

# ***Target Exploration***

**Energy Geosciences Research & Development**



**Announcing a New Target Exploration Course (TarC-14)**

# **HSE and Surface Production Facilities in Oil Fields**

**Two Days Course: 18-19 November 2018**

**Venue: Somerset Hotel, Panorama Mall, Muscat, Oman**

**Instructor: Ali Al Lawati, Engineering Manager, Petrogas EP Oman**

**Organizer: *Target Exploration Consultants, London, UK***

## Course Objectives

This introductory 2 days course is very useful for individuals who have newly joined oil companies. The program mainly covers the process of various oil field equipment, the hazards that exist generally in oil fields, the procedures and the work practices established so far. The program also touches the standards used in industry and it attempts to capture main HSE issues. The references given equip participants with enough knowledge to further explore raising queries throughout their work in the said industry. By understanding the process and the safe guarding of each item the participant will be able to see and avoid hazards faced. In addition the participants are introduced to some key working procedures that are currently being implemented in oil industry such as Permit to work system. The program will be delivered in an interactive manner to maximise the passage of experience from instructor to participants.

The main objectives of this course are to introduce participants to the process and the facilities as well as HSE side of oil industry. In other words and by end of the course they should:

- Possess a knowledge of various equipments and bits and pieces that exist at any oil field
- Be able to describe various oil, water and gas handling process that are common in oil fields and describe the functionality of equipments associated
- Know about the work processes that are implemented in oil industries now days
- Have a sense of Hazard identification and assessing the common HSE risks in oil industry
- Be equipped with good references on standards and process knowledge

The experience sharing, multidisciplinary engagement and the discussions on selected topics with experienced facilitator will create a knowledge that is normally acquired in years of experience and would be useful to appreciate various equipments and HSE procedures kept in place.

## Who Should Attend

The course is seen mandatory to all new comers and to people who have and are currently working in oil fields. The course is also beneficial to engineers who are coastal based but requires to understand and have reference to what function each item performs and to be able to see hazards around facilities that they design, procure, construct and commission.

## Pre-requisites

Previous experience is not seen necessary for this course; as adequate guidance is given to participants during the programme through individual and group work. However, English language is a must.

## Training Methodology

This programme is based on systematic multi-disciplinary Group discussions on selected topics. The training uses theory part of equipments and relates it to its desired function in field and the actual performance of the equipment. The training is also extended with group exercises and case studies to grasp various course modules and keeping participants involved.

## Course Content

- Introduction To oil field
- Oil Field Facilities
  - Pipes, Valves, Fittings
  - Wellhead and down hole equipment
  - Choke Headers and Manifolds
  - Separators
  - Oilfield pumps
  - Reciprocating Compressors
  - Sampling
  - Tanks and Vessels
  - Utilities
- Special Process Equipments
  - De-Salter's
  - Water systems
  - Pigging
  - Heat exchangers and heaters
  - Chemical Injection
  - Metering
  - Glycol Dehydration
- Lifting Methodologies
  - Gas lift
  - Water flood and Water Injection
- Safeguarding
  - Instrumentation and Control
  - Relief valves
- Hazards in oil field
  - Fires
  - Gases
  - Electrical
  - Pressure
- Oil Field working Procedures
  - Emergency Equipment
  - Isolation Procedures
  - Start-ups and shutdowns
  - Permit to Work

## Participants Receives

- A. Course materials with up to date reference list
- B. Certificate of course Completion

## Course Logistics

**Venue:** The Somerset Hotel, Panorama Mall. Muscat, Oman

**Date:** 18-19 November 2018

**Timing:** Course starts at 08:00 am and ends at 16:30 pm

**Language:** English

Format: 4 sessions of 1.5hr each and 2 Refreshments, 1 Lunch breaks/Day

Ideal No.: 20 Participants



**Instructor: Ali Al-Lawati, Operation Excellence Manager, QHSSE Department, Petrogas EP.** (Certified Lean practitioner and Certified facilitator by IAF)

**2007-Present-Engineering Chief - Operation Manger – Engineering Manager, Petrogas EP, Muscat, Oman**

Ali championed LEAN project on well delivery process realizing considerable value improvement and savings while building in-house expertise and influencing company culture. Set global processes in Petrogas businesses such as GP20 risk management, Technical authority while conducting value engineering and value improvement processes. Set competencies for engineering different disciplines and lead value assurance sessions to land on proper decisions for projects way forward. Managed full surface engineering, field operations and partially subsurface as operation manager for four years with an improved record of performance production, culture and human resource. Managed engineering department for Daleel (Petrogas affiliate) delivering number of projects meeting production forecast and within budget set.

**2003-2007, Head of concepts - Capital to Value - Sr. Project engineer, Petroleum development of Oman (PDO), Muscat, Oman**

Heading concept team for major PDO projects in northern PDO Concessions, Ali done a number of concept challenges and utilizing peer expertise. Exposed heavily to shell global processes in order to influence PDO engineers work methodologies. He was trained as a facilitator to run challenge and value improvement and assurance sessions (i.e. value engineering, opportunity framing, project health check, project reviews and value assurance reviews). Lead organizing team and facilitated engineering forum for > 200 PDO engineers.

**1997-2003, Production and Project Engineer, Japex Oman Oil Company, Muscat and Field at Ibri (Daleel)**

Delivered number of projects i.e. diesel generators installation, introducing GRE to the company, replacing of firefighting halon system, conducting water management study through consultant, overhauling main gas generators. Managing day to day maintenance and field requirement from technical aspect. Worked as superintendent for Daleel field managing production, company manpower in field and contractors on site.

**1993-1997, Construction Engineer - Design Engineer - Flowline project engineer, Petroleum development of Oman (PDO), Muscat, Oman.**

Worked as flow-line project engineering writing scopes, handling reporting, budget, flow-line contract, procurement, construction and commissioning. Worked as a design engineer in design office seconded from PDO. Worked in interior (Qarn Alam) as a construction engineer executing scopes awarded to contractors. Heavily exposed to actual material and HSE site issues.

## Registration Form



**HSE and Surface Production Facilities in Oil Fields: Two Days Course**  
**Date: 18-19 November 2018 @ Somerset Hotel, Panorama Mall, Muscat, Oman**

### PERSONAL DETAILS

Delegate	Name	Position	Telephone	E Mail
1 <sup>st</sup> Delegate				
2 <sup>nd</sup> Delegate				
3 <sup>rd</sup> Delegate				
4 <sup>th</sup> Delegate				
5 <sup>th</sup> Delegate				

### PAYMENT DETAILS

Registration fee for single participant is US\$ 2,500 (includes course materials, coffee and lunches). There is an escalating group registration discount, as in the table below:

Number of participants	Registration Fee in US\$/Participant
One to Five Participants (1 -5)	2,500.00
Six to Ten Participants (6 - 10)	2,250.00
> Ten Participants ( > 10)	2,000.00

Course registration payments should be credited to Target Exploration Consultants bank account no later than 30 days before the date of the course. Payment receipt is a proof of course registration.

**Bank Transfer:** Send Bank Account Details of Target ECL to \_\_\_\_\_

**Credit Card Payment:**

**VISA**       **AMERICAN EXPRESS**       **MASTERCARD**

**Credit Card No:**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

Expiry Date		Card Verification Code	
Cardholder		Cardholder Signature	
Date		Cardholder Address	
		Post Code	

To register, please fill and e-mail this registration form to: **Dr. Muhammad W. IBRAHIM**, Target Exploration Consultants. 65 Kenton Court, London W14 8NW, UK. **Tel:** +44 (207) 371 2240

**Email:** [m.ibrahim@targetexploration.com](mailto:m.ibrahim@targetexploration.com) **No refund for cancelation within 30 days of the course date**