A Live Online Course

SAND CONTROL TECHNOLOGY

by

Dr.-Ing. Rudi Rubiandini R.S.

Course Description

Sand causes a wide variety of costly problems when oil and gas are produced from unconsolidated reservoirs. The most costly problem is usually the loss of production resulting from formation damage caused by poorly planned and/or executed sand control applications. This course will identify the parameters that must be considered when selecting the sand control technique to be used. Examples, problems, and case histories will be examined to illustrate key points. Sand control failures will be used to illustrate the types of problems that can lead to early well failures. The course will also teach how to perform quality control checks during the sand control application to help insure successful wells. Because Sand Control in horizontal wells often proves to be short-lived when incorrectly applied, examples and class problems will focus on correctly choosing successful completion techniques for horizontal wells. Several new promising sand control technologies have been introduced in the last few years, such as expandable screens of several different types. The proper application of these new technologies will also be covered. Attendees will leave this course with a thorough understanding of what is necessary to design and implement cost-effective sand control in both producing and injection wells.

Designed For

Drilling, completion, production, and research engineers; field supervisors and production foremen; technical personnel who supply services and equipment

You will learn

Participants will learn how to:

1. How to Determine the causes of sand production
2. Determine the need for sand control

3. Select the best sand control method
4. Prepare the well for the proper application of sand control
5. Apply best practices to ensure successful sand control completions
6. Conduct successful frac-packs
7. Evaluate sand control performance
8. Minimize production losses
9. Evaluate new technologies for proper applications

Course Content

1. Sand control techniques
2. Radial flow and formation damage
3. Causes and effects of sand production
4. Predicting sand production
5. Gravel pack design
6. Slotted liners and wire wrapped screens
7. Gravel pack completion equipment and service tools
8. Well preparation for gravel packing
9. Perforating for gravel placement techniques
10. Perforation prepacking and enhanced prepacking
11. Frac packing
12. Open hole gravel packing
13. Expandable screens
14. Gravel pack performance
15. Horizontal well completions

About Instructor

DR.-Ing. Rudi Rubiandini, R.S. has 30 years of experience in the oil and gas industry.

He has experience as a trainer in almost all Oil and Gas companies in Indonesia, manages Drilling Laboratories, he even created research laboratory equipment, he has been a professor at Institute Technology Bandung, has been a high-ranking official at the oil and natural gas institution BPMIGAS and SKK Migas, as well as being Deputy Minister of Energy and Mineral Resources.

Rudi Rubiandini is a frequent speaker at various scientific seminars and discussions in the fields of energy, petroleum and natural gas engineering.
From his very long experience, this training will be very interesting in discussing with Trainers in various aspects.

Course Delivery Method

- This is a live online course delivered using Virtual via the Zoom application.
- Training time is from 09:00 to 15:00 with several breaks in between.
- Participants need to prepare a computer to join this program.
- Participants will receive course material in the form of hard copy and soft file, stationary which we will send to the participant's address via courier (freight services).
- Participants will receive a certificate after the training is complete.

Registration

Two ways to register:

- Email your message to PT Loka Datamas Indah – lditrain@indo.net.id or
- Register online on our website www.lditraining.com

For course registration and more information about the course, please visit lditraining.com or send your email to LDI Training at lditrain@indo.net.id.