

Unico LRP® Linear Rod Pump Feature



Value Unico Pump Clean™ mode freed a stuck valve with minimal expense and downtime.

Situation The pump was producing 20 BPD with normal valve action prior to 10/23/12, at which time the travelling valve became stuck open and the fluid flow stopped. In an attempt to solve the problem, the operator varied the pumping speed (both plus and minus), without success.

The patent pending Pump Clean™ algorithm was installed on the LRP® system. Charts and timeline were available remotely via Unico's GMC® monitoring system.



Background

Sucker rod pumps occasionally encounter solid particles of debris or “trash” during operation. Oftentimes these solids harmlessly pass through the pump. Other times the debris will cause the pump plunger to stick or the traveling and/or standing valves to not seat properly, causing the pump to malfunction.

Occasionally the debris will dislodge or clear as a result of normal operation, with no intervention required. Other times it is necessary to flush the pump, or possibly even pull the pump. Some operators may attempt to “bump down,” where the pump and rod string are dropped from a short distance in an attempt to dislodge the debris through the shock of the pump plunger striking bottom.

Pump Clean™ Mode

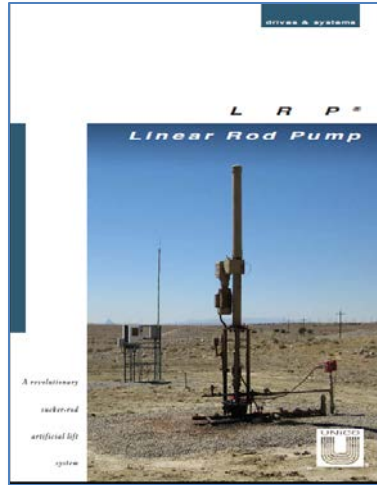
LRP® System Feature by Unico®

Conclusion

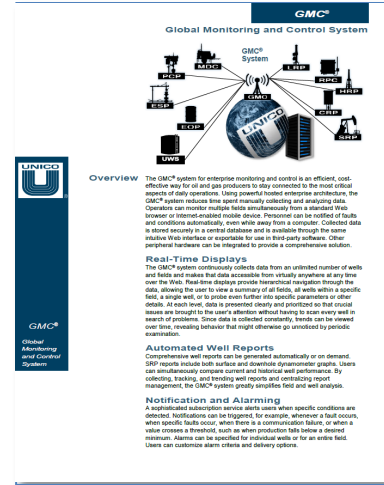
- Avoid Costly and Time Consuming Well Service
- Completes Pump Clean™ Cycle in Minutes
- With Unico GMC® Reporting, See Results Immediately
- No Additional Hardware Required
- For Use with Unico LRP® Linear Rod Pump Systems
- Can be Programmed to Run As Scheduled Maintenance

Additional Information

For more information, see the following brochures:



[LRP®
Linear Rod Pump](#)



[GMC®
Global Monitoring and Control System](#)

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Unico is a leading global innovator of motion-control solutions for industry. Founded in 1967, the company develops, manufactures, and services variable-speed drives, application-engineered drive products, integrated drive systems, and ancillary products that improve operations by increasing productivity, safety, and equipment life while lowering energy and maintenance costs.

Pump Clean™ Mode

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Specifications subject to change without notice.

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