



# Pacific Petroleum Geology



NEWSLETTER

Pacific Section • American Association of Petroleum Geologists

March & April • 2009

## PACIFIC SECTION AAPG-SEPM-SEG 2009 ANNUAL CONVENTION MAY 2-6 VENTURA, CALIFORNIA



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**Remember to Vote**

**in the**

**AAPG Elections**



## MESSAGE FROM THE PRESIDENT DON CLARKE

The downturn in the economy and in oil prices has precipitated an odd reaction from industry. Though most oil companies posted record profits for 2008, the poor fourth quarter caused many companies to lay off people during the first quarter of 2009. Drilling has all but stopped. This seems like a short sighted knee-jerk reaction. The economy is weak and people are using less gasoline which resulted in gasoline stockpiles that are higher than normal thus the drop in oil prices. Maybe the two new super refineries in India and the new large petroleum storage tanks that Kinder-Morgan is building in southern California have something to do with this, maybe not. In either case, California and Alaska have plenty of oil in place and America is still going to consume large amounts of oil for decades to come. We need to work together to find and produce that oil. We will have to work with regulators, politicians, the populace and our own oil companies to do this. This slow period is the time for us to go over old oil field data and explore within the existing oil fields and build our lists of drilling candidates. When the price turns around we will be ready to drill.

In the last issue I told you of our plans to send a letter to the UC Regents. We did just that. A copy of the letter can be seen in this newsletter. I encourage you to follow suit and urge our State Senators and College Presidents to do the same. It is unthinkable that geology is not accepted as a laboratory science for admission to the University

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of California. With the geo-hazards, oil and other minerals and fossils California is the place to be. Future decisions on Climate Change require geological background for sound decisions. California with its claim of being liberal and progressive sits in the Paleozoic on this important issue. Please take action. Talking with your children, neighbors, school teachers, and politicians is a start. If you can, put it into writing like we did.

In May, Jim Hill and I are going to Washington DC for the Pacific Section AAPG and national AAPG. We will join about 15 other petroleum geologists from around the country. Three days will be spent meeting with Congressional staff and officials from the Department of Energy, Minerals Management Service and the United States Geological Survey. Our goal is to offer them our help with future energy issues. AAPG is probably the best place to go for factual data on petroleum geology and petroleum related environmental issues and it represents the largest group of professional energy geologists in the world. Because AAPG is international, valuable information from all over the world is readily available. We want them to know that. Please share with me any ideas that we need to bring to Washington.

You will soon be receiving ballot information for the new PSAAPG Officer Candidates. Please review the biographical information closely and select your next officers. If you have any questions, please contact me. This year we are also selecting a new representative for the AAPG Advisory Council. The Advisory Council is one of three functional bodies of the AAPG. The other two are the Executive Committee and the House of Delegates. The Advisory Council officially meets twice per year. At these meetings they select AAPG Awardees and Officer Candidates for submittal to the Executive Committee. Our current Advisory Council member, John Minch, has been very successful in bringing PSAAPG awardees and candidates forward. We have been well represented over the last three years. Our thanks go to John Minch for a fine job. This is a very important position and deserves your serious consideration.

AAPG is still in the process of reorganizing into a global corporate entity. Please watch this with interest it will have a big effect on our society. George Bole, Chairman of the House of Delegates, Scott Tinker, AAPG President and Rusty Riese, Vice President, Sections will be at the PSAAPG Annual meeting in Ventura. They are very informed about this issue. Please corner them and ask about it.

Finally, Tom Hopps has planned an exciting PSAAPG Annual meeting May 2-6, 2009 at the Marriot Hotel in Ventura. Make your reservations as soon as possible because we have only reserved a block of rooms in the Marriot. Tighter budgets will not be strained because the costs for the meeting will be very reasonable. I'll see you there!



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So little time, so much to choose from...



Boat Rides

Train Rides

Bike Rides



Oh yes, and then there is the conference.  
See you in Ventura!



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## ANOTHER GREAT MEETING COMING

### TO THE PACIFIC COAST

#### ATTENTION MANAGERS

**We are here to help!**

In these difficult times we are all faced with delivering more work from fewer resources. How can we help? In a word – effectiveness. Our theme, *New Insights in Historic Areas*, conveys an idea of getting more oil and gas from existing fields and basins but, as Wallace Pratt reminded us in 1952, that oil is first found in our minds. And the more ideas and information our mind is exposed to, the better it will be at recognizing new and innovative applications to existing puzzles – your puzzles. So send your people to the 2009 Pacific Section AAPG, SEPM & SEG Annual Meeting in Ventura, May 2-6. We will expose them to innovative thinking and show them a really good time, facilitating the application of new ideas with greater enthusiasm. Better yet, bring them. Network, stimulate your mind and enjoy the Pacific Coast at Ventura.

Preceding the meeting you may compare separate turbidite systems on two field trips; Cretaceous Turbidites in outcrop and Pliocene Turbidites in outcrop coupled with a Core Workshop. Or on Sunday, board the Condor Express with your family to view Offshore Oil Seeps and do some Whale Watching in Santa Barbara Channel. After the meeting take a hike with Fritsche and Reid to examine some Unique Sedimentary Environments.

From oil, gas and hydrogeology through climate change, stratigraphy and turbidite systems, Gene Fritsche has assembled robust oral and poster technical sessions capped with an invited session from the Texas Bureau of Economic Geology and a panel discussion on the California offshore. Technical sessions are surrounded by exhibits, affording easy access to both and a convenient place to visit between papers. On Wednesday, short courses will cover formation testing and geomechanics, and a panel will discuss the critical importance of geology education in grades K-12, also open to guests.

In addition to Pacific Section awards plus remarks from AAPG Candidates, the All Convention Luncheon will feature Dr. Steven Chazen, president and CEO of Occidental Petroleum, speaking on “Issues Facing Domestic Oil and Gas Producers”. On Tuesday, the DPA Luncheon will feature Mr. Kevin Rich, CEO of Deutsche Bank Commodity Services LLC, speaking on “Energy and Investment Access”. You will want to hear each of these very engaging speakers bringing us timely and pertinent information that may help us better understand and weather these challenging times.

Social activities take advantage of our coastal location with a bike ride to Ojai, a cooking class at the Ojai Culinary Institute, a barbecue at Ventura Yacht Club in the harbor and a coastal train trip for lunch and shopping in Santa Barbara. Ed Magdaleno, as always, will put out a great spread at the Ice Breaker on Sunday evening as he will for Exhibitor’s Happy Hours and on Tuesday evening, a Cinco de Mayo dinner following a tequila tasting event.

New this year will be a convention concierge, concurrently occurring Ventura Music Festival events including world renowned jazz trumpeter Chris Botti, and a wind-up breakfast buffet discounted to all and hosted for those spending Tuesday night at the Marriott. All this plus the price is right!

Access convention details at [www.psaapg.org](http://www.psaapg.org) and watch your mail for the convention announcement, coming soon.

Please join us in a really great place for a lot of fun and new information everywhere.



## PLIOCENE TURBIDITES OF VENTURA BASIN: CORE WORKSHOP AND FIELD TRIP

Take advantage of a unique opportunity to spend a day with the deep-water clastics of the Pico and Repetto Formations in the Ventura Basin. In the morning session, cores from 4 wells in the Ventura Avenue Field will be on display in the historic Shell Clubhouse. These rocks are major reservoirs in many of southern California's most prolific hydrocarbon systems. Observations and

discussions will highlight depositional aspects of these rocks, enabling us to compare reservoir properties of high and low concentration flows. After a BBQ lunch, we will take a short drive to San Miguelito Field, known for its spectacular coastal views and world-class outcrop analogs of the subsurface reservoirs. The outcrops contain excellent exposures of sedimentologic features including Bouma turbidite elements, graded beds, and amalgamated and truncated surfaces. Larger-scale exposures display vertical sequences, stacking patterns, and lateral geometries.

## CRETACEOUS AND EOCENE TURBIDITE SYSTEMS IN THE TRANSVERSE RANGES

Cretaceous and Eocene turbidite systems in the Transverse Ranges have been used as models for different types of deep-water fans over the past four decades. Cretaceous rocks at Wheeler Gorge are likely part of a levee-channel complex that includes 100 meters of gravel-rich turbidites that fit within levee-confined channels and 200 meters of very thin-bedded mudstone and siltstones that are likely part of a levee/overbank. In this interpretation, the depositional setting for these Cretaceous rocks is probably on the slope.



In contrast, Eocene turbidites within the Matilija Formation have been interpreted as part of a prograding, sandstone-rich, basin floor fan that has a lower lobe facies and an upper channelized facies. Alternative interpretations place these rocks in part of a prograding fluvial-dominated delta system. Stacked, thickening-upward, sandy turbidite (Tab) beds are abundant and form lenticular to tabular bedsets that total 400 m in thickness.

## UNIQUE TERTIARY SEDIMENTARY ENVIRONMENTS IN THE TRANSVERSE RANGES

This field trip is designed to show you something a little different in the realm of sedimentary rock environments. Along Sespe Creek in the Transverse Ranges, the lower Miocene Vaqueros Formation contains a thick sandstone unit that consists of thick sets of climbing, tabular and wedge-shaped cross beds that were deposited in a shallow, submarine dune field. Farther west, a sandstone tongue of the upper Eocene Cozy Dell Shale reveals five overlapping parasequence delta front lobes. Another sandstone lens in the Cozy Dell Shale contains very large-scale wavy bedding, convolute bedding, ripples and ripple bedding, and hummocky cross stratification attributed to sand deposition on the shelf during runoff following a storm surge. We will have a great time viewing and interpreting sedimentary structures.





# Seep Tour, Geology and Whale Watching

## Santa Barbara Channel - Coal Oil Point Area, California

The marine hydrocarbon seeps near Coal Oil point, Santa Barbara, California are the second largest in the world. The seeps are leaking around 100 - 200bop/d and about 5 mmcf/d, that is entering the water column and polluting the atmosphere. Historically, the native Chumash used tar from the seeps to waterproof baskets and bowls as well as to seal their ocean-going, plank canoes. The iridescent hue on the ocean was first described by westerners when Spanish explorer, Juan Rodriguez Cabrillo sailed into the area in 1542. More recently, tar washing up on the beaches in southern California, is mistakenly attributed to the oil industry and to the platforms that are visible from the shore. Since the blowout in 1969 that dumped an estimated 50,000 barrels into the ocean, the offshore production facilities in California have produced more than 1 billion barrels of oil with about 875 barrels spilled. That is less than the volume that seeps each week around Coal Oil Point.

Just a couple miles from the coast, the La Goleta seeps overlie the Monterey reservoir that makes up the South Ellwood field. Hydrocarbons filling this accumulation, estimated at 2.1 billion barrels, leak through faults and fractures in the 3,000' of overburden to escape from the sea floor. In fact, pressure monitoring indicates an almost direct connection between the reservoir and the ocean through these fault zones. We will begin the tour with a review of the geology of the seeps while in the Santa Barbara harbor, and then cruise along the near shore observing the exposed strata in the coastal bluffs. The Condor Express is a double-hulled, hydrofoil assisted whale watching boat with a top cruising speed of about 28 knots. Along the way we may see dolphin, migrating Gray whales and their calves, along with unique views of Hope Ranch, More Mesa and UCSB.



As we approach Coal Oil Point, we'll begin to see the various, charted seeps that are identified by the gaseous emissions and the sheen from associated liquids. You can visit [www.bubbleology.com](http://www.bubbleology.com) beforehand to see some of the on-going research. We will also make a close trip around Platform Holly, which was set in 1966 by Arco and where the Monterey was first 'discovered'.

We'll then have a couple hours for whale watching, which may include Gray whales that are migrating from the Sea of Cortez up to Alaska, Humpbacks that spend the summer months in the Santa Barbara Channel and, if we're lucky, the early arrival of the largest creature on earth, the Blue whale. Based on ocean conditions, we could cross the Channel in search of whales which would also afford us a look at the geology of the Channel Islands.

We will be back on the harbor by 12:30 pm for you to enjoy Santa Barbara, a world class destination with both great restaurants and shopping nearby.



**Panel Discussion:**

**The Importance of K-12 Geology Education  
to the  
Future of the Planet**



With the increasing importance of climate change, water conservation, increasing awareness of potential natural disasters, and the increasing environmental consciousness we are seeing, it is imperative that we train more earth scientists to be able to confront and address these problems. Current estimates show that the number of graduating geoscientists is falling not rising.

Currently, in the state of California, the earth sciences are being relegated to secondary status in the science curriculum. In many districts earth science is not taught as a college prep course. The PSAAPG is concerned about this trend and this panel is assembled to bring our views to the forefront and discuss alternatives with state educators. We hope to have representatives from the State Board of Education, Ventura County Office of Education, university professors, K-12 teachers, and professional geoscientists gathered to brainstorm ideas and approaches to solving this problem.

All interested earth scientists, teachers, and administrators are invited to attend and participate in this session. Pass this along to colleagues who are not PSAAPG members and urge them to attend.



**ENJOY VENTURA**

If you like Jazz, you may want to take in the Chris Botti concert at the Ventura college Green before the Pacific Section Convention Ice Breaker.

Jazz trumpeter Chris Botti started playing at the age of ten, and began performing professionally while still in high school. Af-

ter studying at the prestigious Indiana University music program, Botti relocated to New York, swiftly emerging as a highly regarded session player on recordings by Bob Dylan, Aretha Franklin, and Paul Simon. A featured soloist in Sting’s “Brand New Day” world tour, he has also recorded numerous top 40 hits.

Bring a picnic basket and a few friends and enjoy a rare outdoor jazz performance by jazz star Chris Botti on the College Green! The concert starts at 2 PM on Sunday, May 3, 2009. Tickets are \$45, \$30 or \$15.

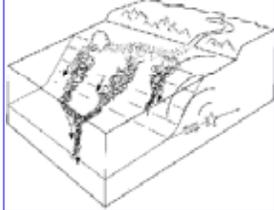
If you wish to include this event please contact Ann Bevens (Ventura Music Festival) at 805-648-3146 or awb@venturamusicfestival.org by April 27, 2009. Use group code Pacific Section A~AAPG. If we meet their minimum, the Music Festival will extend to us a 10% discount.



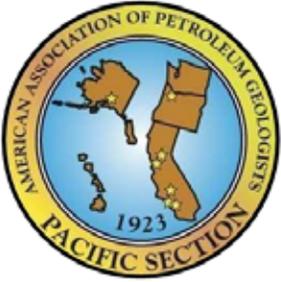
**2009 PSAAPG CONVENTION MONDAY PROGRAM SUMMARY**

<p><b>SALON I</b></p>	<p><b>SALON III</b></p>	<p><b>PUERTO ESCONDIDO</b></p>
<p>New Insights in Historic Oil and Gas Production Areas</p>  <p>J. Kuespert, M. Glascock, R. Urban &amp; S. Hector PSAAPG</p>	<p>New Insights into Recent and Past Global Climate Change</p>  <p>T. Hill PSSEPM</p>	<p>Structural Geology and Neotectonics</p>  <p>J. Kear, A Tabidian, &amp; M. Osborne CGS</p>
<p><b>ALL CONVENTION</b></p> <p><b>LUNCHEON</b></p> <p><b>“Issues Facing Domestic Oil and Gas Producers”</b></p>		 <p>Dr. Steven Chazen President and CEO of Occidental Petroleum</p>
<p><b>Energy Minerals of the Pacific Region</b></p>  <p>C. Jenkins &amp; J. Clough EMD AAPG</p>	<p><b>Sedimentology of the Pacific Region</b></p> <p>R. Ingersoll &amp; K. Marsaglia PSSEPM</p> <hr/> <p><b>Exploration Technology</b></p> <p>B. Pramik &amp; K. Baird PCS SEG</p>	<p><b>Posters on Education, Seismicity, Sedimentology, and Structural Geology</b></p>  <p>N. Onderdonk &amp; D. Yule CGS</p>

**2009 PSAAPG CONVENTION TUESDAY PROGRAM SUMMARY**

<p><b>SALON I</b></p>	<p><b>SALON III</b></p>	<p><b>PUERTO ESCONDIDO</b></p>
<p>Commemorating the 100th Anniversary of the Texas Bureau of Economic Geology</p>  <p>S. Dutton Texas BEG</p>	<p>Modern Sea Floor and Quaternary Turbidite Systems in Honor of Bill Normark</p>  <p>J. Covault &amp; A. Fildani PSSEPM</p>	<p>Posters on Microseismicity, Marine Geology, and Sedimentology</p>  <p>R. Gray &amp; J. Dependahl PSAAPG • PSSEPM</p>
<p><b>DPA</b></p> <p><b>LUNCHEON</b></p> <p><b>“ENERGY AND INVESTMENT ACCESS”</b></p>		 <p>KEVIN RICH • CEO DEUTSCHE BANK COMMODITY SERVICES LLC</p>
<p>Offshore Oil and Gas Development Potential and Economic Impact</p> <p>T. Budden PSAAPG</p> <hr/> <p>New Insights into Marine Geology and Oceanography</p> <p>M. Legg &amp; M. Kamerling PSAAPG &amp; CGS</p>	<p>Making the Link from Modern to Ancient Turbidite Systems in Honor of Bill Normark</p>  <p>W. Morris &amp; B. Romans PSSEPM</p>	<p>Posters on Education, Seismicity, Sedimentology, and Structural Geology</p>  <p>R. Gray &amp; J. Dependahl PSAAPG • PSSEPM</p>

**2009 PSAAPG CONVENTION WEDNESDAY PROGRAM SUMMARY**

<b>SALON IV</b>	<b>LAS BRISAS I</b>
Short Course  Formation Testing in the 21st Century  Tex Boratko Schlumberger	Panel Discussion:  The Importance of K-12 Geology Education to the Future of the Planet  R. Ballog & T. Atwater PSAAPG
No Formal Luncheon	
Short Course  An Introduction to Geomechanics and Acoustics  Dr. Peter Kaufman Schlumberger	

**Pre-Register and Save!**

The Ventura Beach Marriot Hotel provides the perfect site for the meeting, keeping technical sessions, exhibits and special events all under one roof. The goal of the convention committee is to optimize the time available to provide a maximum amount of information, education, and excitement.

Early Registration prices have been established to give you some of the best value in a technical conference in years. Save over \$50 when you register before April 10th, 2009. If you're an emeritus member (those over 65 plus 30 years of membership) you will be pleased to know your registration fees have been reduced.

	<b>Pre-registration</b>	<b>On-Site</b>
<b>Member *</b>	<b>\$185</b>	<b>\$235</b>
<b>Non-Member</b>	<b>\$235</b>	<b>\$285</b>
<b>Emeritus**</b>	<b>\$ 90</b>	<b>\$120</b>
<b>Student</b>	<b>\$ 40</b>	<b>\$ 40</b>
<b>Guest</b>	<b>\$ 40</b>	<b>\$ 40</b>

\* PSAAPG, PSSEPM, PCSEG, AAPG, AEG

\*\* 65 Years of Age plus 30 year membership in PSAAPG, PSSEPM, PCSEG, AAPG, or AEG

**PSAAPG • President**

Chair the Executive Committee  
Set society meetings and agendas  
Appoint chair and committee members  
Lead and keep agenda at meetings on track  
Provide gifts at end of year to ExCom members  
Prevent some people from killing others in meetings  
Signatory of letters from PSAAPG for events/activities  
Public voice of PSAAPG to field questions from public  
Maintain positive interaction among the local societies  
Write the President's column for Newsletter  
Nominate or notify ExCom of activities, awards, and honors that need candidate names  
Give keynote address and awards at convention  
Run the "President's" party at the end of the Convention  
Coordinate with National AAPG events and activities  
Attend bi-monthly AAPG President's teleconference call  
Write beginning of year "Business Plan" plan to National AAPG  
Write a end of year "State of Section" article to National for Publication

**PSAAPG • Elect-President**

Vote on Executive Committee  
Serve on Committees

**PSAAPG • Vice-President**

Stand in for President as needed  
Vote on Executive Committee  
Serve on Committees  
Perform ad hoc tasks assigned by the President and ExComm

**PSAAPG • Secretary**

Vote on Executive Committee  
Provide Election Results to AAPG  
Take and archive minutes of meetings  
Prepare and distribute agendas  
Maintain and distribute list of Action Items from ExComm meetings  
Order food for lunch meetings  
Bother the President for the agenda

**PSAAPG • Treasurer**

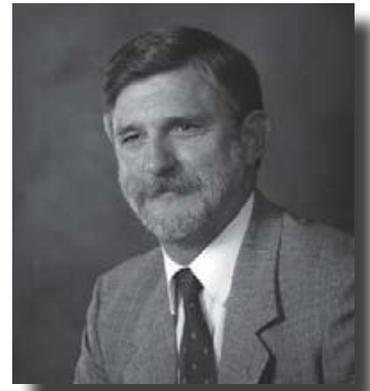
Vote on Executive Committee  
Keep the financial books in order  
Pay invoices, expenses, and cover debts of the society  
Prepare and report financial statements for ExComm meeting  
Interact with financial institutions  
Monitor and manage society's investment plan (ie CDs, etc)

**AAPG • Advisory Council**

The Advisory Council serves in an advisory capacity to the Executive Committee. They report on matters involving ethics and discipline, long-range planning, constitutional review, nominations for officers and honors and awards and other special projects as requested by the Executive Committee.

Members of this committee serve three years and include the immediate past-president and two former presidents, the immediate past chairman of the House of Delegates, elected members from the AAPG's U.S. Sections and International Regions, officers of each Division. For complete details about the Advisory Council you need to read AAPG's Constitution and Bylaws.

John Minch  
President- Elect Candidate



National AAPG service included:

AAPG Advisory Council [Pacific Section Representative]  
Chair-elect of AC Officer Nomination Committee  
Associate Editor E&P Bulletin  
Member of Ad Hoc Committee on Sections - 2004 to 2007  
Member of House of Delegates - 1995 to 1997  
General Chairman of the 1996 National Convention, San Diego, CA  
Annual participation in AAPG Leadership Conference

Pacific Section AAPG service included:

General Chairman of the 1984 Convention in San Diego, CA  
General Chairman of the 1974 Convention in San Diego, CA  
Honorary Life Member [35 years]

Coast Geological Society service included:

President, Secretary, Treasurer, various committee  
Honorary Life Member

Society Memberships

Geological Society of America [40 years]  
Society of Economic Paleontologists and Mineralogists [40 years]  
Sociedad Geologia Peninsular, Founding

Work History

Santa Barbara Museum of Natural History - 2003 to Present  
Dibblee Map Editor, working on Publishing of Dibblee Geologic maps  
Published 300 maps of 350 quadrangles in last three years.

John Minch & Associates, Inc. - 1974 to Present  
Principal of Environmental Services consulting company.  
Hundreds of environmental projects and reports

Saddleback College - 1972 to 1995  
Professor of Geology  
Various years as Department Head.

Education

Professional Geologist, State of California #3269  
PhD [1972] in geology and paleontology from the University of California, Riverside  
B.A. [1964] and a M.S. [1966] in geology from San Diego State University

## Cynthia Huggins President - Elect Candidate



### Pacific Section AAPG service includes:

- Vice President
- Secretary
- Treasurer-Current
- PSAAPG Convention Chair and Co-Chair
- PSAAPG IBA Committee -Current

### San Joaquin Geological Society service includes:

- President
- President-Elect
- Vice-President
- Secretary

### Society Memberships

- AAPG
- Pacific Section AAPG

### Work History

- Aera Energy - Present  
Geologist - Midway Sunset Fields, Bakersfield, CA
- Occidental/Vintage - 2007  
Geologist - Heavy Oil Group, North Antelope Hills/Mt. Poso Fields, Bakersfield, CA
- Occidental/Vanyoganeft/TNK-bp, Nizhnevartovsk - 2004 to 2007  
Geologist - Ay Yogan and Van Yogan Fields, Russia
- Occidental of Elk Hills - 2002 to 2004  
Geologist - Monterey Formation Porcelanite Reservoirs, Tupman, CA
- Getty/Texaco/Chevron - 1985 to 2002  
Geologist - Kern River Field, Bakersfield, CA
- Getty Oil - 1983 to 1985  
Intern- Coalinga and North Antelope Hills, Bakersfield, CA

### Education

BS Geology, California State University Bakersfield, 1985



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J Fred Bair  
Vice-President Candidate

Professional Memberships

Pacific Section AAPG  
Past President and Vice President of San Joaquin Valley Geologic Society  
AAPG 1984-present  
SEG 1976-1990

Work Experience

1990- Present	Chevron USA	Development geology Elk Hills Cymric, MWSS
1988-1990	Chevron Overseas Petroleum Inc	Exploration geophysics Argentina, West Africa
1985-1988	Chevron Corporation	Exploration geophysics Alaska Santa Barbara Channel
1976-1985	Gulf Oil Corporation	Exploration geophysics Alaska California, Gulf of Mexico

Education

1973-1976	San Diego State University	BS Geology- Geophysics Option
1971-1973	West Hills Junior College	AA Degree



**ERNIE BURROUGHS**  
President / Owner  
Registered Geologist #1628

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Tony Reid  
Vice-President Candidate



Society Service

PS AAPG Distinguished Service Award, 2005  
AAPG House of Delegates representative for the SJGS, 1990's  
President, San Joaquin Geological Society, 1998  
Announcement/Program Editor, PS AAPG 1997 meeting  
Short course co-instructor for PS AAPG meetings in 1993 and 1997  
Field trip coordinator, PS AAPG 1991 meeting  
Field trip co-leader for PS AAPG and SJGS trips in 1990, 1991, 1999, 2000  
Pacific Section SEPM Secretary, 1981

Society Memberships

AAPG and Pacific Section AAPG  
San Joaquin Geological Society

Work History

2008 - Present	Occidental and Vintage Production California	Exploration Geologist San Joaquin and Ventura basins
2005 - 2008	Occidental of Oman	Chief Geologist Muscat, Oman
2001 - 2005	Occidental Oil and Gas, Houston	Exploration Geologist Far East and Africa projects
1985 - 2001	Bechtel Petroleum Operations (later Occidental)	Development Geologist Elk Hills field
1978 - 1985	Getty Oil Company (later Texaco)	Development/Exploration Geologist San Joaquin and Salinas basins

Education, Certification and Registration

California Registered Geologist #3876  
Hydrogeology Certificate, California State University, Bakersfield, 1995  
MS Geology, California State University, Northridge, 1979  
BS Geology, California State University, Northridge, 1976



## Jeff Gartland Secretary Candidate

### Society Memberships

Pacific Section AAPG  
San Joaquin Geological Society  
Houston Geologic Society  
Society of Petroleum Engineers

### Work History

Vintage Production California, LLC  
Geologist, Ventura Basin  
Bakersfield, CA 2007 – Present

Occidental Oil and Gas Corp  
Exploration Manager South America  
Geologist Middle East technical team  
Houston, TX 2000 – 2007

Mitchell Energy and Development Corp  
Geologist/Exploration Manager, Gulf Coast  
The Woodlands, TX 1982 – 2000

Chevron  
Geologist, S. Texas onshore and offshore Louisiana  
New Orleans and Lafayette, LA 1979 – 1982

### Education

MS Geology, University of Florida, 1979  
BS Geology, Michigan State University, 1974



## Christer B. Peltonen, Ph.D. Secretary Candidate

### Society Memberships

AAPG  
Pacific Section AAPG  
Coast Geological Society  
European Association of Geoscientists and Engineers

### Work History

Venoco Inc  
Development Geologist  
Carpinteria, CA 2008 – Present

University of Oslo  
Research Fellow (StatoilHydro and ConocoPhillips)  
Norway 2004 – 2007

Horizon Well Logging  
Mudlogger  
Lompoc, CA 1997 – 2002

SECOR International Inc  
Geological Technician  
Thousand Oaks, CA 1996 – 1997

### Education

PhD Petroleum Geology, University of Oslo, Norway, 2006  
MS Geology, University of Oslo, Norway, 2004  
BA Geology, California Lutheran University, 1996

## Cheryl R. Blume Treasurer Candidate

### Society Memberships

AAPG  
Pacific Section AAPG  
San Joaquin Well Logging Society  
San Joaquin Geological Society

### Society Service

Treasurer, San Joaquin Well Logging Society 1998-1999  
Secretary, San Joaquin Well Logging Society 2007-2008  
Vice-President, San Joaquin Well Logging Society 2008-2009  
Pacific Section AAPG, CA Technical Session Co-chair, 2004

### Work History

Schlumberger - 1995 to Present  
Geoscientist Borehole Image Interpreter, Bakersfield, CA

Intera Technologies - 1993 to 1995  
GeoScientist: DOE Equity Redetermination of Elk Hills,  
Bakersfield, CA

Bechtel Petroleum Operations at Elk Hills - 1986 to 1993  
Programmer Analyst: Development and support for geological and engineering applications

### Education

1986 BS Geology, California State University Bakersfield  
1989 Certificate in Hydrogeology, California State University  
at Bakersfield

California Registered Geologist #7609



## Stefano Mazzone Treasurer Candidate

### Professional Societies

AAPG  
Pacific Section AAPG  
AWG (LoneStar Chapter Vice President 2003-2005)  
Society of Petroleum Engineers  
San Joaquin Well Logging Society

### Work History

Oxy of Elk Hills - 2008 to Present  
Geologist: Antelope Shale development team, Tupman, CA

Occidental Oil & Gas - 2006 to 2008  
Geologist: E&P projects in Yemen, Abu Dhabi and Qatar,  
Houston, TX

ExxonMobil - 2002 to 2006  
Geoscientist: Santa Barbara channel, Gulf of Mexico, Angola,  
Nigeria and Cameroon

### Education

BS, Earth Sciences, University of California Santa Cruz, 2000  
MS, Earth Sciences, University of California Santa Cruz, 2002

**Kurt Neher**  
**AAPG Advisory Council Candidate**

**Society Service**

San Joaquin Geological Society, President, 2008 - 2009

**Professional Affiliations**

American Association of Petroleum Geologists  
Geological Society of America  
Society of Exploration Geophysicists  
Society for Sedimentary Geology (SEPM)  
Pacific Section AAPG  
San Joaquin Geological Society

**Work History**

Occidental Oil & Gas Corp.  
Geoscience Director, California - 2008 to Present

Occidental of Elk Hills, Inc.  
Geoscience Manager, California - 2006 to 2008

Occidental Exploration & Production Co. - 2004 to 2006  
Vice President Exploration, Ecuador - 2004 to 2006

Occidental Oil & Gas Corp.  
Chief Geologist, Worldwide Exploration - 2003 to 2004  
International Exploration Manager - 2000 to 2003  
California Exploration Manager - 1999 to 2000  
New Ventures Geologist, Southeast Asia - 1994 to 1999

Shell Offshore Inc.  
Area Exploration Manager, Deepwater Division - 1993 to 1994  
Exploration Geologist, Deepwater Division - 1990 to 1993

Shell Pecten International Co.  
Exploration Geologist, Subandean New Ventures - 1986 to 1990

**Education**

BA Geology, Carleton College, 1983  
MS Geology, University of South Carolina, 1986

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Consultant  
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**DAVID B. DEL MAR**  
Consulting Registered Geologist  
California Registered Geologist #634

Development - Thermal EOR - Property Reviews

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Los Angeles, CA 90026  
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dbdelmar@earthlink.net

**Karen E. Blake**  
**AAPG Advisory Council Candidate**

**National AAPG**

Sections 07/2008 06/2011  
 Public Outreach 07/2007 06/2010  
 Geophysical Integration 07/2005 06/2008  
 HoD Committee 07/2005 06/2006 Rules & Procedures  
 HoD Committee 07/2004 06/2005 Nom. & Election  
 HoD Delegate 07/2003 06/2006

**Pacific Section AAPG**

Executive Board Member – Editor-in-Chief, 2008-2010  
 Executive Board Member – Vice President, 2007-2008  
 Executive Board Member – Editor-in-Chief, 2006-2007  
 Executive Board Member – Newsletter Editor, 2005-2006  
 Executive Board Member – Secretary, 2004-2005

**Other Professional Societies**

Society of Petroleum Engineers - Member, 2004 - 2008  
 Orange County Engineering Council - Vice President of Engineering, 2004-2005  
 Orange County Engineering Council - Vice President of Corporate Sponsors, 2002-2004  
 Institute for the Advancement of Engineering – Fellow, 2003

State of Texas, Professional Geoscientist License Number 5936

**Work Experience**

Paul Graham Drilling - May 2008 to Current  
 Geologist, Rio Vista  
 Plains Exploration & Production Company - May 2003 to May 2008  
 Geologist, Bakersfield  
 Geotechnician, Los Angeles  
 Paulsson/Geophysical Services Incorporated - March 2002 to April 2003  
 Geologist, Los Angeles  
 Berry Petroleum Company - August 2000 to February 2002  
 Geotechnician, Taft  
 Occidental Oil & Gas Corporation - June 1997 to August 2000  
 Geotechnician, Bakersfield/Houston

**EDUCATION**

M.S. Candidate, Geology, California State University Bakersfield  
 B.S. Geology, Sam Houston State University, Huntsville, Texas, 1993  
 A.A. Computer & Information Science, North Harris County College, Houston, Texas, 1990.

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## American Association of Petroleum Geologists

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*Secretary*

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*Past President*

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*Newsletter Editor*

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*Publications Chair*

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[larryknauer@chevron.com](mailto:larryknauer@chevron.com)

*Membership Secretary*

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9600 Ming Ave, Suite 300  
Bakersfield, CA 93311  
Office (661) 869-8035  
[mark\\_varlot@oxy.com](mailto:mark_varlot@oxy.com)

January 31, 2009

Richard C. Blum  
Chairman, The Regents of the University of California  
Office of the Secretary and Chief of Staff  
1111 Franklin Street, 12th floor  
Oakland, CA 94607

Dear Mr. Blum:

I urge you and your fellow University of California Regents to accept a high school Geology class as a basic laboratory science requirement for admission to the University of California. The need for this is now! Today global energy demand is rapidly increasing, the availability of fossil fuel is on the wane and changes in the global climate leave us with an uncertain future. Important decisions will be made in the near future that will address these issues. These decisions need to be educated decisions.

Geology is not typically taught at the high school level in California, a fact that is almost unthinkable considering the state of the world, California's geological hazards and mineral wealth. Our society is tied to mineral wealth and the ability to exploit it and so is our future. The fundamental sciences of Physics, Chemistry and Biology do not leave the student with enough background to understand these issues. Geology is needed. The class will impart an awareness of the Earth as well as a feel for change over time.

The general public has always been fond of geology, be it an interest in dinosaurs, the study of volcanoes or simply an interest in gemstones. We Californians live in "Earthquake Country", this is the "Golden State" and nowhere is there a better Pleistocene assemblage of fossils than the La Brea Tar Pits.

Geologists are the scientists who find the earth's resources. It is the geologist who works to understand the earth's history and trace changes over time in climate and evolution. They study the hazards that threaten the public: earthquakes, volcanoes and land slide susceptibility. With this necessary background, future generations will be able to make sound decisions to guide our society into a more secure future.

The best way to do this is to have the University of California accept a geology class to fulfill the University of California Lab Science requirement for students seeking admission. California high schools will respond by providing these classes.

Finally, I would like to point out that the American Universities are not turning out enough geology majors to fill industry needs. It is sad that California with a history of being progressive is so slow to move forward on such an important issue that impacts our entire society. I urge you to accept a geology class as fulfillment of the laboratory science requirement for admissions to the University of California!

Sincerely,

Donald Clarke  
President, Pacific Section American Association of Petroleum Geologists

[WWW.PSAAPG.ORG](http://WWW.PSAAPG.ORG)



## Russell Ray Simonson

September 12, 1912 - February 27, 2009

Russell Ray Simonson was born on September 12, 1912, in Wetaskin, Alberta, Canada of parents James and (Iva)dell. Grandfather Simonsen came to the United States after the Prussian War of 1870. Soon after arriving he changed the spelling of his name to Simonson to Americanize it. His old home ranch in Canada was almost on top of a well-known and prolific oil field called Pegeon Lake...rather interesting in that he has been involved in the oil buisness since 1936...some 73 years to date.

When he was two years old, Russ's parents moved to southeastern Montana where he spent his early childhood. During five of these years he lived on an Crow Indian Reservation. Then in 1923, the family moved to California and settled in the San Fernando Valley. While attending Canoga Park High School he met Gladys Estelle Convirs. They were married in 1935, spent 62 wonderful years together and had two daughters, Caryn and Merle. The maternal side of the family were of English, Irish and Dutch extraction and had come to America before the Civil War.

Russ attended U.C.L.A. and graduated in 1934. Two years later he earned his Master's Degree in Geology and was a member of Phi Beta Kappa. He played the clarinet in the Bruin Band and became a member of Sigma Gamma Epsilon and Sigma Xi.

Russ's first job after college was the Pacific Coast Alkali Company for four months. He mapped an area near Death Valley in search of borax deposits. He was employed from 1936 thru 1941 as a field geologist, stratigrapher and micropaleontologist for the Union Oil Company and worked in the San Joaquin and Sacramento Valleys. His work as a micropaleontologist earned him recognition and a "pioneer bug man" of California in a report presented by Bob Kleinpell at a Pacific Section SEPM symposium in 1972. The North American Consolidated Company based in Taft, hired him for six months as a gologist/engineer at the end of 1941. From 1942 until 1965, he was a geologist for the Ohio Oil Company. Rather than accept a promotion that required moving to Ohio, Russ decided to work on his own as a consulting geologist and stay in Glendale, California. 1605 Glorietta was a well-known address for some 58 years.

Foreign and domestic clients allowed extensive travel oppourtunies. He developed production for domestic clients in California's Central Valley, Louisiana and Alaska. In 1979 and 1981, he worked as a consultant for Tetra Tech Inc. and co-authored a private report on the North Slope's National Petroleum Reserve in Alaska on seismic and geologic interpretations for 16 oil companies and a government agency. He has been an independent operator since 1976 and has production interest in a number of wells in California and Texas. Along the way, he has authored numerous papers and also served as president of the Pacific Section of the American Associatin of Petroleum Geologist.

Assignments with the Ohio Oil Company included work as a district geologist, division geogsit and exploration manager, the latter during a period when the company drilled what was then the world's deepest oil well in the Paloma field some 14 miles southwest of Bakersfield. While with the Ohio Oil Co., formerly known as Marathon Oil, Russ had a part in finding production in the South Mountain, West Montalvo and Belgian Anticline oil fields, as well as the Beehive Bend Gas field in California. In Alaska, the Kenai, Sterling, Beaver Creek, West Fork and North Fork gas fields and the McArthur River, Trading Bay and Swanson River oil fields were developed on land acquired or work done under his supervision. The Kenai gas field is a major reserve with more than 2 trillion cubic feet. The McArthur River, Trading Bay and Swanson River oil fields are classified as "giants", i.e. more than 100 million barrels, with a combined ultimate recovery of about 1 billion barrels of oil.

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Houston, Texas USA

TICORA Geosciences  
Denver, Colorado USA

Baseline Resolution, Inc.  
Houston, Texas USA

Hycal Energy Research Laboratories  
Calgary, Alberta, Canada

## DIBBLE CENTER NEEDS DONATIONS

The Dibblee Geological Center of the Santa Barbara Museum of Natural History is in the final stage of bringing to publication, as 416 maps, the nearly 550 geologic quadrangles that Tom Dibblee mapped. The final few maps are nearly complete and will be released by early April 2009.

The AAPG will be featuring Tom's maps in digital format in the Datapages section on their web site for downloading as layered PDF files by end users. This event will make the Dibblee Geologic Map Collection available to end users on a global level. Paper maps will still be available.

In order to make all of Tom's maps available in digital format we need to complete an additional task. The original 76 maps of the Dibblee Collection were prepared by hand and only 15 exist in digital format. These maps need to be digitized using our Adobe Illustrator digitizing program before they can be placed on the Datapages with the rest of his maps.

The Dibblee Geology Center does not have the funds available to accomplish our goal to generate the web based maps. In order to accomplish our goal we are going to need funding. We are currently on a fund raising campaign to obtain these funds. I am asking for you to consider helping us to obtain funding for all or part of our mission.

Specifically, through a variety of venues we need to raise approximately \$250,000 to complete the digitizing of the remaining maps.

The AAPG Foundation has the E.F. Reid Dibblee Fund, created by Bud Reid, to support the work of the Thomas W. Dibblee Jr. Center for Geology of the Santa Barbara Museum of Natural History. Contributions can be made through this fund or directly to the Dibblee Map Digitizing Fund, Dibblee Geological Center, Santa Barbara Museum of Natural History.

John Minch, Editor, Thomas Dibblee Jr. Geological Center  
Santa Barbara Museum of Natural History, 2559 Puesta del Sol, Santa Barbara, CA 93105  
<jmainc@earthlink.net>

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## Alaska Geological Society

www.alaskageology.org

P. O. Box 101288  
Anchorage, AK 99510

Contact: Jim Clough  
907.451.5030



Luncheon meetings are held monthly September through May, usually on the third Thursday of the month, at the BP Energy Center (1014 Energy Court) from 11:30 a.m. to 1:00 p.m. The hot lunch cost is \$20 for members with reservations; \$22 for non-members with reservations; and \$25 without reservations. The box lunch cost is \$13 for members with reservations; \$15 for non-members with reservations; and \$18 without reservations. For reservations, call the AGS reservation voice mail at 907-258-9059 or contact David Hite at hiteconsult@acsalaska.net by noon on Monday before the meeting.

President:	Jim Clough	907.451.5030	Jim.clough at alaska.gov	DNR/DOG
President-Elect:	Tom Homza	907.770.3701	Shell Oil	
Vice-President:	Tom Morahan	907.230.1672	PRA	
Secretary:	Ken Helmold	907.269.8673	Ken.helmold at alaska.gov	DNR/DOG
Treasurer:	David Shafer	907.263.7864	Chevron	
Past-President:	Art Banet	907.334.8241	Arthur.banet at mms.gov	BLM

## Coast Geological Society

www.coastgeologicalsociety.org

P. O. Box 3055  
Ventura, CA 93006

Contact: Bob Ballog  
805.498.6294



Dinner meetings are held monthly September through June, usually on the third Tuesday of the month, at Biedermann Hall at Sacred Heart Church - 10800 Henderson Road in Ventura. Social hour starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The cost of dinner is \$18 (with reservations), \$25 (without reservations), or \$10 (students and K-12 teachers); the talk is free. For reservations, please email Christine White at cwhite@dcorllc.com or make reservations online at www.coastgeologicalsociety.org. Reservations should be made by 4:00 p.m. on Friday before the meeting.

President:	David Panaro	805.654.2327	president@coastgeologicalsociety.org
Past President:	Bob Ballog	805.498.6294	pastpresident@coastgeologicalsociety.org
Vice President:	Mike Nelson	805.201.2088	vicepresident@coastgeologicalsociety.org
Secretary:	Stephanie Lapeyre-Montrose	805.292.8035	secretary@coastgeologicalsociety.org
Treasurer:	Leni Field	805.497.0569	treasurer@coastgeologicalsociety.org

## Los Angeles Basin Geological Society

www.labgs.org

515 So. Flower Street, Ste 4800  
Los Angeles, CA 90071

Contact: Jon Kuespert  
213.225.5900 x224



Luncheon meetings are held monthly September and October; and January through June, usually on the fourth Thursday of the month, in the Monarch Room at The Grand at Willow Street Conference Centre (4101 E. Willow Street) in Long Beach. Lunch is served at 11:30 a.m., and the talk starts at 12:15 p.m. The cost is \$20 (with reservations), \$25 (without reservations), or \$0 (students are covered by Halliburton and Schlumberger). Reservations can be made online at www.labgs.org or by contacting Marieke Gaudet at 562.624.3364 or marieke\_gaudet@oxy.com. Reservations must be made prior to Tuesday before the meeting.

President:	Jon Kuespert	213.225.5900 x224	jkuespert@breitburn.com
Program Chair:	Bill Long	213.225.5900 x205	william.long@breitburn.com
Treasurer:	Jean Kulla	949.500.3095	k2mobile@MSN.com
Secretary/webmaster:	Marieke Gaudet	562.624.3364	Marieke_Gaudet@oxy.com

## Northern California Geological Society

www.ncgeolsoc.org

9 Bramblewood Court  
Danville, CA 94506-1130

Contact: Barb Matz  
Barbara.Matz@shawgrp.com



Evening meetings are held monthly September through May, usually on the last Wednesday of the month, at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). For reservations, leave your name and phone number at (925) 424-3669, or at danday94@pacbell.net before the meeting. Cost is \$5 per regular member; \$1 per student member; and \$1 per K-12 teachers (new!).

**Northwest Energy Association**  
 dlgellar@msn.com

P. O. Box 6679  
 Portland, OR 97228-6679

Contact: James Jackson  
 503-771-3887



Luncheon meetings are held monthly September through May, usually on the second Friday of the month, at the Multnomah Athletic Club (1849 SW. Salmon Street) in Portland. Meeting time is at 7:30 - 9:00 am. The cost is \$15. For information or reservations, contact Shelley Thomas at 503-848-2947 or Treck Cardwell at 503-226-4211 ext. 4681.

**Sacramento Petroleum Association**

P. O. Box 571  
 Sacramento, CA 95812-0571

Contact: Rick Blake  
 925.422.9910



Luncheon meetings are held monthly January through November, on the third Wednesday of the month. Location to be announced. The meetings starts at noon. The cost is \$20. For information or reservations, contact Pam Ceccarelli at 916-322-1110 or pceccare@consrv.ca.gov.

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Treasurer	Pam Ceccarelli	Pam.Ceccarelli@conservation.ca.gov
Editor	Pam Ceccarelli	Pam.Ceccarelli@conservation.ca.gov

**San Joaquin Geological Society**  
 www.sjgs.com

P. O. Box 1056  
 Bakersfield, CA 93302

Contact: Kurt Neher  
 kurt\_neher@oxy.com



We have dinner meetings on the second Tuesday of the month at the American Legion Hall at 2020 "H Street" in Bakersfield. There is an icebreaker at 6:00 pm, dinner at 7:00 pm, and a talk at 8:00 pm. Dinner is \$20.00 for members with reservations and \$25.00 for nonmembers, \$25.00 for members without reservations and \$30.00 for nonmembers without, and the talks are free.

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Vice-President:	Jack Grippi	JGrippi@aeraenergy.com
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**May • June Issue**

**April 20th**

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# Stanford Petroleum Investments Funds



*Photo courtesy of Andreas Mulch*

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“Today’s computational capacity and the availability of large volumes of data from ground-based observations and satellites offer new opportunities for understanding how the Earth system works and how human activities interact with Earth processes. The Sanford Center for Computational Earth and Environmental Science will enable the development of sophisticated models to address questions about energy and freshwater resources, natural hazards, climate change, and other global issues.”

**Jerry M. Harris**, Director, Center for Computational Earth and Environmental Science, Professor and Former Chair, Department of Geophysics, Stanford University; Director, Stanford Wave Physics Laboratory; Past Distinguished Lecturer, Society of Exploration Geophysicists, American Association of Petroleum Geologists, and Society of Petroleum Engineers.

The alumni-managed Stanford Petroleum Investments Funds own, manage, and acquire producing oil and gas royalties and other energy investments. Income from these investments provides essential discretionary funding in support of energy and environmental education and research and other programs of the Stanford School of Earth Sciences. The Petroleum Investments Funds provided seed funding to help launch the Stanford Center for Computational Earth and Environmental Science.

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