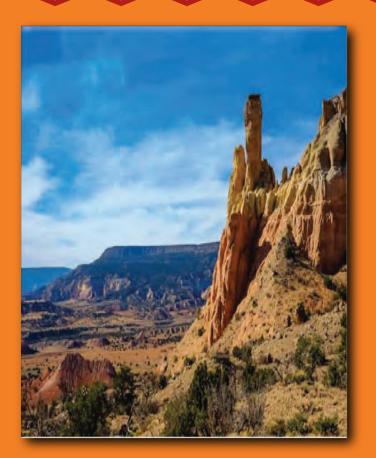
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50th Annual Meeting & 2013 Convention

June 17-20, 2013 - Santa Fe, New Mexico





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SIPES 2013 CONVENTION AT A GLANCE

Monday June 17

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

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

2:30-5:00 p.m.
SIPES Foundation Seminar at the New Mexico
History Museum:
"A Sense of Time and Place in New Mexico"
by Dr. Frances Levine

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

Tuesday June 18

8:00-9:00 a.m.Spouse/Guest Breakfast (by preregistration only)

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

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

9:00 a.m.-12:30 p.m. Santa Fe Homes Tour

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

9:30 a.m.-3:00 p.m. Chimayó Tour & Lunch

12:00 Noon-1:15 p.m.
All-Convention Luncheon
& Annual Business
Meeting — Keynote
Speaker: Dr. Scott W.
Tinker, Bureau of
Economic Geology

1:00-3:30 p.m. Capitol Art Tour

1:00-5:30 p.m. Hiking Trip

1:30-5:15 p.m.
Technical Sessions

4:15-5:15 p.m. Ethics Course — Dr. W. C. Rusty Riese

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

Wednesday June 19

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

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

9:00 a.m.-1:00 p.m. Mountain Biking Trip

9:00 a.m.-2:30 p.m. Rio Grande Float Trip

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

9:30 a.m.-1:30 p.m. Cooking Class & Lunch

10:00 a.m.-1:30 p.m. Shidoni Foundry/Tesuque Glassworks Tour & Lunch

12:00 Noon-6:00 p.m. Fly Fishing Trip

6:30-9:00 p.m.Cornerstone Group Reception
(by invitation only)

Thursday June 20

8:00 a.m.-5:00 p.m.
Post-Convention Field
Trip to Dar al Islam/Plaza
Blanca, Ghost Ranch,
Lunch at Abiquiu &
O'Keeffe Museum led
by Dr. Kirt Kempter

ON THE COVER:

Photos of Ghost Ranch, New Mexico by H. Jack Naumann, Jr., #2420, of Midland, Texas.

Photos of Ghost Ranch on pages 26 and 29, along with the photo of Rio Chama on page 29 are also courtesy of H. Jack Naumann, Jr.



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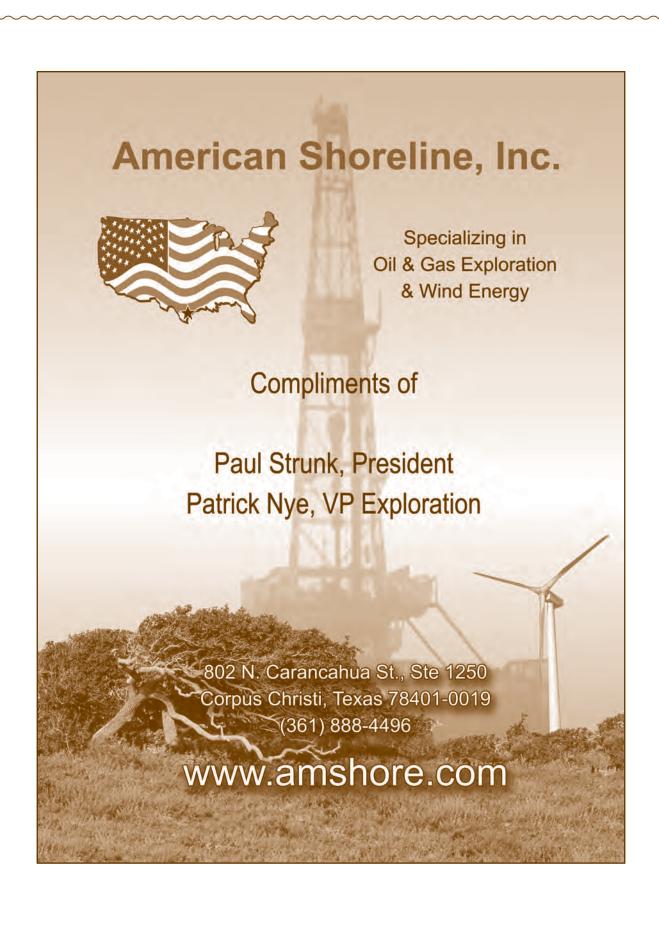


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THANKS TO THE FOLLOWING 2013 CONVENTION EMERALD SPONSOR

The Importance of SIPES National

Benefits are not always recognized or understood, but every organization or situation has them. My participation on the National Board of Directors led me to a review and subsequent rethinking of the importance of a national organization that I failed to understand before. I was thinking locally, but we are much more than that.

As stated in our SIPES Constitution Preamble (My emphasis is underlined):

"The premise for the creation of a Constitution, Bylaws and Code of Ethics of the Society of Independent Professional Earth Scientists is the need for standards of Professional competence and professional and business ethics on the part of the practitioners of the earth sciences. The Society establishes these standards which every member pledges himself/herself to uphold in his/her relationship with the public, with his/her clients, and with other members of the Society.

The Constitution, Bylaws and Code of Ethics, hereinafter set forth, provides for the Structure and operating procedures of the Society and includes the Code of Ethics under which every member is required to practice.

We increasingly work in an environment of national exposure in our business and personal lives.

National input for the vetting process leading to membership in SIPES is not only beneficial but necessary to establish credibility for the stated goals and standards that define our group. While the local chapters represent the body parts that comprise and help define this whole entity, they do not and cannot function independently from, or in place of, this national organization without potentially compromising member credibility within the National group. Yet the National organization can only be effective with the input and cooperation of all the chapters and members. The impetus for us to cooperate is simply that recognition of the standards that define our group are much better served and understood if the organization is nationally based. We still need to work in a national environment.

We are not just warm bodies for head count and budget income, nor are we a collection of independent groups under a common banner. We are, instead, a group of Independent Earth Scientists located in numerous disparate locations across the country, but joined together to espouse a common theme of high professional and ethical standards that sets us above the crowd. The importance of a National Organization then lies in the recognition we have as members of this elite group.

Beyond this now obvious primary benefit, what else does SIPES National provide? (This is not a complete list.)

- Central location for membership data
- Access to technical references specific to independents
- Access to professional expertise beyond our own local resources
- Networking opportunities for contacts to reach new markets, etc.

Citizenship requires learning the rules - Independence requires responsibility for your actions

W. R. (Bill) Finley, #2167



National President 2009-10

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WELCOME TO SANTA FE

On behalf of the SIPES members of the Midland, Texas Chapter, and the SIPES National Board of Directors we are pleased to welcome everyone to Santa Fe, New Mexico. We are indeed fortunate to be able to hold our SIPES Golden Anniversary Celebration here in the "Land of Enchantment."

In keeping with the import of this milestone in the history of our organization I hope all of us are mindful of the great benefits that we enjoy as members SIPES. It is also an occasion to give thanks and recognition to those founders of our society that gave birth to SIPES fifty years ago.

We hope that everyone enjoys themselves in this unique and wondrous setting. We expect that the special events and activities arranged by the National SIPES Organization as well as the technical programs and field trip organized by the Midland Chapter will be enjoyed by all SIPES members and their families.

The following members of the Midland Convention Committee welcome you to Santa Fe!

D. Craig Smith General Convention Chairman, Technical Programs Chairman

H. Jack Naumann Field Trip Chairman
J. David Overton Advertising Chairman

Committee Members: Don Eckerty, David Eyler, Billy Harris, John Kimberly, John Kullman,

Marc Maddox, Brian Miller, Sue Reid, Tom Wilson, and Robert Wynne.

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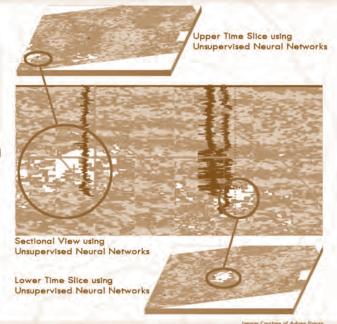
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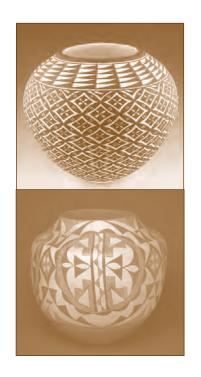
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SIPES FOUNDATION SEMINAR

Monday, June 17 — 2:30-5:00 p.m.

A Sense of Time and Place in New Mexico

by Dr. Frances Levine — Director, New Mexico History Museum
113 Lincoln Avenue — next to the Palace of the Governors

Members: \$90 Spouses: \$60 Non-Members: \$100

Registration for this event includes a museum pass



New Mexico History Museum

Few places in our nation have the combination of geography (and geology), cultural mix and history that we find in New Mexico. With more than 10,000 years of history, and a mix of natives and newcomers, New Mexico history offers a special blend of topics. Dr. Frances Levine, Director of the New Mexico History Museum, will lead us on a journey exploring the ways that people and place have combined over time in this colorful state.

Dr. Frances Levine has been director of the New Mexico History Museum since 2002, and oversaw the development and construction of the newest museum in the Museum of New Mexico system. The New Mexico History Museum campus now includes the Palace of the Governors, the oldest museum in the Museum of New Mexico system, the Fray Angélico Chavéz History Library and Photo Archives, The Palace Print Shop, and the Native American Portal Artisans Program.

A native of Connecticut, Frances received her B.A. in anthropology from the University of Colorado, Boulder, and her M.A. and Ph.D. in anthropology from Southern Methodist University, Dallas. She came to the museum from her position as the Assistant Dean of Academic Affairs for Arts and Sciences at Santa Fe Community College (in Santa Fe, New Mexico) where she also taught classes in New Mexico history and the ethnohistory of the Pueblo and Hispanic communities of the Southwest. In 2009, she attended the prestigious Getty Museum Leadership Institute.

She is the author of numerous professional publications and has recently edited an award winning overview of New Mexico history commemorating the opening of the New Mexico History Museum, *Telling New Mexico* (2010 University of New Mexico Press, with Marta Weigle and Louise Stiver).



She is also the author of *Our Prayers Are in This Place: Pecos Pueblo Identity over the Centuries* (1999, University of New Mexico Press, Albuquerque), and *Surviving Extinction: The Legacy of Pecos Pueblo* (2004, Arizona State University Publications in Anthropology, Tempe), and *Traditional Use in a Changing Landscape*, (in *Native Peoples of the Southwest*, 2001, Bergin and Garvey, Inc.), and has written introductions to several recent books on the archaeology and history of Santa Fe and New Mexico published by the Museum of New Mexico Press.

CONVENTION SCHEDULE

Monday, June 17

SIPES Foundation BOD Meeting & Continental Breakfast	DeVargas Room
Registration	North Concourse
SIPES BOD Meeting	DeVargas Room
Chapter Chairmen's Meeting	Piñon Conf. Room
SIPES Presidents' Council Meeti	ng Chaparral Conf. Room
Lunch for Board of Directors, The Gallery Chapter Chairmen, & Past Presidents	
Hospitality Suite Open	Presidential Suite
SIPES Foundation Seminar: "A Sense of Time and Place in New Mexico" by Dr. Frances Levine	New Mexico History Museum 113 Lincoln Avenue
Icebreaker	Pavilion
Tuesday, June 18	
Spouse/Guest Breakfast (by preregistration only)	Presidential Suite
Registration	North Concourse
Technical Sessions	Zia Ballroom
Santa Fe Homes Tour	
Hospitality Suite Open	Presidential Suite
Chimayó Tour & Lunch	
All-Convention Luncheon & Business Meeting Keynote Speaker: Dr. Scott W. Tinker	Sunset Room
Capitol Art Tour	
Hiking Trip	
Technical Sessions	Zia Ballroom
Ethics Course by Dr. W. C. Rusty Riese	Zia Ballroom
SIPES Awards Banquet	Sunset Room
	Registration SIPES BOD Meeting Chapter Chairmen's Meeting SIPES Presidents' Council Meeti Lunch for Board of Directors, Chapter Chairmen, & Past Presi Hospitality Suite Open SIPES Foundation Seminar: "A Sense of Time and Place in New Mexico" by Dr. Frances Levine Icebreaker Tuesday, June 18 Spouse/Guest Breakfast (by preregistration only) Registration Technical Sessions Santa Fe Homes Tour Hospitality Suite Open Chimayó Tour & Lunch All-Convention Luncheon & Business Meeting Keynote Speaker: Dr. Scott W. Tinker Capitol Art Tour Hiking Trip Technical Sessions Ethics Course by Dr. W. C. Rusty Riese

Wednesday, June 19

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

8:30 - 11:45 a.m. Technical Sessions Zia Ballroom

9:00 a.m. - 1:00 p.m. Mountain Biking Trip

9:00 a.m. - 2:30 p.m. Rio Grande Float Trip

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

9:30 a.m. - 1:30 p.m. Cooking Class & Lunch

10:00 a.m. - 1:30 p.m. Shidoni Foundry/Tesugue Glassworks

Tour & Lunch

12:00 Noon - 6:00 p.m. Fly Fishing Trip

6:30 - 9:00 p.m. Cornerstone Group Reception

(by invitation only)

Thursday, June 20

8:00 a.m. - 5:00 p.m. Post-Convention Field Trip to

Dar al Islam/Plaza Blanca,

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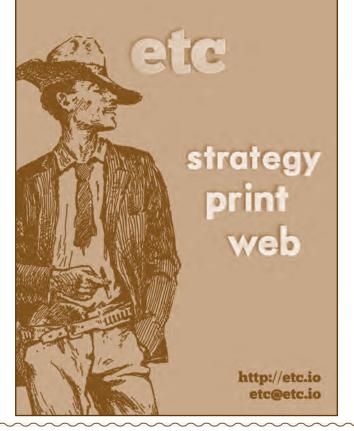
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CONVENTION ACTIVITIES REGISTERED EVENTS

ENTRANCE TO MEETING EVENTS

Entrance to all SIPES meeting events and tours will be by convention name badge. You may 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 Thursday Post-Convention Field Trip.

Tickets to SIPES events and tours are non-transferable.

ICEBREAKER

Monday, June 17 — 6:00-7:30 p.m.

Meet with friends and colleagues while enjoying outstanding hors d'oeuvres and drinks at the 2013 Convention Icebreaker. Each registrant will receive two complimentary drink tickets. A cash bar will also be available.

If your spouse or guest is not registered for the convention and wants to attend this event, you will need to purchase an additional ticket.

ALL-CONVENTION LUNCHEON & ANNUAL BUSINESS MEETING WITH KEYNOTE SPEAKER — SCOTT W. TINKER

Tuesday, June 18 — 12:00-1:15 p.m.

"K is for . . ."

Dr. Scott W. Tinker is Director of the Bureau of Economic Geology, the State Geologist of Texas,



Scott Tinker

Director of the Advanced Energy Consortium, a professor holding the Allday Endowed Chair and acting Associate Dean of Research in the Jackson School of Geosciences at the University of Texas at Austin.

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

ETHICS COURSE

Tuesday, June 18 — 4:15-5:15 p.m.
"Oil Spills, Ethics, and Society:
How They Intersect and Where
the Responsibilities Reside"



Rusty Riese

by W. C. Rusty Riese

Dr. W. C. Rusty Riese is a geoscientist based in Houston, Texas, and is the AAPG Distinguished Ethics Lecturer. He is widely experienced, having worked in both minerals and petroleum as a geologist, geochemist, and manager for more than forty years. He also has extensive teaching experience and is currently an adjunct professor at Rice University and the University of New Mexico.

There is no fee to attend this course; it is presented to help meeting attendees meet ethics course requirements. Certificates of completion were prepared for attendees who indicated that they would attend. They will be distributed after the course.

HOSPITALITY ROOM

Monday, June 17 — 1:30-5:00 p.m. Tuesday, June 18 — 9:00 a.m. - 4:30 p.m. Wednesday, June 19 — 9:00 a.m. - 4:30 p.m.

Welcome to Santa Fe! Here registered attendees will find a continental breakfast in the morning and light beverages during the day.

SPOUSE/GUEST ONLY BREAKFAST

Tuesday, June 18 — 8:00-9:00 a.m.

Enjoy a "Meet and Greet" full breakfast in the SIPES Presidential Suite Hospitality Room before beginning a tour, or exploring Santa Fe. This is a great opportunity to meet spouses and guests from all SIPES Chapter cities. This event is free to registered spouses and guests who pre-registered for it.

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TECHNICAL PROGRAM

Tuesday, June 18

8:30 - 9:00 a.m. — "Energy Makes America Great" by Marita Noon, Energy Makes America Great Inc. & Citizens' Alliance for Responsible Energy

9:00 – 9:30 a.m. — "Helium in New Mexico: Geologic Distribution and Exploration Possibilities" by Ron Broadhead, New Mexico Bureau of Geology and Mineral Resources

9:30 – 10:00 a.m. — "Conceptual Cost-Effective, Safe, and Simplified Design of New Multistage Mega Fracture Completions of Horizontal & Vertical Wells – Unconventional and Resource Plays" by Vithal Pai, XACT Technologies, Inc.

10:00 - 10:15 a.m. — BREAK

10:15 - 10:45 a.m. — Vithal Pai, XACT Technologies, Inc. Continued

10:45 – 11:15 a.m. — "Mississippian Lime Play Oklahoma and Kansas: An Uber-Unconventional Play" by James Honert, Century Exploration Resources

11:15-11:45 a.m. — "The Permo-Penn Shale — Characterizing a New Resource Play in the Midland Basin" by Mark Elliott, Laredo Petroleum, Inc.

1:30 - 2:00 p.m. — "Alternative Transportation Systems of the Near Future for Achieving Improved Fuel Economy" by Ronald Matthews, Ph.D., Automotive Research Labs, University of Texas at Austin

2:00 - 2:30 p.m. — "Screening Ancient Electric Well Logs for By-Passed Pay" by Thomas Howard, PayZone, Inc.

2:30 – 3:00 p.m. — "The Road from Conventional to Unconventional Play: Resource Plays; The New Paradigm" by Michael Party,
SIPES Limited Member, Reliance Energy

3:00 - 3:15 p.m. — BREAK

3:15 - 3:45 p.m. — "Attribute Analysis Using Unsupervised Neural Networks" by Deborah Sacrey, #1271, Auburn Energy

3:45 - 4:15 p.m. — "Venteam Field: Sow's Ear to Silk Purse" by Robert "Tom" Dickey,
Murchison Oil & Gas

4:15 - 5:15 p.m. — Ethics Course - "Oil Spills, Ethics and Society: How They Intersect and Where the Responsibilities Reside" by W. C. "Rusty" Riese, Ph.D., #3355 — AAPG Distinguished Lecturer

Wednesday, June 19

8:30 - 9:00 a.m. — "The Pronghorn Zone in Stark and Billings counties, North Dakota — A Sweet-Spot Area in the Bakken Petroleum System" by Orion Skinner, Whiting Oil and Gas

9:00 - 9:30 a.m. — "The Development of Seismic/Sequence Stratigraphy and its Application to Hydrocarbon Exploration and Development" by Frederick Sarg, Ph.D., Colorado School of Mines

9:30 – 10:00 a.m. — "Understanding and Exploiting 'Unconventional' Conventional Reservoirs" by Louis Mazzullo, #1455, Mazzullo Energy Corporation

10:00 - 10:15 a.m. — BREAK

10:15 - 10:45 a.m. — "Winners and Losers in Unconventional Hydrocarbon Exploitation" by Allen Gilmer, Drillinginfo, Inc.

10:45 – 11:15 a.m. — "Ardmore Basin: Woodford Shale: Midlife Development" by Billy Harris, SIPES Limited Member, Wagner & Brown, Ltd.

11:15 - 11:45 a.m. — "Politics: Local, State and National Impacts on the Oil and Gas Industry" by Bob Gallagher, RMG Consulting, LLC

Craig Smith, #3124, Midland, Texas — Technical Program Chairman Schedule and speakers are subject to change.

TECHNICAL SESSION SPEAKERS



Ron Broadhead — New Mexico Bureau of Geology and Mineral Resources

"Helium in New Mexico: Geologic Distribution and Exploration Possibilities"



"Venteam Field: Sow's Ear to Silk Purse"



Mark Elliott — Laredo Petroleum, Inc.

"The Permo-Penn Shale — Characterizing a New Resource Play in the Midland Basin"

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"Politics: Local, State and National Impacts on the Oil and Gas Industry"

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Thomas Howard — PayZone, Inc.
"Screening Ancient Electric Well Logs
for By-Passed Pay"





Ronald Matthews, Ph.D. — General Motors Foundation Engines and Automotive Research Labs, The University of Texas at Austin

"Alternative Transportation Systems of the Near Future for Achieving Improved Fuel Economy"



Louis Mazzullo, #1455 — Mazzullo Energy Corporation

"Understanding and Exploiting 'Unconventional' Conventional Reservoirs'

Marita Noon — Energy Makes America Great Inc. & Citizens' Alliance for Responsible Energy

"Energy Makes America Great"





Vithal Pai — XACT Technologies, Inc.

"Conceptual Cost-Effective, Safe, and Simplified Design of New Multistage Mega Fracture Completions of Horizontal & Vertical Wells — Unconventional & Resource Plays"

Michael Party, SIPES Limited Member — Reliance Energy

"The Road from Conventional to Unconventional Play: Resource Plays; The New Paradigm"





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Ethics Course — "Oil Spills, Ethics, and Society: How They Intersect and Where the Responsibilities Reside"

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"Attribute Analysis Using Unsupervised Neural Networks"





Frederick Sarg, Ph.D. — Colorado School of Mines

"The Development of Seismic/Sequence Stratigraphy and its Application to Hydrocarbon Exploration and Development"

Orion Skinner — Whiting Petroleum Corporation

"The Pronghorn Zone in Stark and Billings counties, North Dakota — A Sweet-Spot Area in the Bakken Petroleum System"



2013 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 18



Santa Fe Homes Tour

9:00 a.m. – 12:30 p.m. \$200.00 per person

Visit some of Santa Fe's finest homes and gardens

on a private tour led by the Santa Fe Garden Club. Enjoy three beautiful residences on a 3.5-hour tour hosted by Santa Fe Garden Club Members.

Cost includes written descriptions of homes, bottled water, tour, transportation, tax and gratuity.

El Santuario de Chimayó Tour & Lunch

9:30 a.m. – 3:00 p.m. \$250.00 per person

Travel to this charming village to visit the famous El Santuario de Chimayó, the



Lourdes of America, known for the healing "miraculous earth." You will also view the magnificent and authentic weavings of the historic Trujillo family, who have been weaving in the Spanish Colonial tradition for many generations. Enjoy a traditional northern New Mexican lunch at the Rancho de Chimayó, located in a centuryold adobe.

Cost includes tour, guide, transportation, lunch, taxes and gratuities.



New Mexico State Capitol Tour & Capitol Art Foundation

1:00 – 3:30 p.m. \$75.00 per person

Take a docent-led tour of the New Mexico Capitol building, often referred to as the "Roundhouse" because of its circular structure. Then continue with a private tour of New Mexico Capitol Art Collection, one of the most comprehensive collections of contemporary art in the region. The works are part of the permanent exhibition in the collection or on temporary exhibition in one of the rotundas. The collection exists throughout the Capitol Complex — the main building, the Annex walkway, the North Annex, and on the grounds.

There is no transportation provided to or from the capitol, which is approximately six blocks from the Eldorado Hotel. Free parking is available across from the capitol.

Cost includes a donation to the Capitol Art Foundation, a non-profit organization.

Hiking Trip

1:00 – 5:30 p.m. \$150.00 per person

Take a moderate hike on the *Rio En Medio* Trail. It's a five-mile round trip shaded hike up a gradual incline of 800 feet along a creek to a waterfall. A lovely walk in the foothills of the Sangre de Cristo Mountains.



Cost includes hike, transportation, guide, snack, bottled water, tax and gratuity.

(Continued)

Wednesday, June 19



Mountain Biking Trip

9:00 a.m. – 1:00 p.m. \$200.00 per person

Enjoy a moderate off-road mountain bike ride along the visually striking *Caja del Rio* trail. Your destination is the Rio Grande River. Please

provide your height when registering to assure the best fitting bike for your tour.

Cost includes bike rental, helmet, tour guide, transportation, snack, bottled water, tax and gratuity.

Rio Grande Float Trip

9:00 a.m. – 2:30 p.m. \$250.00 per person



Take a relaxing three-hour raft trip through the Rio Grande Gorge with a few

mild class II rapids thrown in. Enjoy the beautiful scenery and look for wildlife along the way. Lunch will be provided after the trip. Please do not wear flip-flops.

Cost includes rafting trip, life jackets and raingear, guide, transportation, deli buffet lunch, tax and gratuity.

Cooking Class & Lunch

9:30 a.m. – 1:30 p.m. \$225.00 per person

Enjoy a unique, hands-on private cooking class conducted by the Santa Fe School of Cooking, set in their beautiful new facility located within walking dis-



tance of the Eldorado Hotel. Participants will divide into groups to prepare a multi-course lunch.

Cost includes cooking class, recipes, lunch, a glass of wine, taxes and gratuities.



Shidoni Foundry & Tesuque Glassworks Tour with Lunch

10:00 a.m. – 1:30 p.m. \$235.00 per person

Visit the Shidoni Foundry in the village of Tesuque, an art gallery including eight acres of sculpture gardens and a bronze art foundry. You

will have the opportunity to visit the indoor art galleries which represent more than 150 artists from all over the country and stroll the gallery sculpture gardens. Next to Shidoni is Tesuque Glassworks, where they are dedicated to helping local artists, as well as teaching the public about glass working. Watch artists at work and then step into the gallery to browse or buy. Finish with lunch back in Santa Fe at the renowned restaurant, Santacafé.

Cost includes tours, guide, transportation, bottled water, lunch, taxes and gratuities.

Fly Fishing Trip

12:00 Noon – 6:00 p.m. \$475.00 per person

Fish for four peaceful hours on private land in a river near Santa Fe (exact location determined by water levels and run at time of trip).



Cost includes all fishing gear, guide, transportation, New Mexico fishing license, snacks and bottled water.



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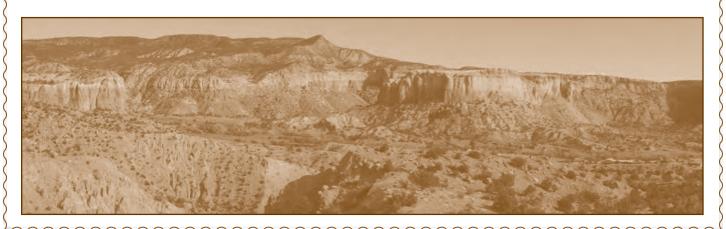
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SIPES AWARDS BANQUET

Tuesday, June 18 6:30 - 9:30 p.m.

Come to the SIPES Awards Banquet for a funfilled evening with new colleagues and old acquaintances! A cash bar will be available at 6:30 p.m., followed by a delicious dinner to 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*. You will enjoy this festive evening in beautiful Santa Fe.

Fee: \$120 per person

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

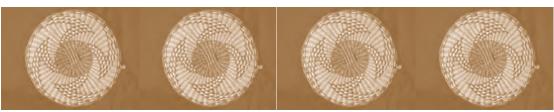


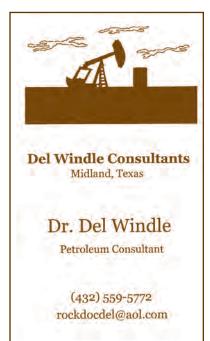


Mike Austin

Putnam Reiter

SIPES Outstanding Service Award plaques will be presented to Michael N. Austin, #2366, of Denver, Colorado, and Putnam K. Reiter, #294, of Mexia, Texas. Mike and Putnam are being recognized for their many years of service to the SIPES organization.









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POST-CONVENTION FIELD TRIP

Thursday, June 20

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

Fee: \$215.00 per person

Dar al Islam/Plaza Blanca — Ghost Ranch — Abiquiu — O'Keeffe Museum



RIO CHAMA

This day in the field will explore the geologic story behind the landscape that so fascinated Georgia O'Keeffe at her homes in Abiquiu and at Ghost Ranch. Santa Fe geologist Dr. Kirt Kempter will lead participants on an easy, one-mile hike at Plaza Blanca, which inspired several of Georgia's paintings. Travelling from Santa Fe we will traverse the Rio Grande Rift, looking at basin-fill sediments and volcanic units now exposed by Quaternary erosion. At Plaza Blanca, we will also observe bizarre and captivating rock formations in the Abiquiu Formation, one of the early rift-filling sediments. Following our morning hike we will continue towards Ghost Ranch, where dinosaur-age rocks ring the panoramic Piedra Lumbre on the eastern edge of the Colorado Plateau. At Ghost Ranch we will discuss the Mesozoic history of New Mexico, and the story told by the rock strata on the eastern edge of the Colorado Plateau. En route back to Santa Fe, highway stops will be made to appreciate scenic vistas along the Rio Chama and to learn more about how the Abiquiu landscape evolved over geologic time.



Dr. Kirt Kempter is a field geologist and teacher based in Santa Fe, New Mexico. A Fulbright Fellow, Kirt has led many geologic expeditions to Bryce, Zion, and Grand Canyon National Parks, and has published numerous maps and articles on the geology of the American Southwest. He has conducted fieldwork on a National Geographic-funded project, as well as studies of plate tectonics and volcanism around the world, including Iceland, Costa Rica, and Mexico. He received his Ph.D. in geology from the University of Texas.

This trip will also include a tour of the historic buildings at Ghost Ranch, lunch at the Abiquiu Inn, and concludes with a docent-led group tour of the O'Keeffe Museum in Santa Fe.



Tour includes transportation, lunch, museum admission, taxes and gratuities.



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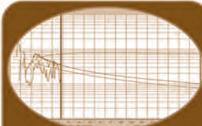
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DR. SCOTT W. TINKER,

Director Bureau of Economic Geology, State Geologist of Texas

AT THE ALL CONVENTION LUNCHEON
Tuesday, June 18th 2013

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WONDERFUL CONVENTION EXPERIENCE





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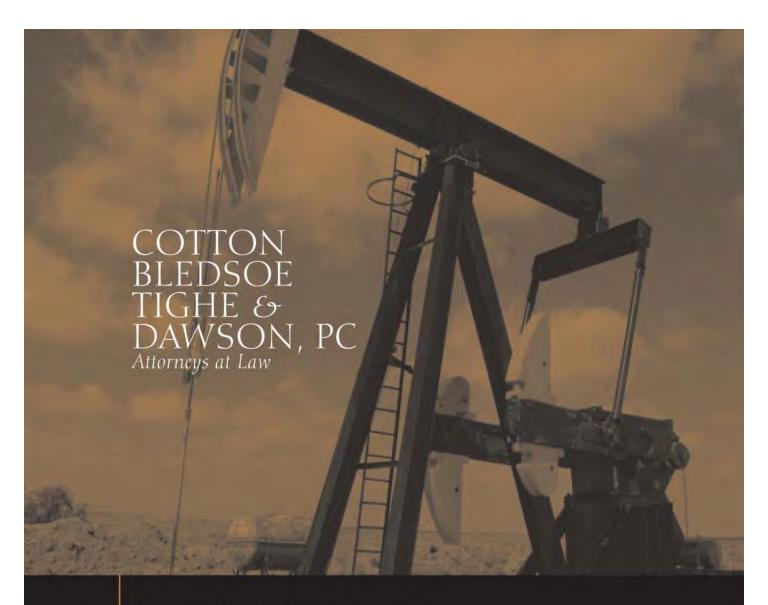
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