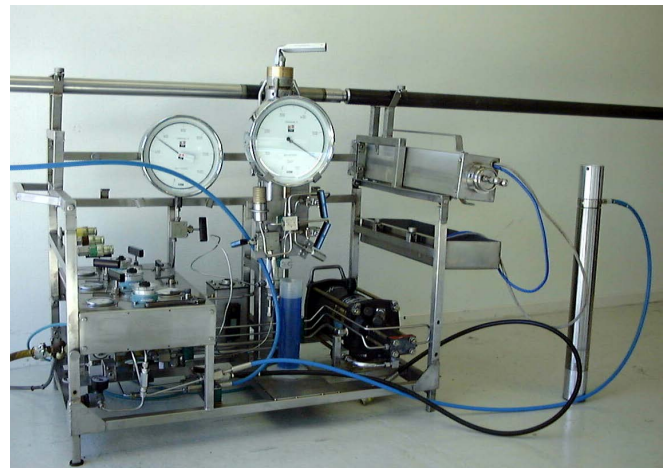


Well head single phase sampling

Expro offers single phase wellhead sampling on wells that are flowing above the bubble - or dew point pressure, hence are in either pure oil or gas phase at the wellhead.

When collecting the samples one can select either to fill single phase bottles to maintain the fluids in the same phase, or one can fill dual phase bottles, leaving a semi-flashed sample in the transport cylinder. The methodology on this point will normally be dictated by the fluid quality and what parameters are intended to be measured at the laboratory at a later stage.

Methodology recommended for this type of work is to use piston cylinders, or single phase cylinders (gas and oil) in order to maintain the integrity of the samples at hand.



WH sample bottle in stand

Technical Specifications:

Sampling Manifold

Working pressure: 1380 bar
 Service: H₂S and CO₂

Standard Single Phase Sample Bottle

Capacity: 700 cc
 Pressure: 700/1034 bar @ 120°C
 Material: 17/4 PH
 Weight: 25 kgs

Inert Single Phase Sample Bottle

Capacity: 700 cc
 Pressure: 1034 / 1380 / 1720 bar
 Material: Inconel
 Weight: 27 kgs

Features & Benefits:

- Instant access to the samples for quality control
- More representative fluid samples than recombination samples from the separator
- In best cases this method can provide samples equally representative of the reservoir as bottom-hole samples
- A wide range of high quality sample bottles
- Large volume sampling available
- Economical