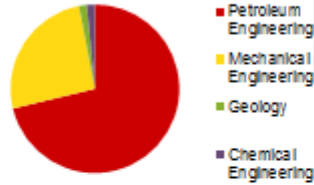


SHALE PROLOGUE WORKSHOP

Shale Prologue Program

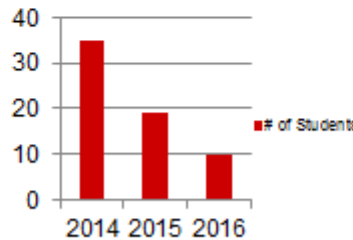


SPP Attendees by Major



Total Students in Attendance: 69

Attendees by Graduation Year



HALLIBURTON

Date – 26th April 2014
University of Houston

Location – Energy Research Park,

Shale Prologue Workshop was sponsored by Halliburton and was attended by about 70 students from Mechanical, Petroleum Engineering background. The event focused on current challenges faced in horizontal drilling of Shale Rocks. Employees of Landmark PSL of Halliburton volunteered to share their technical knowledge with students.

In the morning session, Interactive session on modern challenges faced in unconventional drilling was held. Students were explained about Positive Drilling, Negative Drilling, selection of Kick off point, criteria for using Stiff String and Soft String model. Students learned about the modern challenges faced in drilling such as Open Hole Sidetracks, Whipstocks, Magnetic Interference and difference between short radius, medium radius and long radius horizontal wells. Later, experts gave an overview on modern softwares used by Halliburton for various phases of Horizontal Drilling operation and also held a hands on session for the benefit of students.

In afternoon session, Presentation was given on Geology, Production Data Management, various problems caused by corrosion in Drilling. The workshop ended with a presentation by Professor Robello Samuels on modern tools developed for effective surveying and drilling and distribution of certificates to students. Professor Samuels also unveiled an innovative opportunity for students. Students will be provided opportunity to work on softwares and industrial data of Halliburton for one month on any project of their choice. Students are expected to come up with innovative solutions and present it to Halliburton. The best two projects will be awarded with certificates and prizes.

Students enjoyed the one day workshop and it was a wonderful learning opportunity. The event helped students to learn and enhance their skills by working with leading oilfield Service Company.