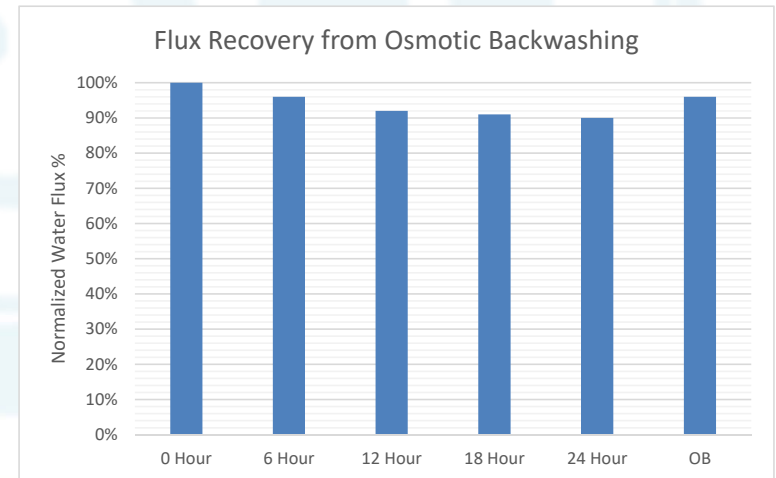


# Case Study: Oil & Gas Waste Waters Reuse

- Remove scaling salts and hydrocarbons
- Reduce pretreatment to lower CAPEX and OPEX, no need chemical flocculation, dissolved air floatation, electro-coagulation, chemical softening, and ultra-filtration
- OsmoF<sub>2</sub>O™ membranes allow the fouling hydrocarbons and precipitating salts to scale and form without attaching to the membranes
- Only pretreatment is pH adjustment to 6 and 100 micron disk filtration

<b>Capacity:</b>	<b>Piloting</b>
<b>Feed TDS:</b>	<b>approximately 24,000 ppm</b>
<b>Concentrate TDS:</b>	<b>up to 100,000 ppm</b>
<b>Recovery Rate:</b>	<b>75%</b>
<b>Permeate TDS:</b>	<b>&lt; 100 ppm.</b>
<b>Pretreatment:</b>	<b>100 micron bag filter and pH adjustment to 6.0</b>
<b>Cleaning Period:</b>	<b>daily osmotic backwash</b>



*Shows non-fouling property of the OsmoBC™ FO. The flux is recovered by 95% after osmotic backwashing.*