

## Well Testing Operations

*Barcelona (Spain)*

*4 - 15 May 2026*

UK Traininig

# PARTNER



## Well Testing Operations

Code: OG28 From: 4 - 15 May 2026 City: Barcelona (Spain) Fees: 8600 Pound

### Introduction

Well testing operations play a crucial role in the oil and gas industry, aiding in the assessment of reservoir conditions and predicting well behavior. This course offers a comprehensive training on well testing, focusing on the principles, methodologies, and practical applications involved. It aims to equip participants with the skills necessary to perform well tests, understand the involved equipment and techniques, ensure safety during operations, and effectively interpret test data to assess reservoir conditions and forecast well performance.

### Course Objectives

By the end of this course, participants will be able to:

- Understand the importance of well testing operations in optimizing well and reservoir performance.
- Learn different well testing methodologies and types, and how to efficiently perform them.
- Familiarize themselves with well testing equipment, including well water testing tools, oil well testing equipment, and surface testing apparatus.
- Conduct well testing operations safely and effectively, ensuring the proper use of techniques and equipment.
- Analyze well test data to diagnose reservoir conditions and predict well behavior.

### Course Outlines

#### Day 1: Introduction to Well Testing

- The role of well testing in the oil and gas industry.
- Reasons for performing well tests.
- Key terminology and concepts in well testing.
- Overview of well testing equipment and tools.
- Types of well tests and their practical applications.

#### Day 2: Methodology of Well Testing

- Initial perturbation: principles and effects.
- Constant pressure vs. constant rate conditions.
- Managing wellbore storage.
- Types of well test sequences and their purposes.
- Planning and preparation for well testing operations.

#### Day 3: Downhole Hardware Options



- Overview of downhole tools used in well testing.
- Gathering data from downhole sensors.
- Testing while drilling TWD methods and equipment.
- Testing after drilling completion.
- Traditional vs. wireline formation testing.

#### Day 4: Surface Testing Equipment

- Key components of surface testing equipment.
- Onshore vs. offshore well testing operations: differences and similarities.
- Using pressure gauges in well testing.
- Measuring gas, oil, and water flow at the surface.
- Calibration and maintenance of surface testing equipment.

#### Day 5: Well Testing Operations

- Equipment checks before starting well tests.
- Well control procedures during testing.
- Perforating techniques in well testing.
- Fluid behavior and sampling operations.
- The role of stimulation in well testing.

#### Day 6: Safety in Well Testing Operations

- Safety protocols and guidelines for well testing.
- Risk assessment and hazard identification.
- Emergency response plans for well testing operations.
- Ensuring safety during onshore and offshore testing.
- Case studies of safety incidents and lessons learned.

#### Day 7: Roles and Responsibilities

- Responsibilities of personnel involved in well testing.
- Communication and coordination among team members.
- Preparing reports and documentation.
- Regulatory compliance and standards in well testing.
- Training and competency development for testing personnel.

#### Day 8: Interpretation Approach: Basic Concepts

- Understanding the superposition concept in well testing.
- Diagnosing near-wellbore conditions.
- Identifying reservoir behavior and boundaries.
- Introduction to deconvolution techniques.
- Analyzing limited reservoirs and their challenges.

#### Day 9: Advanced Interpretation Techniques

- Predicting well behavior using test data.



- Advanced reservoir diagnostics.
- Understanding boundary effects in reservoir systems.
- Case studies on well test interpretation.
- Practical exercises on data interpretation.

## Day 10: Application and Review

- Hands-on exercises with real well testing scenarios.
- Group discussions on interpreting results.
- Application of testing methodologies in various environments.
- Course wrap-up: Q&A session.
- Final evaluation and certification ceremony.

## Why Attend this Course: Wins & Losses!

- Receive an internationally recognized well testing certification through a comprehensive training course.
- Gain practical skills in using advanced well testing equipment, including oil well testing equipment and environmental well testing tools.
- Learn how to interpret well testing data to diagnose reservoir conditions and predict well performance effectively.
- Stay up-to-date with the latest well testing methodologies used in the industry, including advanced testing techniques like wireline formation testing and testing while drilling TWD.
- Understand both onshore and offshore well testing environments, preparing you for diverse testing scenarios in the oil and gas industry.

## Conclusion

Well testing is an essential process for assessing and optimizing oil and gas reservoir performance. By attending this course, you will gain the expertise needed to execute well testing operations confidently, use well testing equipment effectively, and analyze test data to gain valuable insights into reservoir behavior and well performance. With practical experience and advanced skills, you will be better prepared to tackle well testing challenges in both onshore and offshore environments. Join us and start your journey to becoming a well testing expert!





# Blackbird Training Cities

## Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)  
(Switzerland)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich



Manchester (UK)



Milan (Italy)



## Blackbird Training Cities

### USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

### ASIA



Baku (Azerbaijan)  
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)  
Korea



Phuket (Thailand)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Seoul (South)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut





## Blackbird Training Cities

### AFRICA



Kigali (Rwanda)



Cape Town ( South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



## Blackbird Training Clients



MANNAI Trading  
Company WLL,  
Qatar



Alumina Corporation  
Guinea



Booking.com  
Netherlands



Oxfam GB International  
Organization,  
Yemen



Capital Markets  
Authority,  
Kuwait



Waltersmith Petroman Oil Limited  
Nigeria



Qatar National Bank  
(QNB),  
Qatar



Qatar Foundation,  
Qatar



AFRICAN UNION ADVISORY  
BOARD ON CORRUPTION,  
Tanzania



KFAS  
Kuwait



Reserve Bank of  
Malawi,  
Malawi



Central Bank of Nigeria  
Nigeria



Ministry of Interior  
Kingdom of Saudi Arabia  
KSA



Mabruk Oil Company  
Libya



Saudi Electricity  
Company,  
KSA



BADAN PENGELOLA  
KEUANGAN Haji,  
Indonesia



NATO  
Italy



ENI CORPORATE  
UNIVERSITY,  
Italy



Gulf Bank  
Kuwait



المؤسسة العامة للتأمينات الاجتماعية  
General Organization for  
Social Insurance  
KSA



Defence Space Administration  
Nigeria



National Industries  
Group (Holding),  
Kuwait



Hamad Medical  
Corporation,  
Qatar



USAID  
Pakistan



STC Solutions,  
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS  
UN.



هيئة تنظيم الكهرباء - عمان  
AUTHORITY FOR ELECTRICITY REGULATION, OMAN  
Authority for

UK Training  
**PARTNER**





## Blackbird Training Categories

### Management & Admin

Entertainment & Leisure  
Professional Skills  
Finance, Accounting, Budgeting  
Media & Public Relations  
Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Elevation

### Technical Courses

Artificial Intelligence (AI)  
Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
Customs & Safety  
Aviation  
C-Suite Training



International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom



+44 7401 1773 35  
+44 7480 775526



[Sales@blackbird-training.com](mailto:Sales@blackbird-training.com)



[www.blackbird-training.com](http://www.blackbird-training.com)

