

# Fluid Analysis

**Synonym:** [Fluid Analysis](#) = [PVT Analysis](#)

Part of the key areas of [Field Study & Modelling](#) and one of the [Subsurface Production Disciplines](#), related to predicting [dynamic fluid properties](#) at various temperature and pressure and includes the following components:

|                                |                                          |                                 |
|--------------------------------|------------------------------------------|---------------------------------|
| <a href="#">Fluid Sampling</a> | <a href="#">Fluid Laboratory Testing</a> | <a href="#">Fluid Modelling</a> |
| = <a href="#">PVT Sampling</a> | = <a href="#">PVT Laboratory Test</a>    | = <a href="#">PVT Modelling</a> |

The alternative name is [PVT Analysis](#) and means that major [fluid properties](#) are directly or indirectly related to the correlation between [fluid's Pressure](#), [Volume](#) and [Temperature](#).

The [PVT Analysis](#) term is a misnomer as some important [dynamic fluid properties](#) can not be accurately derived from [P ressure](#) – [Volume](#) – [Temperature](#) correlations.

## See Also

---

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#)

[ [Dynamic fluid properties](#) ]

## Reference

---

[Chapter 2 – Reservoir Fluid properties – Tarek Ahmed, Reservoir Engineering Handbook, 2018, doi.org/10.1016/B978-0-12-813649-2.00002-5](#)

CURTIS H. WHITSON AND MICHAEL R. BRULÉ, PHASE BEHAVIOR, SPE Monograph Volume 20, 2000