



مركز المستشار الوطني للتدريب  
National Consultant Centre For Training

## **NCC In-House Training Courses In**

### **Petroleum Engineering**

#### **I. GEOLOGY & EXPLORATION COURSES**

1. Applied Petroleum Geology
2. Comprehensive Geology
3. Exploration Geophysics
4. Open Hole Logging
5. Sandstone & Carbonate Reservoirs
6. Limestone Exploration
7. Petroleum Reef Reservoirs
8. Seismic Stratigraphy
9. Seismic Analysis of Stratigraphic Sequences
10. Exploration Stratigraphy
11. Origin & Evolution of Sedimentary Basins

#### **II. RESERVOIR EXPLOITATION COURSES**

1. Reservoir Engineering
2. Reservoir Science
3. Transient Well Testing
4. Advanced Reservoir Engineering
5. Hydrocarbon Behavior
6. Reservoir Simulation
7. Naturally Fractured Reservoirs
8. Well Log Interpretation
9. Comprehensive Waterflooding
10. Waterflooding – Reservoir Aspects
11. Enhanced Oil Recovery
12. Subsurface Reservoir Geology
13. Engineering Applications of Geophysical Data
14. Geothermal Reservoirs
15. Heavy Oil Technology
16. Gas Well Performance



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### **III. DRILLING TRAINING COURSES**

1. Drilling Practices
2. Effective Drilling Fluid Control
3. Making Hole
4. Casing & Cementing Technology
5. Keeping Shale (or Clay) Under Control
6. Solids Control in Drilling & Workover Fluids
7. Logging Drilling Parameters
8. Measurement While Drilling.
9. Relief Well Logging
10. Directional Drilling
11. Horizontal Drilling
12. Well Control
13. Drilling Fluids Technology
14. Basic Drilling, Completion & Workovers Operation
15. Horizontal Drilling Technology
16. Introduction to Drilling Technology
17. Hole Cleaning
18. Advanced Drilling Technology
19. Stuck Pipe Prevention
20. Coiled Tubing
21. Estimation of Hydrocarbon Reserves
22. Petroleum Risks & Decision Analysis
23. Reservoir Characterization
24. Guidelines for Handling Reserves
25. Water Injection Technology and Treatment
26. Surface Production Operation & Equipment
27. Well Stimulation Methods-Acidizing & Hydraulic Fracturing
28. An Engineering Approach to Deviated & Horizontal Drilling
29. Underbalanced Drilling Techniques
30. Well Completion & Workover
31. Oil Production by Gas Lift Methods
32. Well Control & Blowout Prevention
33. Management of Gas and Condensate Reservoirs
34. Artificial Lifting by Pumps
35. Oil & Gas Well Testing
36. Advanced Geostatic in Reservoir Modeling & Simulation
37. Carbonate Reservoirs: Sequence Stratigraphy & Sedimentology



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38. Special Core Analysis
39. Digital Acoustic Fluid Level Surveys Echometer/ Dynamometer

#### **IV. COMPLETIONS & WORKOVERS COURSES**

1. Completions & Workovers
2. Down hole Completion & Workover Operations
3. Better Workovers: Results & Costs
4. Completion Design for New Wells
5. Workovers at The Well Site
6. Key Workover Areas for The Man On The Rig
7. Down hole Techniques at The Rig
8. Well Control for Workovers
9. Stimulation of Oil & Gas Wells
10. Sand Control
11. Production Logging
12. Formation Damage Prevention
13. Horizontal Completions Coiled Tubing Technology
14. Coiled Tubing Technology

#### **V. PRODUCTION OPERATION COURSES**

1. Surface Production Operations & Equipment
2. Oil Production (Surface)
3. Field Handling of Natural Gas
4. Natural Gas Processing
5. Gas Technology
6. Waterflooding-Design Aspects
7. Design, Fabrication, Inspection & Maintenance Of Pressure Vessels
8. Design of Pressure Vessels Using ASME Code
9. Fabrication, Inspection, Repair & Testing of Pressure Vessels
10. Applied Combustion Technology
11. Process Plant Start-up
12. Petroleum Refinery Processing
13. College of Production Practices

#### **VI. ARTIFICIAL LIFT COURSE**

1. Artificial Lift Methods: An Overview
2. Beam (Rod) Pumping
3. Comprehensive Gas Lift



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4. Gas Lift Operations & Troubleshooting
5. Gas Lift Design & Optimization
6. Gas Lift for High Volume Producers
7. Electric Submersible Pumping

## **VII. MANAGEMENT & MULTI-PURPOSE COURSE**

1. Production Optimization with Systems Analysis
2. Water Treatment for Injection & Production
3. Injection of Seawater: Principles Practice & Problems
4. Scale in The Oilfield: Deposition, Removal & Prevention
5. Corrosion in Oil & Gas Fields
6. Corrosion, Scale, & Water Technology for Operations Personnel
7. Oilfield Production & Secondary Recovery for Laboratory Personnel & Technicians
8. Metallurgy in The Oilfield Welding Principles & Quality Control for The Oilfield
9. Water Soluble Polymers in The Oilfield
10. Production Engineering for Production Supervisors
11. Drilling & Completions for The Explorationist
12. Hydrogen Sulfide Safety
13. Implementing Environmental Programs in The Oilfield
14. International Oil & Gas Contracts & Negotiation