

ENGINEERING DISCIPLINE GUIDES

Reservoir Engineering



Production Engineering

Drilling and Well Engineering

Facilities Engineering



RESERVOIR ENGINEERING

General			
<div>N936</div> <div>Reservoir Engineering Principles and Practice</div> <div>Alun Griffiths</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N980</div> <div>Petroleum Reservoir Fluids</div> <div>Mark McClure</div> <div>Level: Skilled Duration: 3 Days</div> <div></div>	<div>N986</div> <div>Reservoir and Production Engineering of Resource Plays</div> <div>Erdal Ozkan</div> <div>Level: Skilled Duration: 2 Days</div> <div></div>	<div>N996</div> <div>Gas Reservoir Engineering and Management</div> <div>Pete Smith</div> <div>Level: Skilled Duration: 4 Days</div> <div></div>
<div>N997</div> <div>Applied Reservoir Engineering</div> <div>Jerry Hadwin</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>EP004</div> <div>Essentials of Reservoir and Production Engineering</div> <div>N/A</div> <div>Level: Foundation Duration: 14 hours</div> <div></div>	<div>N614</div> <div>Fundamentals of Reservoir Engineering</div> <div>Saad Ibrahim</div> <div>Level: Foundation Duration: 5 Days</div> <div></div>	<div>N933</div> <div>Reservoir Engineering Fundamentals</div> <div>Alun Griffiths</div> <div>Level: Foundation Duration: 5 Days</div> <div></div>
<div>N006</div> <div>An Introduction to Reservoir Engineering for Geoscientists</div> <div>Mark Cook / Richard Oxlade / John Gallivan</div> <div>Level: Foundation Duration: 4 Days</div> <div></div>	<div>N422</div> <div>Reservoir Engineering for Non-Reservoir Engineers</div> <div>Jerry Hadwin</div> <div>Level: Foundation Duration: 4 Days</div> <div></div>		
Reservoir Management			
<div>N448</div> <div>Practical Reservoir Performance Analysis</div> <div>Alun Griffiths</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N484</div> <div>Reservoir Management for Unconventional Oil and Gas Resources</div> <div>Yucel Akkutlu</div> <div>Level: Skilled Duration: 4 Days</div> <div></div>	<div>N954</div> <div>Practical Approaches to Increased Recovery</div> <div>Andy Woods and Pete Smith</div> <div>Level: Skilled Duration: 3 Days</div> <div></div>	<div>N957</div> <div>Forecasting Production and Estimating Reserves in Unconventional Reservoirs</div> <div>John Lee</div> <div>Level: Skilled Duration: 4 Days</div> <div></div>
Reservoir Modelling			
<div>N441</div> <div>Data-Driven Reservoir Modeling: Top-Down Modeling</div> <div>Shahab Mohaghegh</div> <div>Level: Skilled Duration: 2 Days</div> <div></div>			

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Mode of Delivery



Classroom



Field



e-Learning

Skill Level



Skilled



Foundation



Awareness

RESERVOIR ENGINEERING

<div><div>N991</div><div>Well Testing for Improved Reservoir Description</div><div>Jamiolahmady Mahmoud</div><div>Level: Foundation Duration: 3 Days</div><div></div></div>	<div><div>N573</div><div>Enhanced Oil Recovery: Techniques, Practices and Simulation</div><div>Yucel Akkutlu</div><div>Level: Skilled Duration: 4 Days</div><div></div></div>	<div><div>N908</div><div>Well Testing and Pressure Transient Analysis</div><div>John Lee</div><div>Level: Skilled Duration: 4 Days</div><div></div></div>	<div><div>N934</div><div>PVT: Concepts, Methods, and Applications</div><div>Bahman Tohidi</div><div>Level: Skilled Duration: 3 Days</div><div></div></div>
<div><div>N935</div><div>Core Properties</div><div>Mehran Sohrabi</div><div>Level: Skilled Duration: 4 Days</div><div></div></div>	<div><div>N942</div><div>Gas Condensate Reservoir Engineering including HPHT</div><div>Jami Ahmady</div><div>Level: Skilled Duration: 5 Days</div><div></div></div>	<div><div>N943</div><div>Well Test Interpretation in Practice</div><div>Alain Gringarten</div><div>Level: Skilled Duration: 4 Days</div><div></div></div>	<div><div>N956</div><div>Enhanced Oil Recovery using CO2: Techniques, Practices and Simulation</div><div>Yucel Akkutlu</div><div>Level: Skilled Duration: 3 Days</div><div></div></div>
<div><div>N959</div><div>Hydraulic Fracturing for Conventional, Tight and Shale Reservoirs</div><div>Mike Smith / Carl Montgomery</div><div>Level: Skilled Duration: 4 Days</div><div></div></div>	<div><div>N961</div><div>Strategic Reservoir Simulation</div><div>Karl Stephen</div><div>Level: Skilled Duration: 5 Days</div><div></div></div>	<div><div>N969</div><div>Optimizing Waterfloods</div><div>Rob Lavoie / Brian Weatherill</div><div>Level: Skilled Duration: 3 Days</div><div></div></div>	<div><div>N989</div><div>Unconventional Reservoir Rate-Transient Analysis</div><div>Chris Clarkson</div><div>Level: Skilled Duration: 3 Days</div><div></div></div>
<div><div>N745</div><div>Reservoir and Production Engineering Aspects of Waterflooding</div><div>Pete Smith</div><div>Level: Skilled Duration: 4 Days</div><div></div></div>	<div><div>N606</div><div>Waterflood Design, Management, and Optimization</div><div>Brian Weatherill</div><div>Level: Foundation Duration: 3 Days</div><div></div></div>	<div><div>N967</div><div>Introduction to Reservoir Engineering</div><div>Rob Lavoie / Brian Weatherill</div><div>Level: Foundation Duration: 5 Days</div><div></div></div>	

Reservoir Engineering Techniques

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Production Engineering

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Facilities Engineering

Mode of Delivery



Classroom

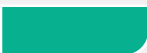


Field



e-Learning

Skill Level



Skilled



Foundation



Awareness

PRODUCTION ENGINEERING

General

N472

Reservoir Surveillance: Field Development and Production Optimization and the Impact on Completion Design

Dennis Dria

Level: Skilled Duration: 3 Days

N473

Fiber-Optic Sensing: Diagnostic and Surveillance Applications and Deployment

Dennis Dria

Level: Skilled Duration: 2 Days

N940

Modern Completion and Production Enhancement Techniques

Jonathan Bellarby

Level: Skilled Duration: 5 Days

N944

Shale Gas and Shale Oil Completions Using Multi-Staged Fracturing and Horizontal Wells

George King

Level: Skilled Duration: 2 Days

N976

Mature Field Production Operations and Reservoir Management

John Davies and Pete Smith

Level: Skilled Duration: 5 Days

EC025

Well Planning and Drilling Operations

N/A

Level: Foundation Duration: 6 hours

EC026

Reservoir Engineering and Well Optimisation

N/A

Level: Foundation Duration: 3 hours

EC028

Well Production Operations

N/A

Level: Foundation Duration: 3 hours

EC036

Delivering Exploration & Appraisal Wells Safely

N/A

Level: Foundation Duration: 8 hours

EP004

Essentials of Reservoir and Production Engineering

N/A

Level: Foundation Duration: 14 hours

N474

Artificial Lift Technology for Multi-Well Pads in Unconventional Plays

Rajan Chokshi

Level: Foundation Duration: 3 Days

N475

Surface Flow Assurance for Large Scale Pad Development in Unconventional Plays

Cem Sarica and Eduardo Pereyra

Level: Foundation Duration: 5 Days

N481

Fiber-Optic Sensing: Introduction to the Technology and In-Well Sensing Applications

Dennis Dria

Level: Foundation Duration: 1 Days

N508

Optimizing Development of Unconventional Reservoirs: Well Spacing, Stacking and Sequencing of Wells

Robert Hull and Mike Zuber

Level: Foundation Duration: 3 Days

N915

Introduction to Production Operations

John Davies

Level: Foundation Duration: 3 Days

N979

Production Operations

Ivor Ellul and Victor Taylor

Level: Foundation Duration: 4 Days

N985

Introduction to the Science and Technology of Water Management

John Walsh

Level: Foundation Duration: 3 Days

N608

Fundamentals of Well Completions and Workovers

Michael Gallup / Idi Ishaya

Level: Awareness Duration: 3 Days

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Mode of Delivery

- Classroom
- Field
- e-Learning

Skill Level

- Skilled
- Foundation
- Awareness

DRILLING AND WELL ENGINEERING

Drilling Technology			
<div>N687</div> <div>Advanced Directional Drilling and Advance Surveying Techniques</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N697</div> <div>Extended Reach Drilling (ERD) Program</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N738</div> <div>Applied Drilling Engineering Optimization</div> <div>Robello Samuel</div> <div>Level: Skilled Duration: 2 Days</div> <div></div>	<div>N672</div> <div>Applied Drilling Engineering</div> <div>Evren M. Ozbayoglu</div> <div>Level: Foundation Duration: 5 Days</div> <div></div>
<div>N694</div> <div>Basic Drilling Technology</div> <div>Kevin Gray</div> <div>Level: Foundation Duration: 5 Days</div> <div></div>	<div>N739</div> <div>Horizontal Drilling & Extended Reach Drilling</div> <div>Robello Samuel</div> <div>Level: Foundation Duration: 2 Days</div> <div></div>	<div>N741</div> <div>Principles and Practices of Mud Motor</div> <div>Robello Samuel</div> <div>Level: Foundation Duration: 2 Days</div> <div></div>	<div>N742</div> <div>Directional Drilling</div> <div>Robello Samuel</div> <div>Level: Foundation Duration: 2 Days</div> <div></div>
<div>N615</div> <div>Introduction to Offshore Drilling</div> <div>Richard Heenan</div> <div>Level: Awareness Duration: 2 Days</div> <div></div>	<div>N642</div> <div>Introduction to Onshore Drilling</div> <div>Richard Heenan</div> <div>Level: Awareness Duration: 2 Days</div> <div></div>		
Management and Well Operations			
<div>N689</div> <div>Drilling Fluids</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 3 Days</div> <div></div>	<div>N690</div> <div>Stuck Pipe, Design and Operational Practices for Avoidance</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N691</div> <div>Well Integrity Management & Barrier Verification</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N692</div> <div>Well Cost Control & Forecasting</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>
<div>N696</div> <div>Drilling Rig Selection & Inspection for Performance Optimization</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N698</div> <div>HPHT Well Engineering</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N740</div> <div>Introduction To HPHT Well Design</div> <div>Robello Samuel</div> <div>Level: Foundation Duration: 2 Days</div> <div></div>	

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Mode of Delivery



Classroom



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Awareness

DRILLING AND WELL ENGINEERING

Well Planning and Design			
<div>N529</div> <div>Well Integrity Cement Evaluation</div> <div>Gary Frisch</div> <div>Level: Skilled Duration: 3 Days</div> <div></div>	<div>N688</div> <div>Drillstring Design</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 3 Days</div> <div></div>	<div>N693</div> <div>Casing Design & Well Integrity Engineering</div> <div>Kevin Gray</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N943</div> <div>Well Test Interpretation in Practice</div> <div>Alain Gringarten</div> <div>Level: Skilled Duration: 4 Days</div> <div></div>
<div>N998</div> <div>Well Completion Design</div> <div>Jonathan Bellarby</div> <div>Level: Skilled Duration: 5 Days</div> <div></div>	<div>N600</div> <div>Well Planning and Execution</div> <div>Christine Telford</div> <div>Level: Foundation Duration: 5 Days</div> <div></div>	<div>N608</div> <div>Fundamentals of Well Completions and Workovers</div> <div>Michael Gallup</div> <div>Level: Foundation Duration: 3 Days</div> <div></div>	<div>N695</div> <div>Introduction to Drilling, Completion, and Workover Operations</div> <div>Kevin Gray</div> <div>Level: Foundation Duration: 5 Days</div> <div></div>
<div>N743</div> <div>Drillstring Design Practices</div> <div>Robello Samuel</div> <div>Level: Foundation Duration: 2 Days</div> <div></div>	<div>N744</div> <div>Well Engineering: Torque and Drag and Hydraulics</div> <div>Robello Samuel</div> <div>Level: Foundation Duration: 2 Days</div> <div></div>		

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Awareness

FACILITIES ENGINEERING

Pipeline and Process Engineering			
N611 Introduction to Crude Oil Gathering and Processing Dale Kraus Level: Foundation Duration: 2 Days	N612 Introduction to Natural Gas Gathering and Processing Dale Kraus Level: Foundation Duration: 2 Days	N613 Natural Gas Processing - Dehydration, Refrigeration, and Fractionation Dale Kraus Level: Foundation Duration: 3 Days	N632 Sour Gas Treating Edward Wichert Level: Foundation Duration: 1 Days
N634 Acid Gas Compression and Injection Edward Wichert Level: Foundation Duration: 1 Days	N635 Metering of Natural Gas and Associated Liquids Edward Wichert Level: Foundation Duration: 1 Days	N643 Sulphur Recovery Edward Wichert Level: Foundation Duration: 1 Days	N733 Subsea Pipeline Engineering David Newman Level: Foundation Duration: 3 Days
N734 Onshore Pipeline Engineering David Newman Level: Foundation Duration: 3 Days	N736 Process Piping Code, P&IDS and Engineering Drawings Interpretation David Newman Level: Foundation Duration: 3 Days	N983 Pipeline and Process Engineering Ivor Ellul Level: Foundation Duration: 4 Days	
Storage and Transport			
N609 API 650, 653, and 620 Storage Tanks Philip Myers Level: Foundation Duration: 2 Days	N626 Introduction to ASME Section VIII Division 1 Pressure Vessel Code John Curry Level: Foundation Duration: 3 Days	N686 Oil and Gas Storage Tanks: Design, Operation, and Maintenance David Newman Level: Foundation Duration: 5 Days	N737 Oil and Gas Transport David Newman Level: Foundation Duration: 3 Days

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Awareness

Our goal is to collaborate with our customers to develop the competencies and capability of their workforce through integrated learning that supports their roles and promotes individual development driving organizational excellence.

Our expertise brings flexible and scalable solutions from a diverse energy portfolio in the design, development of technical content and knowledge-based programmes delivered by expert instructors. Our technical and learning expertise help organisations develop the competencies, skills and knowledge they need to fulfill their collective potential.

The stand-out for our clients is that we use our deep expertise to solve problems that matter, making them easy to understand and we're easy to work with – Making complex easy.

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E: rps.energytraininginfo@tetrattech.com

