

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.nbmg.unr.edu/nps/

<u>Presid</u>ent

John Snow Chief Operating Officer Standard Steam 14075 Saddlebow Dr. Reno. Nevada 89511 (775) 336-8067 (O) (775) 85-3458 (H)

jsnow@standardsteamtrust.com

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Bill Ehni Geologist Ehni Enterprises, Inc. P. O. Box 4228 Carson City, NV 89702 775-883-1107 ehnient@aol.com

Secretary

Judy Kareck Engineer Lumos & Associates 9222 Prototype Drive Reno, Nevada 89521 775-827-6111

jkareck@lumosengineering.com

<u>Treasurer</u>

Steve Foster Geophysicist/Geologist 886 Marsh Ave. Reno, NV 89509 775-329-4123

sfostermammoth@gmail.com

Past President

James Faulds Director/State Geologist NBMG, UNR MS 178 Reno, NV 89557-0088 ifaulds@unr.edu

AAPG Delegate Andrew Hanson Assoc Professor Geoscience UNLV, Las Vegas, NV Andrew.hanson@unlv.edu

RMS-AAPG Representative Jerry Walker Geologist 1455 Shewmaker Ct. Reno, NV 89509 775-348-0650 jerry_reno@charter.net

Dinner Meeting: Thursday, Feb 7, 2013

Speaker: **Lowell Price**

Oil, Gas & Geothermal Program Manager

Nevada Division of Minerals

Carson City, NV

Exploration and Production in Nevada -Topic:

Summary 2012

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

ikareck@lumosengineering.com

SEE CALENDAR Pages 21-22 for upcoming meetinas

► NPGS Monthly Dinner Meeting – Feb 7, 2013

Speaker: Lowell Price, Nevada Division of Minerals

Title: Exploration and Production in Nevada, Summary 2012

Topics of discussion:

- · 2012 oil production by field
- · Historical production from Nevada's oil fields/Nevada's cumulative production
- · Current and upcoming oil exploration in Nevada
- · The hydraulic fracturing process

► <u>About the Speaker – Lowell Price</u>

Lowell Price received his Bachelor's degree in Geology from the University of Texas at Arlington in 1978. As the Oil, Gas, and Geothermal Program Manager for the Commission on Mineral Resources, Nevada Division of Minerals in Carson City, Nevada, he oversees oil, gas, and geothermal permitting and drilling activities within the State of Nevada. Prior to the Division of Minerals, Lowell was Operations Geologist for Epoch Well Services and Horizon Well Logging, performing well site geology in Nevada, California, Alaska, Belize, and Guatemala.

Previously, Lowell was partner and exploration geologist with Dray and Price Exploration in the Rockies & mid-continent. He worked as Operations Geologist with Saudi Aramco at the Ghawar Oil Field and staff exploration geologist with Independence Mining, exploring for gold in the Bull Run Mountains and Independence Range. He worked as a contract exploration geologist for Freeport McMoRan, Tenneco Minerals, Chevron Resources, Morrison Knudson, Western States Minerals, and Independence Mining, exploring for gold in various regions of the Great Basin. Earlier in his career, Lowell was an exploration/structural geologist for Amoco International Oil Company (AIOC) and worked the Africa and Middle East Region and the Denver Region – primarily thrust systems – Oman (Oman Mountains Thrust System), United Arab Emirates (Oman Mountains Thrust System), Egypt (Gulf of Suez), Tunisia, Morocco, Gabon, and Rocky Mountains (Rocky Mountains Thrust System north of UP Strip).

Nevada Division of Minerals, 400 West King Street, Suite 106, Carson City, NV 89703-4212 Office: 775-684-7045, Cell: 775-721-1774, Fax: 775-684-7052; Lprice@govmail.state.nv.us; http://minerals.state.nv.us/

► 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 NPGS 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.

Barber, Michael Summit Mudlogging Services Heber City, UT Frank, Alan Boart Longvear Elko, NV

► NPGS Welcomes 2 Gold Level Sponsors:

NPGS extends a thank you to Gold Level Sponsors

Barbour Well, Inc.

Lumos and Associates, Inc.

See their full page company descriptions in this newsletter.

► NPGS Research Awards in Geosciences – 2013 Applications Due Feb 25:

2013 Scholarship Application flyer in this newsletter. For more information jfaulds@unr.edu

► NPGS Google Earth Technical Workshop – Mar 21, 2013:

8:00 AM Great Basin Science Sample and Records Library (GBSSRL), Reno, NV 20 seats available; \$50 NPGS members, \$70 non-members; reservations: jsnow1@sbcglobal.net

The NPGS Google Earth Technical Workshop will be held on March 21 2013 at the Great Basin Science Sample and Records Library (GBSSRL) in Reno. This is a one day workshop featuring instruction on the use of Google Earth software, add-on utility software from Earth Point, and data sets developed by the Great Basin Center for Geothermal. We will provide an overview of the services that the GBSSRL offers and a tour of the state of the art facility. Attendees will participate in oil, gas and geothermal exercises using their own laptop computer. Attendees will be provided with USB disk drives that contain Nevada resource data sets. Earth Point (http://www.earthpoint.us) will provide trial subscriptions to their add-on utility software products.

This one day Workshop will start at 8:00 AM on March 21, 2013. The fee to attend for members is \$50 and \$70 for nonmembers. This fee includes class material and box lunch. Stay tuned for more information on this Google Earth Workshop as the Instructors continue to develop the lesson plan. Due to the hands on participation with personal laptops there will be 20 seats available. If you are interested in attending this Workshop please email John Snow at: jsnow1@sbcglobal.net.

► Results of Jan 29, 2013 BLM Geothermal Lease Sale:

Five parcels were sold at the recent geothermal lease sale. Four of the parcels, two in Churchill Co and two in Humboldt Co, were bought by Ormat (NV); and one parcel, in Pershing Co, was bought by Presco (CO). All five parcels were sold at the minimum bid of \$2/acre. Seven parcels were offered in various counties.

For more information:

http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/ggeothermal_leasing.html

► <u>Feb- Mar 2013 Oil & Gas Lease Sale Sch</u>edule:

Feb 05 North Dakota (State) Mar 05 Montana (State) Feb 05 Wyoming (BLM) Mar 06 Oklahoma (State) Feb 14 Colorado (BLM) Mar 12 Nevada (BLM) Feb 19 New Mexico (State) Mar 19 New Mexico (State) Feb 19 Utah (BLM) Mar 21 Eastern States (BLM)

Feb 21 Colorado (State)

► Next Scheduled BLM 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

► <u>UNR College of Science – Discover Science Lecture Series:</u>

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 4:00 PM, DMS 103; http://crack.seismo.unr.edu/geosci/

Feb 4 The Burt Slemmons Honorary Lecture - Steve Malone, Univ. of WA

Feb 11 Ed Garnero, Arizona State U.

Feb 25 Rich Wanty, USGS

Mar 11 Briana Johnson MS talk, and Amie Lamb MS talk

Mar 25 Gene Smith, UNLV

Apr 1 Mary Leech, San Francisco State Apr 8 Chad Deering, UW Osh Kosh

Apr 15 Jay Quade, Univ. Arizona

Apr 22 Darrel Cowan, U of Washington

Title: "Active, possibly seismogenic low-angle normal faults, Death Valley, California"

Apr 29 Russell Shapiro

May 6 George Bergantz, U of Washington

Title: "Arc Crustal Sections: A Roadmap to Integrating Geochemistry and Geophysics"

May 13 Chris Mattinson, Central Washington University

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

Energy & the Environment – Working Together for the Future Portola Hotel & Spa – www.portolahotel.com

psaapg.org

► <u>AAPG- Rocky Mtn Section 62nd Annual Meeting – Sep 22-24, 2013:</u> "Energy Elevated" Hilton Salt Lake City Center <u>www.rmsaapg2013.com</u>

► 19th Annual 3D Seismic Symposium; RMAG/DGS – Mar 5, 2013:

Presented by The Denver Geophysical Society & The Rocky Mountain Association of Geologists Making Sound Decisions

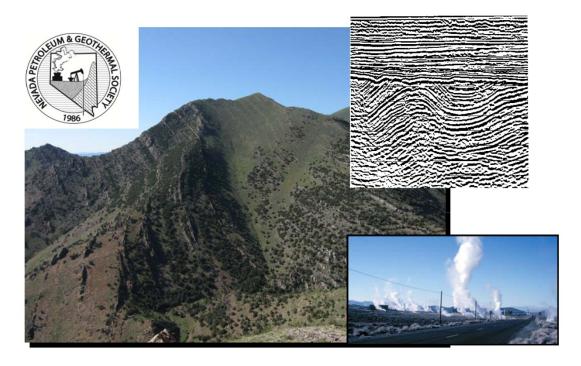
March 05, 2013 Sheraton Hotel – Downtown Denver

The 3D Seismic Symposium provides case histories for geophysicists, geologists, landmen and engineers who seek to stay abreast of new 3D technology as applied to petroleum exploration and development.

Registration open, also accepting sponsors and vendors. www.3dseismicsymposium.com

► <u>AAPG-Education Calendar:</u>

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



2013 Application Announcement

THE NEVADA PETROLEUM & GEOTHERMAL SOCIETY **Graduate Student Research Awards in Geosciences** Three to five grants up to \$1000 each

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 2013. Applicants must be graduate students in good standing. Successful applicants will be expected to present their results to the Society upon degree completion.

- 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.

Guidelines: Research topics should be: **To apply:** Send or email (as pdf file) 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) to:

> Dr. James Faulds, NPGS Scholarship Chairman Nevada Bureau of Mines and Geology, MS 178 University of Nevada, Reno Reno, NV 89557 ifaulds@unr.edu

Application materials must be received or postmarked by February 25, 2013

More information? Contact: jfaulds@unr.edu

AAPG Rocky Mountain Section Salt Lake City - Hilton

September 22-24, 2013

Call for Papers

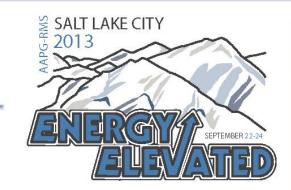
To submit an abstract for an oral, poster, or core poster presentation go to

rmsaapg2013.com

and click on "SUBMIT ABSTRACT"

Contributions from young professionals and students are especially welcome

Deadline for abstracts is March 29, 2013





Technical Program Highlights

- · Lacustrine basins: Modern and ancient
- Shale/tight gas and oil plays
- Great oil/gas fields of the Rocky Mtns.: A historical perspective
- Carbon capture, utilization, and storage
- Structure, stratigraphy, and source rocks of the Rockies
- · Gas marketing in the Rockies: Forum discussion
- Emerging oil shale and oil sand resource plays
- Geologic and environmental aspects of hydraulic fracturing

Field Trips

- · Lacustrine microbial carbonates: Modern and ancient
- San Rafael Swell and Henry Mtns. Basin
- Wasatch Mountains: Scenic trip through time
- Nine Mile Canyon geology: Green River and Wasatch Fms.





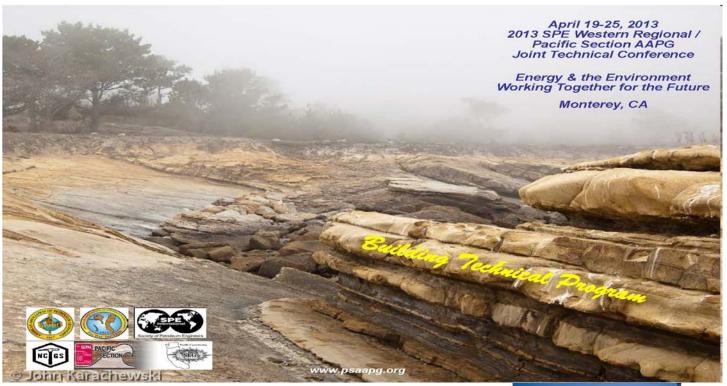
Registration opens in Spring 2013

For convention details visit: rmsaapg2013.com

Other Convention Events

- All-convention luncheon: Geology of Mars, Utah analogs, and the latest discoveries of the Curiosity rover *Dr. Rebecca Williams, Planetary Science Institute*
- Several pre- and post-meeting short courses
- Night at the new Natural History Museum of Utah
- Guest hospitality suite and three days of special activities

Hosted by the Utah Geological Association





Committee

PAUL HENSHAW - AAPG Ph: (925) 673-8745 Cell: (925) 212-9492 Drphenshaw@comcast.net

TECHNICAL PROGRAM TIM MCHARGUE - AAPG Chair Ph: 925-964-0740

Cell: 925-858-6510 timmchargue@gmail.com

MED KAMAL - SPE Chair MKamal@chevron.com

JAKE COVAULT Vice Chair jakecovault@gmail.com

BILL BARTLING PCS-SEG Vice Chair Ph: 661-664-9702 bill.bartling@sr2020inc.com

ANDREA FILDANI - PS-SEPM iaiello@mlml.calstate.edu Co-Chair

FIELD TRIPS STEFANO MAZZONI Chair Ph: (661) 869-8005 Stefano Mazzoni@oxy.com

afildani@gmail.com

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SPONSORSHIP LARRY KNAUER Ph: (661) 392-2471 FAX: (661) 392-2860 LarryKnauer@chevron.com

EXHIBITS KEN PETERS Ph: 415-383-3744 kpeters2@slb.com

OPERATIONS MICHELLE GENTZEN Ph: (918) 232-4141 michelle.gentzen@ conferencedirect.com

SHORT COURSES IVANO AIELLO - AAPG/SEPM

HERVE GROSS - SPE Co-Chair HGross@chevron.com

POSTER SESSIONS DAN STURMER Chair Ph: 775-745-2909 sturmer.dan@gmail.com

Tentative Technical Program PSAAPG/PS-SEPIN

- · Reviving old giants and new potential in mature basins
- · Evolving Models of Deep Water Deposition
- · Fluvial and shallow-marine depositional systems: insights from outcrops and subsurface prediction
- · Opening up the west: new and overlooked opportunities in unconventional reservoirs
- Faults, folds, transforms and terranes of Western North America
- ·Marine Geology of the pacific Margin (modern and Ancient) -- dedicated to Bob Garrison
- · Westerrn North America earthquake hazards: what's shakin'
- · Energy and the environment
- · Landscape / Seascape Evolution
- · California Turbidites
- · What's new in the Sacramento Valley
- · Geothermal Energy: A hot topic
- · Arctic energy opportunities: from the Cook Inlet to the North Slope and beyond
- · Sediment routing in Western North American
- · Undergraduate Research Poster session





Tentative Field Trips

- 1. Hydrocarbon Migration Systems: Injectites, Bituminous Sands, and Gas Seeps
- 2. Retracing the Events of the 1906 San Francisco Earthquake and Fire
- 3. Convergent Margin Tectonics across Central California Coast Ranges --Pacheco Pass
- 4. Oceanography Field Trip -- Moss Landing Marine Labs
- 5. Geology of the Point Lobos Reserve
- 6. Monterey Formation Outcrops 7. California Turbidites
- 8. Other

SPEWR/PSAAPG/PS-SEPM Tentitive Short Courses

- 1. Streamline simulation,
- 2. Numerical methods in simulation
- 3. Modern well test analysis,
- 4. Thermal methods and in-situ combustion.
- 5. Reserve booking
- 6. Carbon sequestration & storage
- 7. Sequence Stratigraphy for students
- 8. Carbonate Stratigraphy
- 9. Formation Evaluation
- 10. Image log interpretation
- 11. Geocellular modeling
- 12. Microseismic
- 13. Monterey core workshop
- 14. Monitoring programs for fracking

► News from Nevada Bureau of Mines & Geology:

>Photo Contest for 2014 Calendar – deadline March 31

Do you have an amazing photo of Nevada geology that you would like to see in the next 2014 Nevada Geology Calendar? Entries are now being accepted for this photo contest!

For information about the 2013 calendar: http://www.nbmg.unr.edu/sales/pbsdtls.php?sku=CAL2013

Here are the details for this contest for the 2014 calendar:

- Deadline for entries is March 31, 2013.
- Photos need to be taken in Nevada. A location description and/or GPS coordinates should accompany submissions along with description.
- High-quality, high-resolution photo files of at least 300 dpi are required for quality printing.
- E-mail submissions to Jack Hursh (jhursh@unr.edu).
- NBMG Cartographers will make the final decision on the winning photos.
- Prizes will be awarded for first-, second-, and third-place winners.

>Nevada Seismological Lab lecture at UNR – February 4

The Nevada Seismological Laboratory will present this lecture:

Speaker: Dr. Stephen D. Malone

Title: The Winter, 2013 magnitude 6.5 earthquake in Puget Sound that no one will feel": The story of episodic tremor

and slip (ETS), what it is, how we can measure it, some of its strange properties

Date: Monday Feb 4, 2013

Time: 4 pm

Where: Davidson Math and Science (DMS) Building, Room 103 at UNR

http://www.unr.edu/around-campus/maps
See this link for history of seminar series:

http://neotectonics.seismo.unr.edu/0_SLEMMONS/SlemmonsLecture.html

>New Director of Center for Research in Economic Geology (CREG)—John Muntean

Announcement from MSESE Director, Russ Fields (12-14-12)

"I am pleased to announce that Dr. John Muntean has been named Director of the Ralph Roberts Center for Research in Economic Geology (CREG) at the Mackay School of Earth Sciences and Engineering. The Mackay School is part of the College of Science, University of Nevada, Reno.

Dr. Muntean will lead CREG in its mission to direct research in the field of economic geology specifically on the deposition of gold deposits. CREG is a unit of Mackay's Department of Geological Sciences and Engineering.

John Muntean is a Research Economic Geologist and Associate Professor with the Nevada Bureau of Mines and Geology at the University of Nevada, Reno. He received his BS from Purdue University, his MS from the University of Michigan, and his PhD from Stanford University. Before joining UNR in 2005, John worked 12 years in the mining industry for companies exploring for gold in Nevada, including Santa Fe Pacific, Homestake, and Placer Dome. At Placer Dome, he provided technical support for Placer's worldwide near-mine and long-term generative exploration efforts. His research has been on epithermal, porphyry, and Carlin-type gold deposits in Nevada and Latin America. At NBMG he has also been involved in mineral assessments, mapping projects, database compilations, and reporting on mineral exploration activities in Nevada. He is an active member of the Society of Economic Geologists and the Geological Society of Nevada.

Nevada Petroleum and Geothermal Society; Feb 2013

Please join me in welcoming John as the CREG director. John's email address is munteanj@unr.edu
I also wish to recognize Dr. Tommy Thompson for his leadership of CREG for approximately the last 16 years. Dr. Thompson and his graduate students have worked on many of the questions on gold deposition and have advanced our collective understanding. We wish him well as he continues to serve on the faculty of the Department of Geological Sciences and Engineering at Mackay."

John Muntean would like to add:

"I look forward to working with any who are interested in helping CREG continue to develop and grow into a world-class research unit in the formation and exploration for ore deposits. I have many ideas that I'd like to bounce off people. If I don't contact you first, please contact me with your suggestions. My email is munteanj@unr.edu. Thank you for your continuing support of the CREG program."

>Discover Science Lecture Series (College of Science)

"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

*NOTE TIME & ROOM CHANGE

The Department of Geological Sciences and Engineering has a seminar series on Mondays.

For a list of the upcoming lectures: crack.seismo.unr.edu/geosci

MONDAYS, 4:00 P.M, DAVIDSON MATH & SCIENCE BUILDING, #103 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

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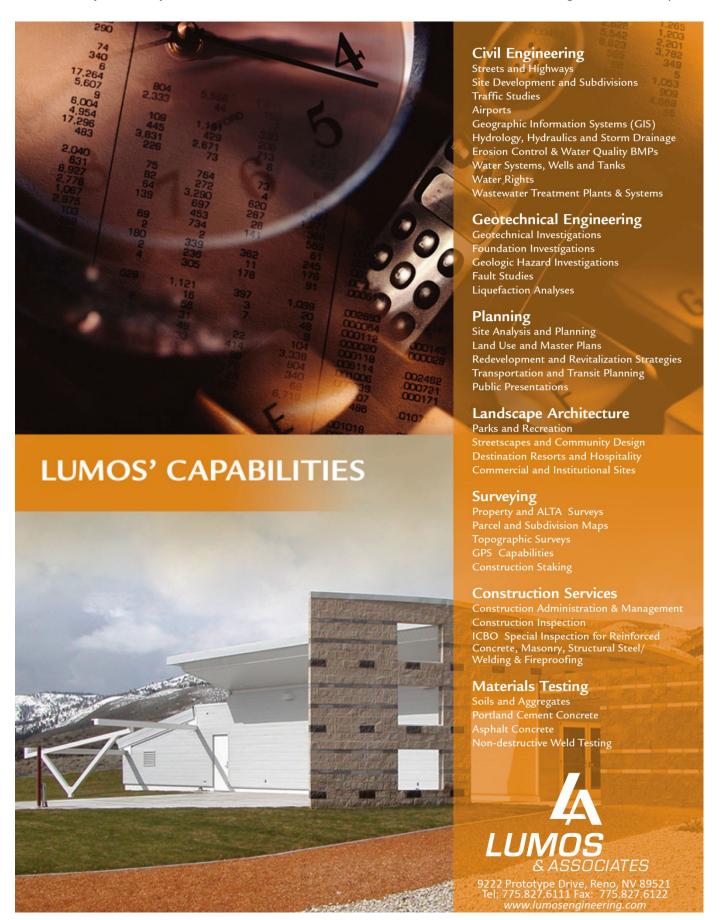
2175 Raggio Parkway

Reno, NV 89512

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

Directions to office, www.nbmg.unr.edu

Gold Level Sponsorship Bio The NPGS thanks Lumos and Associates, Inc. for becoming a Gold Level Sponsor!



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



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 would like to attend the Field trip on Saturday, April 13, 2013 (seats are limited)
Sponsorship Opportunity: Your donation will help make the 8 th 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: 'GEOSYMPOSIUM'
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: \$
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
1.000. (102) 055 1001

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



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.nbmg.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@lumosengineering if you have any questions or require any additional information.

Sincerely,

Judy M. Kareck, P.E.

Secretary, Nevada Petroleum and Geothermal Society

ROLEUM GOOT

NEVADA PETROLEUM AND GEOTHERMAL SOCIETY

2012-13 Sponsorship Application

(Sponsorship Fees must be Received by December 2012)

141 05					
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)					
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10					
			Total Sponsorship Fees		
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			Indicate Level of Sponsorship:		
				() GOLD	
				SILVER	
			(5) INDIVIDUAL	
Primary and Se	condary Contacts represent the	individuals v	who will serve as direct liaison with the NPGS Board of Directors	They will be cou	inted on to

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 (1) (2) distribute information, solicit involvement, and provide feedback.

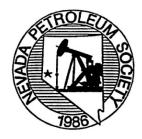
Gold Sponsors receive numerous benefits which allow them to maximize their positions as leaders in our local petroleum and geothermal community. As a Gold Sponsor, your Company logo will be prominently displayed in a special section of our monthly newsletter and on our website (http://www.nbmg.unr.edu/nps/). 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

(3) 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.

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 (4) positions with your Company at any time during the year. Silver Sponsorship costs \$100 for the 2012-13 year.

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 (5) 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

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Professional Refe	rences – list two references wit	h phone numbers and	d addresses	
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Nevada Petroleum an Geothermal Society; Feb 2013

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/ Nevada Petroleum and Geothermal Society; Feb 2013

Oil and gas resources from NBMG

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

Oil and gas information page on the NBMG website

http://www.nbmg.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.nbmg.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)

OF86-13Nevada 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.nbmg.unr.edu/Oil&Gas/NVWellInfo.html

Reports

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

Assessment of the potential for carbon dioxide sequestration by reactions with rocks in Nevada: Sturmer, LaPointe, Price, and Hess (2007) \$22.00 paper

USGS

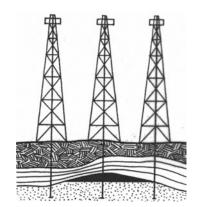
Assessment of undiscovered oil and gas resources of the Eastern Great Basin Province, 2005, Fact Sheet FS-2005-3053, free at http://pubs.usgs.gov/fs/2005/3053/
Basin and Range Carbonate Aquifer System Study:

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.nbmg.unr.edu



Geothermal resources in Nevada

Geothermal information page on the NBMG website http://www.nbmg.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 <u>underlined</u> are available **free on the Internet** and can be viewed at http://www.nbmg.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 Ziony (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

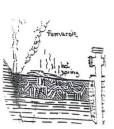
MI-1979 through current year—The Nevada mineral industry is published annually and has a section on geothermal activities, varies with year, MI-1994-current year available free on Internet at http://www.nbmg.unr.edu/ and click on "Online Documents."

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: Faulds 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 Pahranagat 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

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

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Other Resources

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

For more information, please contact:

Nevada Bureau of Mines and Geology Great Basin Science Sample and Records Library 2175 Raggio Parkway Reno, NV 89512

Nevada Petrol	eum and Geothermal Society Calendar: Year 2013
Feb 4, 2013	UNR Geological Sciences Seminar Series – Mondays 4:00 PM
	DMS 103; 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
	Speaker: Lowell Price, Nevada Division of Minerals, Carson City, NV
	Topic: Exploration and Production in Nevada - Summary 2012
Feb 7, 2013	UNR College of Science – Discover Science Lecture Series
	Dr. Michio Kaku
F.I. 44, 0040	Information: 775-784-4591; science@unr.edu
Feb 11, 2013	UNR Geological Sciences Seminar Series – Mondays 4:00 PM
	DMS 103; http://crack.seismo.unr.edu/geosci/
F.I. 44, 0040	Ed Garnero, Arizona State University
Feb 11, 2013	Northern Nevada Section SME Monthly Dinner Meeting
	Carl Brechtel – CEO, Corvus Gold Inc. "North Bullfrog Project"
	Circus-Circus Mandalay Room, Happy Hour 6:00, Dinner 6:45, Talk 7:30
Fab 15 2012	RSVP by Wed Feb 6; 775-682-7379; dlightwood@unr.edu
Feb 15, 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 Feb 14: Laura Ruud (775) 323-3500, gsn@gsnv.org
Feb 25, 2013	UNR Geological Sciences Seminar Series – Mondays 4:00 PM
1 60 23, 2013	DMS 103; http://crack.seismo.unr.edu/geosci/
	Rich Wanty, USGS
Mar 5, 2013	19th Annual 3D Seismic Symposium – March 5, 2013
War 0, 2010	Making Sound Decisions
	Presented by The Denver Geophysical Society & The Rocky Mountain
	Association of Geologists
	Denver, CO – Downtown Sheraton Hotel
	www.3dseismicsymposium.com
Mar 7, 2013	NPGS Monthly Dinner Meeting – Thursday Mar 7, 6:30 PM
	Ramada Reno Hotel, 1000 E 6 th St, Reno, NV
	Speaker: Vincent Ramirez, Hangtown Oil LLC, Carson City, NV 89703
	Title: Empire "Paradise 2-12" oil discovery in western Nye County: why so
	much Miocene structural compression?
Mar 11, 2013	UNR Geological Sciences Seminar Series – Mondays 4:00 PM
	DMS 103; http://crack.seismo.unr.edu/geosci/
	Briana Johnson MS talk, and Amie Lamb MS talk
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/oilgas/oil_
	<u>and gas leasing.html</u>

Mar 21, 2013	NPGS Google Earth Technical Workshop 8:00 AM – 1 Day Great Basin Science Sample and Records Library, Reno, NV 20 seats available; \$50 NPGS members, \$70 non-members reservations: jsnow1@sbcglobal.net
Apr 4, 2013	NPGS Monthly Dinner Meeting – Thursday Apr 4, 6:30 PM Ramada Reno Hotel, 1000 E 6 th St, Reno, NV Speakers: Jim Trexler, Professor, Geological Sciences, UNR, Reno NV and Don French, Geologist, Billings MT Topic: Distribution & lithology of the Mississippian Chainman shale
Apr 4, 2013	UNR College of Science – Discover Science Lecture Series Dr. Steven Strogatz Information: 775-784-4591; science@unr.edu
Apr 12-13, 2013	UNLV 8 th Annual GEOSYMPOSIUM 2013 – Las Vegas, NV Email <u>jayakody@unlv.nevada.edu</u> ; (702) 895-4633 http://geoscience.unlv.edu/geosymposium
Apr 19-25, 2013	Pacific Section AAPGS/SPE/PSSEPM Conference Monterey, CA Apr 19-25, 2013: Portola Hotel & Spa Energy & the Environment – Working Together for the Future 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 Speaker: Sean P. Long, Research Professor, NBMG, UNR Topic: Mid-Tertiary Unconformity, implications of the structure of Railroad Valley and the surrounding region
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 62 nd Annual Meeting – Sep 22-24, 2013 Utah Geological Association hosting at the Hilton Salt Lake City Center "Energy Elevated" Call for papers, deadline for abstracts Mar 29. www.rmsaapg2013.com
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.nbmg.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 .