VINCI TECHNOLOGIES
Laboratory and field instruments for Petroleum Industry

ISO 9001 BUREAU VERITAS Certification

MISCIBILITY STUDIES

High Pressure 700b - 10000PSI

High Temperature 175°C - 347°F

LEVEL TRACKER

Automated Experiment

SLIM TUBE SYSTEM

STS 700

Applications:

- Measurements of Minimum Miscibility Pressure (MMP) and Composition Minimum Pressure (CMP) at reservoir conditions (10000Psi – 175°C).
- Reduce and eliminate remedial costs in EOR projects
- Well production improvement

Benefits:

- High level of automation (automated back pressure regulator,..)
- Automatic gas injection control and effluent monitoring
- Mercury free

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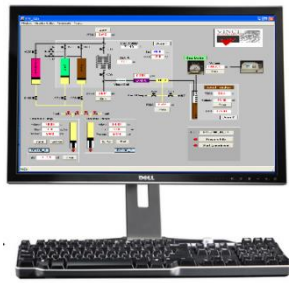
Hardware features:

- Embedded gas injection pump
- Positive displacement pump
- Floating piston accumulators
- Slim tube
- High-pressure visual cell
- Automated back pressure regulator
- Digital volume measuring detector
- Gas metering system
- Online gas chromatograph
- HP/HT density meter



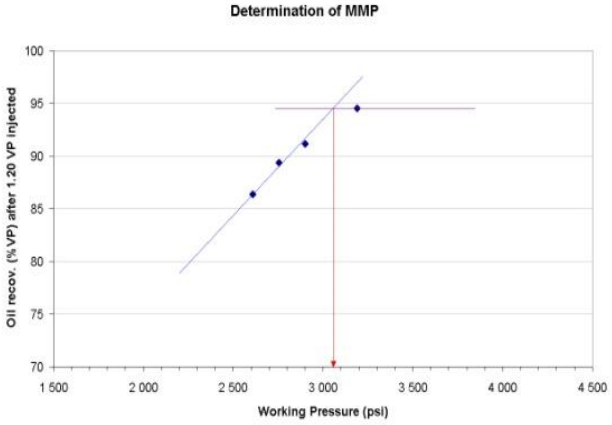
Software features:

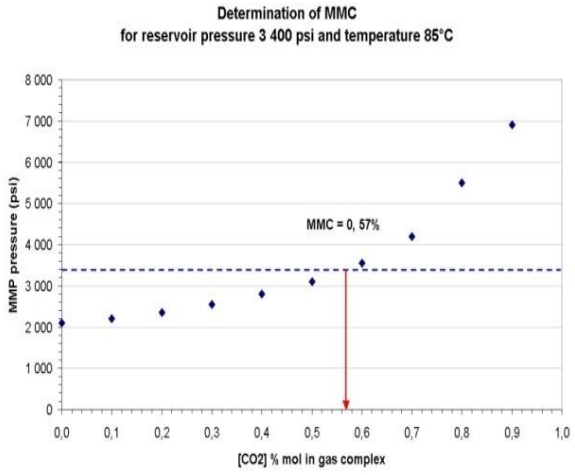
Automated controls of gas injection, measurements of pressure, volume, flow rate and temperature are performed from data acquisition system by a user-friendly interface.

STS-700 robust construction simplifies the MMP and CMP measurements and thanks to house developed software easy data processing, video recording and online compositional analysis is possible.

Results

The recovery curve is then plotted during the miscible displacement experiments. You can determine the MMP and CMP graphically.





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