

Hydraulic Fracture



Treatment Design and Evaluation Workshop

Course Description

Introduction of hydraulic fracturing and production engineering, Candidates selection process, Dataset requirement, How to design fracture treatment, Fracture Design Optimization, Data FRAC and Main Fracture analysis, General Field operation, Un-conventional, latest fracture treatment technology and discussion on student's local case.

Audience

All professional who works for Oil & Gas Company or Government Institution, Engineers, geoscientists, and field personnel responsible for the design and execution of hydraulic fracture treatments. Course seat quota : 60% for Alumni Petroleum Engineering ITB, 40% for other.

Topics covered

Welcome and Introduction, Pre-treatment formation evaluation fracture optimization, Fracture diagnostics, Fracture geometries, Fracture design models - 2-D and 3-D Solutions, Data requirements, Well completions, Selection of fracturing fluids and additives, Selection of proppants , Design Methodology, Field execution, On-site monitoring and quality control, Open discussions, Problem solving. Bonus Data FRAC analysis.

Course Schedule

Introduction to stimulation and production, Candidate selection. Treatment optimization. Fundamentals of hydraulic fracturing. Review of critical parameters in hydraulic fracture design

Fracture mechanics and fracture modeling. Developing reservoir datasets. Example problems on reservoir analysis and fracture optimization.

In-situ stress and stress testing. Example problems for stress analysis and building vertical stress profiles. Introduction to 3-D models and entering data into program.

Fracture fluids & proppants. Quality control & treatment. Supervision. Example problems for fracture treatment design, Post-fracture operations. Post-fracture evaluation. Example problems for fracture treatment design.

Please send email for registration to:

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Syamsul Irham +62 812-9944-694 Email: syamsul.irham@trisakti.ac.id ;

IATMI Pusat, 021-5203057. Total seat available : **12**

Sessions

29 October – 2 November, 2018

**Padma Hotel,
Bandung**

5 Days , Rp. 27.000.000,-
(IATMI member)

Contact:

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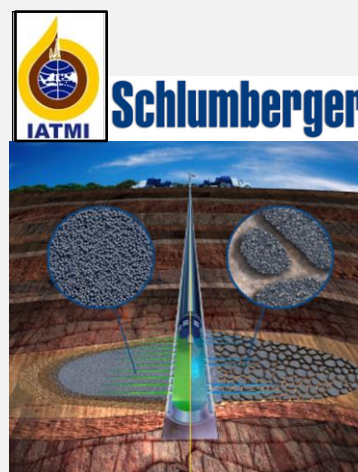
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Host :

KOPUM- IATMI



Areiyando joined Schlumberger, after graduating from Petroleum Engineering ITB in 1996. He spent 15 years on abroad assignment during his 18 years career. He was assigned to many critical & prestigious fracturing project worldwide from Indonesia, Russia, S. China Sea, North Africa, Oman, Mediterranean, Saudi Arabia, Bangkok, Vietnam, Malaysia & Myanmar. He and his team Won 3 'Performed by Schlumberger' award & Shell Award. He is now Schlumberger Stimulation & Production Domain Manager.