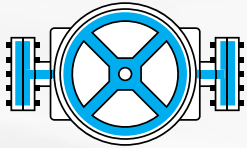


DOWNHOLE MONITORING SYSTEM: P-SERIES GAUGES



GAS LIFT



SRP



PCP



KEY BENEFITS

- Life of Well Solution
- Real Time Pressure & Temperature
- Enable Automated Decisions using measurements, not assumptions or Calculations.
- Install on Clamp or Carrier
- Economic, Multi-Well Solution
- Increases Run Life of Equipment
- Frac and Injection Well Monitoring and Optimization
- Determine Optimal Flow Rates
- Evaluate Wellbore Interference
- Run Pressure Transient Analysis Testing

SYSTEM SPECIFICATIONS

| | | | |
|------------------------------------|----------------------|---------------------------|--|
| PRESSURE RANGE INTAKE/DISCHARGE | 0-10 KPSI | VIBRATION RESOLUTION | 0.055G |
| PRESSURE ACCURACY | ±.05% FS typ. | SAMPLE RATE | 1 SECOND |
| PRESSURE RESOLUTION | .01 PSI typ. | TYPICAL DATA CAPACITY | 2 YEARS, SAMPLING EVERY 30 SEC. |
| MAX TEMPERATURE | 150°C / 302°F | CONTROLLER INTEGRATION | RS-485, RS- 232, 4-20mA, Ethernet |
| TEMPERATURE ACCURACY | ±0.3°C | INSTALLATION | ON OR THRU TUBING |
| TEMPERATURE RESOLUTION | .01°C | | |
| VIBRATION | 0-18G | | |
| VIBRATION ACCURACY | ±1% | | |

PROBLEMS

Premature Equipment Failure

Inability to Accurately Detect Well to Well Communication

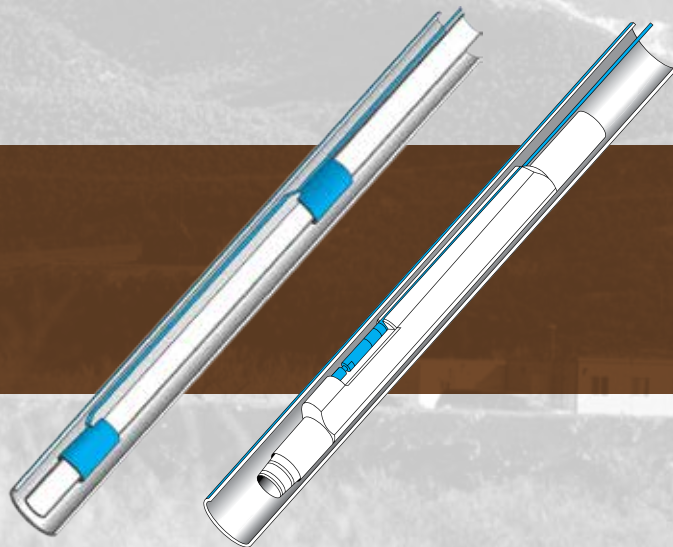
Loss of productivity due to unoptimized production

Lack of Knowledge of Downhole Conditions

Inability to Monitor Changing Well Conditions

SOLUTIONS

- ✓ Prolong Equipment Run Life
- ✓ Increase Productivity Through Improved Optimization
- ✓ Monitor Downhole Conditions and Changes
- ✓ Monitor Well to Well Communication



RESULTS IMPROVING ECONOMICS BY EMPOWERING OPTIMIZATION

↑ RUNTIME

↑ PRODUCTION

↓ COSTS