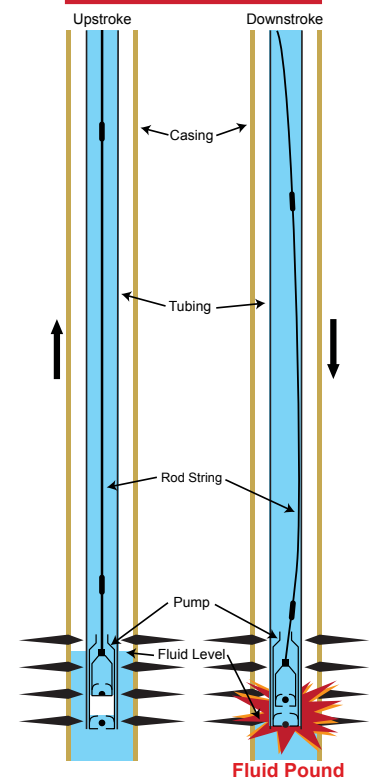
Features & Benefits

- Downhole, surface or motor power control
- LWM Well Test
- Automatic downtime determination
- Peak energy management
- Peak and minimum load protection
- Fluid load alarm
- PRHP alarm
- Belt slippage alarm
- Time-stamped events
- 60-day plots
- Saves start, pump-up and shutdown cards
- Valve checks
- Rodometer and pumpometer
- Rod and pumping unit database
- AGA 3 and NX 19 option
- VSD control option
- Flash memory
- Multiple port connections
- Backlit high-resolution LCD
- Temperature range -20 °C to +60 °C
- Pluggable connectors
- Input power 120 V AC/ 240 V AC 60 Hz/50 Hz
- NEMA 4X enclosure
- Surface-mounted electronics
- MODBUS protocol with added features
- RPC I/O dedicated
- Two isolated analogs (load/position)
- Two pulse inputs (crank/rpm)
- Four digital outputs
- User I/O Four digital input/outputs
- Expansion bus and I/O
- Isolated analog inputs
- Programmable logic expressions for I/O
- Supports load cell and beam transducer
- Supports hall effect, inclinometer and switch



Rod Pump Control System

Conditions without LWM



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