JAMAL AL-ASHHAB

TRAINING - CONSULTATION - SOFT SKILLS DEVELOPER

Introduction

We are happy to introduce our major upstream oil and gas energy and technical activities in terms of:

1. Consultancy:

1. Development of technical and operation manuals, procedures, processes and standards such as:
   - 1.1. Well integrity management system(WIMS) to secure well safety and performance
   - 1.2. Scale, Asphaltene and corrosion Control and treatment to maintain high well productivity
   - 1.3. Drilling Quality Standards to minimize NPT and optimize drilling operations cost and Rig safety.
   - 1.4. Simultaneous Drilling Operation (SIMOPS) studies in order conduct safe simultaneous drilling and production or any necessary rigless operation at the same time.
   - 1.5. Competency Management Systems(CAMS)to enhance professional technical skills of the new hire and fresh graduates of the organization individuals

1.6. Rig Integrity Assurance Audit to ensure the Rig integrity on periodical bases in order to maintain the safety and operability of the Drilling and Work over Rigs and their operation crews and personnel,

1.7. API Q2 Manual for the oil and gas service companies in order to be certified API body to conduct their relevant services for the oil and gas operating companies.

1.8. Well technical and operating Audit to ensure compliance of well integrity envelops is operating in a safe conditions and assure the competency of the involved personnel along with other parameters such as procedures and maintenance system are valid and in place.

2. Professional Training and Workshops:

We conduct periodical and frequent training courses along with workshops to enhance the awareness,

knowledge and expertise of the petroleum, well integrity, production, drilling and filed operation engineers.

The training strategy is as follow:

- Presentation and lecturing 40%
- Workshop and interaction 30%
- Videos and practical 30%

The following some of these courses and workshops, details of each course and workshop is described against the relevant course as shown in the attachments.

2.1 Well Integrity Management

This 5-day training course on the Well Integrity Management is designed to provide the participants with knowledge. The participants have an excellent chance to

share ideas and to correct the concept of well integrity management. This training course will discuss the proper approach to decision-making to provide certainty within the organization.

- The concept of Well Integrity
- Awareness of regional Standards and Regulations
- Different stages of well operations from Design and Construction, to Production Impact Well Integrity
- Risks associated with different types of well integrity issues
- Different techniques to reduce / mitigate risks
- Procedures, roles and responsibilities of personnel involved in the well life cycle towards Well Integrity
- The focus on key areas of well integrity assurance
- The Production supervisor’s duties with regard to well integrity

2.2 **Ensuring high well Flow Assurance performance**

Flow assurance in the oil and gas industry refers to the systems put in place to guarantee uninterrupted profitable and sustainable flow of hydrocarbons from the reservoir to surface facilities and ultimately to refineries. Flow assurance challenges include: inorganic scale, asphaltene, wax, corrosion, hydrates, etc. (strontium sulphate) control across the wellbore. This course describe the types of scale and how to treat and prevent the deposition in order not impact the production.

2.3 Artificial lift well completion technology:

This work shop designed for well completion engineers, it describes the different methods of selection of suitable completion of wells to increase or maintain the productivity index when the production starts to decline.

2.4 **Rig Awareness:**

The topic of rig types will show participants the different types of rigs used on land and offshore, as well as rig safety and rig personnel functions. The directional drilling and horizontal wells theme will cover Measurement While Drilling (MWD) equipment, along with methods used to drill horizontal wells and multi-lateral wells. The fifth and last topic of well completion will cover casings, tubing, cementing, and perforations.

2.5 Horizontal Well Technology

This course will increase the participants' understanding how directional and horizontal wells are planned and optimized. The participants will receive instructions on planning and evaluating horizontal wells based on the objectives of the horizontal well, and how to perform the proper planning for directional and horizontal well.

2.6 Advanced well completion design

The drilling and completion operations are crucial to the long-term viability of the wells in meeting the specified objectives. The design and completion of both production and injection wells are required to satisfy several objectives including:

2.7 Wellhead and XM Tree

- Operational Safety
- Problems caused by poor cement jobs

- Productivity Index calculated at Well Head
- Well head main functions
- Practical Calculations to determine Tubing Pressures based on several factors.
- Well head classifications
- API Specification 6A
- Basic Components of a Well Head
- Well Head Installation
- Casing Head / Casing Head Function

2.8 Well Intervention and Coiled Tubing

The course will provide participants with a basic knowledge of coiled tubing operations and the equipment utilized to deploy it in the field. It will highlight key pre- job design parameters required for successful field operations. A well intervention is any operation carried out on oil or gas well during its productive life that alters the state of the well, provides well diagnostics, or manages the production of the well. It also emphasizes the importance of well interventions

methods (slickline, Electrical line and Coiled tubing) during life time of the well to keep well productivity under optimum conditions.

2.9 DRILLING PRACTICES

This course is designed for engineers and field personnel involved in the planning and implementation of drilling programs. The seminar covers all aspects of drilling technology, emphasizing both theory and practical application. Drilling is a complex operation requiring the marriage of different technologies and disciplines. Today's drilling personnel must have a working knowledge of all these disciplines in order to effectively drill a well. The course provides all the fundamentals necessary to drill a well whether it is a shallow well or a complex, high pressure well. "The instructor of this course is Mr Jamal Alashhab has more than 40 years extensive academic and field experience with

international operating companies and training institutes and petroleum engineering schools.

2.10 Drilling problems and Optimization

Today's drilling personnel must have a working knowledge of all the required disciplines in order to effectively drill a well. This Drilling Problems and Optimization training seminar provides all the fundamentals necessary to drill a well whether it is a shallow well or a complex, high pressure well.

This training course is also designed for engineers and field personnel involved in the planning and implementation of drilling programs. This covers all aspects of drilling problems, emphasizing prevention and optimizing planning and implementation of all drilling parameters.

Training Methodology

This Drilling Problems and Optimization training seminar will utilize several learning techniques to ensure maximum understanding, comprehension and retention of the information presented. The daily workshops will be highly interactive and participative. The following advantages would be achieved:

3. Soft skills development:

We conduct short courses to improve the individual efficiency and organization performance such as:

3.1 Empowering Leaders for organization performance excellence

3.2 Developing the potential candidates for future leadership position

3.3 Design performance driven organization structure to enhance the efficiency of the teams through teamwork culture.