

Student Chapter Study Tour Report

Purpose Statement

The report is aimed to provide the overview of the activities of the Student Chapter Program which took place in Suphanburi, Phitsanulok, Sukhothai, Kampaengpetch and Chiang Mai. The program was provided to 38 Chulalongkorn University students and personnel in the Department of Petroleum Engineering.

The Petroleum Engineering Department of Chulalongkorn University organized the study tour to PTTEP1, Sirikit and Fang oil field, Siam Moeco Ltd., and Schumberger for 5 days during January 8th -12th, 2008.

The study tour offered the students the real opportunity to see the operations in the oil fields which allowed the students to have a better understanding of petroleum processing, and more importantly to gain practical knowledge outside the classroom. The students had a chance to talk to the operators and see the working environments.

Objectives

1. To experience the seismic survey operation.
2. To experience real working environment and also develop the knowledge from the operators.
3. To gain further understanding of petroleum operation and its problems.
4. To obtain knowledge of petroleum production.

Activities and Photos

PTTEP1, Suphanburi (8 Jan 08 1000-1200 hrs)

The first part of the visit started with the presentation conducted by an operator who is responsible of the PTTEP's Uthong production. He gave us the background of the field and overview of the reservation process, the technical problems of the operations and solutions, and the kind of artificial lift which is the beam pumping unit. After that, the head operator introduced us around the site and explained thoroughly about surface facilities and processing, including the transportation.



Figure1: The visitation at PTTEP1

Schumberger, Phitsanulok (9 Jan 08 0930-1200 hrs)

The program started with the presentation about logging tools and wireline tools. After having led us to see the winch and the tools, especially MWD tools, the operators introduced each department and its work procedures and processes.



Figure2: Lecture at Schumberger

Siam Moeco Ltd., Sukhothai (9 Jan 08 1400-1700 hrs)

Given the concession, Siam Moeco is allowed to conduct 2D and 3D seismic surveys around Sukhothai and Phitsanulok.

The students were divided into small groups and went to the main explosion area and processing department, whose role is to document and evaluate the outcomes from seismic surveys. The operators explained the processing and assure the safety.

PTTEP's S1 area, Kampaengpetch (10 Jan 08 0830-1400 hrs)

The program started with the visit of the workover rig in S1. The operator explained the functions of the workover rig, and the drillstrings, including the well completion. The next part is the well service department where the operator explained the wireline tools and their mechanism. The operator also detailed the kinds of artificial lift which has been used and led us to see.



Figure3: Visiting the workover rig at S1



Figure3: Well service department in S1

Fang, Chiang Mai (11 Jan 08 1030-1530 hrs)

This began with the presentation of general information of the field. Later the students were led to see the refinery. The operator gave an introduction of the process and then the students were introduced to the rig. The operator explained each component of the rig and their functions.



Figure4: Fang's production



Figure5: Visiting rig at Fang

Conclusion

The Program offered practical and valuable experience to the students in the Department of Petroleum Engineering, Chulalongkorn University. This is useful for the students as it has enhanced our understanding of the practice in the fields.

Name List of Professors, Students, and Personnel in the Trip

Yingyos	Khemayodhin	Assoc. Professor
Jirawat	Chewaroungroal	Ph.D.
Suwat	Athichanagorn	Asst. Professor, Ph.D.
Varoon	Vongsinudom	Student
Tuchpichar	Vattanapakanchai	Student
Sukrit	Vatcharaviriyakul	Student
Jirapatana	Suttapanya	Student
Kawin	Intrachai	Student
Thiti	Lerdsuwankij	Student
Pavarit	Trakulhoon	Student
Kasiya	Suttidet	Student
Taweewat	Prasertbordeekul	Student
Watanapong	Ratawessanun	Student
Pongpak	Taksaudom	Student
Olarn	Tangpanichdee	Student
Orawan	Kittiyaowamarn	Student
Sawatdiwong	Sarisittitham	Student
Thanapong	Ketmalee	Student
Sittichod	Srihirunrusmee	Student
Kruaorn	Sugunnasil	Student
Kaimook	Griangsakpong	Student
Jackris	Leemasawatdikul	Student
Chaiwat	Choterungruengkorn	Student
Narong	Liu	Student
Nattapon	Lortong	Student
Thanakrich	Pummatapanthu	Student
Thanawut	Worawutthichayakul	Student
Nuntha	Samukkinich	Student
Preedee	Rupsuwan	Student
Pobtorn	Sripramote	Student
Prapong	Sooksawat	Student
Prapun	Sooksawat	Student
Pakorn	Niyomkarn	Student
Marut	Wantawin	Student
Winit	Pongsripian	Student
Waiwish	Asdornnitee	Student
Kemmanat	Chodrachataanun	Student
Sarin	Apisaksirikul	Student
Soros	Chitsiripanich	Student
Akarapong	Watcharasemakul	Student
Atsiri	Techasakulsin	Student