

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

