Ice−Water phase boundary

METHANE GAS+ ICE

METHANE GAS+ WATER

1 0 5 0 1 0 0 5 0 0 1 0 0 0 5 0 0 0 1 0 0 0 0

−10 0 10 20 30 40

METHANE HYDRATE+ ICE+ WATER

+NaCl, N₂ +CO₂, C₂H₆, H₂S, C₃H₈

Hydrate−GAS phase boundary

METHANE HYDRATE+ WATER+ GAS

DEPTH (METERS)

PRESSURE (ATM)

TEMPERATURE (°C)