

Gas-Lift Surveillance

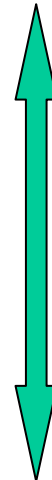
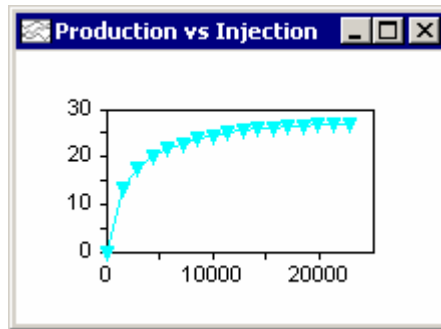
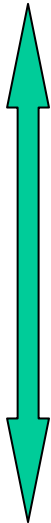
A Process for Effective Optimization

People (Team)

- Engineers
- Technicians
- Well Analysts
- Operators
- Well Servicing
- Others

Processes

- Work processes that support the team
- Training
 - Up-to-date, on site**
 - Classroom
 - One-on-One
 - On-Line



Information

- Reservoir
- Well
- Surface facilities
- Economics
- Real-time
- Others

Tools (Effective)

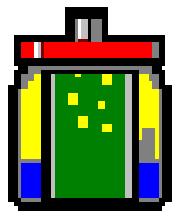
- Gas-lift design
- Analysis
- Optimization
- Quality assurance
- Real-time
- Others



WinGLUE

Gas-Lift Surveillance Program - Strengths

- **SQL database support.**
- **Robust gas-lift design capability using time-proven design approaches.**
- **Incorporation of VPC gas-lift valve models, including the choked unloading valve model for VPC members.**
- **Link available to the new gas-lift valve, automatic validation tester (GLV-AVT).**
- **Extensive gas-lift analysis capability.**
- **Excellent gas-lift optimization capability.**
- **Dynamic gas-lift simulator.**
- **Complete bottom-hole pressure survey sub-system.**
- **Links available to SCADA and other software systems**
- **Available for Windows 98, Windows NT, Windows 2000, Windows XP.**
- **Has an excellent, on-line tutorial.**
- **Backed by continuing R&D.**
- **Strong software support.**



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