

# 2014 Primer: The Law, Science and Finance of International Energy Projects

## January 29, 2014 • Four Seasons Hotel • Houston, TX

### Wednesday Morning, Jan. 29, 2014

8:00 am	<b>Registration Opens</b>  Includes continental breakfast.
9:00 am	<b>Introduction and Overview of an International Energy Project Lifecycle</b>  An introduction to program objectives and faculty with an overview of a typical international energy project lifecycle from development through decommissioning.  D. Marie Wagner, Anadarko Petroleum Corporation - The Woodlands, TX
9:15 am 0.75 hr	<b>Energy, Geology and Geophysics: Conventional Resources</b>  A lawyer's introduction to the science underlying the agreements we draft and negotiate in the course of developing and operating an international energy project. Petroleum, crude, natural gas and liquids—what are they? Where are they located? How do we find them? When do we think they might run out? Also, a brief introduction to geophysical data acquisition and processing techniques and the leading role geophysical data plays in modern oil and gas exploration and operations.  Eric C. Potter, Bureau of Economic Geology, The University of Texas - Austin, TX
10:00 am 0.75 hr	<b>Petroleum Engineering: Conventional Hydrocarbons</b>  How do we physically explore for, develop and produce hydrocarbons? As lawyers, we must have an understanding of the fundamentals of petroleum activities to accurately draft agreements and effectively provide counsel to energy industry clients. An introduction to different types of offshore and onshore drilling and production systems including FPSOs (floating, production, storage and off-loading vessels) and TLPs (tension-leg platforms). Typical liquefied natural gas (LNG) production facilities (liquefaction, regasification and pipelines) are discussed, with coverage of "high-level" drilling and production facilities and operation cost estimates.  Keith Troutman, Anadarko Petroleum Corporation - The Woodlands, TX
10:45 am	<b>Break</b>
11:00 am 0.75 hr	<b>Unconventional Hydrocarbon Resources</b>  An overview of the geology and geophysics of unconventional hydrocarbon resources including shale. An introduction to the petroleum engineering techniques required to develop and produce these resources.  Eric C. Potter, Bureau of Economic Geology, The University of Texas - Austin, TX Keith Troutman, Anadarko Petroleum Corporation - The Woodlands, TX
11:45 am	<b>Pick Up Lunch</b>  Included in registration.

## Wednesday Afternoon, Jan. 29, 2014

### LUNCHEON PRESENTATION

12:00 pm 1.50 hrs	<p><b>Host Country Instruments (HCIs)</b></p> <p>A look at the legal regimes used globally for buying, selling, exploring, developing and producing hydrocarbons, including Concession or Royalty/Tax, Production Sharing, Risk Service Agreements and so-called "hybrids;" with a discussion of basic natural resource ownership/title concepts and provisions of various HCIs, including key fiscal and non-fiscal terms.</p> <p>D. Marie Wagner, Anadarko Petroleum Corporation - The Woodlands, TX</p>
1:30 pm 1.00 hr	<p><b>International Energy Project Economics</b></p> <p>This session is designed to provide a lawyer the basics of energy project economics "101" so that they can better work with their energy industry clients to develop legal options in various deal scenarios that are also "economic." Hear an examination of how we develop project economic models to calculate investor rates of return and other key economic indicators by using facility and operation cost estimates, revenue estimates and Host Country Instrument provisions. The role of "risk analysis" in developing project models and the concept of leverage and how it can impact project economics also is considered.</p> <p>Keith Troutman, Anadarko Petroleum Corporation - The Woodlands, TX</p>
2:30 pm	<p><b>Break</b></p>
2:45 pm 1.00 hr	<p><b>Co-Venture Formation and Agreements</b></p> <p>Leverage and risk allocation are two factors that frequently lead most international energy projects to be undertaken by more than one co-venture party. This session covers the most common arrangements by which parties acquire interests in energy projects including farmins, farmouts, participation agreements and swaps, with coverage of the fundamental provisions of typical co-venture Joint/Unit Operating Agreements (JOAs) using the AIPN model form as a basis.</p> <p>D. Marie Wagner, Anadarko Petroleum Corporation - The Woodlands, TX</p>
3:45 pm 0.50 hr	<p><b>Co-Venture Economics: The Power of Leverage</b></p> <p>A discussion of the economic inflection points that occur over the life of an upstream project. Participants work through examples of typical commercial arrangements for farmins and co-venture risk-sharing.</p> <p>Keith Troutman, Anadarko Petroleum Corporation - The Woodlands, TX</p>
4:15 pm 0.50 hr	<p><b>Co-Venture Operations</b></p> <p>Getting into a co-venture can seem easy compared to operating a successful co-venture. This sessions looks at operational provisions within the industry joint operating agreement framework including management decision-making, and contracting.</p> <p>D. Marie Wagner, Anadarko Petroleum Corporation - The Woodlands, TX</p>

4:45 pm  
0.75 hr

### **Summary and Q&A**

Your questions are answered by the program faculty in this moderated Q&A session.

Eric C. Potter, Bureau of Economic Geology, The University of Texas - Austin, TX  
Keith Troutman, Anadarko Petroleum Corporation - The Woodlands, TX  
D. Marie Wagner, Anadarko Petroleum Corporation - The Woodlands, TX

5:30 pm

### **Adjourn**