

Reservoir/Production Engineering One Day Course

Reserves

Reserve Calculation

Units of measurement

BO, MCF, BC, metric tons, cubic meters

BOE calculation

OOIP/Recovery Factor

Exercise - Calculations of OOIP and recoverable reserves

Decline analysis

Exercise using decline analysis

Other methods

Categories of reserves (risk)

Proven vs. unproven

Developed vs. undeveloped

Probable vs. possible

Recovery Factors

Water drive

Depletion

Bubble point pressure

Gravity

Field Studies

Data used – Maps, logs, production, decline, mass balance, etc.

Primary vs. secondary vs. tertiary recovery

Water floods

CO₂, nitrogen, other

Field development

Optimize investment (costs vs reserves)

Well spacing

Injection wells

Facilities

Production reporting

Data

Displays

