

Material Balance and Application for Petroleum Reserves Estimation

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(Petroleum Engineering ITB)



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● Belitung



IAGI
LEARNING CENTRE



About The Course

Material balance analysis is an interpretation method used to determine original fluids-in-place (OFIP) based on production and static pressure data. The general material balance equation relates the original oil, gas, and water in the reservoir to production volumes and current pressure conditions / fluid properties.

This five days course represents the advantages of material balance method for reservoir estimation. The course will begin with the principle of material balance method and the equation. Both oil and gas reservoir estimation using Material Balance Equation will be presented. Then, the instructor will open the discussion. All participants could bring out their problems. Instructor will share his knowledge and experiences and participant could understand the advantages of material balance method.

At the end of the course, the participants will have a case study related to material balance method, case in some field and also try to optimize the study and interpretation of the area.

Course Outline



Workshop Contents

Introduction<<
The Principle of Material Balance Methode<<
Material Balance Equation<<
Material Balance Application<<
Initial Gas Cap-
Water Influence-
Flowing Material Balance<<
Drive Mechanisms<<

Case Study<<



Who Should Attend

Reservoir, production, and operations engineers, geologists, geophysicists, reservoir engineers, reserves managers, and others who interested and involved in petroleum reserve estimation field.



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About The Instructor

Ir. Taufan Marhaendrajana, M.Sc., Ph.D



He got his Bachelor Degree from Petroleum Engineering Department, ITB, in 1991; his Master and Ph.D from Texas A&M University, College Station, TX, in 1995 and 2000. Now, he is lecturer in Petroleum Engineering Department, Faculty of Petroleum and Mining Engineering, Bandung Institute of Technology, specialist in Reservoir Engineering.

He has published many of publications with topic of reservoir engineering, Formation Evaluation, reservoir modelling, well engineering, Gas Reservoir, such as "Determination of Reservoir Flow Connectivity By Use Of Production Data In Highly Faulted System", Jurnal of JTM; "Oil Production Enhancement Using Bottom-Hole Water Sink : A Guideline For Optimum Design Application", Jurnal of JTM; "Parametrical Study On Retrograde Gas Reservoir Behavior", Jurnal of JTM and others publication.

Investment Fee



IDR ,- / participant

>> The course fee includes meals (2x coffee break and lunch), training kits, training materials, group photograph, certificate. Excluded accomodation & VAT.
In order to allow sufficient time for arranging travel and processing document, participants are recommended to make an early enrollment.



Cancellation, Substitution & Non Attendance Policy

Tuition fees are trasferable but not refundable. Notification is required to substitute another participant, no later 5 working days prior to the program, should the nominated person be unable to attend. Late cancellation sometimes causes event to be abandoned. Non attendance participant will be full charged as all preparations will have been done.

Information & Registration

IAGI Learning Centre / Biro Kursus IAGI

Jakarta Secretariat : Crown Palace, Blok C-8
Jl. Prof. DR. Soepomo, SH. No.231, Tebet - Jakarta 123870
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