

NEWSLETTER

Serving the Petroleum and Geothermal Community

Nevada Petroleum and Geothermal Society; P. O. Box 11526; Reno, NV 89510

Visit our NPS Homepage: <http://www.nbmgs.unr.edu/nps/>

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RMS-AAPG Representative

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Reno, NV 89509
775-348-0650
jerry_reno@charter.net

Dinner Meeting: Thursday, Jan 3, 2013

Speaker: Scott Hector
Geologist/Partner, Hobby Energy
Rio Vista, CA

Topic: Monterey Shale Play: Update

Place: Ramada Reno Hotel
1000 East 6th Street, Reno, Nevada

Cocktail Reception 6:30; Skyline Bar, 14th Floor

Hosted by:



Dinner Served at 7:00 PM

Dinner Costs:

NPGS Members \$ 20; Non-Members \$23; Students \$10

Menu:

Buffet style; including chicken & beef entrees, side dishes and salad.

****RSVP to Judy Kareck (775) 827-6111 or**

jkareck@lumosengineering.com

**SEE CALENDAR Pages 19-20 for
upcoming meetings**

► **Abstract – NPGS Monthly Dinner Meeting – Jan 3, 2013**

Monterey Shale Play: Update
Scott Hector, Hobby Energy

MONTEREY SHALE UPDATE

The American Oil and Gas industry has become excited about the tremendous potential for oil and gas reserves by fracking previously non-productive shale rocks. The Energy Information Agency recently published a report that stated that the most reserves of any “Shale Resource Play” in the United States are in the Monterey Shale play in California. The agency stated that it had estimated reserves of over 15 billion barrels for this play. This is three times as much oil as the EIA credits for the Bakken Shale play in North Dakota! This presentation takes a look at the reserve estimates for the Monterey, and discusses the recent activity in various California basins. This talk discusses the good, the bad, and the ugly results so far for this highly touted resource play. Mr. Hector has and is exploring for oil in the reservoir, and has the experience of more than 40 fracs in the Monterey over the last 15 years.

► **About the Speaker – Scott T. Hector**

from www.hobbyenergy.net

“Scott T. Hector, partner and senior geologist, specializes in structural geology, stratigraphy and biostratigraphy as related to finding oil and gas fields. Scott’s primary experience in exploring for and developing natural gas plays is the Sacramento, San Joaquin and La Honda basins of onshore California and offshore Santa Barbara Channel and Ventura Basin.

Scott has experienced success exploring for oil in the Paradox Basin of Utah and Colorado. He has analyzed basins in Guatemala, Belize and Bangladesh. He has been involved in the drilling of geothermal wells at the Geysers and in the evaluation of multiple geothermal properties in the western United States.”

► **Cocktail Reception 6:30 Hosted by Barbour Well:**



Barbour Well, Inc. would like to extend regards and appreciation for all of the attendees at the March NPS meeting who, like ourselves, are committed to the advancement of oil and geothermal energy production throughout Nevada. Please enjoy a complimentary cocktail on us as you receive a ticket when paying for your event. It is our hope to provide you with excellence in oil and geothermal drilling services.

Steve Zarcone Business Development

Barbour Well Inc., 260 Sunpac Ave. Suite A, Henderson, NV 89011

Direct: 805-207-6407, Cell: 661-755-7687, www.barbourwell.com

► **Welcome!! New NPGS Members:**

We take this opportunity to welcome our new members!

We appreciate your support and trust you will find NPGS membership to be beneficial.

Biffle, Jim	Welsco Corp.	Fallon, NV
Biffle, Shami	Welsco Corp.	Fallon, NV
Bowman, Jon	Noble Energy, Inc.	Denver, CO
Morrison, Monte	Alterra Power Corp.	Fallon, NV
Osborn, William	Geothermal Resource Group, Inc.	Palm Desert, CA
Ponder, Steve	Geothermal Resources Council	Davis, CA
Schwarz, Jeff	Noble Energy, Inc.	Denver, CO
Sophy, Matthew	New Mexico Tech/Ormat Nevada	Reno, NV
Taylor, David	Noble Energy, Inc.	Denver, CO
Webster, Judy	Noble Energy, Inc.	Denver, CO
Zehner, Richard	Geothermal Development Associates	Reno, NV

► **NPGS Research Awards in Geosciences – 2013 Application Information Upcoming:**

The NPGS awards grants for geoscience research to graduate students each year. Usually, three to five grants up to \$1000 each may be awarded. The awards from 2012 are listed below. The amounts and number of awards will depend on proposal quality, number of proposals, proposal budgets, and applicant need. Awards will be available to support research beginning in the summer of the current year. Applicants must be graduate students in good standing. Successful applicants will be expected to present their results to the Society upon degree completion.

GUIDELINES: Research topics should be related directly to geology of the Great Basin and of general interest to those interested in bedrock geology problems.

Students working on litho-stratigraphy, biostratigraphy, structure, geothermal systems, geophysical exploration, geochemistry of sedimentary rocks, and tectonic history are especially encouraged to apply.

Applications must include a 2-page (maximum) research proposal (include results to date, bibliography, and budget), a short (one page) vita that includes academic progress so far, and a letter of recommendation from your academic advisor (sealed if mailed or emailed direct from advisor).

COMING SOON: Information regarding when and where to send your applications.

► **AAPG Delegate Election – Andrew Hanson AAPG Delegate, July 2012 – June 2015**

Results of the Election for Delegate and Alternate conducted by AAPG Headquarters

NEVADA PETROLEUM & GEOTHERMAL SOCIETY

Term: July 1, 2012 – June 30, 2015

Statistics: 38 Electronic Ballots Mailed 9 Paper Ballots
9 Voted Electronically 2 Voted by Paper Ballot

DELEGATE Andrew D. Hanson
ALTERNATE William J. (Bill) Ehni

▶ **Next Scheduled BLM Geothermal Lease Sale – January 29, 2013:**

7 parcels will be offered in various counties. See the listing @
http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/ggeothermal_leasing.html

▶ **Next Scheduled Oil & Gas Lease Sale – Mar 12, 2013:**

**36 parcels will be offered in Elko and Eureka Counties, Nevada.
5 of the parcels have pre-sale offers.**

The notice and list of parcels is available for this sale.

http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html

▶ **Results of Dec 11, 2012 Oil & Gas Lease Sale:**

49 parcels were offered in Churchill County, Nevada.

No parcels received bids – ZERO bids.

See the results of this sale @

http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html

▶ **UNR College of Science – Discover Science Lecture Series:**

Information: 775-784-4591; science@unr.edu

Feb 7, 2013

Dr. Michio Kaku

Apr 4, 2013

Dr. Steven Strogatz

▶ **UNR Geological Sciences Seminar Series:**

Mondays 3:00 PM, DMS 104; <http://crack.seismo.unr.edu/geosci/>

▶ **Joint PSAAPG/SPE/PSSEPM Conference – Monterey, CA Apr 19-25, 2013:**

Energy & the Environment – Working Together for the Future

Portola Hotel & Spa –

Submit abstracts to: psaapgabs@gmail.com – Deadline Jan 15, 2013

▶ **AAPG- Rocky Mtn Section 62nd Annual Meeting – Sep 22-24, 2013:**

“Energy Elevated” Hilton Salt Lake City Center

Call for papers will begin Jan 2013

http://rmsaapg2013.com/2013/index.php?option=com_content&view=article&id=1&Itemid=101

▶ **AAPG-Education Calendar:**

Upcoming AAPG Field Seminars: <http://www.aapg.org/education/fieldseminars/index.cfm>

► **News from Nevada Bureau of Mines & Geology:**

Desert Peak quadrangle--**new geologic map**
Southern Eureka mining district-- **new geologic map**
USGS National Geologic Map Database--**search NBMG**
Discover Science Lecture Series (UNR College of Science)
Geological Sciences Seminar Series

>**Desert Peak quadrangle--new geologic map Open-File Report 12-5**

Preliminary geologic map of the Desert Peak quadrangle, Churchill County, Nevada, by James E. Faulds, Alan R. Ramelli, Larry J. Garside, Mark F. Coolbaugh, and Heather L. Green, 2012

A 1:24,000-scale, color preliminary geologic map of the Desert Peak 7.5-minute quadrangle in Churchill County, Nevada with descriptions of 102 geologic units and three cross sections. Locations of geothermal wells are also included. The Desert Peak quadrangle incorporates much of the northern Hot Springs Mountains, which contain one of the larger geothermal anomalies in the Great Basin. The quadrangle includes the Desert Peak geothermal system and associated power plant, the easternmost part of the Brady's geothermal field, and the western part of the Desert Queen geothermal system. It also includes one operating diatomite mine and much of the currently inactive Desert Queen mining district.

1:24,000-scale color plate, 51x27 inches, rolled or folded, **\$19.00**

Buy or free on Web: <http://www.nbmgs.unr.edu/sales/pbsdtls.php?sku=OF12-%205>

>**Southern Eureka mining district-- new geologic map Open-File Report 12-6**

Preliminary geologic map of the southern Eureka mining district, Eureka and White Pine counties, Nevada, by Sean P. Long, Christopher D. Henry, John L. Muntean, Gary P. Edmondo, and Robert D. Thomas, 2012

A 1:24,000-scale, color preliminary geologic map of the southern Eureka mining district, and surrounding areas of the northern Fish Creek Range, southern Mountain Boy Range, and southern Diamond Range, with description of 80 geologic units and 3 cross sections. This map represents a significant reinterpretation of the structural style, kinematics, and geometry of the Eureka mining district.

\$38.00--set of two 1:24,000-scale color plates, both 55 x 39 inches, rolled or folded

\$19.00--plate 1 (map and cross section A)

\$19.00--plate 2 (cross sections B and C)

Buy or free on Web: <http://www.nbmgs.unr.edu/sales/pbsdtls.php?sku=OF12-%206>

>**USGS National Geologic Map Database—search NBMG**

This new database from USGS is very helpful in searching NBMG publications. <http://ngmdb.usgs.gov>

Go to "Map Catalog" and select "Nevada" for location and "USGS/AASG" for publisher.

You can also do spatial searches by clicking on "MapView."

>Discover Science Lecture Series (College of Science)

People have asked about science and geology lectures on campus, so we are passing on this information from the College of Science and the Department of Geological Sciences and Engineering. These lectures are too good to miss.

“Established in 2010, the Discover Science lecture series brings renowned scientists from all over the country to the University of Nevada, Reno campus to present their knowledge to the community in a series of engaging and free lectures at the Davidson Mathematics and Science Center.”

“Science encompasses a wonderfully diverse collection of explorations into the unknown,” Jeff Thompson, dean of the College of Science, said. “Join us and experience the extent of the science universe as the best scientists on the planet visit Nevada for our Discover Science Lecture Series.”

<http://www.unr.edu/science/about/discover-science-lecture-series>

>Geological Sciences Seminar Series

The Department of Geological Sciences and Engineering has a seminar series on Mondays. Here is a list of the upcoming lectures: crack.seismo.unr.edu/geosci

MONDAYS, 3:00 P.M, DAVIDSON MATH & SCIENCE BUILDING, #104 AT UNR:

<http://www.unr.edu/admissions/visit-campus>

Ordering information

You can **place an order** for other publications or check for shipping charges through our shopping cart at

<http://www.nbmg.unr.edu/Departments/PubSales/PubSales.html>

Subscribe to our blog: <http://nbmg.posterous.com>

Charlotte Stock

NBMG Publication Sales, University of Nevada, mailing address for US Mail, Fed Ex, and UPS:

Nevada Bureau of Mines and Geology

Great Basin Science Sample and Records Library

2175 Raggio Parkway

Reno, NV 89512

phone (775) 682-8766, fax (775) 784-6690

[Directions to office](#), www.nbmg.unr.edu

GOLD LEVEL Sponsorship Bio

The NPGS extends a warm thank you to Barbour Well, Inc. for becoming a Gold Sponsor.

Company Profile



www.barbourwell.com

Barbour specializes in drilling oil production wells and large diameter geothermal wells that are high-yield and high-quality in support of both the oil and geothermal industries throughout Nevada, California, Utah, New Mexico, Idaho and the Western United States.

Over three decades of geophysical logging, water well design, work-over/stimulation, down-hole video services, and drilling production wells makes Barbour ideally suited in the expertise for successful oil or geothermal projects. Barbour has an extensive background in geophysics unique to the offerings of most drilling organizations.

Barbour maintains current C23 and A6 Contractor's Licenses in Nevada, a C57/D09 Contractor's License in California, and current drilling Contractor's Licenses in New Mexico and Utah, offering both direct mud rotary (conventional) drilling (vertical and directional) as well as air-rotary foam drilling for specialized applications. Wire-line services are also available in most of the Western United States.



Cost-effective operations and innovative techniques designed to be used by the Oil and Geothermal Industries have provided new avenues of possibilities for future project planning. Barbour is confident that their continued commitment to the oil and geothermal communities will result in the increased availability of much needed renewable energies within the United States. For additional questions regarding company info, pricing or rig availability please contact:



Steve Zarcone,
Business Development
Barbour Well Inc.
260 Sunpac Ave, Suite A
Henderson, NV 89011
(805) 207-6407 Direct
(661) 755-7687 Cell
szarcone@barbourwell.com

UNLV

8th Annual GEOSYMPIOSIUM 2013



Symposium:

Friday, April 12, 2013

UNLV Science & Engineering Building
(SEB)

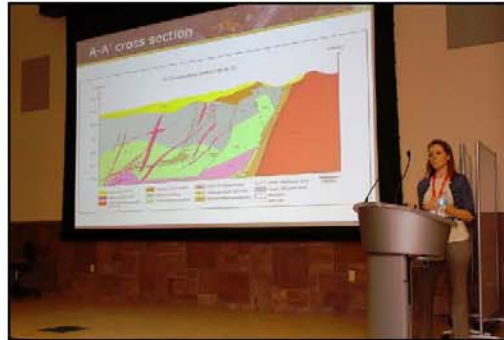
Field Trip:

Saturday, April 13, 2013

Mormon Mesa, NV

About GeoSymposium

The annual UNLV GeoSymposium is a student-run conference in which both graduate and undergraduate Geoscience students present their original research to industry, civic and government professionals, as well as academic experts. This provides important feedback to further advance their research and career opportunities.



Each Spring, more than 40 students showcase their research as either oral or poster presentations in front of fellow students, faculty, staff, and professionals in the field of geoscience. Attendance by local, national, and international industry professionals has been outstanding for past events, and we hope this facet of GeoSymposium grows, gaining support from geoscience industries. The 2013 GeoSymposium will again include diverse and exciting scientific research conducted through UNLV's Department of Geoscience.

Our graduate students, undergraduate students, faculty, and staff would like to invite you to join us for the 8th Annual GeoSymposium. We hope this event will further facilitate networking and future collaborative Geoscience research, both within and beyond the UNLV Department of Geoscience.

Research Topics

Research presented at the 2013 GeoSymposium will showcase the latest discoveries and upcoming research generated from our graduate and undergraduate students.



Previous oral and poster presentations have covered topics such as:

- Igneous and Metamorphic Petrology
- Sedimentology and Stratigraphy
- Experimental Petrology
- Carbonate System Analyses
- Economic Geology
- Paleontology
- Arid-Region Soil Science
- Hydrology and Hydrogeology
- GIS and Remote Sensing
- Planetary Sciences

...and many more!!

Awards

A volunteer panel of experts will judge student presentations based on their scientific merit, quality and applicability of research, and professionalism.



Awards will be presented for the best oral and poster presentations in different categories, recognizing the best research efforts of the 2012-2013 academic year.



We are looking forward to share our research with you and show you everything that is great about UNLV Geoscience!

2013 Events Schedule

Friday, April 12

- 8:45 am Opening Remarks
- 9:00 am Morning Keynote Address
(Dr. Jeff Randall, CH2M HILL, retired)
- 9:30 am Oral Presentation Session - I
- 11:00 am Poster Presentation Session - I
- 12:00 pm Lunch Break
- 1:00 pm Oral Presentation Session - II
- 2:00 pm Poster Presentation Session - II
- 3:30 pm Afternoon Keynote Address
(Mr. Gary Gray, ExxonMobil)
- 4:15 pm Awards Ceremony
- 4:30 pm Silent Auction and Refreshments

Saturday, April 13

Field Trip to Mormon Mesa, NV

Depart from Lilly Fong Geoscience (LFG) parking lot at 8:30 am, return about 5:00 pm.



Petrocalcic soil at Mormon Mesa, NV

For more information regarding the 2013 GeoSymposium, please visit our website:

<http://geoscience.unlv.edu/GeoSymposium>

Sponsorship Opportunities

This student-run symposium continues to be a success due to the support of our generous sponsors, who have given both their time and resources. This generosity is the lifeblood of our GeoSymposium and is greatly appreciated by the students and faculty of the Department of Geoscience. We are pleased to accept sponsors for registration breakfast, luncheon, silent auction reception, and field trip.

Thank You!

If you have questions and would like to learn more, or are interested in sponsoring a portion of the 2013 UNLV GeoSymposium, Please contact:

GeoSymposium Coordinator

Jeevan Jayakody

jayakody@unlv.nevada.edu

(702) 895-4633

(702) 592-3260

Or visit:

<http://geoscience.unlv.edu/GeoSymposium>





8th Annual GeoSymposium

April 12-13, 2013

R.S.V.P. Form

The GeoSymposium committee cordially invites you to join us at the Auditorium in the Science and Engineering Building (SEB) on April 12, 2013. To ensure recognition of your attendance at this event, please return this form by March 29, 2013. Options for submission of this form include fax, email (attachment), or postal mail. Please return one form per attendee. Additional forms are available from our website: <http://geoscience.unlv.edu/GeoSymposium/>

Name:

Affiliation:

Address:

Email/ Telephone:

Please check:

- I will attend GeoSymposium on Friday, April 12, 2013
 I would like to attend the Field trip on Saturday, April 13, 2013 (seats are limited)

Sponsorship Opportunity:

Your donation will help make the 8th Annual GeoSymposium a success! Financial and/or material support from friends and alumni of the Department of Geoscience is greatly appreciated and will be warmly acknowledged in our meeting program. For this special acknowledgement, please send your check or donate online by **March 29, 2013**. Online donations can be made at: <http://geoscience.unlv.edu/GeoSymposium/donate.html>

If paying by check, please indicate the amount of your donation and **make checks payable to: 'UNLV FOUNDATION' and in the Memo Line: 'GEOSYMPIUM'**

Quartz Donation (up to \$249) Garnet Donation (\$250-\$999)
Topaz Donation (\$1000-\$1999) Corundum Donation (\$2000-\$2999)
Diamond Donation (\$3000+)

Sponsor for: Breakfast Luncheon Evening Reception Field Trip

Notes:

I would like to donate a rock, mineral, or other item for the silent auction

Description:

Location:

Estimated Market Value: \$..... *Do you want recognition of item donation for tax purposes? Y/N*

Please mail forms or direct any questions to:

Jeevan Jayakody, UNLV Department of Geoscience
4505 S. Maryland Parkway, Box 4010
Las Vegas, NV 89154-4010

Email: jayakody@unlv.nevada.edu • *Phone:* (702) 895-4633 • *Fax:* (702) 895-4064

Thank you for your support, and we look forward to seeing you at the 8th GeoSymposium

CALL FOR PAPERS!

Joint PSAAPG / SPE / PSSEPM Conference – Monterey

April 19th – 25th, 2013 at the Portola Hotel & Spa (www.portalahotel.com)

Energy & the Environment – Working Together for the Future

Sessions

1. Reviving Old Giants and Recognizing New Potential Mature Basins
2. Opening Up the West: New and Overlooked Opportunities in Unconventional Reservoirs
3. Sedimentary and Biogeochemistry of the Monterey Formation & Upwelling Sediments: a Session Dedicated to Bob Garrison
4. Contributions to the Geology of the Sacramento Valley
5. Arctic Energy Opportunities: from the Cook Inlet to the North Slope and Beyond
6. Geothermal Development in a Changing Energy Landscape
7. Energy and the Environment
8. Outcrop, Subsurface and Modern Seafloor Studies of California's Turbidite Systems
9. The Stratigraphic Architecture of Deep-Water Depositional Models
10. Fluvial and Shallow-Marine Depositional Systems: Insights from Outcrops and Subsurface Prediction
11. Western North America Earthquake Hazards: What's Shakin'?
12. Faults, Folds, Transforms and Terranes of Western North America
13. Sediment Routing in Western North America
14. Tectonics and Sedimentation on the Pacific Margin of North America: New Developments and Interpretations
15. Analysis and Modeling of the Dynamics of Coupled Seascapes and Landscapes
16. Undergraduate Research Poster Session

Submit Your Abstract NOW!

Submit your abstract to: psaapgabs@gmail.com and list what session you prefer and oral or poster. Deadline for submission is 1/15/13





October 26, 2012

RE: Nevada Petroleum and Geothermal Society Sponsorship Request for 2012-13

On behalf of the Nevada Petroleum and Geothermal Society (NPGS) Board of Directors, I would like you and your firm to know that the NPGS is holding our first annual sponsorship for 2012-13.

Please accept this invitation to begin your NPGS Sponsorship for 2012-13.

Annual support from the NPGS firms in our community is necessary so that this Society can continue to perform our programs, including distribution of scholarships for Nevada University students, monthly professional dinner presentations, professional geology field trips, and the publication of professional papers.

We understand that the slow economy continues to drag on, and your firm's continual support at any level clearly shows your commitment to our professions.

Gold Sponsors will receive numerous benefits which allow them to maximize their positions as leaders in the local geological and geothermal communities. As a Gold Sponsor, your Company Logo will be prominently displayed in a special section of our monthly newsletter and on our website (<http://www.nbmng.unr.edu/nps/>). We will advertise opening positions with your Company at any time you request during the year. Additionally, we will feature your firm in our monthly newsletter. We will also run your Company's promotional slide show at a monthly dinner where we will present you with an elegant commemorative plaque that you can proudly display at your office showing your commitment to this community. Please also consider developing a dinner program that either highlights one of your firm's projects or is of general interest to the membership. Gold Sponsorship costs \$300 for the 2012-13 year.

Silver Sponsors also receive benefits. As a Silver Sponsor, your Company's business card will be displayed in a section of our monthly newsletter and on our website. We will advertise opening positions with your Company at any time during the year. Silver Sponsorship costs \$125 for the 2012-13 year.

Finally, our **Individual Sponsors** will be displayed in a section of our monthly newsletter and on our website. Individual Sponsorship costs only \$50 2012-13 year.

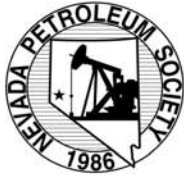
As always, we welcome your suggestions on how our Society's programs and activities can be improved.

Most importantly, we welcome the participation of you and your firm's staff at the monthly dinner presentations and at all of our events. If you know of anyone who is interested in serving in a leadership position on our Society's Board of Directors, please encourage them to contact me. Their involvement will ensure a vibrant future for the Nevada Petroleum and Geothermal Society.

We look forward to working with you to help make our Society the best that it can be. For your convenience, I have included a Sponsorship Form with this letter. Please contact me at (775)200-5143 or at jkareck@lumosenineering if you have any questions or require any additional information.

Sincerely,

Judy M. Kareck, P.E.
Secretary, Nevada Petroleum and Geothermal Society



NEVADA PETROLEUM AND GEOTHERMAL SOCIETY

2012-13 Sponsorship Application

(Sponsorship Fees must be Received by December 2012)

NPGS

P.O. Box 11526

Reno, NV 89510

Firm/Agency Name: _____
 Mailing Address: _____
 Phone Number: _____
 Fax Number: _____

	Sponsor Name	Email Address	Cost	Total
Primary Contact (1)				
Secondary Contact (2)				
3				
4				
5				
6				
7				
8				
9				
10				
Total Sponsorship Fees				
Indicate Level of Sponsorship:				
(3) GOLD				
(4) SILVER				
(5) INDIVIDUAL				

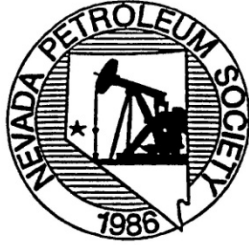
(1) (2) Primary and Secondary Contacts represent the individuals who will serve as direct liaison with the NPGS Board of Directors. They will be counted on to distribute information, solicit involvement, and provide feedback.

(3) Gold Sponsors receive numerous benefits which allow them to maximize their positions as leaders in our local petroleum and geothermal community. As a Gold Sponsor, your Company logo will be prominently displayed in a special section of our monthly newsletter and on our website (<http://www.nbmg.unr.edu/nps/>). NPGS will advertise opening positions with your Company at any time during the year. Additionally, we will feature your firm in our monthly newsletter. We will also run your Company's promotional slide show at a monthly luncheon where we will present you with an elegant commemorative plaque that you can proudly display at your office showing your commitment to this community. Please also consider developing a dinner program that either highlights one of your firm's projects or is of general interest to the membership. Gold Sponsorship costs \$300 for the 2012-13 year.

(4) As a Silver Sponsor, your Company's business card will be displayed in a section of our monthly newsletter and on our website. We will advertise opening positions with your Company at any time during the year. Silver Sponsorship costs \$100 for the 2012-13 year.

(5) Individual Sponsor names will be displayed in a special section of our monthly newsletter and on our website (<http://www.nbmg.unr.edu/nps/>). Individual Sponsorship costs \$50 for the 2012-13 year.

Note: Checks written to the Society should be written to: Nevada Petroleum Society (The Board is working on final name changes.)



APPLICATION FOR MEMBERSHIP

Name _____

Occupation/Title _____

Company/Affiliation _____

Work Address _____
Street City State Zip Code

Residence Address _____
Street City State Zip Code

Preferred Mailing Address? **WORK** -or- **RESIDENCE**

Work Phone _____ Residence Phone _____ Fax _____

Mobile Phone _____ Email _____

Member of AAPG? **YES** -or- **NO**

Professional References – list two references with phone numbers and addresses

1) Name _____ Phone _____

Address _____
Street City State Zip Code

2) Name _____ Phone _____

Address _____
Street City State Zip Code

Education – list colleges and universities attended, degree(s) received, and date of degree(s) (OPTIONAL)

Membership Type

- ACTIVE \$20.⁰⁰/year
- ASSOCIATE \$15.⁰⁰/year
- STUDENT \$10.⁰⁰/year
- LIFE \$200.⁰⁰ (one-time payment)

Signature _____

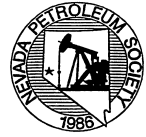
Date _____

Please make check payable to:

Nevada Petroleum Society
P.O. Box 11526
Reno, NV 89510-1526

DO NOT COMPLETE
For NPS Membership Committee Signatures Only

Nevada Petroleum and Geothermal Society – Publication List 2012



SPECIAL VOLUMES

- NPS 1** Oil Fields of the Great Basin (1994) R.A. Schalla and E.H. Johnson, editors, 31 papers on regional and field specific geology, 5 plates, soft cover with plastic comb binding, 380 p. \$65.00
- NPS 2** Membership Directory (only available **free on the Web** at <http://www.nbmg.unr.edu/nps/membershipdir.htm>)
- NPS 15** TerraScan's Geologic Map of the Eastern Great Basin, Nevada and Utah (1978, rev. 1987) compiled and edited by E.L. Howard, 3 sheets (includes cross-sections) ~~\$20.00/NPS or \$25.00/non-NPS~~ **order by phone only for discounted price of \$5.00**
- NPS 21** Carboniferous–Permian (Late Paleozoic) Hydrocarbon System, Rocky Mountains–Great Basin Region, U.S., Major Historic Exploration Objective (2001, updated 2003) J. Peterson, RMAG Open-File Report on CD only; 54 p., 45 illustrations, CD **\$15.00**

FIELD TRIP GUIDEBOOKS

- NPS 3** Oil Fields, Production Facilities and Reservoir Rocks of Northern Nye County, Nevada (1989) compiled by W.J. Ehni and D.M. Evans, 8 abstracts and papers, 30 p. (xerox copy only – unbound) \$8.00
- NPS 4** Oil Fields and Geology of the Pine Valley, Eureka County Area, Nevada (1990) D.M.H. Flanigan, L.J. Garside, and M. Hansen, editors, 15 papers and abstracts, 74 p. (xerox copy only – unbound) **\$15.00**
- NPS 5** Geology of White River Valley, the Grant Range, Eastern Railroad Valley and Western Egan Range, Nevada (1991) D.M.H. Flanigan, M. Hansen, and T.E. Flanigan, editors, 10 papers and abstracts, 74 p. **\$15.00**
- NPS 6** Structural Geology and Petroleum Potential of Southwest Elko County, Nevada (1992) J.H. Trexler, Jr., T.E. Flanigan, D.M.H. Flanigan, M. Hansen, and L.J. Garside, editors, 9 papers, 2 plates, 96 p. **\$25.00**
- NPS 7** Structural and Stratigraphic Relationships of Devonian Reservoir Rocks, East Central Nevada (1993) C.W. Gillespie, editor, 15 papers, 3 plates, 203 p. **\$33.00**
- NPS 8** Dating of Pre-Tertiary Attenuation Structures in Upper Paleozoic and Mesozoic Rocks and the Eocene History in Northeast Nevada and Northwest Utah (1994) C.H. Thorman, C.J. Nutt, and C.J. Potter, editors, 11 papers, 125 p. on CD-ROM only **\$25.00**
- NPS 9** Structural and Stratigraphic Investigations and Petroleum Potential of Nevada, with Special Emphasis South of the Railroad Valley Producing Trend (1994) S.W. Dobbs and W.J. Taylor, editors, two volumes bound as one, 13 papers, 22 plates, 281 p. **\$40.00**
- NPS 10** Mississippian Source Rocks in the Antler Basin of Nevada and Associated Structural and Stratigraphic Traps (1995) M.W. Hansen, J.P. Walker, and J.H. Trexler, Jr., editors, 16 papers and 7 abstracts, 166 p. **\$25.00**
- NPS 11** Cenozoic Structure and Stratigraphy of Central Nevada (1996) W.J. Taylor and H. Langrock, editors, 11 papers, 122 p. **\$25.00**
- NPS 12** The Roberts Mountains Thrust, Elko and Eureka Counties, Nevada (1997) A.J. Perry and E.W. Abbott, editors, 4 papers, 2 abstracts and reference papers/abstracts, 86 p. **\$25.00**
- NPS 13** Hydrocarbon Habitat & Special Geologic Problems of the Great Basin (1998) D.E. French and R.A. Schalla, editors and co-chair **\$25.00**
- NPS 14** Cenozoic Geology of the Northern Colorado River Extensional Corridor, Nevada and Arizona: Economic Implications of Extensional Segmentation Structures (1999) J.E. Faulds, editor, 183 p., 3 color plates **\$35.00**
- NPS 16** Structure & Stratigraphy of the Eureka, Nevada Area (2001) Marilyn S. Miller and Jerome P. Walker, editors, 108 p., 11 color plates, book and CD **\$40.00** (NPS16), book only **\$30.00** (NPS16b), CD only **\$30.00** (NPS16c)
- NPS 17** Detachment and Attenuation in Eastern Nevada and its Application to Petroleum Exploration (2002) W. Ehni and J. Faulds, editors, 163 p., book & CD **\$40.00** (NPS17), book only **\$35.00** (NPS17b), CD only **\$15.00** (NPS17c)
- NPS 18** Oil, Gas, and Geothermal Occurrences in Northwestern Nevada (2003) S. Foster, editor, 102 p. **\$25.00**
- NPS 19** Megabreccias and Impact Breccias of East Central Nevada (2004) C.W. Gillespie and S. Foster, editors **\$35.00**
- NPS 20** Great Basin Paleozoic Carbonate Platform: Facies, Facies Transitions, Depositional Models, Platform Architecture, Sequence Stratigraphy, and Predictive Oil and Gas Reservoir and Mineral Host Models (2006) H.E. Cook and J.J. Corboy, 129 pages **out of print** (report from USGS Open-File Report 2004-1078, **free on Web** at <http://pubs.usgs.gov/of/2004/1078/>)
- NPS 22** Geology, Geothermal Resources and Petroleum Exploration of Neogene Basins in the Reno, Nevada Area (2007, 2nd ed., includes two papers not in 1st ed.) S. Limerick, editor, 7 papers, 3 reprints, and roadlog, 140 p. **\$25.00**
- NPS 23** Sedimentology and Tectonic Setting of the Late Cretaceous to Eocene Sheep Pass Formation in the Southern Egan Range (2008) P. Druschke, trip leader; J. Trexler, Jr., editor **\$25.00**

These publications are only available from the Nevada Bureau of Mines and Geology (NBMG).

NBMG contact information: Phone: (775) 682-8766, Fax: (775) 784-6690

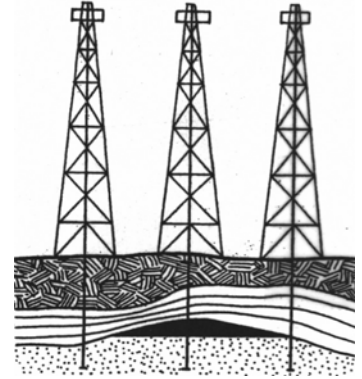
Web: <http://www.nbmg.unr.edu>

Web: <http://www.nbmg.unr.edu/nps/>

Oil and gas resources from NBMG

The following publications are available from the Nevada Bureau of Mines and Geology. **NBMG publications that are underlined are also available free on the Web at <http://www.nbmq.unr.edu/>.**

Oil and gas information page on the NBMG website
<http://www.nbmq.unr.edu/Oil&Gas/index.html>



Bulletins

B104 Oil and gas developments in Nevada: **Garside, Hess, Fleming and Weimer (1988), \$15.00, for updates, see OF01-7, OF04-1, and M162**

Educational Series

E-6 **Oil and gas in Nevada** (Student book for grades 4-8, 23 pages) \$3.45
E-24 **Nevada oil: Division of Minerals** (Brochure, 1996) free

Lists

L-8 **List of oil and gas wells drilled in Nevada since 1907:** Hess, Davis, and Boldi (2001, updated 2003) *superseded by OF04-1, see also OF01-7*
L-12 **Nevada oil and gas well catalog (NVOILWEL),** *superseded by OF04-1, see also OF01-7*
Complete list of Nevada oil and gas well exploration data, 1906-present. Listed logs and cuttings are housed at NBMG. Shows, geologic tops and tests are given when available.

Maps

M162 **Petroleum data map of Nevada:** Garside and Hess (2007), 1:1,000,000, \$15.00

Mineral Industry Series

The Nevada Mineral Industry is **published annually**, beginning in 1979. Each volume has a **section on oil and gas** in Nevada. Most of these reports are available *free on the Web* at <http://www.nbmq.unr.edu/>.

Open-File Reports

OF83-5 **Nevada oil shale:** Garside, 10 pages, \$4.00 (for more oil shale information, see also USGS MF-1546 and MF-2091)
OF86-13 **Nevada petroleum production statistics, 1954-1986:** Hess, Loomis and Garside, 14 pages, \$5.00
OF92-5 **Nevada oil and gas source-rock database:** Hess, compilation of source-rock analyses performed on cuttings samples taken at varying depth intervals from oil and gas exploration wells in Nevada up to 1992, complete print-out, \$20.00
OF96-6c **Nevada oil and gas wells, 1907-1996:** 1:1,000,000 color digital map of Nevada showing major roads, county boundaries, and locations of oil wells drilled since 1907, original printout, \$20.00, *see also OF01-7, M162*
OF01-7 **Nevada oil and gas well database map:** Hess, CD and 4 page text, \$15.00
Contains the following: L-12; updated OF96-6, partial; L-8; B104 text; digital base layers of Nevada data in Shapefile and Arc/Info export file format designed for use at scale 1:1,000,000 (county, towns, roads, USGS topo boundaries for 1:100,000 and 1:24,000, Township and Range); georeferenced raster graphic of the Nevada state base map, B&W, scale 1:1,000,000; 18 USGS digital raster graphic maps (DRG), 1:250,000-scale, topo maps in tiffw format
OF00-2 **Hydrocarbon assessment of the Yucca Mountain vicinity, Nye County, Nevada:** French, 78 pages and 4 plates, \$44.40
OF04-1 **Nevada oil and gas well database (NVOILWEL):** Hess (2004), \$86.40 for photocopy
OF07-7 **Assessment of the potential for carbon dioxide sequestration with enhanced oil recovery in Nevada:** LaPointe, Price, and Hess (2007), 24 pages, \$7.20
OF11-2 **Qualitative petroleum potential map of Nevada:** Garside and Hess (2011), plate 1:1,000,000 and text
OF11-6 **Oil and gas well information for Nevada – 2011 update:** Hess, Henson, David, Limerick, Siewe, and Niles; portable hard drive, 105 GB, 9643 files, \$115; free on web at <http://www.nbmq.unr.edu/Oil&Gas/NVWellInfo.html>

Reports

R51 **Preliminary assessment of the potential for carbon dioxide disposal by sequestration in geological settings in Nevada:** Price and others (2005), CD-ROM or paper copy, 35 pages, \$15.00
R52 **Assessment of the potential for carbon dioxide sequestration by reactions with rocks in Nevada:** Sturmer, LaPointe, Price, and Hess (2007) \$22.00 paper

USGS

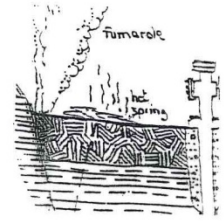
Assessment of undiscovered oil and gas resources of the Eastern Great Basin Province, 2005, Fact Sheet
FS-2005-3053, free at <http://pubs.usgs.gov/fs/2005/3053/>
Basin and Range Carbonate Aquifer System Study:
<http://nevada.usgs.gov/barcass/data.htm>

Ordering information for Nevada Bureau of Mines and Geology

Sales office located at Great Basin Science Sample and Records Library, 2175 Raggio Parkway, Reno, NV 89512

Phone: (775) 682-8766 Fax: (775) 784-6690 Web: <http://www.nbmq.unr.edu>

Geothermal resources in Nevada



Geothermal information page on the NBMG website

<http://www.nbmgs.unr.edu/Geothermal/index.html>

The following publications on geothermal resources are available from the Nevada Bureau of Mines and Geology. NBMG items that are underlined are available **free on the Internet** and can be viewed at <http://www.nbmgs.unr.edu/>.

Bulletins

- B65 Mineral and water resources of Nevada: Cornwall (1964) pp. 267-269, \$7.00
- B89 Geology and mineral deposits of Pershing County, Nevada: Johnson (1977) pp. 104-106, \$21.00
- B91 Thermal waters of Nevada: Garside and Schilling (1979) \$22.00, *for update see L-5*
- B97 Discovery and geology of the Desert Peak geothermal field—a case history: Benoit, Hiner, and Forest (1982), \$15.00 (*see also OF03-27*)
- B99B Mineral resources of northern Nye County, Nevada: Kleinhampl and Zion (1984) pp. 37-38, \$19.00

Educational Series

- E-7 Geothermal resources in Nevada: Student reading/activity book for grades four through eight, 27 pp., \$4.05
- E-15 Nevada geothermal electric power production, brochure (1992) 2 pp., \$0.60
- E-35 Major mines, oil fields, and geothermal plants in Nevada
- E-46 Taking the pulse of the Earth
- E-51 Life's a beach: In search of ancient shorelines and volcanoes in the Grimes Point and Lahontan Mountains area

Lists

- L-5 Index to geothermal well files housed at NBMG: Davis and Hess (2009) *updates* App. 2 of B91, \$19.50

Maps

- M126 Nevada geothermal resources: Shevenell, Garside, and Hess (2000), *superseded by M161*
- M141 Nevada geothermal resources (second edition): Shevenell and Garside (2005), 1:750,000, \$16.00 for paper copy, *available folded or rolled, superseded by M161*
- M146 Geologic map of the Fraser Flat quadrangle and the west half of the Moses Rock quadrangle, Washoe Co., NV
- M151 Geothermal potential map of the Great Basin, western United States: Coolbaugh and others (2005), 1:1,000,000, \$30.00, *rolled only*
- M161 Nevada geothermal resources: Penfield, Shevenell, Garside, and Zehner (2010), 1:750,000, \$18.00, *folded or rolled, supersedes M126 and M141*

Mineral Industry Series

MI-1979 through current year—The Nevada mineral industry is published annually and has a section on geothermal activities, varies with year, MI-1994-current year available free on Internet at <http://www.nbmgs.unr.edu/> and click on "Online Documents."

Newsletters

Nevada Geology Newsletter no. 19, page 3 (Summer 1993) "Low-temperature geothermal resources in Nevada" by Larry Garside, free

Open-File Reports

- OF83-6 Preliminary map of thermal wells in the Moana geothermal area, Reno, Nevada: Garside, \$8.00
- OF87-2 Mineral resource inventory – U.S. Navy master land withdrawal area, Churchill County, Nevada: Quade and Tingley, \$92.00
- OF94-2 Nevada low-temperature geothermal resource assessment: 1994: Garside, with a bibliography by Davis and Garside, \$40.00 for text and plate, or \$20.00 for text on disk, or \$7.00 for plate only
- OF96-2-9 Reconnaissance photogeologic map of young (Quaternary and late Tertiary) faults in Nevada: (Plate 9) 1:1,000,000, map and text, \$15.00
- OF03-27 Preliminary geologic map of the Desert Peak-Brady geothermal fields, Churchill County, Nevada: Faults and Garside (2003), \$15.00 (*see also B97*)
- OF06-5 Mineral- and energy resource potential for White Pine County, Nevada
- OF06-6 Mineral- and energy resource potential for Pershing County, Nevada
- OF06-7 Mineral- and energy resource potential for Lyon County, Nevada
- OF06-12 Potential resources associated with proposed roadless areas in Nevada
- OF09-10 Preliminary geothermal potential and exploration activity in Nevada: Zehner, Coolbaugh, and Shevenell, 1:1,000,000-scale plate and text, \$20.00 (*supersedes OF09-1*)
- OF10-6 Preliminary geologic map of the Lee-Allen geothermal area, Churchill County, Nevada
- OF11-3 Preliminary geologic map of the Reese River geothermal area, Lander County, Nevada
- OF11-10 Descriptive logs, skeletonized samples, and photographs of core from Presco Energy's thermal gradient wells P3-1, P 10-1, and P 32-2 in the Rye Patch area, Pershing County, Nevada: Davis (2011, Web version only)

- OF11-11 Preliminary geologic map of the northern Lake Range, San Emidio geothermal area, Washoe County, Nevada: Rhodes, Faulds, and Ramelli, scale 1:24,000, \$18.00
- OF12-3 Data tables and graphs of geothermal power production in Nevada: Shevenell, Price, and Hess (1985-2011, Web version only)

Reports

- R21 Geothermal exploration and development in Nevada through 1973
- R25 Evaluation of geothermal activity in the Truckee Meadows, Washoe County, Nevada: Bateman and Scheibach (1975), \$4.00
- R33 Papers on mineral deposits of western North America: (1979), presented at the Fifth Quadrennial Symposium of IAGOD, \$10.00
- R41 Precious-metal mineralization in hot springs systems, NV-CA: Tingley and Bonham (1986), \$15.00
- R43 Mineral resources of the Kumiva Peak 30' by 60' Quadrangle: Tingley (1989) pp. 16-17, \$5.00
- R44 Mineral resources of the Pahrangat Range 30' by 60' Quadrangle: Tingley (1989) pp. 8-9, \$5.00
- R45 Mineral resources of the Overton 30' by 60' Quadrangle: Tingley (1989) pp. 12-13, \$5.00
- R46 Mineral resources of the Timpahute Range 30' by 60' Quadrangle: Tingley (1991) pp. 30-31, \$5.00
- R51 Preliminary assessment of the potential for carbon dioxide disposal by sequestration in geological settings in Nevada

Special Publications

- SP4 Geology of Nevada: a discussion to accompany the Geol. map of Nevada (see below): Stewart (1980), \$25.00
- 00001 Geologic map of Nevada: Stewart and Carlson, U.S.G.S. (1978) 1:500,000, *available rolled only*, \$20.00 *available free on the Internet at <<http://keck.library.unr.edu/>> and click on "Great Basin geoscience dataset" or at <<http://www.nbmg.unr.edu/dox/dox.htm>>, see SP4 for descriptive text*

Urban Map Series

- 3Ah Energy and mineral resources map of the Las Vegas SE Quadrangle: Papke and Bell (1973) *available rolled or folded*, \$2.00
- 4Ah Energy and mineral resources map of the Reno Quadrangle: Bingler, Bonham, and Luza (1973) *available rolled or folded*, \$2.00
- 5Ah Energy and mineral resources map of the Washoe City Quadrangle: Papke and Jones (1978) *available rolled or folded*, \$2.00

Nevada Petroleum Society

- NPS5 Geology of White River Valley, the Grant Range, Eastern Railroad Valley and Western Egan Range, Nevada
- NPS18 Oil, gas and geothermal occurrences in northwestern Nevada
- NPS22 Geology, Geothermal Resources and Petroleum Exploration of Neogene Basins in the Reno, Nevada Area

USGS Publications

- C1249 Geothermal energy – clean power from the earth's heat: Duffield and Sass, *free on the Internet at <<http://geopubs.wr.usgs.gov/circular/c1249/>>*
- I-1701 Bouguer gravity anomalies, depth to bedrock, and shallow temperature in the Humboldt House geothermal area, Pershing County, Nevada: Schaefer (1986), \$9.00
- OF74-271 Geothermal systems of northern Nevada: Hose and Taylor (1974), 30 pages, call for prices
- OF74-1066 The chemical composition and estimated minimum thermal reservoir temperatures of the principal hot springs of northern and central Nevada, call for prices
- OF81-918 Geothermal resources of the western arm of the Black Rock Desert, northwestern Nevada, part I, geology and geophysics: Schaefer, Welch, and Maurer (1983), 41 pages and 4 plates, call for prices
- OF02-374 A helicopter-borne magnetic survey over Dixie Valley geothermal field, Nevada: A web site for distribution: Pearson, deRidder and Johnson (2002), *available free on the Internet at <<http://pubs.usgs.gov/of/2002/ofr-02-0374/>>*, call for prices
- OF02-384 High-resolution aeromagnetic survey to image shallow faults, Dixie Valley geothermal field, Nevada: Grauch (2002), *<<http://pubs.usgs.gov/of/2002/ofr-02-0384/>>*, call for prices

Other Resources

Great Basin Center for Geothermal Energy is at <http://www.unr.edu/geothermal/>.

For more information, please contact:

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Great Basin Science Sample and Records Library
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Reno, NV 89512

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E-mail: nbmg@unr.edu
www.nbmg.unr.edu

Nevada Petroleum and Geothermal Society Calendar: Year 2012-2013	
Jan 3, 2013	NPGS Monthly Dinner Meeting – Thursday Jan 3, 6:30 PM Ramada Reno Hotel, 1000 E 6 th St, Reno, NV <i>Speaker: Scott Hector, Geologist/Partner Hobby Energy</i> <i>Topic: Monterey Shale play</i>
Jan 14, 2013	Northern Nevada Section SME Monthly Dinner Meeting Charles A. Jeannes – President & CEO, Goldcorp Circus-Circus Mandalay Room, Happy Hour 6:00, Dinner 6:45, Talk 7:30 RSVP by Wed Jan 9; 775-682-7379; dlightwood@unr.edu
Jan 18, 2013	GSN Membership Meeting – Reno Elks Lodge 597 Kumle Lane, Reno, NV – Friday , 6:00 PM Drinks at 6:00 PM, dinner at 7:00 PM, and talk at 8:00 PM. RSVP by NOON Thu Nov 15: Laura Ruud (775) 323-3500, gsn@gsnv.org
Jan 28, 2013	UNR Geological Sciences Seminar Series – Mondays 3:00 PM DMS 104; http://crack.seismo.unr.edu/geosci/
Jan 29, 2013	Nevada BLM Geothermal Lease Sale, Reno NV http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/ggeothermal_leasing.html
Feb 4, 2013	UNR Geological Sciences Seminar Series – Mondays 3:00 PM DMS 104; http://crack.seismo.unr.edu/geosci/
Feb 7, 2013	NPGS Monthly Dinner Meeting – Thursday Feb 7, 6:30 PM Ramada Reno Hotel, 1000 E 6 th St, Reno, NV <i>Speaker: Lowell Price, Nevada Division of Minerals, Carson City, NV</i> <i>Topic: Oil & Gas Exploration Summary 2012</i>
Feb 7, 2013	UNR College of Science – Discover Science Lecture Series Dr. Michio Kaku Information: 775-784-4591; science@unr.edu
Feb 11, 2013	UNR Geological Sciences Seminar Series – Mondays 3:00 PM DMS 104; http://crack.seismo.unr.edu/geosci/
Mar 7, 2013	NPGS Monthly Dinner Meeting – Thursday Mar 7, 6:30 PM Ramada Reno Hotel, 1000 E 6 th St, Reno, NV <i>Speaker: Vincent Ramirez, Hangtown Oil LLC, Carson City, NV 89703</i> <i>Title: Empire "Paradise 2-12" oil discovery in western Nye County: why so much Miocene structural compression?</i>
Mar 12, 2013	Nevada BLM Oil & Gas Lease Sale, Reno NV 36 parcels available, Elko & Eureka Counties http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html
Apr 4, 2013	NPGS Monthly Dinner Meeting – Thursday Apr 4, 6:30 PM Ramada Reno Hotel, 1000 E 6 th St, Reno, NV <i>Speakers: Jim Trexler, Professor, Geological Sciences, UNR, Reno NV and Don French, Geologist, Billings MT</i> <i>Topic: Distribution & lithology of the Mississippian Chainman shale</i>

Apr 4, 2013	UNR College of Science – Discover Science Lecture Series Dr. Steven Strogatz Information: 775-784-4591; science@unr.edu
Apr 19-25, 2013	Pacific Section AAPGS/SPE/PSSEPM Conference Monterey, CA Apr 19-25, 2013: Portola Hotel & Spa <i>Energy & the Environment – Working Together for the Future</i> Submit abstracts to: psaapgabs@gmail.com – Deadline Jan 15, 2013
May 2, 2013	NPGS Monthly Dinner Meeting – Thursday May 2, 6:30 PM Ramada Reno Hotel, 1000 E 6 th St, Reno, NV <i>Speaker: Sean P. Long, Research Professor, NBMG, UNR</i> <i>Topic: Mid-Tertiary Unconformity, implications of the structure of Railroad Valley and the surrounding region</i>
Jun 26-27, 2013	Geothermal Energy Association - National Geothermal Summit June 26-27, 2013 – Reno, NV http://geo-energy.org/events.aspx
Sep 22-24, 2013	AAPG- Rocky Mtn Section 62nd Annual Meeting – Sep 22-24, 2013 Utah Geological Association hosting at the Hilton Salt Lake City Center “Energy Elevated” Call for papers will begin Jan 2013 http://rmsaapg2013.com/2013/index.php?option=com_content&view=article&id=1&Itemid=101
2016 proposed	Rocky Mountain Section/Pacific Section Meeting – AAPG 2016 2016 joint RMS-AAPG/PS-AAPG annual meeting, Las Vegas, Nevada (proposed)

The NPS Newsletter is provided to members of the Nevada Petroleum and Geothermal Society.
For information about membership and events, see the NPGS website at <http://www.nbmgs.unr.edu/nps/>
To submit articles, corrections or suggestions for the newsletter; Contact Vicki Ehni 775-883-1107, cell 775-720-6387; email vehni@aol.com .
