

Systematic Basin Study for Opportunity Identification

17th - 19th November 2017 at The 101 Hotel Suryakencana, Bogor, Indonesia



IGTC Excellent Instructor
Herman Darman
Professional and Explorationist

- ▶ Has more than twenty years of wide range exploration experiences from near field to frontier setting, both onshore and offshore.
- ▶ Msc. in Petroleum Geology, University of Aberdeen (UK) graduate.
- ▶ Active members of many Engineering organizations, e.g.: IAGI, IPA, EAGE, FOSI, IAS, SEPM and SEAPEX.
- ▶ More detail information on next page.

Course Objectives

- ▶ LEARN Principle of exploration.
- ▶ UNDERSTAND Exploration methods.
- ▶ UNDERSTAND Petroleum system elements.
- ▶ UNDERSTAND Play mapping and Common Risk segment mapping.
- ▶ LEARN Dry hole analysis.

Specifically Design for

This course is specifically designed for, but not limited to employees in the oil and gas industry who holds the following roles:

- ▶ Exploration Managers
- ▶ Geologist
- ▶ Petrophysicist
- ▶ Geoscientists

Prerequisites:

Participants are Explorationists with 2-3 years of experience or other Geoscientists who start working on exploration project.

IGTC+ (Oil and Gas Education Excellence)

Education Centre and Training Solutions

Activity in oil and gas field in Indonesia is affected by the worldwide oil price down turn condition. In last two years, drilling activity has been slowing down and up to now there is no indication that it has bounced back to its previous condition. With the national production target of ±870,000 bbls per day whereas the country's energy consumption is increasing, the government still expect oil gas operators to be more willing and be proactive in exploring new fields and drill more wells. Competent personnel is needed to fulfill Indonesia Government objective. Olinesia IGTC wants to be part to provide education and training to improve and enhancing the skill of oil field workers hence helping government in increasing the number of competent personnel in Exploration.

If you like to know more about IGTC+ excellent programs, please contact us on +62 813 8227 0363 or email training@olinesia.com

Course Overview

This three-day course is an introduction to play based exploration using geology for making business decision. Objective of the course is to give understanding to participants on play evaluation process and hands-on skill on identifying prospective areas for exploration. In this course, participants will experience approximately 75% of learning by lectures and 25% of workshop exercises.

IGTC Excellent Instructor Herman Darman Professional and Explorationist

Our trainer is a senior exploration geologist, who has more than twenty years of wide range exploration experiences from near field to frontier setting, both onshore and offshore. Areas of exploration include Central Asia (Common Independent States / Former Soviet Union countries) and Southeast Asian countries. Focus area in the last two years includes South China Sea, Eastern Indonesia and West SEAsia margin projects. As principal exploration geoscientist in the new venture team, he was responsible for identifying and maturing opportunities. Currently based in home country, Indonesia. He started a social enterprise in geoscience called Indogeo. The experiences I gained in several posting locations, such as Indonesia, Brunei, the Netherlands, and Malaysia, stimulate a number of activities for the social enterprise.

Highlights:

- ▶ Msc. in Petroleum Geology, University of Aberdeen (UK)
- ▶ Day-to-day user of 123DI, Seiswork, Petrel, and ArcGIS
- ▶ graduate 2D / 3D seismic interpretation in deepwater-shallow marine clastics, carbonate, and salt settings
- ▶ Evaluated the remaining potential / yet-to-find volume of basins in Asia
- ▶ Active in professional organizations

Technical Experiences:

- ▶ build company portfolio in the region as follow up to recent successes (Shell Netherland)
- ▶ secure long term LNG contract by proving remaining potential in Brunei (Brunei Shell)
- ▶ operating existing blocks and to identify potential area (Shell Indonesia)

Course Agenda

Day One: Petroleum Exploration

Petroleum geology elements and play

- Introduction to petroleum exploration methods
- Steps in exploration

Regional evaluation

- Data gathering
- Regional evaluation (seismic, remote sensing, field mapping)

Day Two: Play mapping

Well evaluation

- Well evaluation / dry hole analysis
- Integrated Charge Evaluation
- Generating GDE map

Play mapping

- Generating play element risk maps
- Making common risk segments and learn how to use it

Day Three: Case Study

Case Study

- Borneo case study : situation presentation
- Borneo case study : syndicate work

Future Potential

- Post mortem of Indonesian Basins exploration
- Future potential of Indonesian basins: brain storming