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COURSE FOR PRODUCTION FACILITIES

BY : UZIT TECHNOLOGY SDN. BHD. (865501-D)



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ABOUT US

WE ARE PETRONAS LICENSE HOLDER FOR TRAINING SPECIALIZE SERVICES. WE HAVE BEEN CONTINUOUSLY SERVING PETRONAS SINCE 2009.

WE HAVE ALSO SERVED FEW OTHER REPUTABLE CLIENTS, INCLUDING GOVERNMENT AGENCIES.



UZIT
TECHNOLOGY
Moving Towards Excellence

OUR TEAM



HUSIAH BT MAZLI

ADMINISTRATION



**HAJI MOHAMMAD
LATIF B MAD DESA**

*HRDC CERTIFIED
TRAINER*



**HAJI MOHD ZAKI B
AWANG**

*HRDC CERTIFIED
TRAINER*

SERVICES

- 1 TRAINING SPECIALIST
- 2 MANPOWER SUPPLY
- 3 PROJECT MANAGEMENT
- 4 DRILLING CONSULTANCY
- 5 PRODUCTION TECHNOLOGY
- 6 WELL, INTERVENTION, P&A CONSULTANCY



TRAINING SPECIALIST

OUR TRAINERS

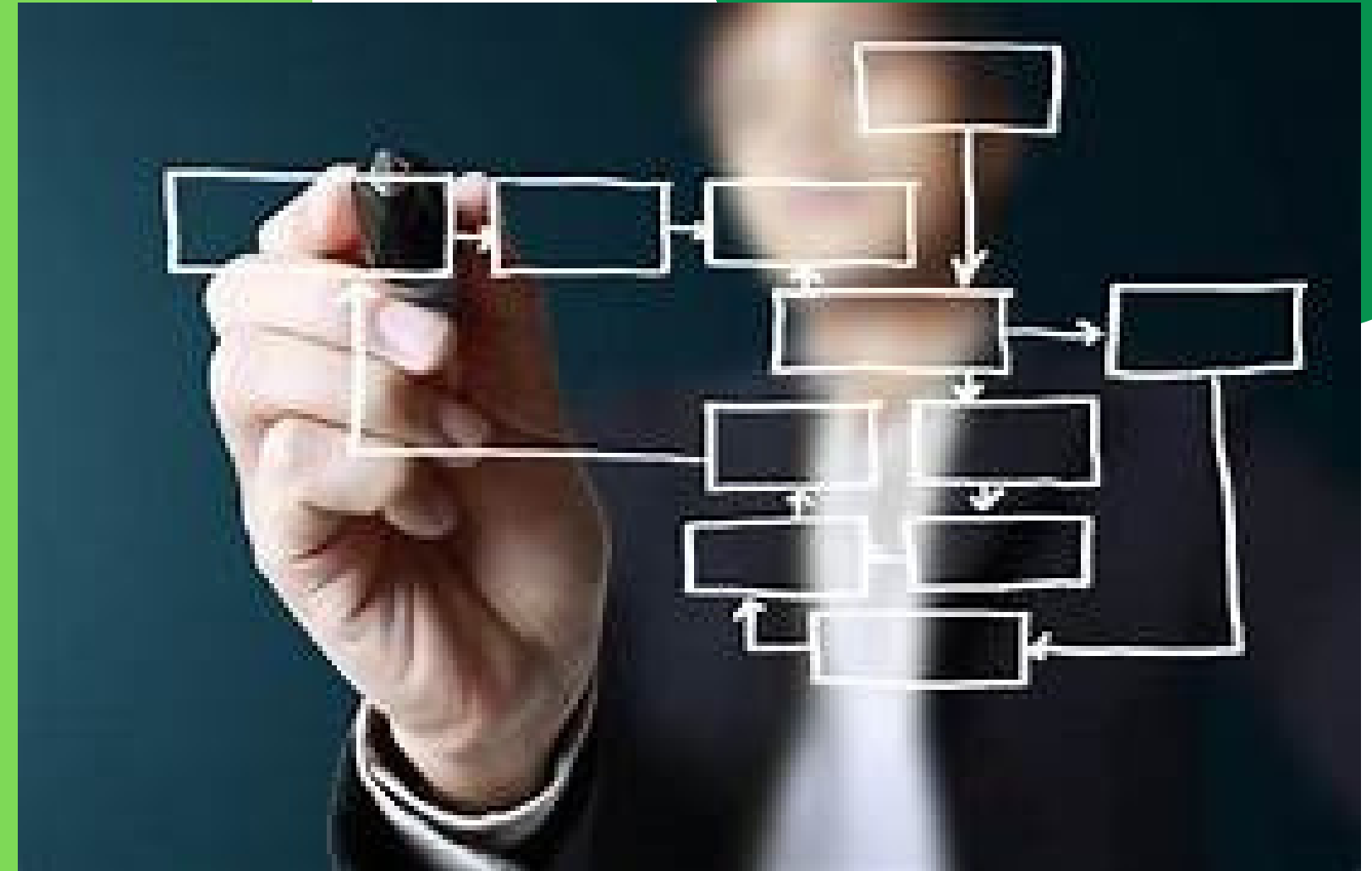
OUR TRAINERS ARE HIGHLY QUALIFIED IN THEIR AREA OF EXPERTISE AND HAVE MANY YEARS OF EXPERIENCE IN UPSTREAM AND DOWNSTREAM OIL AND GAS SECTOR.

OUR TRAINING

WITH EXTENSIVE LIST OF HIGHLY EXPERIENCED TRAINERS, UTSB PROVIDES VARIOUS TRAINING SPECIALIST FOR OIL AND GAS UPSTREAM AND DOWNSTREAM SECTOR.

OBJECTIVE

THIS COURSE WAS DESIGNED FOR PARTICIPANTS TO GAIN AN UNDERSTANDING ON THE FUNDAMENTALS OF OIL AND GAS FORMATION, EXPLORATION AND PRODUCTION.



PROGRAMME METHODOLOGY



- Lecture or Team Learning
- Sub-groups discussion and conversation with designed framework
- Group discussion, conversation and reflection with facilitation
- Class exercise or case study
- Hands-on practical or site visit
- Assessment

DIVISION :

**INTEGRATED
HYDROCARBON SUPPLY
CHAIN**



LEVEL 1

INTRODUCTION TO INTEGRATED SUPPLY CHAIN

Day #	Topic
1	Overview of HC Supply Chain
	Production Planning (Upstream)
	Operation Fundamental
	Upstream Operation Fundamental
2	Instrumentation & Maintenance
	Operation Management
3	Rotating Equipment & Maintenance
	MOC Common
	HSE in Operations
4	Drilling & Revisits
	Sub-surface Services
	Wire line Services
5	Production Planning (Downstream)

LEVEL 2

INTEGRATED HC SUPPLY CHAIN & OPTIMIZATION

Day #	Topic
1	Artificial Lift System
	Gas Lift Design_IPO
2	Gas Lift Design_PPO
	Well Perforation
3	Road Pump
4	Sand Control
	Well Stimulation
5	Secondary Recovery, Tertiary Recovery

LEVEL 2

GAS LIFT OPTIMIZATION

Day #	Topic
1	Introduction
	Physical Property of Well
	Inflow Performance Relation (IPR)
	Vertical Lift Performance
	Typical of Artificial Lift
2	Gas Lift Fundamental
	Gas Lift Installation & Equipment
	Gas Lift Operation
	Gas Lift Allocation & Optimisation
	Gas Lift Instability
3	Gas Lift Monitoring System
	Well Surveillance
	Interpretation of Pressure Chart Recorded
	Gas Lift Troubleshooting

LEVEL 2

SURFACE PRODUCTION FACILITIES OIL/GAS HANDLING

Day #	Surface Production Facilities Topics
1	Hydrocarbon Compositions & Properties
	Fluid Flow
	Heat Transfer
2	Separation Process
3	Gas Dehydration
4	Emulsion & Oil Treating
	Gas Compression
5	Crude Oil Pumps
	Water Treating
	Measurement for Oil & Gas

LEVEL 2

PRODUCTION OPERATIONS

Day #	Production Operations Topics
1	Well Completion & Design
	Type of Well Completion
	Wellhead & Christmas Tree
	Well Completion & Accessories
2	Tubing Selection Consideration
	Perforating
	Operations Procedure
	Well Intervention

Day #	Production Operations Topics
3	Sand Control
	Artificial Lift
	Formation Damage
4	Introduction to Stimulation
	Sandstone Acidising
	Carbonate Acidising
	Hydraulic Fracturing
	Non-Acid Treatments

LEVEL 2

WELL PROGRAMMING & INTEGRATED PRODUCTION ENHANCEMENT

Day #	Topic
1	Introduction
	Surface Equipment
	Downhole Equipment
	Reservoir Engineering Overview
2	Nodal Analysis
	Sand Control - Prodn & Prevention
	Selection of Sand & Screen Size
	Gravel Packing
	Sand Control Screens
3	Screenless Completions
	Well Inflow Performance
	Productivity Impairment
	Darcy-non Darcy Skins
4	Perforating Technology
	Gas Well Deliverability
	Well Outflow Performance

Day #	Topic
4	Stimulation Introduction
	Hydraulic Fracturing
	Sandstone Acidizing
	Carbonate Acidizing
	Non-Acid Treatments
5	Aspects of Horizontal Well Stimulation
	Electrical Submersible Pumps Standard Application
	Gas Lift
	Hydraulic Pumps
	Sucker Rod Pumping Systems
	Progressing Cavity Pumps

LEVEL 2

DRILLING FUNDAMENTALS & FLOW ASSURANCE

Day #	Topic
1	Drilling Overview
	Rig & its Component
	Drillstring
	Drilling Fluids
2	Drill Bits
	Directional Drilling
	Casing & Cementing
	Drilling Problems
	Pressure Concept & Calculation

Day #	Topic
3	Well Control
4	Inorganic Scales
	Corrosion & Microbiological Aspects
	Waxes
	Asphaltenes
5	Soaps & Emulsion
	Occurrence & Treatment Options
	Coiled Tubing Equipment
	Well Intervention

LEVEL 2

HC ACCOUNTING & ALLOCATION

Day #	Topic
1	Introduction
	Allocation Principles and Options
	Metering
2	Sampling & Product Analysis
	Irregularity
	Reallocation to Reservoir
3	Measurement
	Hydrocarbon Inventory
	BUST
	Stock Loss & Control
4	HC Accounting & Apportionment

LEVEL 2

HC MOVEMENT

Day #	Topic
1	Introduction
	Expectation
2	Objectives Inventory Management & Supply Chain
	Recaps

LEVEL 3

ADVANCE OIL & GAS HANDLING (SUBSURFACE)

Day #	Topic
1	Oil & Gas Pipeline & Process Piping
2	Pipeline & Piping System Design
3	Flow Assurance
	Corrosion & Pipeline Integrity
4	Instrumented Safeguarding System
5	Gas Conditioning

CONTACT US

WE WOULD LIKE TO INVITE YOUR COMPANY TO ATTEND THE COURSES WITH THE RESPECTIVE OFFER. SHOULD YOU HAVE ANY QUERIES, KINDLY FEEL FREE TO CONTACT US AS BELOW.



019-983 2504



admin.technology@uzitgroup.com



www.uzitgroup.com



Selangor, Malaysia



THANK YOU

