

To illustrate the influence of surface process "path" on ultimate stock-tank oil volume, one can consider an example using an initial volume of 100 barrels of reservoir fluid at the initial reservoir conditions (11850 psia and 243 °F). The stock tank oil volumes in this example are EOS calculated values *for an average for the four fluids*. The resulting stock-tank barrels of oil associated with each process is as follows:

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|---|--------------|
| 1. Single Stage Flash: | 43.3 barrels |
| 2. Oceanic Separator ($T_{\text{exit}}=210^{\circ}$): | 46.7 barrels |
| 3. Oceanic Separator ($T_{\text{exit}}=130^{\circ}$): | 48.0 barrels |
| 4. 4-Stage Separator: | 47.9 barrels |

As seen above with the oceanic process, the volume of stock-tank oil depends on the assumed temperature of the fluid at its exit point on the seabed (" T_{exit} ").