Top Hat Flow Lower Limit

Flow Out Skirt Always Positive
- Prevents fouling with hydrates
- Establishes absolute limit on internal pressure
- Flow out vents >18,000 bopd with lower pressure
- Assuming lower pressure drop than actual = lower rates

Calculating Lower Limit
- Assume flow out skirt = 0
- Account for collection ~25,000 bopd near last day
- **Lower bound = 43,000 bopd**

Flow decreasing with time
- Last day of Top Hat can be lower bound on flow for all days