



## PVT PRACTICAL TRAINING

### In-house courses

Vinci Technologies offer in-house courses for Fluid Eval® users and PVT Laboratory engineers.

### Five-days training to master and exploit Fluid Eval functions:



A theoretical and practical session will cover all the aspects of a PVT test from quality check of the sample to the edition of a PVT report.

We can organize custom-designed course to meet a particular client's needs.

### Course outline

#### Basic concepts

- Classification of reservoir fluids
- Identification of fluid type
- Sampling methods
- Quality check of a sample
- Restoration and recombination of a sample
- Conventional PVT test for oil studies
- Conventional PVT test for gas studies
- Data measured and calculated

#### Sample fluid

- How to charge a sample
- Sample homogenization
- Thermal equilibrium
- Physical properties

#### PVT test run in Fluid Eval

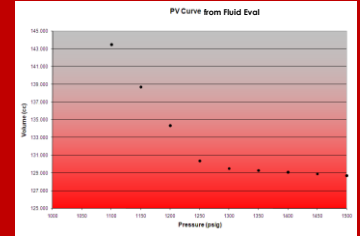
- Fluid Eval connections and start up
- CME and CVD for gas samples
- CME and DL for oil samples
- Video tracker system function
- Home-made application
- Acquisition of data
- Calculated physical properties
- Ancillary devices for a modular configuration

#### PVT report and analysis

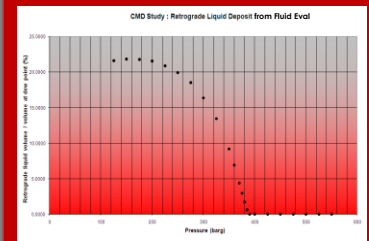
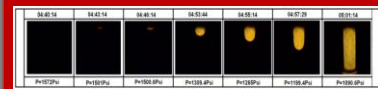
- Data evaluation, processing and discussion
- Evaluation of PVT experimental data using compositional models
- Edition of a PVT report

### Target audience

- ❖ Petroleum engineering background
- ❖ Some experience in measurement and modeling reservoir fluids.
- ❖ New Fluid Eval users who want to minimize future costs linked to both time of non-operation and after sales service



Summary of recording camera from Fluid Eval for crude oil



### Objectives:

You will learn how to:

- Check a sample
- Charge a real sample at reservoir conditions.
- Install, connect and program your Fluid Eval, camera and Vinci application
- Prepare and run an automatic experiment
- Run a PVT test alone for oil and gas samples
- Evaluate and process PVT data
- Combine Fluid Eval to other ancillary devices to amplify the reservoir sample information

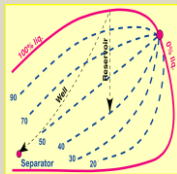
PVT TRAINING USING RESERVOIR FLUID SAMPLES

### PVT Test

It describes the fluid behavior of a reservoir.

It allows estimation of the real quantity of fluid produced in function of the fluid presents in the reservoir.

Vinci Technologies has a wide range of PVT cells to cover most of reservoir fluids. (Black oil, Heavy oil, Volatile oils, Lean and Rich gas condensates).



- 👉 You will be able to run a PVT test completely alone
- 👉 You will be able to improve automated functions

Laboratory equipment for exploration and production are ready to run tests in our installations. Vinci Technologies manufactures and provides a broad range of laboratory equipment and specific field instrumentation for the Oil and Gas Industry.

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