Facilities, Compression and Gas Lift Breakout Session

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Compression/Facilities

• Lesson learned - critical rate is the critical item, for compression, facilities, gas lift, etc.

• How to deal with recycle conditions on compressor in winter?  More flexibility in set up – use horsepower to lower pressure if possible

• Which option should you choose, lower surface pressure from 200 to 50 or install gas?  Economics dictate every decision but in almost all cases it is preferable to lower pressure (keep well in flowing mode) and then go to artificial lift
Gas Lift

- Classic gas lift - gradient modification
- Gas well gas lift - velocity modification
- Gas Lift can be very effective for long perf. intervals

- Installations to bring on after a frac vs avoid liquid loading will be substantially different

- Where to put mandrel on gas wells?
  Depends on standing fluid level and how long well shut in plus surface pressure but need mandrel down to just above packer
Gas Lift

• Packers add stability, control

• Chemical injection through gas lift valves causing dehydrated product from dehy’d gas

  use cap string

  – Failure of cap strings with apparently correct metallurgy? Make sure back pressure valve working and pulling to maintain, alarm on pressure

• Automation of gas lift, auto shut in and bringing on wells is a best practice