2021 Gas Lift Workshop - Virtual Course

June 7-8, 2021, Unconventional Gas Lift

Virtual Class – June 7-8th 8AM -4PM Course Outline

Day 1

1. **Introduction**
2. **Well Design**
2.1. **Life of well production profiles**
2.2. **Flowback strategies**
2.2.1. **First lift - unloading issues**
2.2.2. **Lift revisions over time**
2.2.3. **Late life production options (IGL, PAGL/GAPL, plunger lift, SRP)**
2.3. **Well geometry issues**
2.4 **Frack hit strategies and reservoir considerations including water cut, draw down, and parent child-effect.**
2.5. **Questions to ask Vendors/internal support staff.**
3. **Tubular and Trajectory design considerations**
3.1 **Single well, group or pad designs**
3.2. **Gas injection rate requirements**
3.3. **Production rate potential**
3.4. **Questions to ask Vendors/internal support staff.**
4. **Downhole equipment design concepts**
4.1. **Well design options using side-pocket mandrel (SPM), conventional gas lift equipment or HP/SPGL**
4.2. **Annular verses tubing production options**
4.3. **Operational environmental effects on downhole equipment including gas quality.**
4.4. **Questions to ask Vendors/internal support staff.**
4.4. **Equipment standards and reliability**
4.6. **Equipment throughput testing and how this affects operations**
4.7. **Equipment testing to system design parameters and how this affects operations**
VPC - API throughput testing
4.8. **Questions to ask Vendors/internal support staff.**

For more information or to nominate papers, exhibits, etc., contact:

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Or go to www.alrdc.com and navigate to the 2021 Gas Lift Workshop

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Day 2

5. Injection gas requirements
5.1. Surface injection pressure options
5.2. Gas quality impact
5.3. Injection rate requirements
5.4. Questions to ask Vendors/internal support staff.
6. Surface facilities design concepts
6.1. Closed rotative gas lift gas distribution system
6.2. Pad, comingled, or single well compressor systems
6.3. Gas quality impact on surface facilities
6.4. Effects of zero tolerance for venting or flaring of natural gas
6.5. Equipment reliability
6.6. System backpressure - Blow cases
6.7. Well testing / flow measurement
6.8. Questions to ask Vendors/internal support staff.
7. Flow assurance issues
7.1. Hydrates
7.2. Sand
7.3. Paraffin/Wax
7.4. Scale
7.5. Terrain-induced slugging
7.7 Questions to ask Vendors/internal support staff.
8. Optimization and trouble shooting
8.1. Surveillance techniques
8.2. Trouble shoot gas lift valve inefficiencies using trend data, pressure gradient profile, CO2 tracer, fluid level (Echometer), among other tests
8.3. Questions to ask Vendors/internal support staff.

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