



Integrated Development & Shale (Tight) Oil & Gas EP03



**Oil & Gas
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Course Description

Unconventional reservoirs are reservoirs which make for extremely difficult hydrocarbon extraction. Tight reservoirs/plays are characterised by very hard and non-porous rocks, with extremely low permeability. The development of such reservoirs requires unconventional methods to make production economically viable; capturing the additional constraints to the reservoir's performance.

This program will discuss the characteristics of such reservoirs, current methods of production, implications and limitations. At the end of the program attendants will leave with a comprehensive understanding of the principles involved in developing tight gas and oil reservoirs.

Course Content

- Geological characteristics of the environment – occurrence of tight sands
- Occurrence of tight plays – where and how
- Rock properties of tight gas formation – porosity, permeability etc
- Rock properties of tight oil formation – porosity, permeability etc
- Effect of properties
- Challenges of producing a tight gas reservoir
- Current techniques and solutions
 - The use of seismic surveys
 - seismic data acquisition techniques
 - Drilling Techniques – deviated wells –
 - Myriad directional wells from one location – advantages
 - Secondary Production Stimulation
 - Fracturing
 - Acidizing
- Challenges of producing tight oil
- Difference between Conventional Oil and Unconventional Oil (Tight Oil) – difference in Oil Properties – if any
 - Shale Oil
- Production Stimulation Methods and applications
 - Multistage Fracturing
 - Infill Drilling
- Environmental Footprint
 - Minimizing the effect

Who should attend:

Reservoir Engineers, Geologists and Geoscientists, Production and completions engineering, managers and supervisors, project management staff, and other personnel in E&P operations

Venue:

Please visit our website or contact us for details.

Course Fee:

£2,950 + VAT

**5 easy ways to
register or to
make an enquiry:**

1.Web

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2.Email

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