

Coalbed Methane PCP Monitoring

Expro provides a range of products and services to optimise PCP lift performance, and extend operating life, minimising any unplanned workovers.

Our permanent downhole gauge systems supply you with the bottomhole pressure and PCP performance parameters. Expro's field technicians ensure the system is deployed and commissioned successfully. Post-commissioning, Expro can provide real-time production optimisation services.

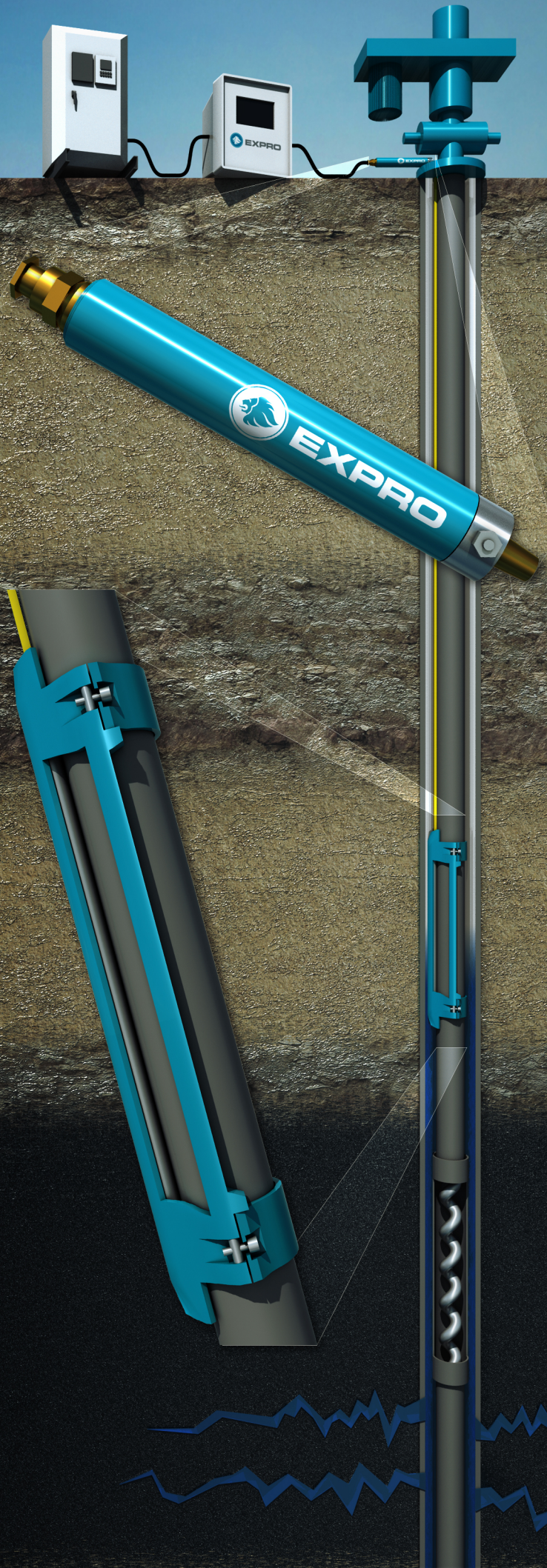
Entry level systems provide real-time measurement of pump intake pressure and temperature, providing an insight into drawdown pressure and fluid level in CBM applications. Additional sensors can be added to provide discharge pressure and temperature in addition to pump X and Y axis vibration.

Monitoring systems can operate standalone logging, and display data at the well site and/or remotely to customer offices. Alternatively, they can be integrated into the PCP control system to facilitate automated pump control.

The pressure/temperature gauge can be clamped onto the existing tubing string, or where required, within a dedicated mandrel. A tubing encased cable ensures metal to metal sealing, providing essential longevity in aggressive subsurface environments. Data acquisition systems are intuitive and user configurable to ensure constant visibility on high value subsurface PCP components.

Features and benefits:

- Ex d wellhead and topside equipment
- Low profile sensors
- Configurable multi-sensor architecture
- High data rates
- Draw down monitoring
- Avoidance of: pump overheating, vibration, wear; and dead heading
- Rapid installation



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