

Hydrotesting

PIPELINE SYSTEM INTEGRITY VALIDATION

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.

A hydrostatic strength test is performed at up to 1.5 x design pressure of the pipeline to validate the integrity of the construction works carried out and ensure there are no defects in the pipeline components and welded joints.

Final system leak testing activities verify the leak tightness of the system connections at a pressure

relative to the system's maximum allowable operating pressure. This can be performed at interim steps during construction, when the system is partially constructed as deemed most practical to do so. It may also be performed during future operation or maintenance activities to ensure integrity of the system.

Halliburton provides the specialized equipment, personnel and expertise to perform strength and leak testing on pipeline systems of all sizes. By quickly and efficiently identifying and quantifying whether a pipeline system has any leaks, we ensure the integrity of the system, confirming the pipeline can be started up without risk of loss of containment.

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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