



InTuition
Energy Associates Ltd.

Bringing Innovation Through Knowledge

www.intuition.name

InTuition Energy Associates

InTuition Energy Associates is a global, innovative oil and gas training and consulting company – with offices in Houston, TX and Singapore. Our mission is to set new standards in oil and gas training by providing clients with up-to-date courses focused on the latest technology developments, challenges and applications – while never losing sight of the basics.

InTuition offers a series of new and improved oil and gas short courses and seminars. Each course blends recent advances in specialty disciplines with environmental awareness. The courses are presented by dynamic and informative lecturers with global experience in both the operator and service sectors of the oil and gas industry. Our courses offer an insightful and practical approach to training. Participants will not only gain a working knowledge of fundamental oil and gas concepts; they will be able to translate this knowledge into enhanced profit from their hydrocarbon-producing assets by application of appropriate technologies. InTuition achieves this by combining significant and varied oil and gas service and operator industry experience into our specialized courses

InTuition short courses and seminars are offered at different venues around the world. In addition to the roster of standard courses, Intuition specializes in designing custom courses tailored to the specific interest or needs of our clients. These can be taught "in-house" at the clients' offices, or a venue of the clients' own choosing.

InTuition also offers a selection of schools and seminars aimed at diverse technical and non-technical audiences. These seminars are designed to provide an overview of the oil and gas business, the terminology and the technology. These courses are of particular benefit to investors, accountants, financial service professionals, technologists, academicians and students seeking insight to the oil and gas industry – not available anywhere else.

InTuition Energy Associates are technical, operational and business specialists dedicated to providing clients the highest standard of education in a positive, relaxed and enjoyable atmosphere. Our consultants are based globally and are distinguished in their respective technical areas of expertise.

Please contact us at: www.intuition.name





About Our Associates

Phil Rae

Phil Rae has been involved in the oil industry for thirty years, the majority of which have been with major international service companies. Phil has lived and worked in most regions of the world but has spent the last 10 years in Asia and is now based in Singapore. He has wide-ranging theoretical and practical knowledge of oilfield operations, and specialist knowledge in the disciplines of cementing, acidizing and hydraulic fracturing. In addition to authoring some 40 SPE papers, Phil has also written numerous technical papers and articles for various oil and gas industry publications. He has been involved in the development of several key completion and stimulation technologies and holds several patents in these areas.

Phil has been a participant and served as a committee member or co-chair on several SPE Forums, Advanced Technology Workshops and Technical Conferences. In recognition of these efforts, he received the SPE Regional Service Award and the Technical Award for Drilling and Completions in 2005 and 2006, respectively. He serves on the SPE Forum Series Implementation Committee – Western Hemisphere, was a technical editor of the SPE Drilling and Completions Journal for many years and served as an SPE Distinguished Lecturer in 2004/2005. Phil is a graduate of Aberdeen University.

David Ross

David Ross obtained a BS degree in Petroleum Engineering from the University of Texas in 1982. Immediately after graduating he began his career with one of the major international service companies. During his 24 years of service with in the service industry, David gained a broad range of experience in the engineering disciplines of Hydraulic Fracturing, Well Cementing, Acidizing, Sand Control, Completion Fluids and Coiled Tubing Services. During his career he has been fortunate to work in a wide range of geographical environments that span the globe including, Alaska, Europe, North Sea, South America, South East Asia, Russia, the Middle East, Canada as well as South & West Texas. During his career David has been active in the SPE and has authored or co-authored numerous technical papers pertaining to cement slurry designs, completion techniques, sandstone acidizing systems, personnel training and QHSE management systems. He was also a principal co-author of the “Formation Damage - Causes, Prevention and Cures” and “Clear Brine Completion Fluids” technical manuals. Last but not least, David has been invited to serve as a lecturer on the 2007-2008 SPE Distinguished Lecturer Tour.





Kieran O'Driscoll

Kieran O'Driscoll has 24 years of worldwide petroleum industry experience in the service industry. He has worked in Europe, Africa, Middle East, Asia Pacific and Russia in a variety of roles in both technical and managerial spheres. He has authored several SPE papers relating to cementing and stimulation and authored or co-authored an extensive array of training materials used by one of the major service companies over the past 15 years. He developed the first applications of enzyme materials for use in removing mud polymer related damage in horizontal open hole completions and developed an alternative self diverting acid system. He has been active with SPE over the past 24 years including the Chairing of several industry SPE ATWs in fracturing, acidizing and cementing. Prior to joining the oil industry he worked in the mining industry and graduated with a Dip. CSM from the Cambourne School of Mines in 1980.



Courses and Seminars

InTuition provides customized training and solutions through the combination of course modules – from introductory to advanced – enabling clients to maximize their training investment.

Courses (3-4 days)

- Acidizing Concepts and Design
- Advanced Acidizing
- Advanced Cementing Concepts and Design
- Applied Fracturing Engineering
- Advanced Fracturing Applications
- Coiled Tubing Applications
- Fundamentals of Formation Damage
- Fundamentals of Fracturing
- Fundamentals of Well Cementing
- Remedial Cementing of Oil and Gas Wells
- Water Conformance
- Young Professionals and the Petroleum Industry

Seminars and Short Courses (1/2 to 2 days)

- Deep Water Cementing
- Environmental Compliance in the Oil and Gas Industry
- Introduction to the Oilfield Pumping Services Industry
- Introduction to the Oilfield for Investors
- Introduction to the Oilfield for Non Technical Staff
- Introduction to Mature Field Production Enhancement





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Course Descriptions

Detailed course outlines available on request



Email: courses@intuition.name
HOUSTON, TX – SINGAPORE – HO CHI MINH CITY, S.R. VIETNAM





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Acidizing Concepts and Design

This 4-day course introduces the student to acidizing, and helps to establish an appreciation for this extremely successful, but under-utilized, well stimulation method applicable in new wells, and in mature wells for field-wide production enhancement. The course introduces the student to the acid treatment types and applications, and the fundamentals needed to confidently and creatively design successful acidizing treatments, in both sandstone and carbonate formations.

Students receive a copy of the book *Production Enhancement with Acid Stimulation* (Leonard Kalfayan).

Course Outline

- History of Acidizing
- Importance and Benefits of Acidizing
- Acid Treatment Categories
- Damage and Skin
- Wellbore Cleaning
- Sandstone Acidizing
- Carbonate Acidizing
- Treatment Placement and Diversion
- Acidizing Additives and Products
- Examples
- Post-job Evaluation and Optimization
- Economics and Risk Analysis
- QHSE
- Future of Acidizing

Who Should Attend

Entry level engineers and technologists requiring training in various aspects of the oil industry; technical personnel, supervisors, and field personnel involved in or supporting production enhancement operations

Course Level

Intermediate - Qualifies for 3.2 CEU's or 32 PDH's





Advanced Acidizing

This 3-day advanced acidizing course is for the student already familiar with the basic concepts of acidizing and treatment design. The course continues with specific engineering design and considerations for all well candidate types in sandstone and carbonate formations. With a view to the future, unconventional and novel concepts, methods, and designs are presented and discussed. Instructors encourage an open and enjoyable atmosphere in which to share examples and ideas for improved acid stimulation. The goal of the course is to increase implementation of acidizing to benefit attendees' representative operations.

Course Outline

- Candidate Selection
- Sandstone Acidizing Design
- Carbonate Acidizing Design
- Industry Design Software Overview
- Unconventional and Novel Designs and Applications
- Economic Considerations and Risk Analysis

Who Should Attend

Engineers, scientists, managers, and field personnel involved in production enhancement operations who have a working knowledge of the fundamental principles of acid stimulation.

Course Level

Advanced - Qualifies for 2.4 CEU's or 24 PDH's





Advanced Cementing Concepts and Design

This 3-day advanced cementing course is for students already familiar with the basic concepts of well cementing and treatment design. The course provides specific engineering design considerations for a broad range of cementing, applications including; long term zonal isolation, deep water cementing, extreme high temperature high pressure cementing, permafrost cementing and gas well cementing. Specialized slurry designs for additional applications will also be covered. Instructors encourage an open and enjoyable atmosphere in which to share examples and ideas for improved cementing operations. The course is designed to augment the student's knowledge base in the increasingly broad discipline of well cementing.

Course Outline

- Long Term Zonal Isolation
- Deep Water Cementing
- Extreme High Temperature High Pressure (XHTHP) Cementing
- Foam Cementing
- Permafrost Cementing
- Gas Well Cementing
- Specialized Slurry Design

Who Should Attend?

Engineers and supervisory personnel involved in drilling, cementing and workover operations that wish to expand their knowledge base pertaining to specialized cementing applications.

Course Level

Advanced - Qualifies for 2.4 CEU's or 24 PDH's





Advanced Fracturing Applications

This 3-day advanced fracturing course is for students already familiar with the basic concepts of hydraulic fracturing and treatment design. The course provides specific engineering design considerations for a broad range of fracturing applications including; fracturing for sand control, acid fracturing, fracturing for tight gas and coal bed methane, re-fracturing, energized gas fracturing, high temperature & pressure (HTHP) Fracturing as well as techniques for multi-zone fracturing. Instructors encourage an open and enjoyable atmosphere in which to share examples and ideas for improved fracture stimulation. The course is designed to augment the student's knowledge base in the increasingly broad discipline of hydraulic fracturing.

Course Outline

- Field Development Based on Hydraulic Fracturing
- Fracturing for Sand Control
- Acid Fracturing
- Tight Gas Fracturing
- Coal Bed Methane Fracturing
- Re-fracturing
- Energized Gas Fracturing
- HTHP
- Multi-zone Fracturing Applications

Who Should Attend

Engineers and supervisory personnel involved in hydraulic fracturing operations who wish to expand their knowledge base of specialized fracturing applications.

Course Level

Advanced - Qualifies for 2.4 CEU's or 24 PDH's





Coiled Tubing Applications

This is a 4 day general course for engineers and supervisory personnel involved in workover and coiled tubing operations. The course provides a complete understanding of the basic theories as well as the materials and equipment utilized in conventional coiled tubing operations. The instructors encourage an open and enjoyable atmosphere, conducive for the student to learn the technical considerations, tools and design criteria associated with coiled tubing applications. The course also provides a sound basis for further training in modeling and software applications used to design coiled tubing jobs.

Course Outline

- Coiled Tubing Technical Considerations
- Technical Considerations
- Basic Coiled Tubing Tools
- Gas Lifting
- Stimulation
- Fill Removal
- Cementing and Zonal Isolation
- Milling and Drilling Operations
- Electrical Operations
- Fishing and Force Management
- High Pressure - High Temperature Applications

Who Should Attend

Engineers and supervisory personnel involved in workover and coiled tubing operations

Course Level

Intermediate - Qualifies for 3.2 CEU's or 32 PDH's



Fundamentals of Formation Damage

Course Description

This is a four day foundation course for anyone involved with well operations, providing a complete understanding of the mechanisms causing formation damage. The course will provide the student with the tools and knowledge of how to plan to avoid causing damage and where damage has taken place, what treatment options are available to remediate that damage. The course also provides a sound basis for further training in all aspects of well stimulation, drilling and production operations.

Course Outline

- Introduction to Formation Damage
- The Effect of Formation Damage
- Detection of Formation Damage
- Formation Damage Caused By Solids
- Clays And Fines
- Fluid Filtrate Damage
- Perforation Damage
- Formation Damage Caused By Bacteria
- Drilling, Completion and Workover Damage
- Acidizing Damage
- Fracturing Damage
- Organic Deposition
- Inorganic Scale Deposition
- Formation Damage Removal

Who Should Attend

Entry level engineers and technologists requiring training in various aspects of the oil industry; technical personnel, supervisors, and field personnel involved in or supporting production enhancement operations

Course Level

Intermediate - Qualifies for 3.2 CEU's or 32 PDH's





Fundamentals of Fracturing

This is a 4-day general course for engineers and supervisory personnel involved in hydraulic fracturing operations. The course provides a complete understanding of the basic theories as well as the materials and equipment utilized in hydraulic fracturing operations. The instructors encourage an open and enjoyable atmosphere, conducive for the student to learn the concepts and tools required to design, plan and execute a fracturing treatment. The course also provides a sound basis for further training in modeling and software applications used to design fracturing treatments.

Course Outline

- Basics of Hydraulic Fracturing
- Formation Properties
- Fracturing Fluids and Additives
- Fracturing Proppants and Additives
- Fracturing Equipment
- Introduction to Fracturing Design
- Treatment Execution and Monitoring

Who Should Attend

Engineers, geologists, scientists, and supervisory personnel involved in hydraulic fracturing operations..

Course Level

Advanced - Qualifies for 3.2 CEU's or 32 PDH's





Fundamentals of Well Cementing

This 4-day course introduces the student to the basic concepts behind primary and remedial cementing. The course provides the student with knowledge of cementing equipment, job types and applications, and the fundamentals needed to confidently and creatively design successful cementing jobs.

Course Outline

- Casing Cementing
- Casing Points
- Cementing Equipment and Casing Hardware
- Calculations Required For Cementing
- Cementing Temperatures
- Basic Cement Laboratory Tests
- Cementing Additives
- Lost Circulation
- Squeeze Cementing
- Plug Cementing
- Mud Removal
- Cement Design Checklist
- Cementing Design Simulators

Who Should Attend

This is an entry level course for those engineers and field personnel involved in drilling and well construction who need to learn about primary cementing operations and for anyone involved in well repair and abandonment activities..

Course Level

Intermediate - Qualifies for 3.2 CEU's or 32 PDH's





Oilfield Services for Mature Field Rejuvenation

This 3-day course introduces students to oilfield rejuvenation services that can be very successfully applied in mature fields to improve oil and gas recovery and extend field economic life. The course emphasizes a holistic approach to cost-effective implementation of appropriate applications on a multi-well / field-wide basis. Instructors encourage an open and enjoyable atmosphere in which to share examples and ideas for improved mature field production enhancement through remedial applications, and to benefit attendees' representative operations

Course Outline

- Current And Future Energy Demand
- Market Forces
- Increasing Role Of Mature Fields
- Remedial Service Applications
- Wellbore Cleaning
- Formation Damage Removal And Bypass
- Remedial Fracturing
- Production Maintenance Processes
- Water Conformance / Waterflood Enhancement
- Gas Shut-Off
- Gas Well Deliquification
- Completion Repair And Manipulation
- Zonal Isolation And Abandonment

Who Should Attend

Engineers, technical personnel, supervisors and field personnel involved in production enhancement operations.

Course Level

Intermediate - Qualifies for 2.4 CEU's or 24 PDH's



Remedial Cementing of Oil and Gas Wells

Remedial cementing is the name given to the process of repairing a poor primary cement job around steel tubulars in oil and gas wells. It is also a term widely applied to the recompletion of wells, using cement to shut-off old perforations that produce unwanted gas or water or perforations adjacent to depleted zones. The isolation of such intervals is important to maintain production from wells. Depleted zones act as pressure sinks and, if left open, valuable hydrocarbons are lost to such intervals. Zones that produce water, on the other hand, can readily cause total loss of production by hydrostatic loading in low pressure wells.

While it is not the only technique used to achieve isolation of troublesome intervals or to repair poor primary cement jobs, remedial cementing is the most widely applied. This 3-day course identifies the types of problem that are best addressed by remedial cementing and the design parameters used in the testing and selection of suitable cement systems for such applications. It also presents newer techniques that can reduce wellsite costs and improve results while minimizing environmental impact. The course also discusses in detail the techniques used for cement evaluation as well as their limitations both for identifying remedial cementing candidates and for assessing the effectiveness of those wells where remedial cementing has been carried out.

Course Outline

- Problems Associated With Primary Cementing
- Squeeze Cementing
- Plug Cementing
- Cementing Temperature Issues for Squeezes/Plugs
- Testing Procedures
- Improved Techniques for Remedial Cementing
- Cement Evaluation Techniques
- Rules of Thumb – Good and Bad!

Who Should Attend

Anyone who is routinely involved in primary cementing, workover or recompletion operations or who has supervisory duties associated with such work will find this course useful. It provides both theoretical and practical information on the correct processes and the common pitfalls associated with this important wellsite activity. Application of this knowledge can save rig time and increase the success ratio in remedial operations.

Course Level

Intermediate - Qualifies for 2.4 CEU's or 24 PDH's





Well Conformance

Well conformance is of increasing importance as fields mature and unwanted water production (and related operation expense) continues to rise. This is especially the case with waterflood operations, the most common secondary recovery technique. The objective of this 4-day course is to identify and categorize water production and injection problems – and match them with appropriate solution options; both mechanical and chemical. A further objective is to identify the appropriate service providers for each problem/solution category. The course includes the participation of top industry experts, and instructors encourage an open and enjoyable atmosphere in which to discuss experiences in attendees' representative operations, problems and possible solutions.

Course Outline

- The Role of Water Production in Oil and Gas Operations
- Produced Water Costs
- Surprising Economic Benefits of Conformance Control
- Water Conformance Problems and Categorization
- Matching Problems with Appropriate Solutions
- Combining Conformance and Stimulation

Who Should Attend

Engineers, geologists, scientists, and supervisory personnel involved with mature, high water cut fields, and waterflood operations.

Course Level

Intermediate - Qualifies for 3.2 CEU's or 32 PDH's



Young Professionals and the Petroleum Industry

This 4-day course is a blend of essential interpersonal and business skills that were likely not taught in any engineering school. Within the petroleum industry, demographics are indicating a significant number of industry professionals retiring in the short term. The consequence of this demographic shift is that our industry will require young professionals to fill the gap. They will be asked to step into more significant roles at potentially earlier phases of their careers than their predecessors. Will these young professionals be ready to make this adjustment to secure the future of our industry?

This course will equip young professionals with the tools and knowledge necessary to bridge the gap as they transition to a more significant role.

Presented as a winning combination of interactive and narrative styles this course uses numerous recognized sources in areas ranging from business literature, sales and entrepreneurship, and professional societies. These, along with the experience of InTuition's associate partners, have been utilized to create the foundation of the program.

To accelerate the learning process, attendees are asked to have access to a lap top computer and a basic knowledge of the Microsoft suite of software products.

Course Outline

- Presenting Technical Topics to an Audience
- Technical Writing Skills and Etiquette
- Communication
- Basic Negotiation Skills
- The Importance of Selling
- Mentoring & the Importance of Mentors
- Professional Development – The Lifelong Learning Process
- Collaborating and adapting to foster an enthusiastic team environment.

Who Should Attend

This is an entry level course for young engineers starting their careers in the oil industry.

Course Level

Intermediate - Qualifies for 3.2 CEU's or 32 PDH's



Custom Course Modules

InTuition allows you the client to request customized courses to better meet your training requirements. Courses can be constructed from the modules listed here and from those listed in the course outlines to create a program better suited to your operational and geographic location. For more information please contact us through our website at www.intuition.name

Hydraulic Fracturing

- Fundamentals of Hydraulic Fracturing
- High Permeability Fracturing
- Tight Gas Fracturing
- Coal Bed Methane (CBM) Fracturing
- Gas Shale Fracturing
- Fluids, Additives and Proppants
- HTHP Fracturing
- Energized Gas Fracturing
- Fracturing Equipment and Processes
- Multi-Zone Fracturing
- Acid Fracturing
- Re-fracturing

Acidizing and Matrix Applications

- Formation Damage
- Sandstone Acidizing
- Carbonate Stimulation
- Acid Fracturing
- Non-acid Stimulation
- Treatment Placement Techniques
- Chemical Treatment Products
- Oilfield Primer - Geology

Cementing

- Fundamentals of Primary Cementing
- HPHT Cementing
- Deepwater Cementing
- Foam Cementing
- Permafrost Cementing
- Long-term Zonal Isolation
- Remedial Cementing
- Cementing Products
- Additional Specialized Slurry Designs
- Cementing Equipment and Processes
- Cement Lab Equipment and Practices

Remedial Well Applications

- Wellbore Cleaning
- Formation Damage Removal
- Remedial Fracturing
- Inhibition Processes
- Water and Gas Management
- Gas Well Deliquification
- Completion Manipulation
- Completion Repair
- Re-completion
- Zonal Isolation and Abandonment
- Diagnostics

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Designing a Custom Course

InTuition Energy Associates allows you, the client, to construct custom courses to more closely meet the needs of your operations in the area where you work. To accomplish this we take one of our standard course offerings and change modules, within that course, adding those that you feel are most useful and removing those that you feel are not relevant. We can provide guidance in this process to ensure that we meet or exceed your requirements.

A typical example of this would be in areas where training for Acid Stimulation is required. In some oil and gas producing regions, sandstone reservoirs may be predominant whilst in others carbonates may be the principal reservoir rock. In either case, the training focus for acidizing can be tuned to the specific reservoir type. In addition, certain challenges within a region, such as scale deposition, heavy crudes, water production, etc can be addressed by switching modules of general interest with those that bring more focus to the problems that are prevalent in your area of operations. Thus, modules from other courses such as Formation Damage, Mature Field Rejuvenation or Well Conformance may be inserted, in any combination, if these better reflect your interests.

InTuition courses are all designed on a modular basis, with each module being a complete in-depth topic. This allows us to easily reconstruct courses to meet the various needs of our clients. However, we strongly recommend that any custom course proposed uses one of our standard courses as a basis for the course outline. This will ensure a more thorough understanding of the subject matter and allow students who attend other courses to receive a broader, more constructive oilfield education.

Please feel free to review our course outlines and modules contained within our standard courses, along with the additional modules presented in our Custom Modules page. If you feel that you would be better served by a customized course, we would be pleased to provide you with a quote, which can be obtained from our website or by sending an e-mail to us at courses@intuition.name .





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Seminar Descriptions



Email: courses@intuition.name
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Environmental Compliance in the Oil and Gas Industry

The oil and petrochemical industries, which have been responsible, to a large extent, for the development of the modern world and vast improvements in living standards in many places, are often targeted mercilessly by environmental activists. This is done without due regard to the criticality of oil both as a fuel and as the fundamental raw material for countless pharmaceuticals, dyes, plastics and consumer products.

This 2-day seminar examines the major environmental issues facing our industry, specifically, and our planet, in general. Greenhouse gas emissions and global warming, oil spills and pollution, the implications of ethanol and bio-fuels are considered within the context of increasing world energy demand and declining hydrocarbon reserves.

Seminar Topics

- Energy – Global Supply and Demand
- Oil and Gas – Where, Who, When and Why?
- Greenhouse Gas Emissions and Global Warming
- Oil - Pollution and Spills
- Chemicals and the Environment
- Upstream Oil Industry – Roles and Responsibilities
- Improvements in Upstream Practices
- Improvements in Downstream Performance
- Ethanol, Biofuels and Alternatives to Oil
- Hydrogen – Where, Who, When and Why Not?

Who Should Attend

Anyone with an interest in how our industry fits into the global energy balance and what is being done to address increasing public concern about our impact on the environment. . Oil industry insiders, teachers and people involved in the financial markets may find this course particularly interesting. This course is designed to be informative rather than purely technical, although it does cover the key technical issues in some detail but can be tailored to suit audiences with different levels of experience

Course Level

Intermediate - Qualifies for 1.6 CEU's or 16 PDH's



Introduction to the Pumping Services Industry

This 2-day seminar is for oil industry technical and field personnel, as well as non-technical personnel, who want to increase their understanding of the roles and functions of the pumping services companies, as well as their distinguishing features. The well and field life cycle is inextricably linked to pumping services – from well construction to stimulation to well abandonment. Long-term well integrity, production performance and reserve recovery, are dependent on effective application of the pumping service lines (and thus on performance of the service companies themselves). The seminar is presented in an enjoyable atmosphere, conducive to open discussion by all attendees.

Seminar Topics

- The Role of The Pumping Services Industry
- Overview of Cementing
- Overview of Completions and Sand Control
- Overview of Well Stimulation
- Overview of Production Maintenance
- Overview of Coiled Tubing Services
- Overview of Casing and Tubing handling
- Overview Of Well Abandonment

Who Should Attend

Technical and field personnel

Course Level

Introductory - Qualifies for 1.6 CEU's or 16 PDH's



Introduction to the Oilfield for Investors

The oil industry is the largest and most important industry in the world today. This 2-day seminar introduces this diverse and fascinating business – from petroleum exploration to refined product marketing and sale. Explained in the seminar in an understandable way, is how oil is found, produced or extracted, then transported and refined. Also discussed are the drivers that dictate world oil and gas prices, and the forces behind the changes taking place in the dynamic market. The roles of the integrated operators, independent producers and refiners, and oilfield service companies are also presented – and specifically, the key companies representing the petroleum energy investment sector. The seminar is presented in an enjoyable atmosphere conducive to open discussion by all attendees.

Seminar Topics

- Current and Future Energy Demand
- Petroleum and Geology
- How Petroleum Resources are Found
- Over-view of Drilling Operations
- The Life of a Well
- Refining and Distribution
- Markets And Hydrocarbon Prices
- Oil and Gas Producers and Refiners
- Oilfield Services Sector
- The Future

Who Should Attend

Anyone interested in the oilfield sector and investment, or who would like to learn more about this important and exciting industry.

Course Level

Introductory - Qualifies for 1.6 CEU's or 16 PDH's



Introduction to the Oil Industry for Non Technical Staff

The oil industry is the largest and most important industry in the world today. This 2-day seminar provides an introduction to this diverse and fascinating business – from petroleum exploration to refined product marketing and sales. The seminar is presented in a simple understandable format to explain how oil is found, produced or extracted, then transported and refined. Also discussed are the drivers that dictate world oil and gas prices, and the forces behind the changes taking place in the dynamic market. The roles of the integrated operators, independent producers and refiners, and oilfield service companies are also presented. The seminar is presented in an enjoyable atmosphere conducive to open discussion by all attendees.

Seminar Topics

- Current and Future Energy Demand
- Petroleum and Geology
- How Petroleum Resources are Found
- Over-view of Drilling Operations
- The Life of a Well
- Refining and Distribution
- Markets And Hydrocarbon Prices
- Oil and Gas Producers and Refiners
- Oilfield Services Sector
- The Future

Who Should Attend

Non technical support staff involved in oil and gas companies or the service sector seeking to gain a better understanding of the industry they work in.

Course Level

Introductory - Qualifies for 1.6 CEU's or 16 PDH's



Introduction to Mature Field Production Enhancement

More than two-thirds of current worldwide hydrocarbon production comes from mature fields. However, mature fields continue to age, and are subject to declining hydrocarbon production (and increasing water production), and thus, adverse economics. This 2-day seminar is an introduction to the well treatment technologies and methods that can be applied with great success in mature oil and gas fields – to enhance production, improve current economic performance and value, and extend field economic life. The seminar is presented in an enjoyable atmosphere conducive to open discussion by all attendees.

Seminar Topics

- Current and Future Energy Demand
- Market Forces and Increasing Role of Mature Fields
- Mature Field Economics and Performance Limitations
- Production Enhancement – Production Maintenance Methods
- New Concepts
- Future View

Who Should Attend

Technical and management personnel involved with or supporting mature oil and gas field operations.

Course Level

Introductory - Qualifies for 1.6 CEU's or 16 PDH's





Consulting Services

InTuition Energy Associates offers consulting services to our clients globally. Our specialists will work with your busy professionals to assist your organization in maximizing its returns on investments. We are capable of filling short term or long term needs to address problems or assist in planning operations. Our core focus area is on the following petroleum industry specialties.

- Stimulation design and expertise for Acidizing in carbonates or clastics at matrix or fracturing rates.
- Designing and providing specialist knowledge for cementing operations for mono bore wells, deep water, HPHT or conventional cementing operations.
- Stimulation design for Fracturing on land or offshore.
- Design and specialist services for all Coiled Tubing Applications.
- Analysis, review & stimulation recommendations for all issues related to Formation Damage.
- Designing an organizations training a matrix ensuring all employees obtain the correct courses in order maximize their knowledge.
- Assistance with any clients on the above topics where it be for one day or one month working to solve problems or address difficult situations in an innovative professional manner.
- Design and writing of technical documents for tendering work related to the services above.

InTuition Energy Associates are technical, operational and business specialists dedicated to providing clients the highest standard of service. Our associates are based globally and are distinguished in their respective technical areas of expertise. Many of InTuition Energy Associates have written industry papers, are holders of patents or have written text books and manuals in their respective area of expertise. Many of our associates have worked for service companies and operators.

