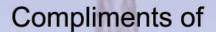
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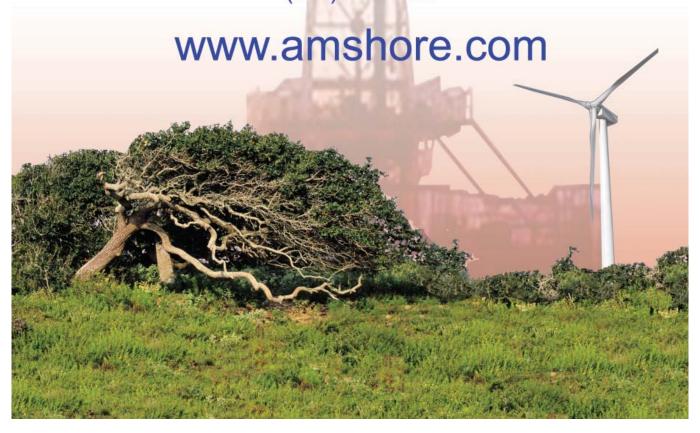


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SIPES 2017 Convention at a Glance

Monday - June 26

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 p.m. Chapter Chairmen's Meeting

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

12:00-1:00 p.m.

Lunch for Board of Directors, Chapter Chairmen, & Past Presidents

3:00-5:00 p.m.

SIPES Foundation Seminar — "Tales from Seven Continents — Living an Explorer's Dream" by Bill Nye

6:00-7:30 p.m. Icebreaker

Tuesday - June 27

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

Registration

8:25-11:15 a.m. Technical Sessions

9:00 a.m.-1:00 p.m. Jeep Tour

10:00 a.m.-12:00 p.m. Horseback Riding

11:30-1:15 p.m.

All-Convention Luncheon & Annual Business Meeting

1:30-4:15 p.m. Technical Sessions

1:30-4:30 p.m. Betty Ford Alpine Gardens

1:30-5:30 p.m. Mountain Bike Tour

3:15-4:15 p.m. Ethics Course

4:15-5:15 p.m. SIPES Discovery Room

6:30-9:00 p.m. SIPES Awards Banquet

Wednesday - June 28

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

8:30 a.m.-11:45 p.m. Technical Sessions

12:00-3:00 p.m. Vail Food Tour

12:30-5:30 p.m. Upper Colorado Float Trip

12:30-5:30 p.m. Fly-Fishing Tour

1:30-5:00 p.m. SIPES Discovery Room

7:00-9:00 p.m.
Cornerstone Group
Reception
(by invitation only)

Thursday - June 29

9:00 a.m.-5:00 p.m.
Post-Convention Field

Trip to Glenwood Springs — led by Steve Sonnenberg

On the Cover: Photo of Hanging Lake, Colorado. This is one of the stops on the Thursday SIPES Field Trip from Vail to Glenwood Canyon.



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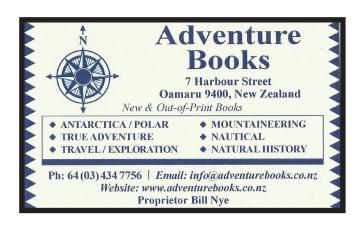


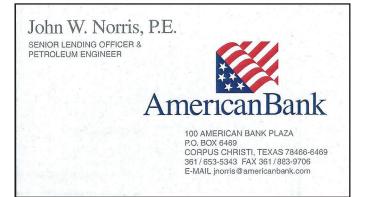
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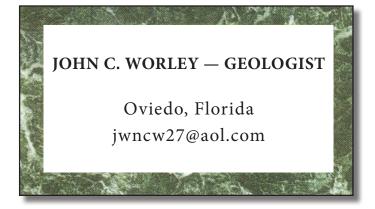
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SIPES Foundation Seminar

Tales from Seven Continents – Living an Explorer's Dream

By Bill Nye Drilling Fluids Engineer - Worldwide

Bill Nye is a drilling fluids engineer with forty years of experience worldwide. He is a Vietnam veteran, and has traveled and worked on all seven continents. He became an Australian Citizen in 1992, and emigrated to New Zealand in 2005. He is currently a drilling fluids consultant, and has owned Adventure Books in Oamaru, New Zealand since 2012. SIGN UP TODAY!



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Welcome to the SIPES Discovery Room

What is it?

The SIPES Discovery Room is a new forum for the exchange of exploration concepts and ideas. It is a place for SIPES Members to showcase, share, and discuss active projects. Whether you are selling a deal, looking for a deal, looking for guidance, or simply want to brag about a cool project already in the books, this room is where you should go. It is a forum for working explorers to share best practices, experiences, knowledge, and hopefully help open doors, get some business done, and find some oil and natural gas!

Every Discovery Room offeror will be a SIPES Member and every attendee will be a registered Convention attendee. This is a SIPES event, for SIPES Members and SIPES Convention attendees.

What is it not?

The SIPES Discovery Room is not a technical forum, there are no technical talks (though I think we all agree prospect pitches are perhaps some of the very best technical talks). It is not a "prospect expo" either, though we anticipate plenty of business to occur. We strongly encourage you to attend the outstanding technical sessions that will be at the Convention on Tuesday and Wednesday mornings.

I'm interested in seeing what my colleagues are working on, and what they have to show.

Make the effort to walk through the Discovery Room doorway. The Discovery Room will be open on Tuesday from 4:15-5:15 p.m. and Wednesday from 1:30-5:00 p.m. during the Convention, and exhibitors will be present in the room, principally occupying the table area. (*The SIPES Discovery Room and reserved hours are subject to change.*)

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Convention Schedule

Monday, June 26

8:00 - 9:45 a.m.	Piney B	SIPES Foundation BOD Meeting & Continental Breakfast
8:30 a.m 5:00 p.m	Fulford Foyer	Registration
10:00 a.m 2:00 p.m	Bighorn A	SIPES BOD Meeting
10:00 a.m 12:00 p.m	Piney B	Chapter Chairmen's Meeting
10:00 a.m 12:00 p.m	Piney A	SIPES Presidents' Council Meeting
2:00 - 1:00 p.m	Meadows Foyer	Lunch for Board of Directors, Chapter Chairmen & Past Presidents
3:00 - 5:00 p.m	Piney A	SIPES Foundation Seminar: "Tales from Seven Continents — Living an Explorer's Dream" by Bill Nye
6:00 - 7:30 p.m.	Bighorn Ballroom	Icebreaker (Registered Attendees Only!)

Tuesday, June 27

8:30 a.m 4:30 p.m	Meadows Foyer	Registration
8:25 - 11:15 a.m	Piney	Technical Sessions
9:00 a.m 1:00 p.m		Jeep Tour
10:00 a.m 12:00 p.m		Horseback Riding Adventure
11:30 - 1:15 p.m	Bighorn Ballroom	All-Convention Luncheon & Business Meeting
1:30 - 4:15 p.m	Piney	Technical Sessions
1:30 - 4:30 p.m		Betty Ford Alpine Gardens
1:30 - 5:30 p.m		Mountain Bike Tour
3:15 - 4:15 p.m	Piney	Ethics Course by Bill Finley, #2167
4:15 - 5:15 p.m	Fulford	SIPES Discovery Room
6:30 - 9:00 p.m	Bighorn Ballroom	SIPES Awards Banquet

Wednesday, June 28

8:30 a.m 12:00 p.m M	leadows Foyer	Registration
8:30 a.m 11:45 p.m Pi	iney	Technical Sessions
12:00 - 3:00 p.m.		Vail Food Tour
12:30 - 5:30 p.m		Upper Colorado Float Trip
12:30 - 5:30 p.m		Fly-Fishing Tour
1:30 - 5:00 p.m Fu	ulford	SIPES Discovery Room
7:00 - 9:00 p.m		Cornerstone Group Reception (by invitation only)

Thursday, June 29

9:00 a.m. - 5:00 p.m. Post-Convention Field Trip to Glenwood Springs led by Steve Sonnenberg, #2158



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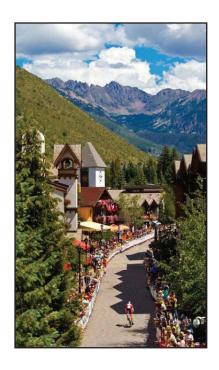
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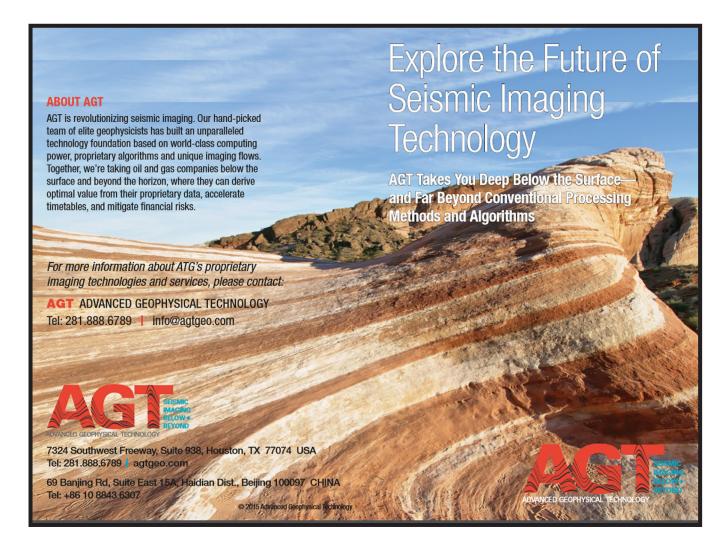
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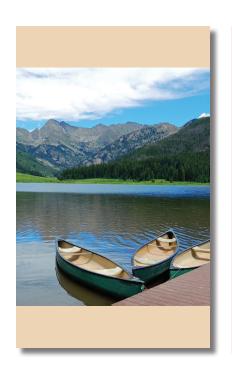


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Beth Priday Senior Geologist

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Convention Activities Registered Events

Entrance to Meeting Events

Entrance to all SIPES Convention events and tours will be by convention name badge. All attendees must be registered in order to attend the icebreaker on Monday evening.

SIPES Member, Associated Member and Non-Member Registration includes the following items:

- Icebreaker
- Technical Sessions on Tuesday & Wednesday a.m.
- All-Convention Lunch on Tuesday
- SIPES Ethics Course
- SIPES Discovery Room
- Ability to register for all optional tours and events
- Access to priority registration for the Thursday Post-Convention Field Trip

Spouse/Guest Registration includes the following:

- Icebreaker
- Coffee & Water Service in the hospitality area
- Ability to register for all optional tours and events
- Access to priority registration for the Thursday Post-Convention Field Trip

Extra fees are required for the SIPES Foundation Seminar, all optional tours and events, SIPES Awards Banquet, and the Post-Convention Field Trip. Some events may still be available at the higher rate during the meeting through the registration desk.

Non-registered spouses and guests may not attend the convention icebreaker or register for optional tours and events. If space is still available, non-registered spouses and guests may register for the Thursday Post-Convention Field Trip at the higher rate.

All SIPES Convention Events and Tours are non-transferable and non-refundable.

Icebreaker

Monday, June 26 — 6:00-7:30 p.m.

Meet with friends and colleagues while enjoying outstanding hors d'oeuvres and drinks at the 2017 Convention Icebreaker. Each registrant will receive two complimentary drink tickets. A cash bar will also be available. Convention registration is required to attend.

All-Convention Luncheon & Annual Business Meeting

Tuesday, June 27 — 11:30-1:15 p.m.

Petroleum Industry Perspective 2017 — OPEC is Back and So Are U.S. Drillers

by Philip H. "Pete" Stark, Senior Research Director & Advisor, IHS Markit — Englewood, Colorado



Fundamentally, world oil and gas markets are impacted by the unconventional revolution. The surge in North American tight oil and shale gas production upset the supply-demand balance resulting in substantial adjustments to global oil and gas flows and prices. OPEC's move to defend its market share was short lived. In

November 2016, OPEC decided to resume its role in balancing the market and pledged to reduce production by 1.2 MMb/d along with 558 Mb/d from non-OPEC producers. Initial OPEC compliance with pledges has been sufficient to move oil prices into a new band above \$50/bbl and the oil market is rebalancing. But there are significant downside risks including a surge in U.S. drilling and production.

Over the last two years U.S. producers have significantly increased capital efficiency and lowered upstream breakeven costs. More tier 2 and tier 3 wells break even at \$50 oil prices. Led by the Permian Basin, U.S. oil production could add more than 600 Mbd of new production by year end and could challenge the efficacy of OPEC reductions. Nevertheless, if the oil market maintains a rough balance U.S. oil production is projected to grow 1.9 MMb/d to about 11 MMb/d by the mid-20's.

Philip H. "Pete" Stark is Senior Upstream Research Director and Advisor for IHS Markit in Englewood, Colorado. Prior to joining IHS in 1969, Stark was an exploration geologist for Mobil Oil. Dr. Stark has authored papers on E&P databases, hydrocarbon shows, horizontal drilling, U.S. natural gas, global oil and gas resources, global E&P trends, giant fields and unconventional O&G. He co-authored special IHS studies of North American gas supplies, unconventional gas supplies, North American and global tight oil and global reserves replacement.

The SIPES All-Convention Luncheon is included in the registration fee for members and non-members only. Registered spouses or guests who want to attend should purchase an individual ticket for the event.

Ethics Course

Tuesday, June 27 — 3:15-4:15 p.m.

Louisiana Board of Professional Geoscientists and Ethical Behavior by Bill Finley, #2167, Aquila, LLC



Included is a brief introduction to the Louisiana Board of Professional Geoscientists, the requirements for licensure and the purpose for licensure. Since we are licensing geoscientists in Louisiana it seemed relevant to discuss the meaning and application of the term "Geoscientist."

While this information may not seem applicable to the broader audience of a diverse group such as SIPES, it helps illustrate at least one perspective of the value of understanding ethical behavior.

For most of my professional career ethics was something we did, not because it was required, but because it was the right thing to do. Until I became involved with the Louisiana Board, it never occurred to me that ethical



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7045 Shadow Creek Court Fort Worth, Texas 76132 cell phone: 817-991-1809 jdrobertson@saltcreekpetroleum.com behavior might not be the same, whether in principle or practice, for everyone in every circumstance. Now, having a license and being required to participate in ethics continuing education, I have attended numerous ethics presentations. Each of these presentations has provided me with other perspectives of the topic. I have attempted to integrate and expand on some of these perspectives.

As a final summation, I include a brief discussion of ten factors suggested as an acceptable "Code of Behavior" applicable not only to the practice of geoscience, but for most human interactions. Hopefully, you will agree with me that this is ethical.

Bill Finley went to college on the GI Bill and finished his course work with a B.S. degree in geology in 1974, and an M.S. degree in geology in 1975 from the University of Southwestern Louisiana (now ULL).

He started with Gulf Oil Corp. in New Orleans in 1975. Accepting a position with Forest Oil Corp. in Lafayette in 1979, he worked on development projects and large regional studies in south Louisiana. Becoming a free agent in 1990, Bill began to seek his fortune as an independent, contracting his first consulting job with his previous employer, Forest Oil. As an independent, Bill has worked extensively with computer applications for geologic mapping and seismic interpretation. He joined Rozel, LLC in 1996 as a partner generating prospects and selling deals. Bill left Rozel and opened an office in the Oil Center as Aquila, LLC in 2013.

Bill was appointed to the Louisiana Board of Professional Geoscientists as a charter member in 2013, has been involved in writing the LBOPG Rules, and currently serves as the LBOPG Chairman.

There is no fee to attend this course; it is presented to help meeting attendees meet ethics course requirements. Certificates of completion will be available at the registration desk for attendees who registered for and attended the course.

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Featured Speaker at SIPES 2017 Annual Conference Tuesday AM - Geology & Geophysics "Shear Wave Processing Breakthrough"





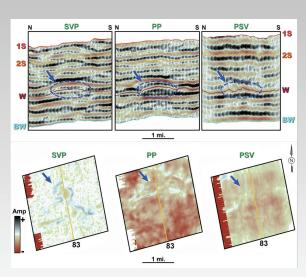
Bob A. Hardage, Ph.D.Director, Center for Seismic Innovation
Bureau of Economic Geology
at University of Texas - Austin

Don't miss Dr. Hardage's tech talk on a new breakthrough seismic imaging technology that makes Shear Wave Processing both more affordable and more accessible to oil & gas producers of all sizes.

Multicomponent Seismic Imaging & Interpretation, the processing of both P-wave and shear-wave data together, has long been the future promise to reduce drilling risk and increase the economic success rates for the industry. Combining this data provides greater fault and fracture information, subtle fault detection, stress orientation, fracture intensity, rock lithology and mechanical properties, fluid detection, and more.

However, this promise has not been realized by everyone due to the high costs of multicomponent's specialized seismic acquisition needs: 3-component geophones, specialized shear wave sources, and complex survey planning and recording.

Recent discoveries at Dr. Hardage's BEG lab at UT have not only found that there are significantly strong shear waves generated by traditional Pwave sources (including dynamite), but there is also a long overlooked shear wave image SV-P hidden in the latent noise of P-wave recordings on single-component (1C) geophones. This breakthrough concept now means that Legacy Pwave seismic data can be reprocessed to obtain all the multicomponent benefits to reservoir interpretation without the high costs of a new field acquisition. This also means that Multicomponent seismic data can be obtained in the most challenging landscapes - dense timber, swamps, and other remote environments with 1C geophones and shot-hole explosives.



Dr. Hardage and The University of Texas are part owners in VertiShear, LLC a company formed to patent and commercialize the processing technology involved with this new technique. Please visit the website, or contact VertiShear to obtain more information. Make sure you add multicomponent seismic imaging and interpretation to your next exploration plans!







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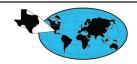
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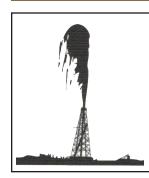


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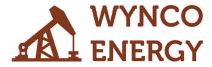


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Technical Program

Tuesday, June 27

Geology & Geophysics

8:30-9:00 a.m. — Bob Hardage — **Bureau of Economic Geology**



"Double the Value of Your P-Source Seismic Data"

9:00-9:30 a.m. — Tim Rynott — Ridge Resources, LLC

"Evolution and Economic Implications for Upper Cretaceous Sandstones: A New Example from the Inboard Gulf of Mexico"



9:30-10:00 a.m. — Brad Bacon — PDC Energy, Inc.



"Employing Multiple Sources of Data to Optimize Field Development" (co-author Mark Graeve)

10:00-10:15 a.m. — Break

10:15-10:45 a.m. — Rob Yorke — Advanced Geophysical Technology, Inc.

"Value of Depth Imaging Onshore — Better than Time. Period"



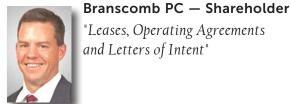
10:45-11:15 a.m. — Randy Bissell — Headington **Energy Partners, LLC**



"Evolving Models for Eocene Deepwater Channel Complexes and Fan Systems, Scotland District, Barbados"

Business Applications

1:30-2:00 p.m. — Scott Taylor —



"Leases, Operating Agreements and Letters of Intent"

2:00-2:30 p.m. — Bill Fairhurst — Riverford Exploration, LLC



"Developing Creative, Critical & Strategic Thinking for Natural & Social Sciences"

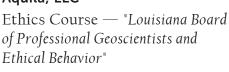
2:30-3:00 p.m. - Jory Pacht, #3054 -**Altair Resources**



"Zero to \$50 Million in One Year: How to Start Up a Private Equity Energy Company"

3:00-3:15 p.m. — Break

3:15-4:15 p.m. - Bill Finley, #2167 -Aguila, LLC





SIPES Discovery Room — Open from 4:15 - 5:15 p.m.

Wednesday, June 28

Field Discovery



8:30-9:00 a.m. — Tony Hauglum, #2807 — Riviera Exploration, LLC/ Riviera Production Company, Ltd.

"Whitsett South Eagle Ford Project"

Technical Program Continued

9:00-9:30 a.m. — Bill Fairhurst — Riverford Exploration, LLC



"'Stealth' Exploration and Serendipitous Exploration for the Texas Woodford (& Barnett), Permian Basin"

9:30-10:00 a.m. — Frank Cornish, #3128 — Imagine Resources, LLC

"Hydrocarbon Traps Associated with Upper Wilcox Canyons and Seismic Response, Mid-Gulf Coast, Texas" (co-author Louis Lambiotte)



10:00-10:15 a.m. — Break

10:15-11:45 a.m. — Steve Sonnenberg, #2158 — Colorado School of Mines



- "The Niobrara Petroleum System, a Major Tight Resource Play in the Rocky Mountain Region"
- "Insights into Niobrara Stratigraphic Architecture and Diagenesis, Wattenberg Field, Denver Basin, Colorado"
- "Glenwood Canyon Field Trip Overview"

SIPES Discovery Room — Open from 1:30 - 5:00 p.m.

Speakers and schedule are subject to change.

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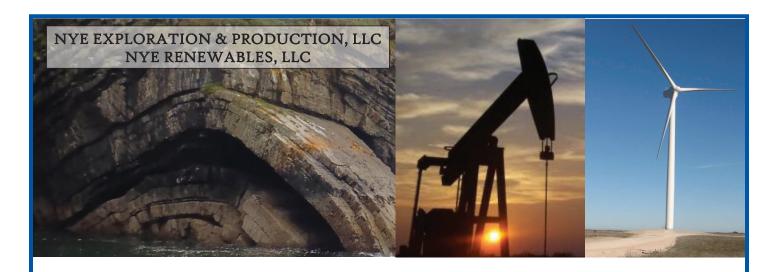




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SIPES Awards Banquet

Tuesday, June 27 - 6:30 - 9:00 p.m.

Fee: \$120.00 per person

(This event is not included with your basic registration fee, and must be purchased separately)

Come to the SIPES Awards Banquet for a fun-filled evening with new colleagues and old friends! A cash bar will be available at 6:30 p.m., followed by a delicious dinner at about 7:15 p.m.

There will also be an awards ceremony to recognize retiring national directors. The SIPES Outstanding Service Award will be presented



Marc Maddox

to Marc D. Maddox, #2777, of Midland, Texas, who will be honored for his many years of service to both SIPES and the SIPES Foundation.

Winning tickets for the SIPES Foundation's *No Hassle Raffle* will also be drawn.



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2017 Convention Tours & Events

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

A limited number of tour reservations are still available.

Please check with the registration desk.

In order to sign up for these tours, you must be a registered meeting attendee.

Tuesday, June 27

Jeep Tour 9:00 a.m. - 1:00 p.m. \$250.00 per person

Explore the Colorado High Country by jeep on this exciting tour. You can take in spectacular vistas, view wildflowers and snow-capped peaks and observe native wildlife of the area's national forests. Your expert guide will work with the group on the day of your trip to determine the best location for this adventure. This selection is based on trail conditions, weather and the group participants.



Tour includes round-trip transportation from the hotel, guide, land-use fees, snacks, water, and gratuities.



Horseback Riding Adventure 10:00 a.m. - 12:00 p.m. \$225.00 per person

This is a unique opportunity to experience the true beauty of the Sawatch and Gore Mountain Ranges on horseback. Saddle up for a 1.5 hour private ride through beautiful meadows and forests of evergreens and aspens.

Tour includes professional wrangler, all necessary equipment, round-trip transportation from the hotel, taxes and gratuities.

Betty Ford Alpine Gardens 1:30 - 4:30 p.m. \$175.00 per person

The Betty Ford Alpine Gardens, the world's highest botanical garden, contains four distinct areas: Alpine Display, Mountain Perennial, Meditation, and Rock Gardens. The facility attracts more than 100,000 visitors annually to see its unique collection of alpine and mountain plants from around the world. They should be in full bloom during the SIPES Convention. You will enjoy a two-hour, docent-led tour of the gardens, named in honor of former First Lady Betty Ford, and her many contributions to the Vail Valley.



Tour includes a donation to the gardens, a docent-led guided tour of the gardens, round-trip transportation from the hotel, and taxes.



Mountain Bike Tour 1:30 - 5:30 p.m. \$275.00 per person

Maximize your time in the Vail Valley by taking a mountain bike tour with a guide who knows the terrain, trails and roads in the area. This tour will utilize Forest Service roads and single track trails in the White River National Forest surrounding the Vail Valley.

Your ride includes guides, bike rental, round-trip transportation from the hotel, water, snack, taxes and gratuities.

Wednesday, June 28

Vail Food Tour 12:00 - 3:00 p.m. \$200.00 per person

This three-hour walking tour combines eating delicious gourmet food and learning about Vail's rich history. The tour will visit specially selected restaurants and food shops that best represent the culture and pride of the Vail area. While walking and enjoying a progressive lunch, you'll hear stories about the past, present and future of this world-class destination resort. There will be enough food for a moderate lunch, as well as one alcoholic beverage.



Food tour includes all food tastings, alcohol, guided historical walk, taxes, and gratuity.



Upper Colorado Float Trip 12:30 - 5:30 p.m. \$275.00 per person

The Vail Valley is a rafter's wonderland throughout the summer. Rivers are relatively gentle, beginning with Class II rapids and running up to Class V. The SIPES Group will enjoy an afternoon trip in Class I-II rapids. The trip location is subject to change based on water levels.

Float trip includes professional rafting guide, round-trip transportation from the hotel, all necessary equipment, life jackets, water, taxes and gratuities.

Fly-Fishing Tour 12:30 - 5:30 p.m. \$375.00 per person

Fly-fishing wade trips are perfect for the fishing enthusiast. Many of the bountiful rivers and streams of the region that are designated for fishing have the trophy class Gold Medal, making them catch and release only. They contain brook, brown, cutthroat and rainbow trout. You can also practice your technique with a certified guide. There will be one guide provided for every three participants.

Fishing tour includes certified guide, round-trip transportation from the hotel, all necessary equipment, fishing license, guide gratuities and taxes.





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Best Wishes for a Successful 54th Annual Meeting & Convention



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Post-Convention Field Trip

Thursday, June 29 - 9:00 a.m. - 5:00 p.m.

Fee: \$235.00

Geology of the Vail to Glenwood Springs Area, Northwest Colorado

Led by Steve Sonnenberg, #2158 — Colorado School of Mines



Drive to Glenwood Springs

This one-day field trip will examine geologic outcrops from Vail to Glenwood Springs. The trip starts and ends in Vail, and goes along the I-70 corridor through Paleozoic and Mesozoic strata on the way to Glenwood Springs. The trip goes through the famous Glenwood Canyon area. The canyon is famous for its scenic beauty, road construction, and geology. Road construction through the canyon began in 1980 and was completed in 1992. The road was constructed into a fragile canyon environment leaving as much of the flora, fauna, and geology intact as possible. Total cost of the road project was estimated to be \$490 million. Precambrian through Mississippian rocks are exposed in the canyon.

Some of the geologic items of interest include the following:

- Paleozoic and Mesozoic stratigraphy of northwest Colorado
- Tectonism (Precambrian, Ancestral Rockies, Laramide events)
- Cenozoic volcanism
- The Eagle Valley evaporite and salt-tectonism and sink holes
- Economic geology of northwest Colorado (mining and petroleum)
- Modern landslides, debris flows, rockfalls

Participants should be prepared for Colorado weather (bring layers of clothing just in case), along with hiking shoes, sunglasses, hats, and sunscreen.



Hanging Lake

Tour includes round-trip bus transportation, boxed lunch, a guidebook, bottled water, taxes and gratuities.



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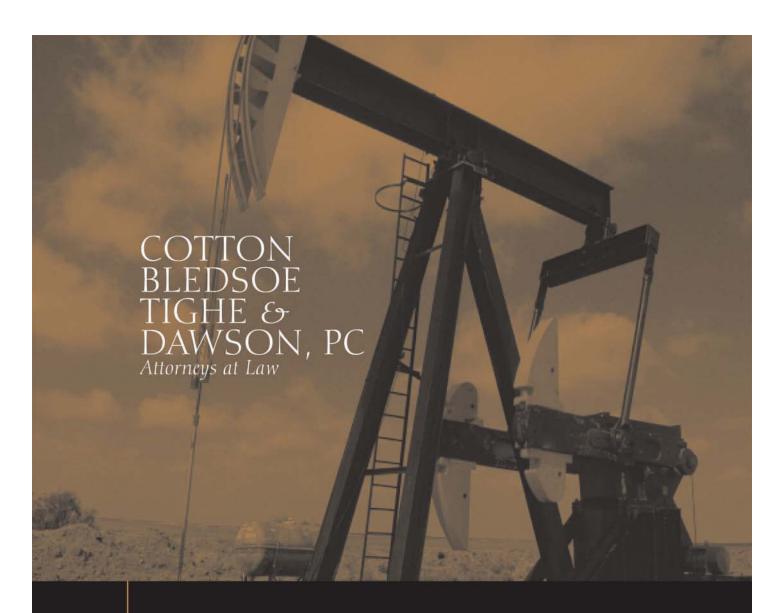


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