

# 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.nbmq.unr.edu/nps/>

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## Dinner Meeting: Thursday Oct 4, 2014

**Speaker:** Donna M. Herring  
Petroglyph Consulting, Granville, OH

**Topic:** Structural re-interpretation of the Confusion Range "synclinoria" in western Utah leads to multiple new exploration targets in the Western Utah Thrust Belt

**Place:** Ramada Reno Hotel  
1000 East 6<sup>th</sup> Street, Reno, Nevada

**Cocktail Reception 6:30; Skyline Room, 14<sup>th</sup> Floor**

**Dinner Served at 7:00 PM**

#### **Dinner Costs:**

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

RSVP with the following link to make reservations for the Oct 2 dinner Presentation.

[https://docs.google.com/forms/d/16L9wSj-pj5fh-B1xHkWelZwc6ez5tNYXdxospU3\\_O6A/viewform](https://docs.google.com/forms/d/16L9wSj-pj5fh-B1xHkWelZwc6ez5tNYXdxospU3_O6A/viewform)

Keep in mind that NPGS is charged for every meal that is reserved.

**SEE CALENDAR Page 17 for upcoming meetings**

► **NPGS Monthly Dinner Meeting – Oct 2, 2014**

**NEVADA PETROLEUM AND GEOTHERMAL SOCIETY  
THURSDAY, OCT 2 DINNER MEETING**

Structural re-interpretation of the Confusion Range "synclinoria" in western Utah leads to multiple new exploration targets in the Western Utah Thrust Belt

*Donna M. Herring, Petroglyph Consulting*

The newly-recognized Western Utah Fold Belt provides significant opportunity for conventional petroleum exploration at moderate depths in an under-drilled frontier area. The northern Confusion Range, Snake Valley to the west, and Tule Valley to the east, in Millard County, Utah are expected to contain hydrocarbons in several trap configurations. Production targets analogous to both the existing Basin and Range fields of Nevada and to Utah Hingeline fields discovered only in the last decade are likely. Previous drilling targets over more than 50 years of exploration included surface anticlines and buried horsts, and about half of the seven wells drilled in the area had oil and/or gas shows. Conventional targets include classic Basin and Range horst accumulations trapped beneath valley fill, sub-thrust and roll-over traps beneath mountainous exposures, and subthrust/rollover traps beneath valley fill. The Mississippian and Devonian source rocks are well-studied in the literature, >1,000 m thick, average 2-3% TOC (up to 13%), and are not spent or over mature. The most promising reservoir rocks are massive Devonian carbonates in thrust/subthrust positions in the Confusion Range, and these carbonates plus Tertiary volcanics are potential targets below valley fill. Published basin burial modeling indicates oil generation from the Mississippian-Devonian source rocks prior to and contemporaneous with development of the folds and thrusts, as well as during Basin and Range structural development. Chemical remnant magnetization studies of prior workers show migration of hydrocarbons through the area both in the early stages of folding and post-folding/thrust emplacement. In short, preserved thrust structures could have been filled post-folding, pre-Basin and Range, and could also be filling now from the hydrocarbon kitchen in Snake Valley.

► **About the Speaker:**

Donna M. Herring, principal in Petroglyph Consulting, has been exploring the Great Basin since graduating with her master's from the University of Cincinnati and joining Marathon Oil in Casper, Wyoming in 1983. She led the discovery of Kate Spring Field in Nye County, Nevada, and is a past president of the Nevada Petroleum & Geothermal Society.

► **NEW NPGS Officers 2014-2015 (Jun 1, 2014-May31, 2015):**

Steve Foster has retired as the NPGS Treasurer, after serving for 10 years. We appreciate the work Steve has done for the NPGS, and sincerely hope he continues to be involved in the activities of the Society.

The Board has found a replacement for the remainder of Steve's term. Tom Gallagher, Hydrologic Engineer and Manager at Nevada Water Solutions, LLC in Reno has agreed to step in. Many thanks to Steve for all of his efforts during this transition.

<b>President</b>	<b>Judy Kareck, Engineer, Lumos &amp; Associates</b>
<b>Vice President/President-Elect</b>	<b>John Snow, Chief Operating Officer, Standard Steam</b>
<b>Secretary</b>	<b>Jerry Walker, Geologist</b>
<b>Treasurer</b>	<b>Thomas K Gallagher, PE * Replaces Steve Foster</b>
<b>Past-President</b>	<b>Bill Ehni, Geologist, Ehni Enterprises, Inc.</b>

► **NBMG SAMPLING RULES – Sep 1, 2014:**

**RULES FOR SAMPLING OIL AND GAS OR GEOTHERMAL WELL CUTTINGS  
FROM NEVADA BUREAU OF MINES AND GEOLOGY COLLECTIONS  
FOR THE PURPOSE OF DESTRUCTIVE ANALYSIS (updated 1 September 2014)**

The period of confidentiality for sampling results has changed from five years to two years, effective September 1, 2014. This change was approved by the Administrator of the Nevada Division of Minerals.

The removal of any portion of cuttings or other NBMG samples from the GBSSRL premises requires a pre-approved, signed sampling agreement.

Copies of all data, including chemical, organic maturation, paleontological, palynological, and other tests, must be supplied to the NBMG within 6 months of sampling.

Due to the expense and the confidential nature of these data, NBMG will hold all data confidential for two years from the date of sampling, unless the company agrees to release the data earlier. Upon request by the company to NDOM, the Administrator may grant an extension of the period of confidentiality. If the company does not request a new extension, the data will be released on the previously agreed-upon date.

The preservation of the usefulness of the library is dependent upon observing all rules and using the samples in a responsible, professional manner. Thank you for your cooperation.

If you have any questions, please contact David Davis at Nevada Bureau of Mines and Geology: phone 775-682-8767, [ddavis@unr.edu](mailto:ddavis@unr.edu)

► **From the Program for the 2014 RMS-AAPG Denver Meeting:**

**Rocky Mountain Landmark Publication Award**

Awardees: **Robert A. Schalla, Independent/Consulting Geologist, and Eric H. Johnson, Independent Consultant, editors of *Oil Fields of the Great Basin*, Nevada Petroleum Society Special Publication, 1994**

The Rocky Mountain Landmark Publication Award recognizes the authors or editors of a book, guidebook or other publication that over the past decade has had exceptional influence on developing new hydrocarbon plays or deeper understanding of fundamental geology within the Rocky Mountain region.

The nomination for this award noted that "We in Nevada refer to the book as the 'Green Bible,' "as Bob and Eric compiled the definitive book on oil exploration and production in the Great Basin ." As Mr. Schalla stated in the publication, the idea of the book came to him while driving from Billings, Montana to Elko, Nevada in a cigar smoke-filled Ford Explorer. This kernel of an idea turned into a landmark publication still used extensively today. As he later explained, the "work compiling and editing a volume on Great Basin oil fields combined his scientific interest in the area with pure fun."

Mr. Schalla, now an independent/consulting geologist in Billings, Montana, had worked previously for OXY USA, Cities Service and Equitable Energy Resources. He has a BS from the University of California-Riverside and a MS from Oregon State University. Mr. Johnson received a BS in Geophysical Engineering from Montana Tech and a MS in Geophysics from the University of Utah. He has been exploring for oil and gas (in his words, "sometimes successfully") for 40 years; first with Union Oil Company (Unocal) and then with Meridian Oil, the BLM, Balcron Division of Equitable Resources and now as an independent consultant in Billings, Montana.

► **From the Program for the 2014 RMS-AAPG Denver Meeting:**

***Stanley Finney's abstract; a new petroleum target in North-Central Nevada***

***Tectonic Erratics - Remarkable Exotic Blocks Emplaced by the Henderson Thrust, Eureka County, Nevada: A New Petroleum Exploration Target in North-Central Nevada***

**Stanley Finney**

**Geological Sciences, California State University-Long Beach, Long Beach, CA, United States**

Throughout north-central Nevada, Cambrian-Devonian, largely siliciclastic strata of the Roberts Mountains allochthon (RMA) overlie an autochthon of coeval largely carbonate strata. In Eureka County, masses of the carbonate strata also form topographic highs above the RMA, and on the east side of the Roberts Mountains they occur along a post-Antler thrust fault that duplicates the RMA. We propose that the Henderson thrust initially developed along the Roberts Mountains thrust and then ramped upwards and eastwards duplicating the RMA. In the process, carbonate blocks were plucked from the lower plate of the Roberts Mountains thrust and incorporated and transported in the upper plate of the Henderson thrust. Over large areas, the siliciclastic strata of the RMA in the upper plate of the Henderson thrust has been removed by erosion, but the carbonate blocks carried in the upper plate remain as topographic highs structurally overlying the siliciclastic strata of the RMA in the lower plate of the Henderson thrust. Those forming Lone Mountain and Devils Gate are several kilometers long and up to 300 m thick. They bear an analogy to glacial erratics and are termed tectonic erratics. Along a north-south trending belt in Eureka County, both upper and lower plates of the Henderson thrust dip to the east, and the tectonic erratics occur in the base of the upper plate. We propose that these erratics in the subsurface are potential reservoir rocks for oil fields such as the one at Blackburn, Eureka County.

► **Results BLM Geothermal Lease Sale, Sep 10, 2014:**

Three parcels were offered and one parcel was sold at the September Geothermal Lease Sale. Parcel #3, 40 acres, Sec 18 T22N R35E Churchill County, was sold to Ormat Nevada for a minimum bid of \$2/acre.

The next scheduled geothermal lease sale in Nevada is scheduled for September 16, 2015.

► **Scheduled Nevada BLM Geothermal Lease Sales:**

Sale Date	Nominations Due	Sale Posting Date	Protest Deadline
September 16, 2015	February 6, 2015	June 18, 2015	July 17, 2015

[http://www.blm.gov/nv/st/en/prog/minerals/leasable\\_minerals/geothermal0/ggeothermal\\_leasing.html](http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/ggeothermal_leasing.html)

► **Results BLM Oil & Gas Lease Sale, July 17, 2014:**

A total of 102 parcels were offered and 27 received bids at the July 17 BLM Oil & Gas Lease Sale. All of the parcels were sold for a minimum bid of \$2/acre. American General Energy Expl (Austin TX) bought 26 of the parcels and D Dibiasse (Carmel CA) bought 1. Nine parcels were bought OTC the day following the sale. Seven parcels were taken by American General and two of them were bought by Liberty Petroleum (New York NY).

► **Results BLM Oil & Gas Lease Sale, Sep 9, 2014:**

**Carson City & Winnemucca Districts**

A total of 29 parcels were offered at the Sep 9 Oil & Gas Lease Sale and 7 received bids. Appaloosa Energy (The Woodlands TX) bought four of the parcels and Buena Vista Holdings (Greenwood Vlg CO) bought the other three. High bid/acre was \$5 paid by Appaloosa for parcel #34. No parcels were sold OTC.

**Elko District**

A total of 42 parcels were offered at the Oil & Gas Lease Sale on Sep 9 and two received bids. D Dibiasse (Carmel CA) bought both parcels. Parcel #4 was sold for \$7/acre and parcel #18 was sold for the minimum bid of \$2/acre. Twelve of the parcels were purchased OTC the day after the sale. American General (Austin TX) bought 11 parcels and Liberty Petroleum (New York NY) bought the other parcel.

The next BLM Oil & Gas Lease Sale in Nevada is scheduled for Dec 9, 2014.

► **Scheduled Nevada BLM Oil & Gas Lease Sales:**

***Nevada's Competitive Oil & Gas Lease Sale Schedule  
(Tentative)***

Sale Date	Parcels Offered for District Office at Sale	*EOIs Due	Sale Posting Date	Protest Deadline
December 9, 2014	Ely	March 14, 2014	September 10, 2014	October 10, 2014
March 10, 2015	Elko/Southern Nevada	June 12, 2014	December 10, 2014	January 9, 2015
June 9, 2015	Battle Mountain	September 12, 2014	March 11, 2015	April 10, 2015
September 15, 2015	Winnemucca/Carson City	December 19, 2014	June 17, 2015	July 17, 2015
December 8, 2015	Ely	March 13, 2015	September 9, 2015	October 9, 2015

\*EOI = Expression of Interest

For listings of parcels for the Dec sale, use the following link:

[http://www.blm.gov/nv/st/en/prog/minerals/leasable\\_minerals/oil\\_gas/oil\\_and\\_gas\\_leasing.html](http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html)



**GEOLOGICAL SOCIETY OF NEVADA  
2015 SYMPOSIUM**

**ANNOUNCEMENT and  
CALL FOR PAPERS**

**ABSTRACT DEADLINE EXTENDED**

**THEME: New Concepts and Discoveries**

**WHEN: MAY 14-24, 2015**

**WHERE: JOHN ASCUAGA'S NUGGET  
RENO/SPARKS, NEVADA**

The Geological Society of Nevada invites contributions for oral, poster, and core shack presentations covering a broad range of geological topics for its upcoming seventh symposium. The symposium's focus is New Concepts and Discoveries emphasizing both the major deposit types and the trends that have sustained the mining industry for several decades as well as other deposit types and areas that may eventually have greater influence. The focus of the meeting is to utilize case studies; descriptions of new and reinvigorated deposits and targets; framework geology; tectonics and metallogeny; and the latest deposit concepts and exploration technologies.

Oral presentations require abstracts and a written paper that will be peer-reviewed and published in the Symposium Proceedings following the meeting. Poster presentations require abstracts and written papers are encouraged. Core shack presenters are welcome to submit abstracts and written papers, but are not required to do so.

Draft abstracts up to 500 words should be submitted **no later than October 1, 2014**. Written papers should be 2,000 to 20,000 words and include figures and tables.

Information for contributors is available on-line at: <http://www.gsnv.org/2015-symposium/>. Submit abstracts to John Muntean and Moira Smith via e-mail at: [munteanj@unr.edu](mailto:munteanj@unr.edu) and [msmith@pilotgold.com](mailto:msmith@pilotgold.com).

**GSN-SEG FORUM  
SUNDAY, MAY 17<sup>TH</sup>, 2015**

**TOPIC:**

Carlin-like Gold Deposits: What Can We Learn  
Beyond the Known Trends and Nevada

**TECHNICAL PROGRAM  
MONDAY-THURSDAY  
MAY 18<sup>TH</sup>- 21<sup>ST</sup>, 2015**

**Focus Topics:**

- Regional Geology and Metallogeny of the Great Basin
- Exploration Technology
- Case Histories of Discoveries and Exploration Update
- Intrusion-Related Cu-Au-Mo Deposits
- Northeastern Nevada: The New Frontier
- Advances in Carlin-type Gold Deposits
- Epithermal Deposits
- Diversification: Looking Beyond Gold, Copper and Silver

**Questions? Contact us at:**

<http://www.gsnv.org/2015-symposium/> or email at [mollymhunsaker@2015GSNsymposium.org](mailto:mollymhunsaker@2015GSNsymposium.org)

**Meeting Co-Hosts**



**FIELD TRIPS**

**MAY 14<sup>TH</sup>-16<sup>TH</sup> AND MAY 21<sup>ST</sup>-23<sup>RD</sup>, 2015**

**Pre-meeting:**

- Introduction of Carlin Gold Deposits
- Epithermal Deposits of Northern Nevada
- Mining for Non-Geologists: Exploration to Reclamation

**Post-meeting:**

- The Pequoop Trend-Nevada's Newest "Carlin" Trend
- Epithermal Deposits of Central Nevada
- Porphyry-related Deposits of Nevada
- The Famous Comstock Gold and Silver District

**SHORT COURSES**

**MAY 14<sup>TH</sup>-16<sup>TH</sup> AND MAY 21<sup>ST</sup>-23<sup>RD</sup>, 2015  
TOPICS TO BE ANNOUNCED**

**EXHIBITS**

An active exhibit hall will provide excellent industry exposure for your company or organization. Space will go fast for this popular venue, so **please reserve your booth early!** Contact Elizabeth Zbinden or Mary Stollenwerk at [exhibits@2015GSNsymposium.org](mailto:exhibits@2015GSNsymposium.org) for more information.

**Sponsorship Opportunities**

We invite you to join GSN as we continue the tradition of excellence in presentations, field trips, and short courses. Opportunities are available for Patronage sponsorships, along with specific events. Please visit the website: [www.gsnv.org/symposium](http://www.gsnv.org/symposium) or e-mail Dave Shaddrick at: [dshaddrick@aol.com](mailto:dshaddrick@aol.com)

The **Geological Society of Nevada (GSN)** is a non-profit scientific society whose principal mission is to promote the advancement of the geological sciences, especially as they relate to Nevada. The Society encourages the dissemination of scientific and practical knowledge through semiformal presentations, field trips and symposia as well as by publishing the literature resulting from these activities.

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

*From: Charlotte Stock*

*The following information is taken directly from emails provided by Charlotte Stock, Nevada Bureau of Mines & Geology*

**Stay Informed about NBMG**

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

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

>**Earth Science Week Field Trip—October 11 and 12—Sign Up Now!**

This annual Earth Science Week field trip is hosted by the Nevada Bureau of Mines and Geology.

**Carson Rocks! - A Sesquicentennial Celebration of Some of our Capital City's Geological High Points**

**Click here to sign up:** [http://www.nbgm.unr.edu/ESW/ESW\\_14/index.html](http://www.nbgm.unr.edu/ESW/ESW_14/index.html)

**2014 Earth Science Week Field Trip October 11 or 12, 2014**

National Earth Science Week (ESW) 2014 encourages people everywhere to explore the natural world and learn about the geosciences. The Nevada Bureau of Mines & Geology (NBMG) welcomes you to participate in its seventeenth annual Earth Science Week field trip. In keeping with the National ESW theme, "Earth's Connected Systems," this year's trip will explore geological features in the Carson City area. This year NBMG is partnering with Dr. Winnie Kortemeier of Western Nevada College, who has offered her expertise on interesting geologic sites around Carson City. Also Nevada Division of Minerals geologic staff will participate in the field trip.

The complete field trip guide is available at this site: <http://www.nbgm.unr.edu/dox/e56.pdf>

Field trip participants should meet at 8:00 a.m. in the parking lot of the Nevada Division of Minerals (NDOM) offices at 400 West King Street in Carson City. The field trip will leave from NDOM at 8:30 a.m.

The trip is free and open to the public. Be sure to bring your own water, lunch, sunscreen, hat, first-aid kit, walking stick, gloves, camera, binoculars, bag or bucket for collecting samples, safety glasses if you use a hammer, and a GPS receiver (optional).

The day's activity will involve hiking and climbing around rocks so wear appropriate outdoor clothing and sturdy shoes or hiking boots.

This year's field trip will appeal to people of all ages. Please sign up to attend on either Saturday, Oct 11th, or Sunday, Oct 12th (the same field trip is repeated on two consecutive days). You must sign up online prior to the trip and sign a waiver form. Please print out a paper copy, sign and date, and submit prior to the field trip or bring to the field trip meeting place.

There will be several geologists in attendance to help answer your questions about geology and identify a variety of rocks. There will also be an opportunity to learn more about geocaching and EarthCaching—a high-tech treasure hunting game using GPS devices. If you have a hand-held GPS unit, please bring it.

Questions about the field trip? Call D.D. LaPointe at 682-8772.

For more information about educational activities during Earth Science Week, go to the national Earth Science Week website at: <http://www.earthsciweek.org/>.

>**Open House at GBSSRL – Discover Nevada, Oct 15-16 Details Coming Soon!**

There will be an open house at the Great Basin Science Sample and Records Library, October 15 and 16, 2014, 5:00 to 8:30 p.m. each night: Join experts from the Nevada Bureau of Mines and Geology with lectures, displays, and library tours on the topics of "Nevada Gold" and "Nevada is Earthquake Country."

## >Cart/GIS Receives ESRI Award

Congratulations to the Cart/GIS group of NBMG for receiving a "Special Achievement in GIS" award from the Environmental Systems Research Institute! You can read about this honor in the article below:

**Nevada Bureau of Mines and Geology's Cartography and GIS Lab receive Special Achievement award: Community and campus resource nationally recognized** By Annie Conway (Nevada Today, 9/9/2014) <http://www.unr.edu/nevada-today/news/2014/cartography-and-gis-lab>

Members of the Cart/GIS staff pictured in the article's photo are (left to right) Alexandra Reid, Linda Goar, Gary Johnson, Irene Seelye, Jack Hursh, Katie Ryan, and Jennifer Vican.

## >Two New Geologists Join Cart/GIS—*Rachel Wearne and Katie Ryan*

NBMG welcomes two new cartographers, Rachel Wearne and Katie Ryan, to its Cartographic/GIS group. Both positions are funded entirely on grants and contracts. The Cartography and GIS lab is a specialty group within NBMG. They are a campus and community resource that specializes in producing geologic maps and other publications, as well as data management. They primarily work on NBMG projects, but are available for projects from other departments at UNR, other universities and state agencies, and industry.

**Rachel Wearne** is a newly hired Cartographic/Graphics Technician III and joins NBMG on September 15, 2014. Rachel received her Bachelor of Science in Geology from the University of Nevada, Reno in May of 2010. She began working for the Nevada Division of Minerals as a Geologist and GIS Specialist on the Abandoned Mine Lands program shortly before graduation. She has spent the past four years assisting in inventorying and securing abandoned mine land features throughout the state, planning for field work with contractors, staff, and summer interns, and working towards maximizing field data collection methods. Rachel has been very active in the Nevada Mining Association's Education Committee and has taught classes at teacher workshops in both Las Vegas and Reno since April of 2011. She has taught sessions on rocks and minerals in many elementary school classrooms in the Reno/Carson City area. She enjoys educating the public about geology and earth processes, looking at and creating maps, and spending time outdoors.

**Katie Ryan** was hired as a Cartographic/Graphics Technician I on July 1, 2014. Katie received her Bachelor of Science in Geology at the University of Nevada, Reno in 2010. Katie worked as a Jr. Exploration Geologist out of Elko, Nevada. After her graduation from the University, she worked in areas such as Long Canyon in the eastern Pequop Mountains, Northumberland Mine in the Toquima Range, Stevens Basin in Eureka County, and Cortez Hills Mine at Horse Canyon. Upon returning to Reno in 2011, Katie began working with the cartography group at the Bureau on a temporary basis. Along with processing samples in the Mineral Separates Lab, and working on a few short geothermal exploration drill programs, she has since helped to produce a compilation of all of the digital geologic maps of Nevada to the OneGeology Portal ([onegeology.org](http://onegeology.org)), helped to create interactive geologic and geothermal maps from previously published data, and currently helps to maintain server data and geothermal data produced by Nevada and other states.

## >Job Announcement from Utah Geological Survey

Listed below is a job announcement that is available on the State Jobs 2.0 system. Go to <https://statejobs.utah.gov/> to view and apply for this and other state positions.

PROJECT GEOLOGIST (SEISMIC HAZARDS GEOLOGIST/PALEOSEISMOLOGIST):

This is a full-time, career service position, located in Salt Lake City, Utah. Replacing Chris DuRoss who resigned. Requisition #02264.

**CLOSES: 10/06/2014. \*\*\*THIS IS A PUBLIC RECRUITMENT\*\*\*** To view and/or apply for this job announcement, go to <http://statejobs.utah.gov/jobseeker/>, click on Job Search, then Job Listings. If you have any questions regarding this announcement, please call the Human Resource Office [801-538-7425](tel:801-538-7425).

## >Job Announcement from BLM

**Message from BLM:** We are pleased to announce a new, exciting position available at BLM - BUREAU OF LAND MANAGEMENT. It is our hope that qualified, career oriented individuals at your organization or other professionals known to you will actively consider this position and apply accordingly. Efforts on your part to disseminate this information are greatly appreciated.

### **Position Information:**

Job Description: **Natural Resource Specialist (GIS)**; Announcement Number: MT-DEU-2014-0081;  
Location(s) of position: Miles City, MT, US; Salary: \$47,923 - \$75,376;  
Applications will be accepted until: **10/03/2014**.

For additional information on this job posting, please go

to: <https://jobs.mgsapps.monster.com/blm/vacancy/viewVacancyDetail!execute.hms?orgId=3&jnum=110665>

## >Department of Geological Sciences and Engineering Fall Seminar Series

This lecture series is sponsored by the Department of Geological Sciences and Engineering, College of Science, Mackay School of Earth Sciences and Engineering at the University of Nevada, Reno.

Unless otherwise noted below, these lectures are held on Mondays from 4:00 to 5:15 p.m. in [Davidson Math and Science Center](#) (DMS) 105.

If you have any questions, you may contact Dr. Stacia Gordon: phone (775) 784-6476: [staciag@unr.edu](mailto:staciag@unr.edu)

10/06/2014 - TBA

10/13/2014 - Professor Ze'ev Ronen, Professor, Ben Gurion University

10/20/2014 - GSA

10/27/2014 - TBA

11/03/2014 - Ken Adams, DRI

11/10/2014 - Macario Rocha-Rocha, UNR, PhD student

11/17/2014 - Danielle Molisee, UNR, MS student

11/24/2014 - Thanksgiving week

12/01/2014 - TBA

12/08/2014 - TBA

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.nbmgs.unr.edu](#)

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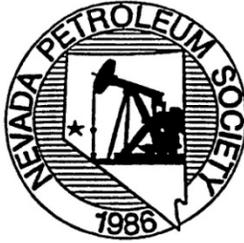


## Submit your abstract for ACE 2015 in Denver

Earn recognition and increase the exposure for you, your company or your institution by presenting your ideas, research, theories, case studies and concepts at the AAPG 2015 Annual Convention and Exhibition (ACE) to be held 31 May–3 June 2015 at the Colorado Convention Center.

Your expert contribution and practical guidance will help promote and advance the exploration and production of global energy resources. Industry professionals, academics and students are invited to submit abstracts that relate to any of the listed topics. Oral, poster and core poster sessions will be determined by actual submissions.

Industry professionals and students are invited to submit abstracts that relate to any of the topics listed below. You can view all themes and subcategories online. Abstract submission deadline is 2 October 2014.



# 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

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# Nevada Petroleum and Geothermal Society

## Publication Price List - October 2013



<b>Paper</b>	<b>CD-ROM</b>	<b>Download from Dropbox</b>	<b>Title</b>
<b>SPECIAL VOLUMES</b>			
NPS1 n/a	<b>NPS1c</b> \$80.00	<b>NPS1y</b> \$65.00	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.
NPS2 n/a	n/a	n/a	Membership Directory (only available free on the Web at <a href="http://www.nbmng.unr.edu/nps/membershipdir.htm">http://www.nbmng.unr.edu/nps/membershipdir.htm</a> )
<b>NPS15</b> <del>\$20.00</del> \$5.00	n/a	n/a	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 for discounted price of \$5.00
NPS21 n/a	<b>NPS21c</b> \$35.00	<b>NPS21y</b> \$20.00	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, 54 p., 45 illustrations
<b>FIELD TRIP GUIDEBOOKS</b>			
NPS3 n/a	<b>NPS3c</b> \$35.00	<b>NPS3y</b> \$20.00	Oil Fields, Production Facilities and Reservoir Rocks of Northern Nye Co, Nevada (1989) compiled by W.J. Ehni and D.M. Evans, 8 abstracts and papers, 30 p.
<b>NPS4</b> \$15.00	<b>NPS4c</b> \$35.00	<b>NPS4y</b> \$20.00	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)
NPS5 n/a	<b>NPS5c</b> \$35.00	<b>NPS5y</b> \$20.00	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.
<b>NPS6</b> \$25.00	<b>NPS6c</b> \$40.00	<b>NPS6y</b> \$25.00	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.
<b>NPS7</b> \$33.00	<b>NPS7c</b> \$48.00	<b>NPS7y</b> \$33.00	Structural and Stratigraphic Relationships of Devonian Reservoir Rocks, East Central Nevada (1993), C.W. Gillespie, editor, 15 papers, 3 plates, 203 p.
NPS8 n/a	<b>NPS8c</b> \$40.00	<b>NPS8y</b> \$25.00	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.
NPS9 n/a	<b>NPS9c</b> \$55.00	<b>NPS9y</b> \$40.00	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.

<b>Paper</b>	<b>CD-ROM</b>	<b>Download from Dropbox</b>	<b>Title</b>
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<b>NPS10</b> \$25.00	<b>NPS10c</b> \$40.00	<b>NPS10y</b> \$25.00	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.
<b>NPS11</b> \$25.00	<b>NPS11c</b> \$40.00	<b>NPS11y</b> \$25.00	Cenozoic Structure and Stratigraphy of Central Nevada (1996) W.J. Taylor and H. Langrock, editors, 11 papers, 122 p.
<b>NPS12</b> \$25.00	<b>NPS12c</b> \$40.00	<b>NPS12y</b> \$25.00	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.
NPS13 n/a	<b>NPS13c</b> \$40.00	<b>NPS13y</b> \$25.00	Hydrocarbon Habitat & Special Geologic Problems of the Great Basin (1998) D.E. French and R.A. Schalla, editors and co-chair
<b>NPS14</b> \$35.00	<b>NPS14c</b> \$50.00	<b>NPS14y</b> \$35.00	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
<b>NPS16</b> \$30.00	<b>NPS16c</b> <b>\$45.00</b>	<b>NPS16y</b> \$30.00	Structure & Stratigraphy of the Eureka, Nevada Area (2001) Marilyn S. Miller and Jerome P. Walker, editors, 108 p., 11 color plates
NPS17 n/a	<b>NPS17c</b> \$50.00	<b>NPS17y</b> \$35.00	Detachment and Attenuation in Eastern Nevada and its Application to Petroleum Exploration (2002) W. Ehni and J. Faulds, editors, 163 p.
<b>NPS18</b> \$25.00	<b>NPS18c</b> \$40.00	<b>NPS18y</b> \$25.00	Oil, Gas, and Geothermal Occurrences in Northwestern Nevada (2003) S. Foster, editor, 102 p.
NPS19 n/a	<b>NPS19c</b> \$50.00	<b>NPS19y</b> \$35.00	Megabreccias and Impact Breccias of East Central Nevada (2004) C.W. Gillespie and S. Foster, editors
NPS20 n/a	NPS20c n/a	NPS20y n/a	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, <b>free on Web at <a href="http://pubs.usgs.gov/of/2004/1078/">http://pubs.usgs.gov/of/2004/1078/</a></b> )
NPS22 n/a	<b>NPS22c</b> \$40.00	<b>NPS22y</b> \$25.00	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.
<b>NPS23</b> \$25.00	<b>NPS23c</b> \$40.00	<b>NPS23y</b> \$25.00	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
<b>NPS24</b> \$30.00	<b>NPS24c</b> \$45.00	<b>NPS24y</b> \$30.00	Geothermal and Petroleum Developments in Several Extensional Basins of the Central Walker Lane, Nevada (2013) L.J. Garside, editor, 11 papers, 131 p.

These publications are only available from the Nevada Bureau of Mines and Geology (NBMG). If a publication is out of print or unavailable, it is marked "n/a" (not available). **Please check with us for the most current prices.** Thanks.

**NBMG contact information:**

Phone: (775) 682-8766

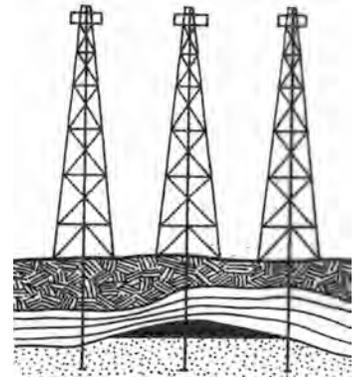
Fax: (775) 784-6690

Web: <http://www.nbmг.unr.edu>

Web: <http://www.nbmг.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

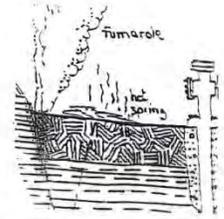
Assessment of undiscovered oil and gas resources of the Eastern Great Basin Province, 2005, Fact Sheet  
**FS-2005-3053, free at <http://pubs.usgs.gov/fs/2005/3053/>**  
**Basin and Range Carbonate Aquifer System Study:**  
<http://nevada.usgs.gov/barcass/data.htm>

Ordering information for Nevada Bureau of Mines and Geology

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# Geothermal resources in Nevada



## Geothermal information page on the NBMG website

<http://www.nbmng.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.nbmng.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.nbmng.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 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.nbmj.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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[www.nbmj.unr.edu](http://www.nbmj.unr.edu)

<b>Nevada Petroleum and Geothermal Society Calendar: Year 2014-2015</b>	
Oct 2, 2014	<p><b>NPGS Monthly Dinner Meeting</b> – Thursday Oct 2, 6:30 PM                      Ramada Reno Hotel, 1000 E 6<sup>th</sup> St, Reno, NV  <i>Speaker: Donna M Herring, Geologist, Petroglyph Consulting Granville OH</i>  <i>Topic: Structural re-interpretation of the Confusion Range "synclinoria" in western Utah leads to multiple new petroleum exploration targets in the Western Utah Thrust Belt</i>                      See Page 1 for Details</p>
Nov 6, 2014	<p><b>NPGS Monthly Dinner Meeting</b> – Thursday Nov 6, 6:30 PM                      Ramada Reno Hotel, 1000 E 6<sup>th</sup> St, Reno, NV  <i>Speaker: TBA</i></p>
Dec 1-5, 2014	<p><b>American Exploration &amp; Mining Assoc – 120<sup>th</sup> Annual Meeting</b>                      J A Nugget Casino Resort, Sparks, NV                      Miningamerica.org (509) 624-1158</p>
Dec 6, 2014	<p><b>NPGS Annual Christmas Dinner</b> – Friday Dec 6 , 6:30 PM                      Ramada Reno Hotel, 1000 E 6<sup>th</sup> St, Reno, NV  <i>Details TBA</i></p>
Dec 9, 2014	<p><b>Nevada BLM Oil &amp; Gas Lease Sale, Reno NV</b>  <b>Ely NV District, posting date: Sep 10, 2014</b>  <a href="http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html">http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html</a></p>
Jan 8, 2015	<p><b>NPGS Monthly Dinner Meeting</b> – Thursday Jan 8, 6:30 PM  <i>Speaker: Dr. Wanda Taylor, UNLV Professor</i></p>
Feb 5, 2015	<p><b>NPGS Monthly Dinner Meeting</b> – Thursday Feb 5, 6:30 PM  <i>Speaker: Dr. David Boden</i>  <i>Topic: Iceland Trip - Sustainability</i></p>
Mar 5, 2015	<p><b>NPGS Monthly Dinner Meeting</b> – Thursday Mar 5, 6:30 PM  <i>Speaker: Dr. John Louie</i>  <i>Topic: Advanced Seismic Imaging of Geothermal Reservoirs in Nevada – Is there a Geothermal Seismic Signature?</i></p>
Apr 2, 2015	<p><b>NPGS Monthly Dinner Meeting</b> – Thursday Apr 2, 6:30 PM  <i>Speaker: Sean Long</i>  <i>Possible Topic: A Valley and Ridge in the Basin and Range</i></p>

May 7, 2015	<b>NPGS Monthly Dinner Meeting – Thursday May 7, 6:30 PM</b> <i>Speaker: Ben Delwiche – Ormat Nevada</i> <i>Topic: McGuinness Hills Project</i>
May 14-24, 2015	<b>GSN Symposium 2015</b> <b>John Ascuaga's Nugget Hotel and Casino in Sparks, Nevada</b> <a href="http://www.nbmng.unr.edu/docs/GSN_2015_Symposium.pdf">http://www.nbmng.unr.edu/docs/GSN_2015_Symposium.pdf</a>
May 31-Jun 3, 2015	<b>AAPG Annual Convention and Exhibition 2015</b> <b>Denver, CO</b> <a href="http://www.aapg.org">www.aapg.org</a>
<b>Oct 2-5, 2016</b>	<b>Rocky Mountain Section/Pacific Section Meeting – AAPG 2016</b> 2016 joint RMS-AAPG/PS-AAPG annual meeting Paris Hotel, Las Vegas, Nevada. Host societies: Idaho Association of Professional Geologists and the Nevada Petroleum & Geothermal Society.

The NPGS 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.nbmng.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](mailto:vehni@aol.com).

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