WIRE LINE AND DIGITAL SLICK LINE OPERATIONS

TRAINIT ACADEMY

DRPT210
Drilling, Reservoir & Petroleum Training

COURSE TITLE

Wire line and Digital Slick Line Operations

COURSE DATE/VENUE

11th - 15th NOV 24'

London, UK

COURSE REFERENCE

DRPT210

COURSE DURATION

05 Days

DISCIPLINE

Drilling, Reservoir & Petroleum Training

COURSE INTRODUCTION

The course is designed to provide comprehensive information's to all aspects of the well intervention operations; well completion and wire line operations including new digital slick line applications. The course will be conducted as lecturers and attendees will be actively encouraged to participate. The course content will be fully illustrated with actual data of design and troubleshooting to aid understanding and help to overcome any difficult problems. Comprehensive course notes will be provided, which will form a valuable source of reference afterwards.

COURSE OBJECTIVE

Upon completion of this course, you will gain an understanding of the following important aspects of Planning

- Fully understanding of well intervention operations
- Fully understanding of different completion equipment
- The ability to design and supervise slick line programs and operations
- The ability to take the necessary corrective action to deal with harsh environments
- Types of digital slick line
- Digital slick line application and operations
- Fully understanding of the pressure control equipment

- The experience to deal with any emergency during wireline operations

COURSE AUDIENCE

This course is designed for production technologists, well surveillance teams, production engineers, reservoir, well intervention teams, wireline operators and supervisors, workover and completion engineers and supervisors.

COURSE CONTENT

Day 1

Well Control, Barriers and Completion Equipments

- **Pre-course exam**
- **Production system overview**
- **Construction of a well from casings to well head**
- **Selective well completion**
- **Subsurface safety valve**
- **Completion packers and expansion joints**
- **Landing nipples and flow control devices**
- **Selective and non-selective types**
- **Basic components of a well head**
- **Wire line entry guide**
- **Tubing hanger and BPV**
- **How to improve your completion design**
- **Barrier principles and barrier envelope**
- **Well hydrostatic pressure calculations**
- **Different well completion cases**

Day 2

Slick Line Surface and Pressure Control Equipments

- **Slick line types**
- **Slick line applications**
- **Stuffing box**
- **Lubricators/ quick union**
- **Slick line BOP**
- **Operational challenges**
- **H2S operations**
- **Tools string components**
- **Types of jars**
- **Surface rig up**

- **Wire maintenance**
- **Line testing**
- **Wire line unit**
- **Tool Catcher/ Quick Test Sub**
- **Tool string design calculation**

Day 3

Slick Line down hole Equipments and Operations

- **Running and pulling tools**
- **Fishing neck**
- **Locks, Standing Valves and Landing Nipples**
- **Flow control equipment**
- **Sub surface safety valves**
- **Running – Setting – Equalizing & Pulling process**
- **Selective running tool**
- **Types of plugs**
- **Wire finder**
- **Wire grabs**
- **Shifting tools/Sliding side door**
- **Gauge cutter/Impression block**
- **Tubing end locator**
- **Bailers**
- **Hydrates and obstructions**

Day 4

Digital Slick line Operations

- **Slick-E-Line**
- **Coated slick line**
- **Conductive material**
- **Different between E-line and Slick-E-Line**
- **Digital slick line advantages**
- **Applications**
- **Production logging**
- **Perforation operations**
- **Corrosion logs**
- **Straddle pack off**
- **Efficient Well Interventions Utilizing digital slick line**
- **Static flowing pressure temperature surveys' operation**
- **Actual cases**

Day 5

Fishing, Braided and Digital Sliclk line / Electrical line Equipments and Operations

- **Types of wire line**
- **Real Time Slickline - Applications of New Technology in a Mature Field**
- **The Slickline Well Tractor**
- **Braided line pressure control equipment**
- **Grease injection hrad**
- **Fishing operations and rig up**
- **Fishing calculations**
- **Fishing procedure**
- **Swabbing**
- **Logging operations and memory tools**
- **Wire line challenges**
- **Post-course exam and evaluation**

COURSE CERTIFICATE

TRAINIT ACADEMY will award an internationally recognized certificate(s) for each delegate on completion of training.

COURSE FEES

£5,750 per Delegate. This rate includes participant's manual, Hand-Outs, lunch, coffee/tea on arrival, morning & afternoon of each day.

COURSE METHODOLOGY

The training course will be highly participatory and the course leader will present, guide and facilitate learning, using a range of methods including formal presentation, discussions, sector-specific case studies and exercises. Above all, the course leader will make extensive use of real-life case examples in which he has been personally involved. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

- 30% Lectures

- 30% Workshops and work presentation
- 20% Case studies & Practical Exercises
- 10% Role Play
- 10% Videos, Software or Simulators (as applicable) & General Discussions