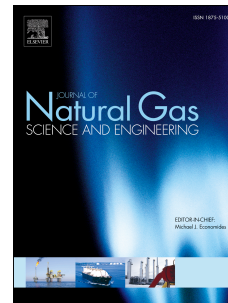


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A Transient Simulation Model to Predict Hydrate Formation Rate in both Oil- and Water-Dominated Systems in Pipelines

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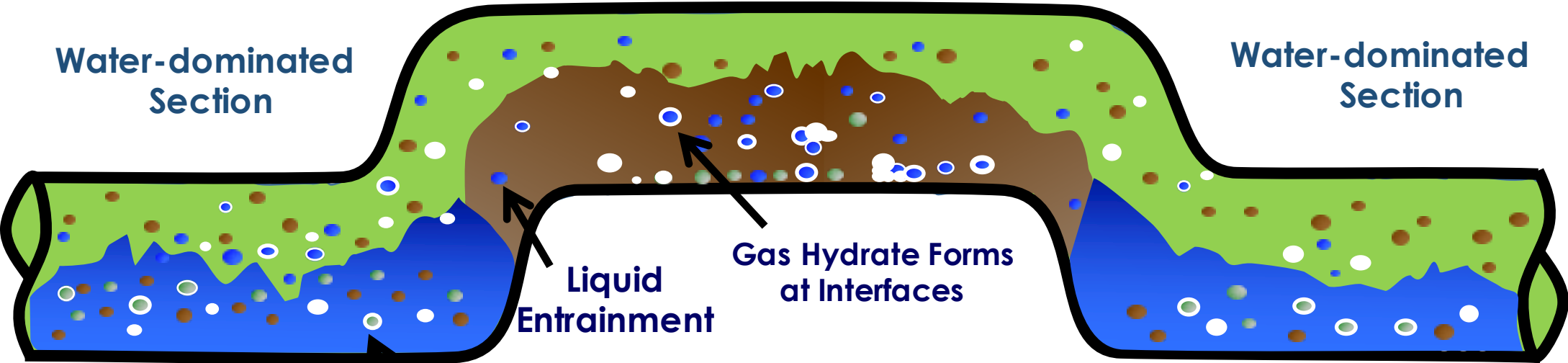
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Pipeline with irregular geometry

Oil-dominated Section

Water-dominated Section




Water-dominated Section



Liquid Entrainment

Gas Hydrate Forms at Interfaces

Gas Entrainment

-  Oil
-  Gas
-  Water

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