

ABSTRACT

An Investigation Into Liquids
In Gas Pipelines Offshore

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This investigation looks into predicting the liquid drop out in pipelines, and the impact of the liquids on Gas Flow conditions with a view to proper sizing and designing of gas transportation systems from offshore platforms.

A computer programme is set up to look at possible liquid drop in gas pipeline and also to calculate the pressure gradient at different positions along the pipeline.

Liquid loadings , flow rates , pipe diameters , and angles of inclination are varied and results along the pipeline are obtained. Family of curves are plotted and observations and a relationship between liquid loading and pipeline efficiency are arrived at.