

Dewatering

BULK FLUID PIPELINE DISPLACEMENT USING GAS

OVERVIEW

Activities related to newly constructed pipelines include flooding, cleaning and gauging, strength/leak testing, dewatering/drying/conditioning and introduction of product. The main purpose of this is to verify the construction requirements have been adhered to, the system is as per specification and is in a state of readiness for handover to the operator.

Depending on the product being introduced into the pipeline, after hydrotesting it may be necessary to remove water. Normally this is performed using a pig as an interface, driven by air, nitrogen or product gas. During the job design the optimum driving medium will be selected to ensure safe, efficient and cost effective dewatering operation.

This activity can be performed at any stage of the pipeline life should bulk fluid removal be required post remediation or maintenance works being carried out.

Efficiency can be increased via the introduction of additional pigs or slugs of high viscosity fluid to help "sweep" the pipeline during the dewatering operations.

Halliburton has one the world's largest fleets of air compressors, air driers, nitrogen membrane units, liquid nitrogen and CO₂ pumping equipment. No matter the specification we have the equipment, personnel and expertise to complete the job in a safe and timely manner.

APPLICATIONS

- Precommissioning
- Maintenance
- Change of Service
- System recertification

FEATURES

- Multi-discipline services
- Deepwater proficiency
- Innovative technology

BENEFITS

- Mature HSEQ-focused processes
- Optimum engineered solutions
- Fast and efficient field operations

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