

The Best Faculty.
The Best Experience.
Since 1983.

HYDRAULIC FRACTURING

Environmental Quality & America's Energy Future

December 5, 2011 • Omni Southpark • Austin

Location & Accommodations



**Free Parking
& Airport Shuttle!**

Omni Hotel at Southpark
4140 Governor's Row
Austin, TX 78744

For Hotel Reservations
Community World Travel
(888) 724-0500
www.cletravelinfo.com

Dear Colleague:

Join us as we get to the heart of the controversy: Does hydraulic fracturing affect environmental and water quality?

Hydraulic Fracturing ("HF") techniques are widely-used by energy companies to extract oil and gas from shale formations 6,000 to 10,000 feet below the ground. Are you interested in responsible energy development? Are the concerns around HF founded, or are they exploiting fears? What's the appropriate balance between protecting groundwater and creating regulatory red tape? Where are the real opportunities to improve groundwater protection?

This one-day Conference is your chance to get up-to-speed on the ins-and-outs of Hydraulic Fracturing. Experts from the legal, environmental, energy, scientific and governmental communities will all join together to provide you with the latest information on this important and evolving issue.

- **HF 101: What Is Hydraulic Fracturing and How Is It Applied?**
- **Green Chemistry in the Hydraulic Fracturing Supply Chain (or Industry)**
- **Fracturing Practices, Water Reuse and Disposal/Reinjection Permitting**
- **Environmental Perspectives on FracFluid Chemicals and Disclosure; Air Toxics, Monitoring and Ozone Formation; and Hydraulic Fracturing in a Time of Drought**
- **The Role of State Agencies in Hydraulic Fracturing**
- **Federal Legal Framework**

Stay on top of the issues and reserve your place today. We look forward to seeing you in Austin.



David Jackson, Esq., Program Chair
Jackson, Sjoberg, McCarthy & Wilson, Austin

Conference Exhibitor and Breakfast Sponsor:



Schedule and Information inside

REGISTER NOW! www.cle.com/hf or (800) 873-7130

Monday, December 5

8:30 Registration and Breakfast Sponsored by:



9:00 **Welcome and Introduction**

Overview

David Jackson, Esq., Program Chair
Jackson, Sjoberg, McCarthy & Wilson, Austin

9:15 **HF 101**

What Is Hydraulic Fracturing and How Is It Applied?

Rich Varela, Senior Vice President and Director of Development
Texas Independent Producers & Royalty Owners Association, Austin

9:45 **Technical Overview**

Green Chemistry in the Hydraulic Fracturing
Supply Chain

Thomas G. Grumbles, CIH
Senior Consultant, Product Safety & Compliance
Cardno ENTRIX, Houston

.....
Fracturing Practices, Water Reuse and
Disposal/Reinjection Permitting

Dan Tormey, PhD, PG
Environmental Sciences Technical Director
Cardno ENTRIX, Los Angeles, CA

11:00 Networking Break

11:15 **Environmental Perspectives**

FracFluid Chemicals and Disclosure

Matthew Watson, Senior Energy Policy Manager
Environmental Defense Fund, Washington, DC

.....
Air Toxics, Monitoring and Ozone Formation

Luke Metzger, Director
Environment Texas Research & Policy Center, Austin

.....
Hydraulic Fracturing in a Time of Drought -
What's the Solution?

Cyrus Reed, PhD, Conservation Director, Lone Star Chapter
Sierra Club, Austin

12:15 **Q&A Panel**

Members of the Faculty

12:30 Lunch Break

1:45 **State Legal Framework**

The Role of State Agencies in Hydraulic Fracturing

Leslie Savage, Chief Geologist
Railroad Commission of Texas, Austin

2:30 **Hydraulic Fracturing from a Geologic Perspective**

Selected Issues from the Eagle Ford Play

Robert Traylor, PG, CPG
Groundwater Advisory Unit
Railroad Commission of Texas, Austin

3:15 Networking Break

3:30 **Federal Legal Framework**

Litigation and Regulatory Study Update

Robert D. Comer, Esq., Special Counsel and
Colin C. Deihl, Esq.
Faegre & Benson, Denver, CO

.....
EPA Regulation of Hydraulic Fracturing:
The *Range Resources* Case, Pending in the 5th Circuit

John A. Riley, Esq.
Bracewell & Giuliani, Austin

4:45 **Ethics**

The Road to Hell — How Lawyers Find Trouble and
Practical Tips on How to Avoid It

Jonathan E. Smaby, Executive Director
Texas Center for Legal Ethics, Austin

5:45 Evaluations and Adjourn

Earn up to 7 Hours MCLE Credit Including One Hour of Ethics
Earn up to 7 Hours Engineering and Real Estate Credit

REGISTER NOW! www.cle.com/hf or (800) 873-7130

MEET YOUR DISTINGUISHED FACULTY

PROGRAM CHAIR

David Jackson is a founding member of his firm. He has worked extensively throughout his career in areas related to oil, gas and mineral law, regulatory matters before the Railroad Commission of Texas, real estate transactions, and the mining of Texas lignite. He has represented a variety of clients, including major oil companies, independent producers, landowners and mining companies.

FACULTY

Robert D. Comer, Esq., Special Counsel
Faegre & Benson, Denver, CO

Colin C. Deihl, Esq.
Faegre & Benson, Denver, CO

**Thomas G. Grumbles, CIH, Senior Consultant
Product Safety & Compliance**
Cardno ENTRIX, Houston

Luke Metzger, Director
Environment Texas Research & Policy Center
Austin

**Cyrus Reed, PhD, Conservation Director
Lone Star Chapter**
Sierra Club, Austin

John A. Riley, Esq.
Bracewell & Giuliani, Austin

Leslie Savage, Chief Geologist
Railroad Commission of Texas, Austin

Jonathan E. Smaby, Executive Director
Texas Center for Legal Ethics, Austin

**Dan Tormey, PhD, PG, Environmental
Sciences Technical Director**
Cardno ENTRIX, Los Angeles, CA

Robert Traylor, PG, CPG
Groundwater Advisory Unit
Railroad Commission of Texas, Austin

**Rich Varela, Senior Vice President and
Director of Development**
Texas Independent Producers & Royalty Owners
Association, Austin

**Matthew Watson
Senior Energy Policy Manager**
Environmental Defense Fund, Washington, DC

MARK YOUR CALENDAR NOW!

California Water Law
December 8-9, 2011 • Sacramento

Eminent Domain
February 9-10, 2012 • Austin

Law of the Rio Grande
March 29-30, 2012 • Santa Fe

CLE INTERNATIONAL Program Attorney
Kerry Mason, kerry@cle.com

4 EASY WAYS TO REGISTER

1 www.cle.com/hf

2 FAX
(303) 321-6320

3 PHONE
(800) 873-7130

4 MAIL
CLE INTERNATIONAL
1620 Gaylord Street
Denver, CO 80206

YES! Please register the following:

Name: _____

Email: _____

Name: _____

Email: _____

Name: _____

Email: _____

Firm: _____

Address: _____

City: _____

State: _____ Zip+4: _____

Phone: _____ Fax: _____

Cancellation

Full tuition refunds (less a \$50 administrative charge) will be given only if notice of cancellation is received by 5:00 p.m. MST on the Monday prior to the Conference. Substitutions may be made at any time.

Tuition

- \$495 per person
- \$445 each for two or more
- \$445 each for government, 501(c)(3) organizations, full-time judges, law students and paralegals
- \$395 each for two or more government, 501(c)(3) organizations, full-time judges, law students and paralegals

Home Study

Audio transcript and course materials
 \$495 plus \$10 shipping and handling

Course Materials Only

\$150 plus \$10 shipping and handling

Course materials available in: CD Binder
 Both(Extra cost: \$50/set)

Payment

Check payable to CLE International \$ _____ or
charge my:

VISA MASTERCARD AMEX Expiration Date: _____

Card No. _____

Signature _____



The Best Faculty.
The Best Experience.
Since 1983.

NEW ONE-DAY CONFERENCE!

HYDRAULIC FRACTURING

Environmental Quality & America's Energy Future

December 5, 2011 • Omni Southpark • Austin



REGISTER NOW! www.cle.com/hf or (800) 873-7130



The Best Faculty.
The Best Experience.
Since 1983.

NEW ONE-DAY CONFERENCE!

HYDRAULIC FRACTURING

Getting to the Heart of the Controversy

December 5, 2011 • Omni Southpark • Austin

Featuring Speakers From:

- Cardno ENTRIX
- Environment Texas Research & Policy Center
- Environmental Defense Fund
- Railroad Commission of Texas
- Sierra Club
- Texas Center for Legal Ethics
- Texas Independent Producers & Royalty Owners Association

... and Texas' leading law firms!



REGISTER NOW!

www.cle.com/hf or (800) 873-7130