Course Title: Sand Control Selection, Methodology and Remedial Solutions

Day 1: Introduction to sand control selection in oil and gas wells

This course will provide an overview of sand control selection process. Participants will evaluate the key parameters to consider when selecting a sand control technique for oil and gas wells such as – Petrophysical properties, rock mechanics, Particle Size Distribution Analysis and rock mineralogy. We will also discuss some case studies from Niger Delta.

Day 2: Remedial Sand Control Treatment

Several wells are completed with sand control during initial completion, but sand control could fail during the life of the well causing the well to produce sand which is detrimental to the tubing, wellbore and surface equipment. This course will discuss remedial sand control solutions including chemical and mechanical methods that can help restore production to the well, key things to consider in selecting a solution and some case studies.

Day 3: Gravel Pack and Frack Pack Sand Control Techniques

Gravel Packing is the placement of sized particles (Proppant) around the screen casing Annulus to prevent the production of formation sand along with the Reservoir Fluid, while Frac Packing or (STIMPAC™) is a Technique employed to Stimulate the Reservoir while also preventing the production of Formation Sand. This Course would provide an overview of Gravel Packing and Frac Packing as well as Candidate Selection criteria, Carrier Fluid types, Proppant types and Equipment utilized in Gravel Packing and Frac Packing. Some proprietary Case Histories would also be discussed.