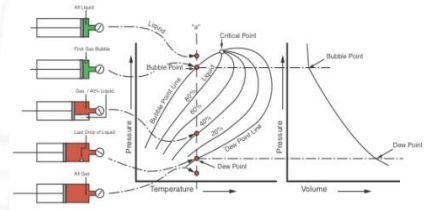


RESERVOIR ENGINEERING

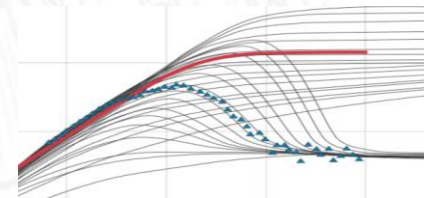
✓ PVT analysis



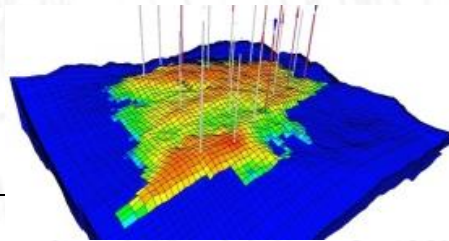
✓ Well Flow Analysis

• Decline Curve Analysis

✓ DST's [Transient Flow Analysis]



✓ Dynamic Flow Simulation



- Black Oil
- Compositional
- Retrograde Condensate
- Fractured Reservoirs (Dual porosity simulation)

✓ Upscaling

- Maintain Dynamic Coherence between Fine & Coarse Grid models

✓ Well & Recovery Optimization

- Gas lift Optimization
- Water Injection/Flooding

✓ History Matching

- Historical Production Analysis

✓ Production Forecast

✓ MDT & Pressure Gradient Analysis

✓ Recoverable Resources Estimates

✓ Reserves Exercise

- 1P / 2P / 3P Estimates

✓ Reservoir Management

- Well/ Field Performance Tracking
- Choke sizes etc.
- Life of Field Sheets

✓ Economics

- Capex and Opex estimation
- Royalties & Fiscal system
- Varying Oil Price Scenarios
- Cashflow modelling
- NPV's, IRR's etc.

✓ Integration with Geology, Geophysics, Petrophysics, Production Technology & Drilling

