Society of Independent Professional Earth Scientists



SIPES 55TH ANNUAL MEETING & 2018 CONVENTION



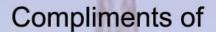
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Survive & Thrive

JUNE 11-14, 2018

Santa Fe & New Mexico

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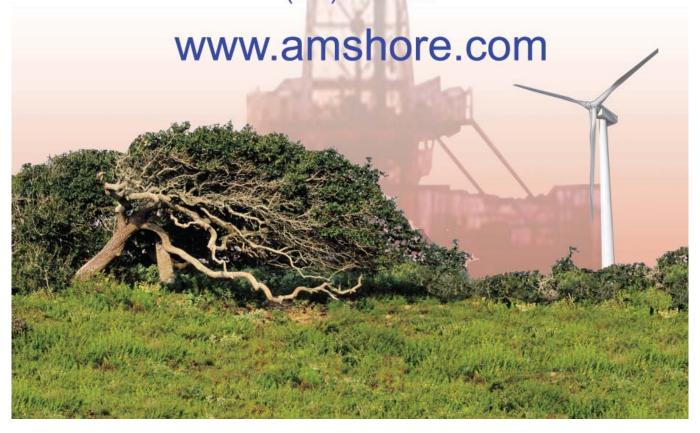


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SIPES 2018 CONVENTION AT A GLANCE

Monday - June 11

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 Chairmens' 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

2:00-5:00 p.m.SIPES Foundation
Seminar

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

8:00-11:00 p.m.Astronomy Adventures
Tour

Tuesday - June 12

8:20-11:45 a.m.

Technical Sessions

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

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

10:00 a.m.-12:00 p.m. Canyon Road Walking Tour

12:00-1:15 p.m.

All-Convention Luncheon & Annual Business Meeting

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

2:00-5:00 p.m.Restaurant Walking Tour

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

Wednesday - June 13

8:25-11:45 a.m. Technical Sessions

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

9:30 a.m.-12:00 p.m. Botanical Garden Tour

9:00 a.m.-2:00 p.m. Hospitality Suite

10:00 a.m.-12:00 p.m. SIPES Discovery Room

1:30-2:30 p.m. Ethics Course

2:00-5:00 p.m. Historic Downtown Walking Tour

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

Thursday - June 14

8:00 a.m.-5:00 p.m.
Post-Convention Field
Trip to the Jemez
Mountains — led by
Kirt Kempter

On the cover:

Ghost Ranch photo is courtesy of H. Jack Naumann, Jr., #2420.





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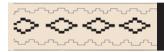


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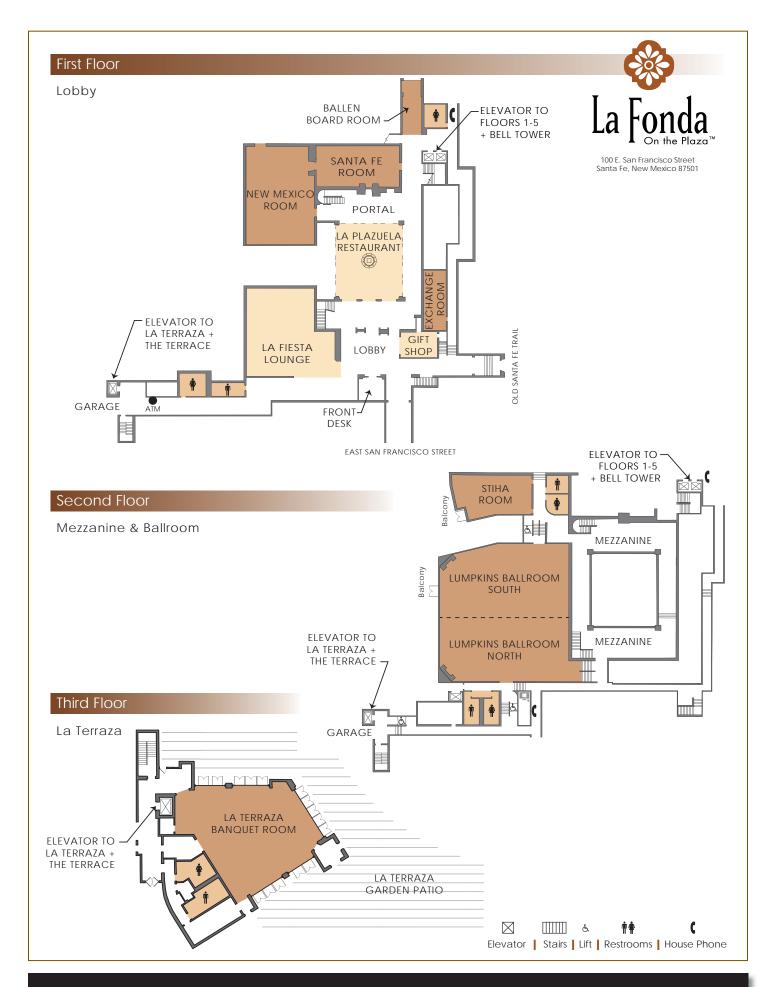
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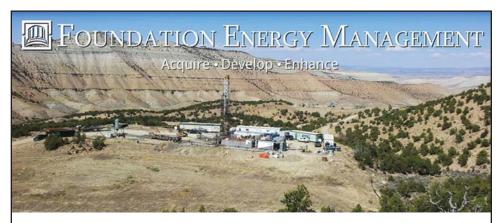


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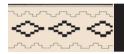


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THE SIPES DISCOVERY ROOM



Douglas H. McGinness II — Discovery Room Chairman

What is it?

The SIPES Discovery Room is back! This exciting forum is 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 on 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 presenter 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 check out the Discovery Room, which will be open on Wednesday from 10:00 a.m. to 12 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.)



Plan to attend the SIPES 56th Annual Meeting & 2019 Convention June 3-6 • Estes Park, Colorado!





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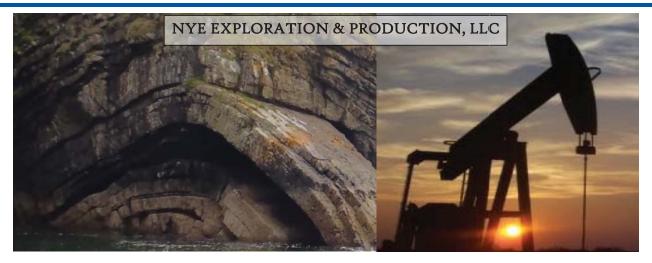
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CONVENTION SCHEDULE



Monday, June 11

8:00-9:45 a.m	. SIPES Foundation BOD Meeting & Continental Breakfast	. Santa Fe Room
8:30 a.m5:00 p.m	. Registration	. Portal
10:00 a.m2:00 p.m	. SIPES BOD Meeting	. Stiha Room
10:00 a.m12:00 p.m	. Chapter Chairmen's Meeting	. Exchange Room
10:00 a.m12:00 p.m	. SIPES Presidents' Council Meeting	. Ballen Boardroom
12:00-1:00 p.m	. Lunch for Board of Directors,	. La Terraza
2:00-5:00 p.m	. SIPES Foundation Seminar	. New Mexico Room
6:00-7:30 p.m	. Icebreaker (Registered Attendees Only!)	. La Terraza
8:00-11:00 p.m	. Astronomy Adventures Tour	

Tuesday, June 12

8:20-11:45 a.m	. Technical Sessions	. New Mexico Room
8:30 a.m4:30 p.m	. Registration	. Portal
9:00 a.m4:00 p.m	. Hospitality Suite	. Santa Fe Room
10:00 a.m12:00 p.m	. Canyon Road Walking Tour	
12:00-1:15 p.m	. All-Convention Luncheon & Business Meeting	. La Terraza
1:30-5:00 p.m	. Technical Sessions	. New Mexico Room
2:00-5:00 p.m	. Restaurant Walking Tour	
6:30-9:00 p.m	. SIPES Awards Banquet	. Lumpkins Ballroom

Please note: The SIPES Registration Desk will close at 5:00 p.m. on Monday. If you are arriving at the hotel after that time, please advise the SIPES office before Friday, June 8, 2018. Your registration materials can be left with the hotel check-in desk.

Wednesday, June 13

8:25-11:45 a.m	. Technical Sessions	New Mexico Room
8:30 a.m12:00 p.m	. Registration	Portal
9:30 a.m12:00 p.m	. Botanical Garden Tour	
9:00 a.m2:00 p.m	. Hospitality Suite	Santa Fe Room
10:00 a.m12:00 p.m	. SIPES Discovery Room	Santa Fe Room
1:30-2:30 p.m	. Ethics Course by David Abbott	New Mexico Room
2:00-5:00 p.m	. Historic Downtown Walking Tour	
6:30-9:00 p.m	. Cornerstone Group Reception (by invitation only)	

Thursday, June 14

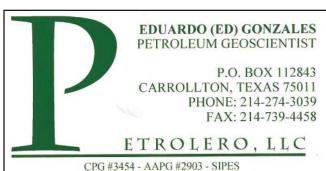
8:00 a.m.-5:00 p.m. Post-Convention Field Trip to the Jemez Mountains led by Kirt Kempter

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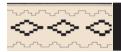
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SIPES FOUNDATION SEMINAR



Monday, June 11 — 2:00-5:00 p.m.

Members: \$90 • Non-Members: \$100 • Spouses/Guests: \$60

Foundations of Colonization: New Mexico History through the Sixteenth Century

by Eric Blinman, Ph.D.

Director, Office of Archaeological Studies, Museum of New Mexico, New Mexico Department of Cultural Affairs

Three Thousand Years of History, Settlement and Culture in the Greater Santa Fe Area

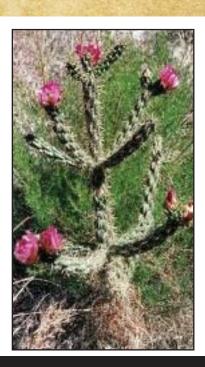
by Hilario Romero, Ph.D.

Retired Professor of History, Spanish and Education and former New Mexico State Historian

Over the Santa Fe Trail to Mexico: The Travel Diaries of Rowland Willard 1825-1828

by Joy Poole

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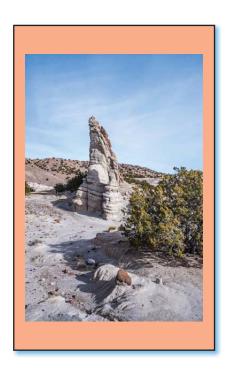
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CONVENTION ACTIVITIES REGISTERED EVENTS



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
- All-Convention Luncheon on Tuesday
- SIPES Ethics Course on Wednesday
- 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
- Hospitality Suite with light refreshments
- 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 available, non-registered spouses and guests may register for the Thursday Post-Convention Field Trip at the higher rate.



THOMAS E. POCHÉ

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Icebreaker

Monday, June 11 — 6:00-7:30 p.m.

Meet with friends and colleagues while enjoying outstanding hors d'oeuvres and drinks at the 2018 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 12 — 12:00-1:15 p.m.



Building on Successes and Failures — The Life of an Independent

by Patrick A. Nye, #3105 NYE Exploration & Production, LLC Corpus Christi, Texas

My grandfather was an attorney, poet and philosopher. One of his most memorable quotes was that "Opportunity comes to those who are trained to receive it!" (J. Sidney Nye). How true this statement resonated during my life as an independent oilman especially when you consider how many different hats we wear! Having been blessed by being involved in over 200 wells during my career, there are highs and lows that only the wife of an independent could accurately describe. I will always remember my first well — a dry hole, located between a well-mapped field and a downdip show well — but the last three wells we drilled appear to be successes. Learning from each event leads to probabilities of successful outcomes in the future. However, sometimes it takes significant events — lifechanging events that change one's course to navigate in new directions.

Career Highlights -

- (I) Eagle Ford, Austin Chalk, Wilcox, Yegua, Hockley, Vicksburg, Frio, and Miocene.
- (2) Peñascal Wind Farm South Texas and Tres Mesas Wind Farm, Tamaulipas, Mexico.
- (3) Catching all nine billfish species.

Patrick Nye has more than thirty-five years of experience in oil and gas exploration and development, and more than fifteen years in the renewable energy business. He formed Nye Exploration & Production and Nye Renewables where he continues to prospect and invest in both businesses.

Patrick holds a Bachelor's degree in zoology with a minor in chemistry from Texas Tech University where he played collegiate tennis. He earned his Bachelor of Science degree in geology from Texas A&M Kingsville. Patrick has served as chairman on numerous committees with the Corpus Christi Geological Society, CCGS Scholarship Committee, and on boards with local log libraries. He is a member of AAPG, South Texas Geological Society, and Coastal Bend Geophysical Society, and is certified by the Board of Professional Geoscientists. Patrick is a past chairman of the SIPES Corpus Christi Chapter; he has also served as SIPES Foundation President and as a SIPES National Director. Currently, he is serving as SIPES National President. Patrick was chairman for the SIPES National Convention held in Vail in 2017.

Patrick is a native of Corpus Christi residing across the waters in Ingleside on the Bay with his wife Julie. Their sons, Austin (Geologist) and Colin (Operations Manager), both reside in Corpus Christi as part of the team at Nye Exploration & Production. They have a natural foursome for golf and all love to fish, especially offshore.

The SIPES All-Convention Luncheon is included in the full convention registration fee. Registered spouses or guests who want to attend can purchase an individual ticket for the event if space is available.



207 Flicker Court, Alto New Mexico, 88312

Jerry S. Stokes
Certified Petroleum Geologist #4349

Mobile: (817) 925-5436 Alto: (575) 336-2077 Website: MidConGeo.com

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Ethics Course

Wednesday, June 13 — 1:30-2:30 p.m.



Aspects of Geoscience-related
Ethics Codes
by David M. Abbott, Jr.
Consulting Geologist —
Denver, Colorado

This talk examines several issues in geoscience-related ethics including: continuing professional development — encouraged or required; public protection versus confidentiality; ethical, but upsetting research; a look at the problems with models; and whistleblowing — when, how, and consequences; the protection of geodiversity; failure to respect others' opinions; and aspects of switching jobs.

David Abbott holds an A.B. in earth sciences from Dartmouth College, and an M.S. in geology from the Colorado School of Mines. Mr. Abbott has authored over 50 papers on geoscience ethics since 1989.

He was a geologist with the U.S. Securities and Exchange Commission from 1975-1996, and investigated mining and oil and gas fraud among other duties. He has been a consultant since 1996, specializing in the due diligence review of reserve and resource estimates, in the review of disclosures about natural resources disclosures, and the review of mineral exploration and development programs for precious and base metals, and industrial minerals.

In addition, he has the following qualifications:

- American Institute of Professional Geologists Ethics Committee Chairman Emeritus since 2017 following over 20 years as Chairman.
- Compiler of The Professional Ethics & Practices column in AIPG's *The Professional Geologist* since 1995; 166 columns published so far.
- American Association of Petroleum Geologists Distinguished Lecturer for Ethics 2018-19.
- Member Australasian Institute of Mining and Metallurgy's Ethics Committee.
- Honorary Member of AIPG and Certified Professional Geologist, No. 4570.
- Fellow of AusIMM, GSA, GSL, SEcG.
- Member of AAPG, MMSA, SME.

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



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Mark Rush, Cell: (281) 507-3688, O (713) 462-2388 x104

mrush@magnumproducing.com

SIPES 2018 CONVENTION TECHNICAL PROGRAM

Tuesday, June 12

Resources of New Mexico

8:20-8:30 a.m. — Bob Leibrock, #1673

"Opening Remarks"

8:30-9:00 a.m. — Virginia McLemore —

New Mexico Bureau of Geology and Mineral Resources

"Mining Issues Facing New Mexico in 2018"

9:00-9:30 a.m. — Bruce Black — Black Exploration

"Oil Occurrences in the Rio Grande Rift"

9:30-10:00 a.m. — Laura Reich —

Geologist & Geophysicist

"Geologic Curiosities of North Central New Mexico"

10:00-10:15 a.m. — Break

Oil in New Mexico

10:15-10:45 a.m. — **Ron Broadhead** — New Mexico Bureau of Geology and Mineral Resources

"Petroleum Geology of New Mexico: An Overview and Recent Developments"

10:45-11:15 a.m. — **Eddie David**, #2269 — David Petroleum Corporation

"A Lifetime of Riding the WTI Price Roller Coaster"

11:15-11:45 a.m. — **James Manatt** — Thrust Energy, Inc.

"Bypassed Oil behind Pipe: Pioneering a Third New Mexico Basin into Production — The Trials and Tribulations"

Exploration Tools for the Independent

1:30-2:00 p.m. — **Jerry Stokes**, #2866 —

Mid-Continent Geological, Inc.

"Electronic Geology ... Raw Data to Presentation Maps"

2:00-2:30 p.m. — Grant Fergeson, #2320

"Shell's \$560 Million Mistake, Arco & Sohio's \$1.25 Billion Mistake, and Exxon's Much, Much Bigger Mistake, OR Thank God for Independents!"

2:30-3:00 p.m. — Kenneth Hooper —

La Mesa Geophysical Services, Inc.

"Prospect-Focused Seismic Survey in Trend Development Strategies"

3:00-3:30 p.m. — Break

3:30-4:00 p.m. — **Wayne Hoskins** — MapSnapper, LLC

"From Prospect Map to Data Volume — Getting the Best 3D Seismic Recorded"

4:00-4:30 p.m. — **John Everett** — Front Range Natural Resources, LLC

"Remote Sensing — Getting More Exploration for Less Money"

4:30-5:00 p.m. — **Dietmar (Deet) Schumacher** — E&P Geo)(Field Services

"Surface Geochemical Exploration for Oil and Gas: New Life for an Old but Underutilized Technology"

Wednesday, June 13

Field Histories

8:25-8:30 a.m. — Opening Remarks

8:30-9:00 a.m. — Dick Boyce, #3245 — dB, LLC

"Not all Wolfcamp Wells have to be Horizontal: — A Throwback to the Way Things Used to be"

9:00-9:30 a.m. — **Robert Wiener** — Goh Exploration, Inc.

"Shallow Ellenburger and Pennsylvanian Section Re-exploration using Basic Geology and Innovative Technology"

9:30-10:00 a.m. — $\bf Richard\ Mason$ — $\bf Hart\ Energy$

"Evolving Trends in North America's Oil and Gas Market"

10:00-10:15 a.m. — Break

10:00 a.m.-12:00 Noon — SIPES Discovery Room Open

10:15-10:45 a.m. — **Pat Gratton**, #412 — Independent Geologist

"Adaptive Geoscientist ... the Key to Survival/Success in Good Times and Bad"

10:45-11:45 a.m. — **Kirt Kempter** — New Mexico STATEMAP Program

Field Trip Preview — "The Geologic Story of the Jemez Mountains"

1:30-2:30 p.m. — **David Abbott** — Consulting Geologist

Ethics Course — "Aspects of Geoscience-related Ethics Codes"

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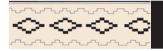
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SIPES AWARDS BANQUET



Tuesday, June 12 — 6:30-9:00 p.m.

Fee: \$135 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.



Hampton Sides

Hampton Sides will present a narrative weaving the adventures of Kit Carson, the U.S. Army, and the Santa Fe Trail into the saga of settling the southwest. Every person (or couple) attending the dinner will receive one pre-signed copy of the book!

An Epic Life, an Epic Landscape

Love him or hate him, New Mexico frontiersman Kit Carson lived an outsized life as a mountain man, scout, explorer, Indian agent, and soldier. His eventful career provides a fascinating lens for understanding the rich history of the Southwest. In this multimedia talk, historian Hampton Sides, author of the bestselling history *Blood and Thunder*, uses Carson as the jumping off point for a spirited and wide-ranging discussion of New Mexico and the American Southwest.

Narrative historian **Hampton Sides** is the *New York Times* bestselling author of many books, including

the critically acclaimed *Blood and Thunder*, which chronicles the controversial life and times of the legendary frontiersman, Kit Carson, and his role in the "winning" of the American West and the conquest of the Navajo Nation. Hampton lives in Santa Fe, New Mexico, where he is editor-at-large at *Outside* magazine. He frequently writes for *Smithsonian*, *National Geographic*, and other publications and teaches narrative non-fiction at Colorado College.

Awards Ceremony



Art Pansze

There will also be an awards ceremony to recognize retiring national directors. The SIPES Outstanding Service Award will be presented to Arthur J. Pansze, Jr., #734, of Arvada, Colorado, 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 be drawn. You do not need to be present to win.

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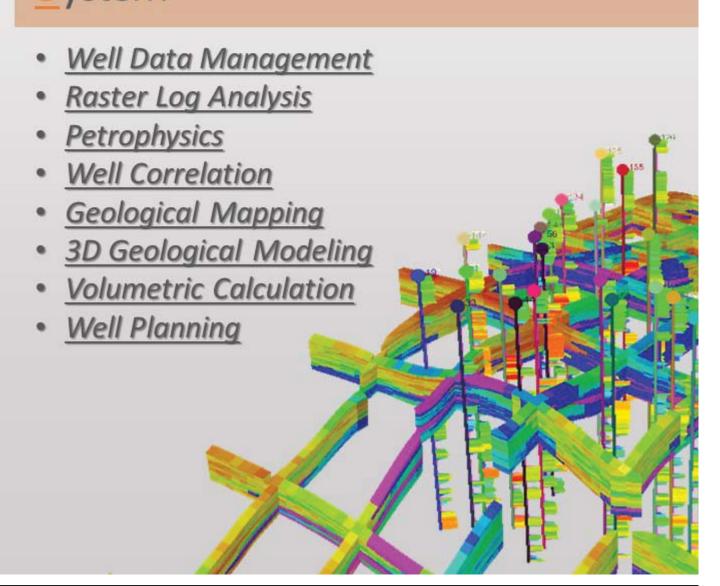
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EXPLORING SANTA FE



You must be a registered meeting attendee in order to sign up for the tours on this page.

All tours are non-refundable and non-transferable. All tours will meet in the front lobby of the La Fonda.

Monday, June 11

Astronomy Adventures Tour

8:00-11:00 p.m. \$105 per person



There is a wonderful natural resource in New Mexico — dark skies that allow us to see a greater density of stars than in many other states. Getting a peek at our increasingly rare dark skies can help make your

trip to New Mexico as enchanting and memorable as possible. For 17 years, astronomer Peter Lipscomb's friendly, low-key presentations and textbook knowledge of the natural sky has been bringing the universe to life for visitors.

Astronomy Adventures tours highlight objects that are most favorably placed depending upon the time of year. A large Newtonian reflector telescope is used with a mirror that is 20 inches (0.51 meter) in diameter! Taller than most people when pointed straight up, it can show a great amount of detail on planets and the moon, as well as star clusters, nebulae and galaxies many light years distant.

A short bus ride from Santa Fe to the safe and secure dark site will get you acquainted with some of nature's most distant and beautiful creations. There will be light snacks and a few bottles of wine available. Space is limited. Please see http://www.astronomyadventures.com/ for more information.

Tuesday, June 12

Canyon Road Walking Tour

10:00 a.m.-12:00 p.m. \$40 per person

We will meet the guide at the low end of Canyon Road and tour several of the galleries. You can plan to have lunch on your own after the tour if you choose.



Restaurant Walking Tour

2:00-5:00 p.m. \$155 per person

The tour begins at the Santa Fe School of Cooking and includes a guided tour of four of Santa Fe's most prestigious dining destinations. Each stop will include a private tasting, and audience with the chef and owner.



Wednesday, June 13

Santa Fe Botanical Garden Tour

9:30 a.m.-12:00 p.m. \$40 per person

We will ride the Santa Fe Free Shuttle located at the Santa Fe Visitor Center's Transfer Station. It runs every thirty minutes and is located approximately three blocks south of the La Fonda.

While at the Botanical Garden, The Museum Hill Cafe is quite good for lunch, and those not attending the Santa Fe School of Cooking Walking Tour in the afternoon can stay here, tour and enjoy the various impressive museums and

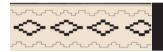


take one of the shuttles back to the Plaza.

Historic Downtown Walking Tour

2:00-5:00 p.m. \$40 per person

Experience the rich history, culture and buildings while walking through the downtown/plaza area of Santa Fe with a knowledgeable representative from the New Mexico History Museum.



SANTA FE ON YOUR OWN



O'Keeffe Museum

Open daily from 10:00 a.m.-5:00 p.m. Fridays open until 700 p.m. 217 Johnson Street, Santa Fe 505-946-1000 www.okeeffemuseum.org

New Mexico Museum of History

Located on the Historic Plaza in Santa Fe Next to the Palace of the Governors 113 Lincoln Avenue, Santa Fe 505-476-5200 or 505-476-5100 www.nmhistorymuseum.org

New Mexico Museum of Art

Open Tuesday-Sunday from 10:00 a.m.-5:00 p.m. Closed Mondays 107 West Palace Avenue, Santa Fe www.nmartmuseum.org

Museum Hill

710 Camino Lejo, Santa Fe

• Museum of Spanish Colonial Art

505-982-2226

www.spanishcolonial.org MOSCA on Facebook

The Museum of Spanish Colonial Art features objects from throughout the Spanish Colonial world, housed in a historical building designed by John Gaw Meem.

Museum of Indian Arts & Culture

505-476-1269

www.indianartsandculture.org MIAC on facebook

At the Museum of Indian Arts & Culture, encounter Native cultures and artifacts of the Southwest from ancestral to contemporary times in exhibitions from the collection of more than 70,000 works of art and material culture. Current exhibitions include I-Witness Culture: Frank Buffalo Hyde, Stepping Out: 10,000 Years of Walking the West, The Buchsbaum Gallery of Southwestern Pottery and Here, Now and Always.

• Museum of International Folk Art

505-476-1200

www.internationalfolkart.org MOIFA on Facebook

Experience the color and excitement of the world's cultures, and see an unparalleled collection of toys, textiles, miniatures and folk art from over 100 countries in Alexander Girard's exhibition *Multiple Visions: A Common Bond*. Changing exhibitions include *No Idle Hands: The Myths & Meanings of Tramp Art*.

• Wheelwright Museum of the American Indian

505-982-4636

www.wheelwright.org Wheelwright on Facebook

New Mexico's oldest private non-profit museum, the Wheelwright Museum of the American Indian, emphasizes important Native American art in an eight-sided building inspired by a traditional Navajo hooghan. Don't miss the Center for the Study of Southwestern lewelry.

• Santa Fe Botanical Garden On Museum Hill

505-471-9103

www.santa febotanical garden.org

SF Botanical Garden on Facebook

The Santa Fe Botanical Garden at Museum Hill, designed by landscape architect W. Gary Smith, will integrate the natural and the man-made, a location of natural beauty and environmental interest transformed by excellent garden design, horticultural practice and architecture. General Admission Adult: \$7.00, Senior 65+ & Active Military: \$6.00, Students with ID: \$5.00, and Children under 12: Free!

Getting to Museum Hill

Travel to Museum Hill has never been easier. Take the "M" line operated in collaboration with Santa Fe Trails, the city's bus line. Departures start at 7:15 a.m. from the Sheridan Street station and continue throughout the day through Santa Fe's beautiful neighborhoods.

Take the New Mexico Rail Runner http://www.nmrail-runner.com to Santa Fe, take the Santa Fe Pick-up to Museum Hill. Complete schedules, a map and fare information can be found online at http://santafetrails.santafenm.gov/.

Meow Wolf

1352 Rufina Circle, Santa Fe 505-395-6369

Meow Wolf's House of Eternal Return is a unique art attraction featuring a wild new form of non-linear story-telling which unfolds through exploration, discovery and 21st century interactivity. The premise: Something has happened inside a mysterious Victorian house that has dissolved the nature of time and space. Venture through the house of The Selig Family, and discover secret passageways into fantastic dimensions! Each visitor will be invited to choose their own path through the 20,000-square-foot exhibition, walking, climbing, and crawling through an imaginative multiverse of unexpected environments. The experience will be appropriate for

SANTA FE ON YOUR OWN (CONTINUED)

people of all ages, supplying children with a fantastic world to play within, and giving adults a sophisticated artistic experience with narrative depth.

Near Town Hiking/Walking

http://www.sfct.org/trails/dale-ball-trails

Easy to access off of Canyon Road or St. Johns College with great hikes and views of the city.

More Hiking (Alpine)

www.fs.usda.gov/santafe

A short 30-minute drive toward the Ski Basin (Hyde Park Road), offers numerous trails. Recommended ones are the Aspen Vista Trail or the Norski Trail. Easy to get to off the road, good parking, and easy/moderate walking with wonderful views.

Bicycle Rental (in town)

www.mellowvelo.com

Downtown shop — rental of town or mountain bikes.

Santa Fe Farmers Market

Open on Saturdays and Tuesdays from 7:00 a.m.-1:00 p.m. (Saturday is the best). Fantastic local produce.

• The Railyard Artisan Market is off the main market area and features local art and music. It is open on Sundays from 10:00 a.m.-4:00 p.m.

Out of Town Oportunities

• Santuario de Chimayo

Quaint northern New Mexico village with the historic and picturesque church listed as a National Historic Landmark. Legends of "healing dirt" which you can get in the chapel, and the site of the largest pilgrimage in North America.

There is a 10:30 a.m. Mass on Sunday. Anyone interested in attending, with lunch following at the historic Rancho de Chimayo Restaurant, can contact Carol Shiels at 214-549-1986. We will need a headcount to make lunch reservations.

• Abiquiu

Abiquiu is approximately a 45-minute drive from downtown Santa Fe. Beautiful Chama River valley and home of Georgia O'Keeffe. Visit nearby Ghost Ranch, Plaza Blanca or the Benedictine Abbey of Christ in the Desert.

Los Alamos

The museums are a great place to visit and go through the history of the development of the atomic bomb. A short drive (45 minutes).

• Bradbury Los Alamos Museum

http://www.lanl.gov/museum/

• Los Alamos History Museum

www.losalamoshistory.org

Bandelier National Monument

Fantastic preserved ruins carved into the cliffs above the Frijoles Creek.

www.nps.gov/band/index.htm

Valles Grande National Preserve

www.nps.gov/vall/index.htm

Beautiful preserve, vast scenic views, second largest elk herd in the state can usually by observed in the summer months.

Ten Thousand Waves

Various massage packages from \$120-300 Spa treatments from \$65-175

Black Mesa Golf Course

\$36-80 for 18 holes



If you're interested in playing golf, please contact Mike Austin at austinoil@aol.com and give him your name and contact information. He will arrange the tee times for all those who want to play.

Santa Fe Rafting Company

Chama River — all day: \$120 per person Rio — half day (easy): \$65 per person

High Desert Angler

Half and full day fishing on private waters. All gear supplied, full day provides lunch.

I-2 individuals: \$350 (full day)3 individuals \$450 (full day)



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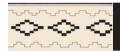
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Best wishes for a successful 55th Annual Meeting and Convention

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POST-CONVENTION FIELD TRIP



Thursday, June 14 — 8:00 a.m.-5:00 p.m.

Fee: \$200

The Geologic Story of the Jemez Mountains

Led by Kirt Kempter — New Mexico STATEMAP Program

Email: kempter@newmexico.com • http://newmexicooutdoor.com/Kirt Kempter.html



Drive through the Jemez Mountains

We think this topic will have wide appeal to both the technical audience and anyone interested in the geologic forces that shaped the landscape of northern New Mexico.

Dr. Kirt Kempter will discuss the volcanic history of the Jemez Mountains over the past 16 million years, culminating in major caldera-forming eruptions at 1.6 and 1.25 Ma (mega-annum or million years). During the physical growth of the mountain range, the focus and composition of magmatism varied, ranging from basaltic to high-silica rhyolite, with corresponding diverse eruption styles and deposits. The Bearhead volcanic phase, erupted mostly between 7 to 6 Ma. spanned a broad north-south axis with numer-

ous eruptive centers that produced explosive pyroclastic flows and high-silica lavas. Two of these eruptive centers produced the volcanic deposits at Kasha Katuwe Tent Rocks National Monument. The Tschicoma volcanic phase succeeded the Bearhead phase, forming all of the major peaks in the eastern Jemez Mountains, including Cerro Grande, Pajarito, Tschicoma, and Cerro Pelón. These mountains formed between 5 to 3 Ma and largely represent volcanic domes that erupted viscous, silica-rich lavas, with only minor explosive deposits. Prior to the caldera-forming eruptions in the central Jemez Mountains there were eruptions of basalt and rhyolite in the northern Jemez Mountains, along with the formation of the Cerros del Rio volcanic field southeast of the Jemez. After the formation of the Valles Caldera



Jemez Mountains

at 1.25 Ma and the emplacement of the Upper Bandelier Tuff, volcanism has been confined to the caldera, including the formation of numerous ring-fracture volcanoes. The last of these caldera-related eruptions occurred at the south end of Redondo Peak \sim 40,000 ybp and produced the El Cajete series of volcanic deposits, including the El Cajete tephra, the Battleship Rock tuff, and the Banco Bonito obsidian flow.



Kirt Kempter

Dr. Kirt Kempter is a Fulbright Fellow and Ph.D. graduate from the University of Texas at Austin, and he lives in Santa Fe. A volcanologist and field geologist, Kirt has conducted extensive field research on volcanic provinces in Costa Rica, Mexico, and New Mexico. Kirt has also worked with the NASA astronaut training program, providing field geologic training to astronaut candidates in New Mexico. Since 1993 Kirt has led numerous educational tours for Smithsonian journeys and National Geographic expeditions, from Antarctica to Iceland, acquiring a broad perspective on global geology that he conveys through teaching.

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



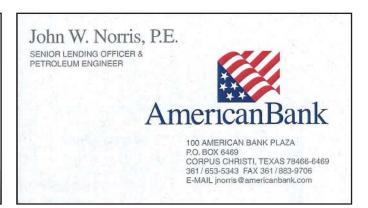
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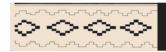
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RESTAURANT LIST



Not in order of preference. Comments from H. Jack Naumann, #2420, and local friend and foodie, J. Overton.

DOWNTOWN AREA

L'Olivier (The Olive Tree) 229 Galisteo St. 989-1919 This restaurant is billed as fine Southwestern-French cuisine. Chef Xavier Grenet trained at L'Ecole Francaise in Paris and in Lausanne, Switzerland.

Chez Mammou 217 East Palace

Open, light, small. Light bistro fare. Wonderful homemade breads and pastries. A great lunch spot!

Restaurant Martin 526 Galisteo St. 820-0919 (Just off S. Peralta down from the Capital.) You may want to drive.... Great food! Restaurant Martin is high-end noveau American with a twist. Reservations recommended for dinner.

Santa Fe Bite 311 Old Santa Fe Trail

(In Garrett's Desert Inn.) Formerly known as The Bobcat Bite, off the Old Las Vegas Hwy.One of the better green chile cheeseburgers around. But be warned...they are BIG! The 'Bite' should not be missed.

La Boca 72 W. Marcy St. 982-3433

Lunch and dinner daily. Brunch Saturday and Sunday. La Boca is a tapas restaurant with a concerted focus on Spanish cuisines. La Boca's wine list is informed and thoughtful, designed to pair with lunchtime sandwiches Reservations recommended.

Taberna La Boca 125 Lincoln Ave. #117 983-2425 This is the sister restaurant to La Boca. Laid back, casual. Good place for a glass of vino. Excellent tapas. Quick and easy to manage when downtown.

Café Pasqual's 121 Don Gaspar Ave. 983-9340 Cozy, organic and thoroughly local. It's a favorite haunt of nearly every Texan who comes to town. The food is eclectic with a Latin flair. Breakfast is a standout! Be prepared to stand in line and wait as this is a popular tourist destination.

Santacafé 231 Washington Ave. 984-1788 (About two blocks north of the plaza.) Fine American and Southwestern dining located in an old adobe that has a reputation for the possible glimpse of the famous and infamous. A trip to the restrooms and you will walk over the old original well. The food and atmosphere are both great.

Osteria D' Assisi 58 S. Federal Place 986-5858 (Across the street from Santa Café.) 100% authentic Italian cuisine. Nice atmosphere, excellent wine choices. Easy to get to and the food has always been fantastic.

Dinner for Two 106 N Guadalupe St. 820-2075 Fine dining in a cozy, welcoming atmosphere serving fresh local produce.

Plaza Café

54 Lincoln Ave. 982-1664 American and Northern New Mexican cuisine, milkshakes and pie. Great food offered in a "diner"



atmosphere. The Plaza has been here for as long as I can remember.

Il Piatto 95 W Marcy St. 984-1091 Fresh, local ingredients used in this Italian restaurant. Great for lunch or dinner. Wonderful wine selection.

The Shed 1131/2 E. Palace Ave. 982-9030 Delicious and cozy in a wonderful old adobe. Typical New Mexican offerings. Popular tourist destination so be prepared for a wait.

Vanessie 434 W San Francisco St. 982-9966 All the elements of a romantic meal. The renowned Doug Montgomery sets the mood at the piano bar. A wonderful talent in Santa Fe's only cabaret-like restaurant.

MIDTOWN

Sweetwater Harvest Kitchen 1512 Pacheco St.

795-7383

Zen-like atmosphere, industrial chic. Organic everything. Wine by the glass straight from the cask. Try the shrimp and grits.

Vinaigrette 709 Don Cubero Alley 820-9205 (Kind of mid-town, but closer to downtown and off of Cerrillos near Peralta. Tight parking!) Known for its salads and sandwiches. Delicious offferings typically sourced from their own produce. Casual and rustic décor. Great lunch spot. The back patio in the summer is delightful. Try my fave - Ruben and a cup of mushroom stew.

Chocolate Maven 821 W. San Mateo Rd. 984-1980 Located inside a warehouse on San Mateo Rd, it started out as a bakery and evolved into a casual dining place. Breads are great. Carrot cake and German chocolate cake are amazing. Lunch items include the BLT and ham and Brie sandwich

Mid Town Bistro 901 W. San Mateo 820-3121 A favorite local destination perched behind a rock garden, and not easy to see from the street, but worth the visit. The service and offerings are excellent. If available, try the fish and chips.

RESTAURANTS (CONTINUED)



This restaurant is a quaint, northern New Mexico spot in El Rito. It's off the main roads — but it has fantastic green chile enchiladas!

Jambo Café 2010 Cerrillos Rd. 473-1269

(Don't let the location in a shopping center turn you away! This is very good food - one of my favorites). African, Moroccan, Asian fusion food with unbelievable flavors. The Kenyan Kabobs or the Jerked Chicken Pita are fantastic! Save room for the homemade coconut—banana cream pie.

Maria's New Mexican Kitchen 555 W. Cordova Rd. 983-7929

There's a reason Margarita and Maria share a few letters. The endless margarita menu. Probably as close to Tex-Mex food as you can find in Santa Fe, and yes, great margaritas!

Clafoutis 333 W. Cordova Rd. 989-1809 Homemade French country-style offerings, along with on-site made breads and pastries — very good.

CANYON ROAD

Geronimo 724 Canyon Rd. 982-1500

Located in the "Barrego House" built in 1756, this is a favorite for fine dining. Their eclectic menu is unique and excellent. Voted one of the top 100 restaurants in the U.S. by Open Table. Dinner only — make reservations. Valet parking is available.

The Compound 653 Canyon Rd. 982-4353

History and elegance make for fine dining. Yet another fine dining destination located on Canyon Road. Wonderful atmosphere paired with excellent lunch and dinner offerings.

El Farol 808 Canyon Rd. 983-9912

El Farol has recently been renovated and is known for its offerings of Spanish Tapas and wines.

The Teahouse 821 Canyon Rd. 992-0972 There's tea galore, coffee and a full menu of food. Great for lunch or a pleasant mid-day glass of wine.

PERENNIAL LOCAL FAVORITES

Harry's Roadhouse 96 Old Las Vegas Hwy. 989-4629 Adults love it, kids love it. It's classic American goodness, after all it gives us an excuse to drive down Old Las Vegas.

Tune-Up Café 1115 Hickox St. 983-7060

Breakfast, lunch and dinner daily. A Salvadoran twist to the Latino offerings. For lunch, try one of their specials or order from the menu. Grab a table then go stand in line and order. Try the chicken enchiladas Suizas. (We go here way too much...)

La Choza 905 Alarid St. 982-0909

Margaritas and New Mexico cuisine as they were meant to be. Famous homemade red chile.

Counter Culture 930 Baca St. 995-1105

(Just off of Cerrillos.) Every culture needs a counter culture. The soup and sandwich for lunch is a fave. Try the turkey sandwich with a bowl of clam chowder. Cash ONLY, no credit cards.

Horseman's Haven 4354 Cerrillos Rd. 471-5420 A haven for lovers of affordable New Mexican cuisine. If you like chile, they supply it aplenty here and it is good, but HOT!

The Pantry Restaurant

1820 Cerrillos Rd.

986-0022

Real New Mexican food. Established in 1948, popular lunch destination with locals. Be prepared for a wait.



TESUQUE

A short 10-15 minute drive north from the Plaza down Bishops Lodge Road will take you through the beautiful Tesuque Valley.

Tesuque Village Market 138 Tesuque Village Rd.

988-8848

Located in the village of Tesuque. A unique local eatery for breakfast, lunch or dinner. Try the fish tacos.

El Nido 1577 Bishops Lodge Rd. 954-1272 Fantastic restaurant — primarily a dinner destination. Local produce served in Italian cuisine offerings. Reservations strongly suggested.

LAS CAMPANAS

Arroyo Vino 218 Camino La Tierra 983-2100
This Santa Fe New American bistro and wine shop offers elegantly plated dishes highlighting produce grown from a backyard garden, and hosts special multicourse dinners with wine pairings. You will have to drive. Give yourself 15 minutes from downtown and map it with your Google maps. Definitely get reservations. This may be my new favorite restaurant. Rated as one of the top 100 restaurants in U.S. by Open Table.

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4/9: Technical Program

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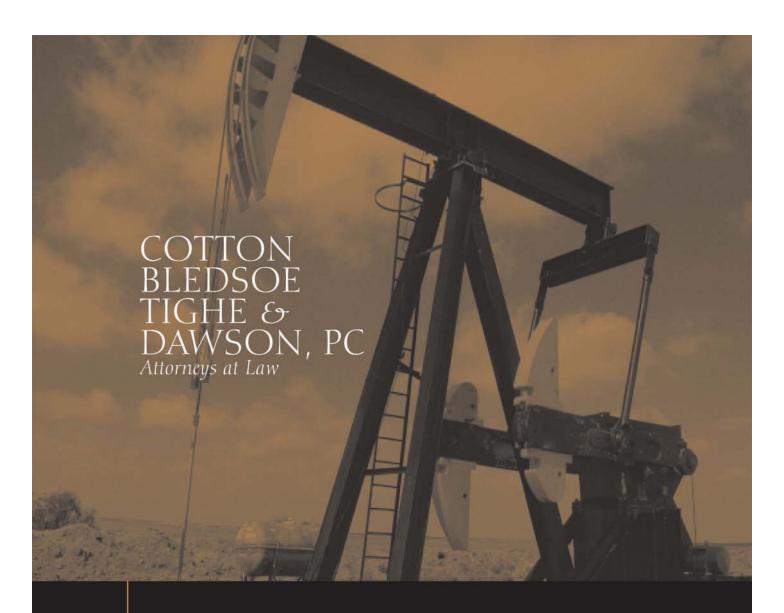
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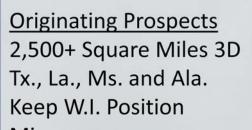
Texas - Pocket Slough PUD: Possible 750 MBO

Louisiana - Alligator Lake N & S: Possible 4 MMBO

Recent Success:

Krankenhaus Frio Prospect: Producing 3.9 MMCFG & 350 BOPD

Conglomerate Horizontal: IP 450 BOPD, Producing 300 BOPD



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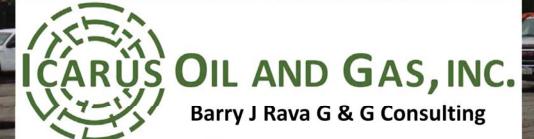
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