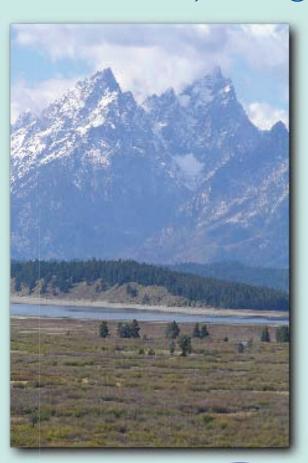
Society of Independent Professional Earth Scientists

# SIPES 48th ANNUAL MEETING & 2011 CONVENTION

June 20-23, 2011 \* Jackson Hole, Wyoming







## PROGRAM BOOK



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### SIPES 2011 CONVENTION AT A GLANCE

## MONDAY JUNE 20

8:00-9:45 a.m.
SIPES Foundation BOD
Meeting & Continental
Breakfast

8:30 a.m.-5:00 p.m. Registration

10:00 a.m.-2:00 p.m. SIPES BOD Meeting

10:00 a.m.-12:00 Noon Chapter Chairmen's Meeting

10:00 a.m.-12:00 Noon SIPES Presidents' Council Meeting

12:00 Noon-1:00 p.m. Lunch for Board of Directors, Chapter Chairmen, & Past Presidents

1:00-2:00 p.m. Ethics Course

1:30-5:00 p.m. Hospitality Suite Open

2:30-5:00 p.m.
SIPES Foundation Seminar:
"Yellowstone National Park"
by Dr. Hank Heasler

6:00-8:00 p.m. Icebreaker

## TUESDAY JUNE 21

8:00-11:30 a.m. Technical Sessions

8:30 a.m.-4:30 p.m. Registration

9:00 a.m.-4:30 p.m. Hospitality Suite Open

9:30 a.m.-1:30 p.m. Grand Teton National Park Tour

12:00 Noon-1:15 p.m.
All-Convention Luncheon & Annual Business Meeting
Speaker: "Energy Geopolitics" by Alexander Economides

1:00-5:15 p.m. Scenic River Float Trip

1:30-5:00 p.m. Technical Sessions

2:00-4:00 p.m. Horseback Riding Tour

**6:30-9:30 p.m.** SIPES Awards Banquet

## WEDNESDAY JUNE 22

8:00-11:30 a.m. Technical Sessions

8:30 a.m.-12:00 Noon Registration

9:00 a.m.-12:00 Noon Historical & Cultural Jackson Hole Tour

9:00 a.m.-12:00 Noon Hiking Tour

9:00 a.m.-12:00 Noon Wildlife Discovery Expedition

9:00 a.m.-4:30 p.m. Hospitality Suite Open

1:00-5:15 p.m. Scenic River Float Trip

1:00-5:00 p.m. Mountain Biking Tour

1:00-5:00 p.m. Fly Fishing Expedition

6:00-9:00 p.m.
Cornerstone Group
Reception
(by invitation only)

## THURSDAY JUNE 23

7:00 a.m. - 6:00 p.m. SIPES Houston Chapter -Convention Field Trip to Yellowstone National Park



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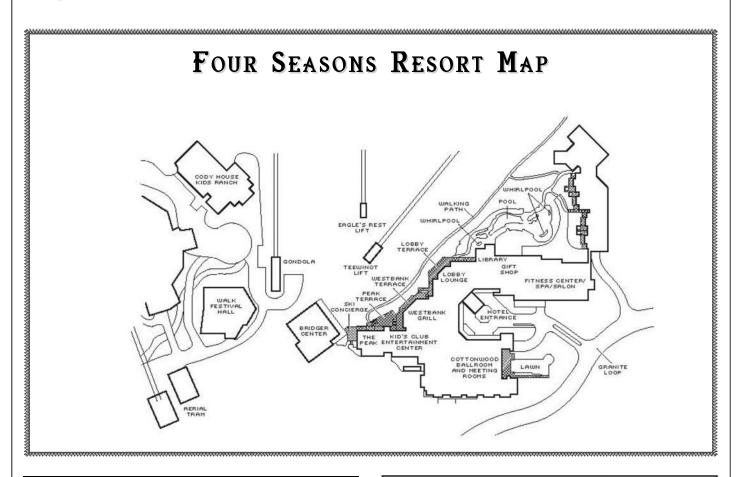
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#### AREA ACTIVITIES

Along with the SIPES Convention tours on pages 16 and 17, there are many other activities you can enjoy during your stay in Jackson Hole. In the hotel, you'll find the following:

- Complimentary Fitness Facility open daily from 8:00 am to 8:00 pm with whirlpool, steam room, cardiovascular equipment and strength machines, weight-training, and yoga.
- Full Service Spa open daily from 9:00 am to 7:00 pm. The spa offers massage, facials, body treatments and salon services.
- Outdoor Activities You can ride the new aerial tram, just steps away from the resort, for a nine minute trip that rises nearly a vertical mile to the top of Rendezvous Peak at 10,450 feet. You can ride up and hike down on the Teton Crest Trail with spectacular views. The resort's Base Camp Concierge can help you make arrangements for this trip, or numerous other outdoor adventures, and even a picnic lunch.









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Chairman

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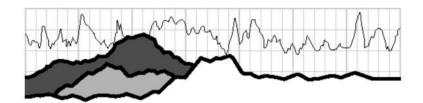


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P.O. DRAWER J

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#### SIPES FOUNDATION SEMINAR

Monday, June 20 — 2:30-5:00 p.m. Cottonwood Ballroom A

> Members: \$90 Spouses: \$65 Non-Members: \$100

#### Geology of Yellowstone National Park

by Dr. Hank Heasler — Yellowstone National Park, Chief Geologist

The SIPES Foundation 2011 Seminar Speaker will be Dr. Hank Heasler, chief geologist for Yellowstone National Park. Dr. Heasler also works with the Yellowstone Volcano Observatory, formed in 2001. It was established to strengthen the long-term monitoring of volcanic and earthquake unrest in the Yellowstone National Park region, and is a collaboration of the USGS, Yellowstone National Park, and the University of Utah.

During this presentation, Dr. Heasler, who starred in the Discovery Channel's "Supervolcano," will discuss his work with the observatory, and also outline the numerous geological highlights that will be seen during the Houston Chapter's Thursday bus tour of the park.

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Bruce E. Payne — Landman bpayn@suddenlinkmail.com

Mike Todd — Geologist mtodd@suddenlinkmail.com

## CONVENTION SCHEDULE

#### Monday, June 20

8:00 - 9:45 a.m.	SIPES Foundation BOD Meeting & Continental Breakfast	Willow Room
8:30 a.m 5:00 p.m.	Registration	Cottonwood Foyer A
10:00 a.m 2:00 p.m.	SIPES BOD Meeting	Willow Room
10:00 a.m 12:00 Noon	Chapter Chairmen's Meeting	Alder Room
10:00 a.m 12:00 Noon	SIPES Presidents' Council Meeting	Aspen Room
12:00 Noon - 1:00 p.m.	Lunch for Board of Directors, Chapter Chairmen, & Past Presidents	Cottonwood Terrace
1:00 - 2:00 p.m.	Ethics Course — "Professionalism as it Applies to Petroleum Geoscience — The Practical Application of Ethics" by Daniel J. Tearpock, #3015	Cottonwood Ballroom A
1:30 - 5:00 p.m.	Hospitality Suite Open	Aspen Room
2:30 - 5:00 p.m.	SIPES Foundation Seminar: "Yellowstone National Park" by Dr. Hank Heasler	Cottonwood Ballroom A
6:00 - 8:00 p.m.	Icebreaker	Cottonwood Ballroom B

#### Tuesday, June 21

8:00 - 11:30 a.m.	Technical Sessions	Cottonwood Ballroom A
8:30 a.m 4:30 p.m.	Registration	Cottonwood Foyer A
9:00 a.m 4:30 p.m.	Hospitality Suite Open	Aspen Room
9:30 a.m 1:30 p.m.	Grand Teton National Park Tour	
12:00 Noon - 1:15 p.m.	All-Convention Luncheon & Business Meeting Speaker: "Energy Geopolitics" by Alexander Economides	Cottonwood Ballroom B
1:00 - 5:15 p.m.	Scenic River Float Trip	
1:30 - 5:00 p.m.	Technical Sessions	Cottonwood Ballroom A
2:00 - 4:00 p.m.	Horseback Riding Tour	
6:30 - 9:30 p.m.	SIPES Awards Banquet	Cottonwood Ballroom B

#### Wednesday, June 22

8:00 - 11:30 a.m.	lechnical Sessions	Cottonwood Ballroom A
8:30 a.m 12:00 Noon	Registration	Cottonwood Foyer A
9:00 a m - 12:00 Noon	Historical & Cultural	

9:00 a.m. - 12:00 Noon Hiking Tour

9:00 a.m. - 12:00 Noon Wildlife Discovery Expedition

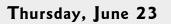
9:00 a.m. - 4:30 p.m. Hospitality Suite Open Aspen Room

Jackson Hole Tour

1:00 - 5:15 p.m.1:00 - 5:00 p.m.1:00 - 5:00 p.m.5:00 p.m.Fly Fishing Expedition

6:00 - 9:00 p.m. Cornerstone Group Reception

(by invitation only)

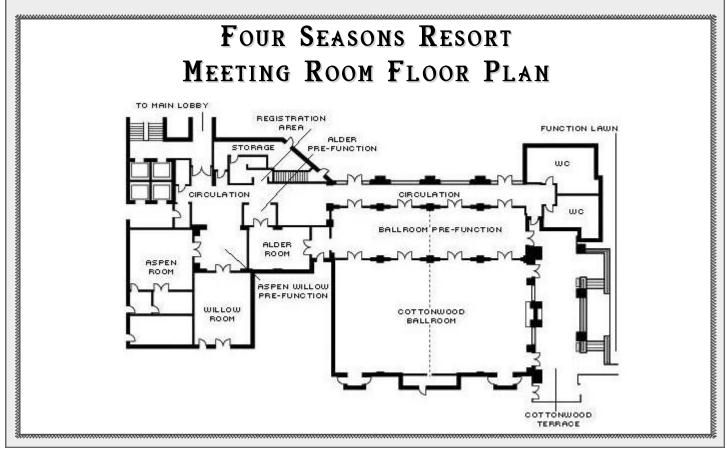


7:00 a.m. - 6:00 p.m. SIPES Houston Chapter's

Convention Field Trip

to Yellowstone National Park





#### CONVENTION ACTIVITIES

#### REGISTERED EVENTS

#### **Entrance to Meeting Events**

Entrance to all meeting events and tours will be by convention name badge. You can purchase extra tickets for some events at the registration desk. Tickets will be required for all tours, the SIPES Foundation seminar, the awards banquet, and the Houston Chapter's convention field trip.

#### **Ethics Course**

Monday, June 20 1:00-2:00 p.m.

"Professionalism as it Applies to Petroleum Geoscience - The Practical Application of Ethics"

by Daniel J. Tearpock, #3015



This talk will discuss professionalism in petroleum geosciences and also highlight important factors such as educational background, experience, knowledge of recom-

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15670 Highway 182 West P.O. Box 325 Franklin, Louisiana 70538 337-828-1955 (Office) 337-828-4319 (Fax) 504-450-8919 (Cell) jpe3@cox.net mended practices, use of advanced technology, and last but not least personal values or ethics.

There is no fee to attend this course; it is presented to help attendees meet ethics course requirements. Certificates of completion for pre-registered attendees will be distributed at the meeting.

#### Icebreaker

Monday, June 20 6:00-8:00 p.m.

Meet with friends and colleagues while enjoying outstanding hors d'oeuvres and drinks at the 2011 Convention Icebreaker. Each registrant will receive two complimentary drink tickets. A cash bar will also be available.

If your spouse/guest is not registered for the convention, please purchase a ticket for this event.

#### **Hospitality Room**

Monday, June 20, 1:30-5:00 p.m. Tuesday, June 21, 9:00 a.m. - 4:30 p.m. Wednesday, June 22, 9:00 a.m. - 4:30 p.m.

Welcome to Jackson Hole! Here registered attendees will find a continental breakfast in the morning and light beverages during the day, along with general information on area activities.

## All-Convention Luncheon & Annual Business Meeting

Tuesday, June 21 12:00-1:15 p.m.

"Energy Geopolitics" by Michael J. Economides

Presented by Alexander M. Economides, president and CEO of Energy Tribune Publishing, Inc. and son of Michael J. Economides.



Alexander Economides

This event is included in the registration fee for members and non-members, but not for spouses or guests. See the registration desk to purchase additional tickets.

#### SIPES AWARDS BANQUET



#### Tuesday, June 21 6:30 - 9:30 p.m. Cottonwood Ballroom B

#### Fee: \$120 per person

(This event is **not** included with your registration fee)

Attire - Cocktail or Western Chic

Come to the SIPES Awards Banquet for an entertaining evening with new colleagues and old acquaintances!

A cash bar will be available at 6:30 p.m., and a delicious dinner will be served about 7:00 p.m. In addition to dinner, there will be an awards ceremony, and the winning tickets will be drawn in the SIPES Foundation's *No Hassle Raffle*. Also enjoy a fun-filled round of "Cowboy Bingo." You



Paul W. Britt

will enjoy this festive evening in beautiful Jackson Hole.

The 2011 SIPES Outstanding Service Award will be presented to **Paul W. Britt**, #2249, of Houston, Texas to recognize his long history of service to SIPES at the local and national levels.

### SIPES FOUNDATION DONOR AWARDS

The SIPES Foundation is pleased to honor donors who, in 2010, reached the following cumulative gift levels:

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#### TECHNICAL PROGRAM

#### Tuesday, June 21

## 8:00-8:30 a.m. — Jeff Jones Van Operating, Ltd.

"Securing Capital: What Every Geologist Should Know"

#### 8:30-9:00 a.m. — Jory Pacht, #3054 Altair Resources LLC

"So You Want to be an Independent? Welcome to the Sales Department"

#### 9:00-9:30 a.m. — Andy Taurins Lantana Oil & Gas Partners

"Maximizing Asset Value in a Post-Discovery World"

9:30-10:00 a.m. — Break

## 10:00-10:30 a.m. — Dan Smith, #1647 Sandalwood Oil & Gas, Inc.

"Discovery Thinking Has Led to 70 Years of Continuous Exploration and Development at Stella Salt Dome, Plaquemines Parrish, Louisiana"

#### 10:30-11:00 a.m. — Tom Wilson SIPES Limited Member — Concho Petroleum

"Waddell Ranch, a Look to the Past, With an Eye on the Future"

#### 11:00-11:30 a.m. — Tom Ewing, #1610 Yegua Energy Associates

"Present and Future Exploration Trends in the Yegua Formation, Texas; Is Conventional Gas-Condensate E&D in Gulf Coast Expansion Trends a Future for Independent Operators?"

## 1:30-2:00 p.m. — Frank Cornish, #3128 Imagine Exploration (co-author Robert Parker, #3064)

"The Discovery and Development of the Lower Wilcox Southwest Speaks Field, Lavaca County, Texas"

## 2:00-2:30 p.m. — Anne Grau, Triangle Petroleum Corp. & Robert Sterling, Cirque Resources LP

"Reservoir Characterization of the Bakken Formation; or Why is Parshall Special?"

### 2:30-3:00 p.m. — Tim Carr West Virginia University

"Controls on Deposition of Organic-Rich Shale Intervals in the Appalachian Basin" 3:00-3:30 p.m. — Break

## 3:30-4:00 p.m. — Tony Rebec, Geokinetics (co-authors Jim Gaiser, Alvaro Chaveste and Richard Vern)

"The Marcellus Shale Revealed with Full Azimuth 3D Multi-Component Seismic Data"

### 4:00-4:30 p.m. — Don Edwards Broad Oak Energy Inc.

"Wolfberry Reservoir Description and Horizontal Drilling Results in Wolfcamp Shale Oil Reservoirs, Permian Basin. West Texas"

#### 4:30-5:00 p.m. — Scotty Tuttle Petrohawk Energy

"The Eagle Ford Shale — Geological Review Year 2.5"

#### WEDNESDAY, JUNE 22

## 8:00-8:30 a.m. — Otto Welper Viking International Petroleum LLC

"Prospect Generation Using Attribute Interpretation"

### 8:30-9:00 a.m. — Deborah Sacrey, #1271 Auburn Energy

"Reducing Risk in the Gulf Coast Using Attributes in Kingdom"

### 9:00-9:30 a.m. — David Connolly SIPES Limited Member — dGB Earth Sciences

"Detecting Fault Related Hydrocarbon Migration Pathways in Seismic Data: Examples from Louisiana and Texas State Waters"

9:30-10:00 a.m. — Break

#### 10:00-10:30 a.m. — Lorena Moscardelli Bureau of Economic Geology, Jackson School of Geosciences

"Mass-Transport Deposits and the Advantages of a Real Three-Dimensional Perspective"

## 10:30-11:00 a.m. — John Dacy Core Laboratories

"Core Analysis of Gas Shales"

#### 11:00-11:30 a.m. — Fred Goldsberry, #3229 Wavex

"Reservoir Dimensioning and Energy Imaging"

Speakers and schedule are subject to change.

### 2011 Convention Tours & Events



Terms: There will be no tour refunds. All tours are non-transferable.

Only a limited number of tour reservations are still available. Please check with the registration desk.

#### Tuesday, June 21

#### GRAND TETON NATIONAL PARK TOUR

9:30 a.m. - 1:30 p.m. — \$140.00 per person



As you begin your journey through Grand Teton National Park, your private tour guide will present the history of Jackson Hole and the national parks in this area. With several stops throughout the tour, make sure to bring your

camera - you can never tell what wildlife will be seen!

Tour includes transportation, historian guide, taxes and gratuities.

#### SCENIC RIVER FLOAT TRIP

1:00 - 5:15 p.m. — \$125.00 per person

Taking place at the base of the Grand Teton mountain, you will be in awe of the natural beauty of this area and of the Snake River. This is a smooth water float trip that travels at a



leisurely pace. You will be amazed at the wildlife you'll see!

Tour includes bus transportation, float transportation, guide, guide gratuity and taxes.

#### HORSEBACK RIDING TOUR

2:00 - 4:00 p.m. — \$125.00 per person



The views in this area, on horseback, are unmatched anywhere else in the country! This tour is geared to riders of all levels, and is a great activity for an afternoon of fun. There

is a 220 pound weight restriction per rider, and this trip is not suitable for children under age 7.

Tour includes transportation, wrangler guide, gratuity, and taxes.

#### WEDNESDAY, JUNE 22

## HISTORICAL & CULTURAL JACKSON HOLE TOUR

9:00 a.m. - 12:00 Noon — \$240.00 per person

As you travel the Jackson Hole area by bus, your guide will describe the many people who have traveled here, including Native American tribes, the Lewis & Clark Expedition, and the fur trappers and ranchers who helped to settle this area. You'll also learn about the history of Yellowstone and Grand Teton National Parks.

Tour includes transportation, tour guide, gratuities and taxes.

(Continued)

#### Onsite Registration for these Tours is Available

#### To sign up, come to the Registration Desk

#### in Cottonwood Foyer A

#### HIKING TOUR

9:00 a.m. - 12:00 Noon — \$175.00 per person



Enjoy endless mountain meadows ablaze with brilliant wildflowers on this morning hike that is suitable for all ability levels. You'll be surrounded by the impressive peaks of the valley and your guide will

acquaint you with the wildflowers, birds and geology of the area.

Tour includes transportation, guide, rain gear, refreshments and snack, gratuities and taxes.

#### WILDLIFE DISCOVERY EXPEDITION

9:00 a.m. - 12:00 Noon — \$250.00 per person

This tour begins with an early morning drive through Grand Teton National Park and the surrounding forest land and gives you the chance to see wildlife in the quiet hours of the



day. You will travel by comfortable safari vehicles and experience the beauty and rich wildlife of the park.

Tour includes transportation, tour guide, national park pass, binoculars, refreshments and snack, gratuities and taxes.

#### SCENIC RIVER FLOAT TRIP

1:00 - 5:15 p.m. — \$125.00 per person

See tour description on Tuesday afternoon.

#### MOUNTAIN BIKING TOUR

1:00 - 5:00 p.m. — \$175.00 per person



This bike tour takes place along the Eastern slopes of Grand Teton National Park. The sagebrush flats are the home of the roaming antelope. The tour finishes with a gentle downhill ride, and is appropriate for any age group and any level of biker. It is a relaxing tour with incredible views of the entire Teton Range!

Tour includes transportation, mountain bike rental, guide, all safety equipment, taxes and gratuities.

#### FLY FISHING EXPEDITION

1:00 - 5:00 p.m. — \$350.00 per person

Fly fishing float trips abound for the fishing enthusiast. The beautiful streams, rivers, lakes and ponds of this region offer you quiet relaxation. Many of the rivers and creeks have trophy-class blue-ribbon designations. Floating trips provide the best type of fishing for access to remote sections of the Snake, Green and New Fork



Rivers. You will be able to fish natural trout populations in the most ideal location. Catch and release is promoted in the Jackson area. Each boat can comfortably accommodate two guests and one guide.

Tour includes transportation, guide, refreshments and snacks, fishing license, all necessary equipment, taxes and gratuities.

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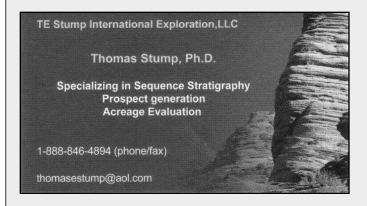
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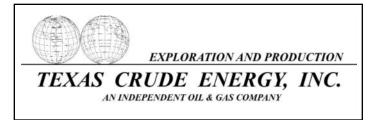
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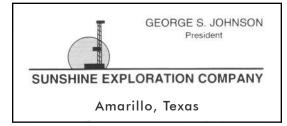
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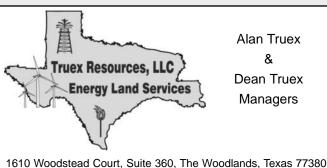


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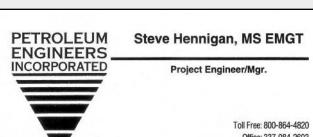
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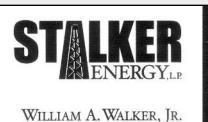
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Speakers are listed alphabetically



Tim Carr, Marshall Miller Professor of Energy, West Virginia University
— Morgantown, WV

"Controls on Deposition of Organic-Rich Shale Intervals in the Appalachian Basin"

David Connolly, SIPES Limited Member, dGB Earth Sciences — Sugar Land, TX

"Detecting Fault Related Hydrocarbon Migration Pathways in Seismic Data: Examples from Louisiana and Texas State Waters"



Frank Cornish, #3128
Imagine Exploration —
Corpus Christi, TX
(co-author Robert Parker, #3064)
"The Discovery and Development of the Lower Wilcox Southwest Speaks Field, Lavaca County, Texas"

John Dacy, Core Laboratories — Houston, TX "Core Analysis of Gas Shales"





Don Edwards
Broad Oak Energy Inc. — Dallas, TX
"Wolfberry Reservoir Description and
Horizontal Drilling Results in
Wolfcamp Shale Oil Reservoirs,
Permian Basin, West Texas"

Tom Ewing, #1610 Yegua Energy Associates — San Antonio, TX

"Present and Future Exploration Trends in the Yegua Formation, Texas; Is Conventional Gas-Condensate E&D in Gulf Coast Expansion Trends a Future for Independent Operators?"





Fred Goldsberry, #3229 Wavex — Houston, TX "Reservoir Dimensioning and Energy Imaging"

Anne Grau, Triangle Petroleum Corp. & Robert Sterling, Cirque Resources LP — Denver, CO

"Reservoir Characterization of the Bakken Formation; or Why is Parshall Special?"





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Lorena Moscardelli, Bureau of
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(co-author Lesli Wood)
"Mass-Transport Deposits and the
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Tony Rebec, Geokinetics —
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"The Marcellus Shale Revealed with
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Seismic Data"

Deborah Sacrey, #1271
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"Reducing Risk in the Gulf Coast
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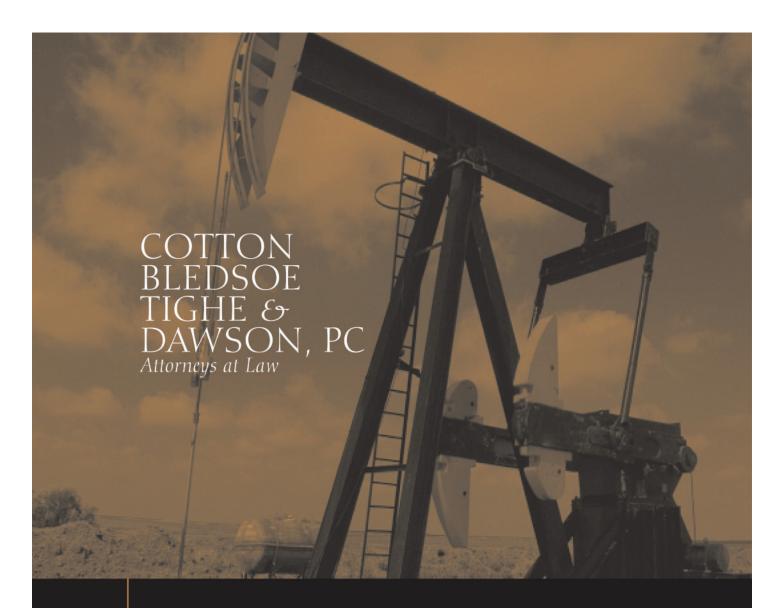
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