



Sand Sampling



SMS Ltd provides expert advice and analysis on sand management and sand/solids monitoring. Effective sand sampling can be utilised in a dynamic sand management strategy to optimise production and ensure integrity.

System Overview

The sand sampling system is a portable cylinder for capturing and quantifying solids in both oil and gas flow streams. Effective sand sampling can contribute to flow assurance allowing increased production optimisation and the sample analysis can provide valuable data to enhance and prolong the reservoirs life cycle.



Features

Flow through system

- Vent to atmosphere or vent line tie-in.

Simple flexible hose connections

- Adaptors available to any sample point connection size

Interchangeable mesh

- Mesh sizes; 20, 50, 100, 500

Full Sampling kit supplied

- Kit includes cylinder stand, hoses, fittings kit, scales, sample bottles and tool kit.

Benefits

Physical reservoir solid sample

- Samples can provide size and compositional analysis

Sand quantification

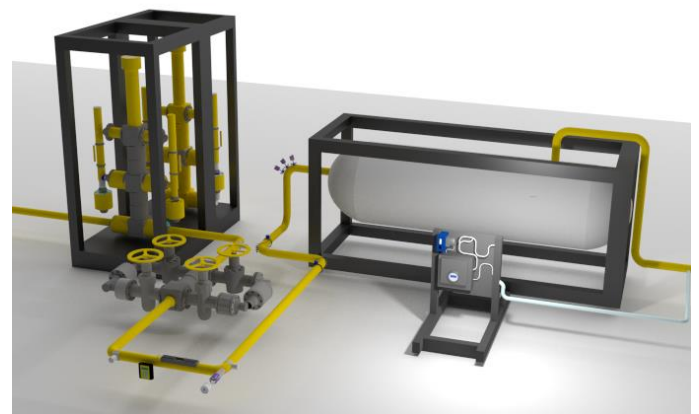
- Enables quantification to be calculated

Production optimisation

- Aids in establishing sand production

Enhanced sand management strategy

- Comprehensive sampling can create a dynamic sand management strategy



Sense



Understand



Perform

Aberdeen / Abu Dhabi / Kuala Lumpur

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Specifications

Functional Characteristics

Part number..... PSS type 300
Max working pressure 345 bar / 5000 psi
Max working temperature 150 F / 65 C
Cylinder material Stainless steel
Sample cylinder volume 300ccm
Net weight 26.5lbs / 12kg
Diameter..... 3.5" / 89mm
Mesh size 20, 50, 100, 500 Microns
EC Declaration of Conformity ... Conforms to transportable pressure equipment directive.

Supplementary Services

SMS can provide the following services to compliment the sampling service;
Onsite sieve analysis
Laboratory particle size analysis
Laboratory compositional analysis included IRF, SEM, Elementary Analysis
Dynamic Sand Management Strategy

Typical Set-Up

