

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/

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

Vice President/Pres Elect
Judy Kareck
Engineer
Lumos & Associates
9222 Prototype Drive
Reno, Nevada 89521
775-827-6111
ikareck@lumosengineering.com

Secretary
Jerry Walker
Geologist
1455 Shewmaker Ct.
Reno, NV 89509
775-348-0650
Jerry_reno@charter.net

<u>Treasurer</u>
Steve Foster
Geophysicist/Geologist
886 Marsh Ave.
Reno, NV 89509
775-329-4123
sfostermammoth@gmail.com

Past President
John Snow
Chief Operating Officer
Standard Steam
14075 Saddlebow Dr.
Reno, Nevada 89511
(775) 336-8067 (O)
(775) 853-3485 (H)
jsnow@standardsteamtrust.com

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, Sep 5, 2013

Speaker: Dr. Richard Allis

Director, Utah Geological Survey

Title: Our Transforming Energy Sector - a Utah

Perspective on Trends and Changes

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: dinner salad, tri-tip and tortilla encrusted tilapia, fried rice with mixed veggies, dessert

**NEW NPGS RSVP FORMAT!

Please RSVP for the Sep 5 Monthly Dinner Meeting by clicking on the following link:

https://docs.google.com/forms/d/1NNJzrjvEADFxSVqcALIcQgyytWaFtiLmDyPymL7bmo/viewform

SEE CALENDAR Pages 24-25 for upcoming meetings

► NPGS Monthly Dinner Meeting – Sep 5, 2013

Speaker: Dr. Rick Allis

Abstract: Our transforming energy sector - a Utah perspective on trends and changes

The changes occurring in Utah's energy industries mimic many of the recent national trends in energy substitution. Oil production has doubled during the last 10 years, and at present rates will reach Utah's historic peak oil production in about 10 more years. Natural gas production is at record levels, but coal production has declined to levels last seen 25 years ago as new electricity generation is gas-fired. Declining petroleum consumption since 2005 and substitution of coal for gas in electricity generation has caused state CO₂ emissions to decline to levels last reached during the late 1990s. Renewable electricity generation has increased to 6% of Utah's total generation due mainly to new wind and geothermal plants. This talk will speculate on future trends, and will address the issues and possibilities of nuclear power, oil shale development, carbon sequestration, geothermal power from hot basins, and development constraints due to limited water availability.

► About the Speaker – Dr. Rick Allis

Rick Allis has been Director of the Utah Geological Survey for 13 years. He was Research Professor at the Energy and Geoscience Institute, University of Utah, between 1997 and 2000, and prior to that worked for GNS Science and its predecessor organizations in New Zealand. He has broad interests in energy resources, and has specialized in in geothermal energy. He has a PhD from University of Toronto.

► Cocktail Reception, Sep 5, Hosted by Boart Longyear:



THE NEVADA DRILLING EXPERTS 605 Union Pacific Way Elko, NV 89801

Contact: Darrell Tweidt 775-397-0963

► NPGS Officers Elected 2013-2014 (Jun 1 – May 31):

President Vice President/President-Elect Secretary Treasurer Bill Ehni, Geologist, Ehni Enterprises, Inc. Judy Kareck, Engineer, Lumos & Associates Jerry Walker, Geologist Steve Foster, Geophysicist/Geologist

► NPGS FIELD TRIP Oct 12-13, 2013 – Preliminary Announcement:

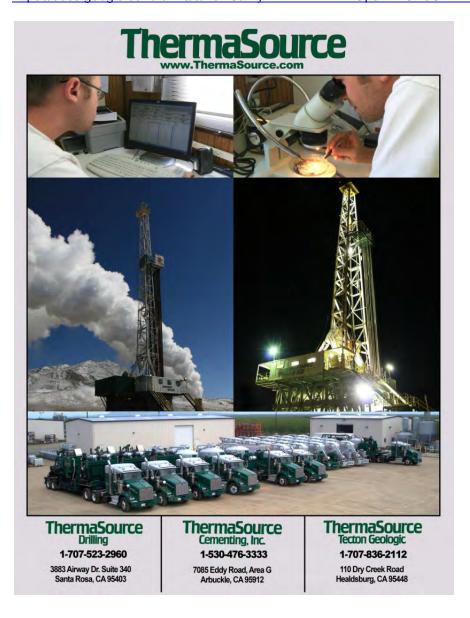
Geothermal and Petroleum Developments in Several Extensional Basins of the Central Walker Lane, Nevada

Chairman: Larry Garside, Mail Stop 0178, Nevada Bureau of Mines and Geology, University of Nevada Reno, Reno, NV 89557-0178. email: lgarside@unr.edu, telephone: (775) 784-6693.

Trip Dates: October 12-13, 2013 – Saturday and Sunday (See flyer in this newsletter)

RSVP by clicking on the following link:

https://docs.google.com/forms/d/1eM3aFfyVHK-mX4AwIBOpskPNOVeG71YNEOSUGZCBRH0/viewform



Field Trip SOCIAL MIXER

Saturday evening October 12

El Capitan Lodge Hawthorne, NV

HOSTED by: ThermaSource

▶ WELCOME NEW NPGS MEMBERS:

Alpha Analytical	Reno, NV
Boart Longyear	Elko, NV
United Wire Line Services	Woodland, CA
NV Division of Minerals	Carson City, NV
NV Seismology Lab – UNR	Reno, NV
B & L Casing	Rio Vista, CA
Alpha Analytical	Reno, NV
B & L Oil Field Steam	Rio Vista, CA
Churchill County	Fallon, NV
Baker Hughes	Woodland, CA
	Reno, NV
Geothermal Solutions, Inc	Palm Desert, CA
Geologica, Inc	Reno, NV
Noble Energy	Denver, CO
Boart Longyear	Elko, NV
	Boart Longyear United Wire Line Services NV Division of Minerals NV Seismology Lab – UNR B & L Casing Alpha Analytical B & L Oil Field Steam Churchill County Baker Hughes Geothermal Solutions, Inc Geologica, Inc Noble Energy

► Next Nevada BLM Geothermal Lease Sale; Nov 19, 2013:

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

▶ BLM Oil & Gas Lease Sale – Jun 11, 2013 Results:

Forty parcels were offered at the June 2013 Reno BLM lease sale. Thirty three received bids for total receipts of \$862,183. The high bid of \$200,000 was for parcel #36 (T9N R57E) by The Blanco Co (NM) 7 parcels. This parcel also received the highest bid/acre of \$125. Other buyers at the sale were Kirkwood Oil & Gas (WY) 19 parcels, D Dibiase (CA) 3 parcels, Charter Post (NV) 1 parcel, Western States Minerals (CO) 1 parcel, W Cochran (TX) 1 parcel, Liberty Petroleum (NY) 1 parcel. Six parcels were picked up OTC the day after the sale by The Blanco Co, S Bruner (NV), W Wax (KS), and J Myrick (TX). The results, notice, list of parcels, and shape files are available for this sale at the following link: http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html

► <u>Scheduled BLM Oil & Gas Lease Sales:</u>

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
June 11, 2013	Battle Mountain	September 14, 2012	March 13, 2013	April 12, 2013
December 10, 2013	Ely	March 15, 2013	September 11, 2013	October 11, 2013
March 11, 2014	Elko/Southern Nevada	June 13, 2013	December 11, 2013	January 10, 2014
June 10, 2014	Battle Mountain	September 13, 2013	March 12, 2014	April 11, 2014
September 9, 2014	Winnemucca/Carson City	December 13, 2013	June 11, 2014	July 11, 2014
December 9, 2014	Ely	March 14, 2014	September 10, 2014	October 10, 2014

^{*}EOI = Expression of Interest

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

► Sep-Dec 2013 Oil & Gas Lease Sale Schedule:

Sep 04 Montana (State)Nov 05 North Dakota (State)Sep 10 Nevada (BLM)Nov 05 Wyoming (BLM)Sep 11 California (BLM)Nov 06 Wyoming (State)Sep 12 Eastern States (BLM)Nov 06 Oklahoma (State)Sep 17 New Mexico (State)Nov 14 Colorado (BLM)Sep 18 Oklahoma (State)Nov 19 New Mexico (State)

Nov 19 Utah (BLM)

Oct 15 New Mexico (State)
Oct 16 New Mexico (BLM)
Nov 21 Colorado (State)

Oct 22 Montana (BLM)
Oct 28 Utah (State)
Dec 03 Montana (State)
Dec 10 Nevada (BLM)

Dec 11 California (BLM)
Dec 12 Eastern States (BLM)
Dec 17 New Mexico (State)

► GRC – 37th Annual Meeting & GEA Expo – Sep 29-Oct 2, 2013:

MGM Grand Hotel, Las Vegas, NV; www.geothermal.org/meet-new.html

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

"Energy Elevated" Hilton Salt Lake City Center www.rmsaapg2013.com

The Utah Geological Association is set to host the 62nd Annual Meeting of the Rocky Mountain Section of the American Association of Petroleum Geologists. The meeting will be located in beautiful downtown Salt Lake City at the Hilton Salt Lake City Center. Abstract submittal is now closed. Information: http://www.rmsaapg2013.com/#.UYGXOseMloQ.email

Final Announcement: http://rmsaapg2013.com/images/documents/4-13-rms-aapg%20announcment%20v1n-INTERACTIVE.pdf

► NPGS Welcomes Gold Level Sponsors:

NPGS extends a thank you to the following Gold Level Sponsors:

Barbour Well, Inc.

Lumos and Associates, Inc.

Ram Power Corp.

Boart Longyear

Eagle Exploration

Summit Mudlogging

See their full page company descriptions in this and/or upcoming newsletters.

PRELIMINARY FIELD TRIP ANNOUNCEMENT

Nevada Petroleum and Geothermal Society 2013 Field Trip: Geothermal and Petroleum Developments in Several Extensional Basins of the Central Walker Lane, Nevada

Chairman: Larry Garside, Mail Stop 0178, Nevada Bureau of Mines and Geology, University of Nevada Reno, Reno, NV 89557-0178. email: lgarside@unr.edu, telephone: (775) 784-6693.

Trip Dates: October 12-13, 2013 – Saturday and Sunday

Stops and/or guidebook papers

- Oil exploration in Gabbs Valley and vicinity;
- Oil shows in Gabbs Valley exploration wells;
- Cobble Cuesta anticline—possible modes of formation;
- Bitumen-stained sandstone and conglomerate;
- Geology of Ormat's Wild Rose geothermal field;
- New interpretation of volcanic rocks on Fissure Ridge (Gabbs Valley);
- Geothermal systems of Rhodes, Columbus, and Teels Marshes;
- Gas and oil shows in historic oil wells in nearby valleys (including Columbus Salt Marsh);
- Stratigraphy and source-rock potential of Tertiary sedimentary rocks. Paper shales and coal beds.

The field trip begins and ends in Hawthorne. Day 1 (Saturday) will leave early from Hawthorne. Participants are responsible for their own lodging. Registration fee will include lunches, beverages (water and sodas) and snacks each day, and a trip guidebook. Transportation will be in private vehicles: high-clearance 2-wheel drive vehicles may be suitable, but 4-wheel drive vehicles are preferred. Participants are asked to share gasoline and other vehicle-related expenses with those they carpool with.



Well head at Wild Rose.



Wild Rose Plant under construction.



Pump jack at 2-12 Paradise Unit.

Registration is \$100 per entrant. Registration fee includes lunches, beverages (water and sodas) and snacks each day, and a trip guidebook. Fees will go up after the 15th of September. Please submit your fees to: NPGS, PO Box 11526, Reno, Nevada, 89510, no later than Friday, October 4th, 5:00 p.m. (fees must be received by Friday, so mail your check in by Tuesday, October 1st.). Please mark your check accordingly.

Thank you.

RSVP by clicking on the following link:

 $\underline{https://docs.google.com/forms/d/1eM3aFfyVHK-mX4AwIBOpskPNOVeG71YNEOSUGZCBRH0/viewform}$

Geothermal Resources Council

Annual Meeting and GEA Geothermal Energy Expo

September 29 - October 2, 2013

MGM Grand Hotel, Las Vegas, Nevada • USA



"A Global Resource, from Larderello to Las Vegas



- Company of the Comp

The world's first Geothermal power station was built in 1911 in Larderello, in Southern Tuscarry, Italy. Come celebrate a century of geothermal in Las Vegas, the entertainment capital of the world!

Last year, over 2,000 attendees from 33 different countries gathered for the largest annual meeting of the global geothermal community. This year is shaping up to be bigger and better!

Reserve your airline seats now and save. Direct flights from all over the world.

DEADLINES:

May 3, 2013: Draft Paper submission

Call For Papers

Submission forms and more information can be found at www.geathermal.org/meet-new.html

May 31: Reserve your room today & save over \$60 per night, ends May 31

MGM Grand Resort & Casino - \$89++ The Signature at MGM Grand - \$99++

++Room tax & Resort Fee



WORKSHOPS

The GRC will convene special pre-meeting workshops on a full range of subjects pertaining to geothermal exploration, development, and utilization.

FIELD TRIPS

Several tours of geathermal facilities and geological features in Nevada and Southern California will be offered before and after meeting.

TECHNICAL SESSIONS

Three days of over 190 presentations bringing the latest geathermal research from around the world. Dozens of poster presentations on display throughout the event.

INTERNATIONAL AND STUDENT NETWORKING LUNCHES

Special informational luncheons with presentations and discussions led by glabally known expets in the geathermal industry. Great networking apportunities!

NETWORKING

There are numerous appartunities to meet with your geathermal colleagues. The GRC Annual Banquet is the geathermal social event of the year.

GEA GEOTHERMAL ENERGY EXPO

In 2012, the Expo Hall featured 1 66 exhibitors from 28 different U.S. states and 10 different countries. Entry to the trade show is included with GRC

Annual Meeting registration. Don't miss out – register for a booth today! Male information at: www.geothermatenergy2013.org





Geothermal Resources Council 530,758.2360 www.geothermal.com





► News from Nevada Bureau of Mines & Geology:

From: Charlotte Stock

News from Nevada Bureau of Mines and Geology:

Field Trips

Earth Science Week Field Trip – October 12-13

NPGS Field Trip – October 12-13

Nevada Mineral Exploration Coalition Great Basin Rendezvous – September 27-29

Lectures and Meetings

Utah State Geologist – Dr. Rick Allis – September 5

NPGS meeting – Dr. Rick Allis – September 5

GSN meeting lecture – Greg Dering – September 11

Job Announcements

BLM – Two Job Openings

Montana Bureau of Mines & Geology – Job Opening

Field Trips

Earth Science Week Field Trip – October 12-13, 2013

Title: Mapping the Geology around the Desert Research Institute and Truckee Meadows Community College **Trip leaders:** Jonathan G. Price, D.D. LaPointe, David A. Davis, and Craig M. dePolo (Nevada Bureau of Mines and Geology)

Trip dates: October 12-13, 2013 – Saturday and Sunday (same one-day trip on both days)

Save the date! Sign-up for this field trip for the general public and field trip guide will be coming soon.

Nevada Mineral Exploration Coalition Great Basin Rendezvous – September 27-29, 2013

First Annual Great Basin Rendezvous 2013 – "A year-end gathering of geologists and their friends"

Saturday (September 28) activities include these walking tours:

Lamoille Canyon walk – trip leader: Jon Price, NBMG Emeritus

Tour of East Humboldt detachment terrane – trip leader: Chris Henry, NBMG

Click here for more information:

 $\frac{http://nevadamineral exploration coalition.org/wp-content/uploads/2013/07/GreatBasinRendevous-2nd-Announcement-and-Registration.pdf}{}$

Lectures and Meetings

Utah State Geologist – Dr. Rick Allis – September 5, 2013

Speaker: Dr. Rick Allis, Director of the Utah Geological Survey and State Geologist of Utah

Title: Basin-Centered Stratigraphic Reservoirs – Potential for Large Scale Geothermal Power Generation in the U.S.

When: Thursday September 5, 2013 (2:30 p.m.)

Where: Davidson Mathematics and Science Center, Room 104, on the UNR campus:

http://www.unr.edu/around-campus/maps

GSN Meeting Lecture – Greg Dering – September 11, 2013

Email from Laura Ruud, GSN: "Please join the GSN Winnemucca Chapter for their September meeting.

Location: The Martin Hotel, 94 West Railroad St., Winnemucca, NV

Date: Wednesday the 11th of September

Time: Refreshments at 6:00 pm, Appetizers at 6:30, Talk at 7:00 **Presenter:** Greg Dering, Nevada Bureau of Mines and Geology

Title: Structural Controls of the Tuscarora Geothermal Field, by Greg Dering and Dr. Jim Faulds, Nevada

Bureau of Mines and Geology

Abstract: Detailed geologic mapping, structural analysis, and well data have been integrated to elucidate the stratigraphic framework and structural setting of the Tuscarora geothermal area. Tuscarora is an amagmatic geothermal system that lies in the northern part of the Basin and Range province ~90 km northwest of Elko, Nevada. The geothermal area is dominated by late Eocene to middle Miocene volcanic and sedimentary rocks, all overlying Paleozoic metasedimentary rocks. A geothermal power plant was constructed in 2011 and currently produces 18 MWe from an ~170°C reservoir in argillite and silty limestone. Analysis of drill core reveals that the subsurface geology is dominated to depths of ~700-1000 m by intracaldera deposits of the Eocene Big Cottonwood Canyon caldera, including blocks of basement-derived megabreccia.

Two distinct structural settings at different scales appear to control the geothermal field. The regional structural setting is a 10-km wide complexly faulted left step or relay ramp in the west-dipping range-bounding Independence-Bull Run Mountains normal fault system. Geothermal activity occurs within the step-over where sets of east- and west-dipping normal faults overlap in a northerly trending accommodation zone. The distribution of hot wells and hydrothermal surface features, including boiling springs, fumaroles, and siliceous sinter, indicate that the geothermal system is restricted to the narrow (< 1 km) axial part of the accommodation zone, where permeability is maintained at depth around complex fault intersections. Shallow up-flow appears to be focused along several closely spaced steeply west-dipping north-northeast-striking normal faults within the axial part of the accommodation zone. These faults are favorably oriented for extension and fluid flow under the present-day northwest-trending regional extension direction indicated by previous studies of GPS geodetic data, earthquake focal mechanisms, and kinematic data from late Quaternary faults.

The recognition of the axial part of an accommodation zone as a favorable structural setting for fluid upflow may be a useful exploration tool for developing drill targets in both fossil and active epithermal systems. The presence of several high-temperature systems in northeastern Nevada demonstrates the viability of electrical-grade geothermal activity in this region despite low present-day strain rates as indicated by GPS geodetic data. Geothermal exploration potential in northeastern Nevada may therefore be higher than previously recognized.

Food and drinks are sponsored by Boart Longyear.

Please contact Andy Jansen, andy.jansen@newmont.com or Peter O'Byrne, peter.o'byrne@newmont.com for more information."

Job Announcements

BLM – Two Job Openings

Message from BLM: "We are pleased to announce new, exciting positions 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: Program Support Assistant; Announcement Number: UT-Merit-2013-0064;

Location(s) of position: Cedar City, UT, US;

Salary: \$34,907 - \$45,376;

Applications will be accepted until: 09/11/2013.

For additional information on this job posting, please go to:

https://jobs.mgsapps.monster.com/blm/vacancy/viewVacancyDetail!execute.hms?orgId=3&jnum=108572

Position Information:

Job description: Natural Resource Specialist; Announcement Number: NV Merit-2013-0307;

Location(s) of position: Las Vegas, Nevada;

Salary: \$47,448 - \$74,628;

Applications will be accepted until: 09/11/2013.

For additional information on this job posting, please go to:

https://jobs.mgsapps.monster.com/blm/vacancy/viewVacancyDetail!execute.hms?orgId=3&jnum=108655

Montana Bureau of Mines & Geology – Job Opening

Closing date: Review will begin October 18, 2013 however position will remain open until filled

Employment detail: Permanent, Full-Time

Details at this link:

http://www.mtech.edu/employment/index.htm

See: Current Openings → Academic Faculty/Professional → Assistant or Associate or Senior Research

Geologist

Also available:

Assistant or Associate Professor - Mining Engineering Assistant/Associate Professor- Geophysical Engineering

Ordering information:

You can **place an order** for other publications or check for shipping charges through our shopping cart at http://www.nbmg.unr.edu/Departments/PubSales/PubSales.html

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

Charlotte Stock

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

Nevada Bureau of Mines and Geology

Great Basin Science Sample and Records Library

2175 Raggio Parkway

Reno, NV 89512

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

Directions to office, www.nbmg.unr.edu

Gold Level Sponsorship Bio The NPGS thanks Summit Mudlogging Services for becoming a Gold Level Sponsor!



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Gold Level Sponsorship Bio The NPGS thanks Boart Longyear for becoming a Gold Level Sponsor!



THE NEVADA DRILLING EXPERTS

Boart Longyear has been drilling in Nevada for over 60 years. We employ the safest, most efficent and innovative drillers anywhere in the world and we design and manufacture the most trusted drilling equipment and tooling available.

Experienced in a full range of drilling methods, Boart Longyear delivers maximum productivity through reliable drillers, innovative equipment and a leading safety culture.

For more information contact:

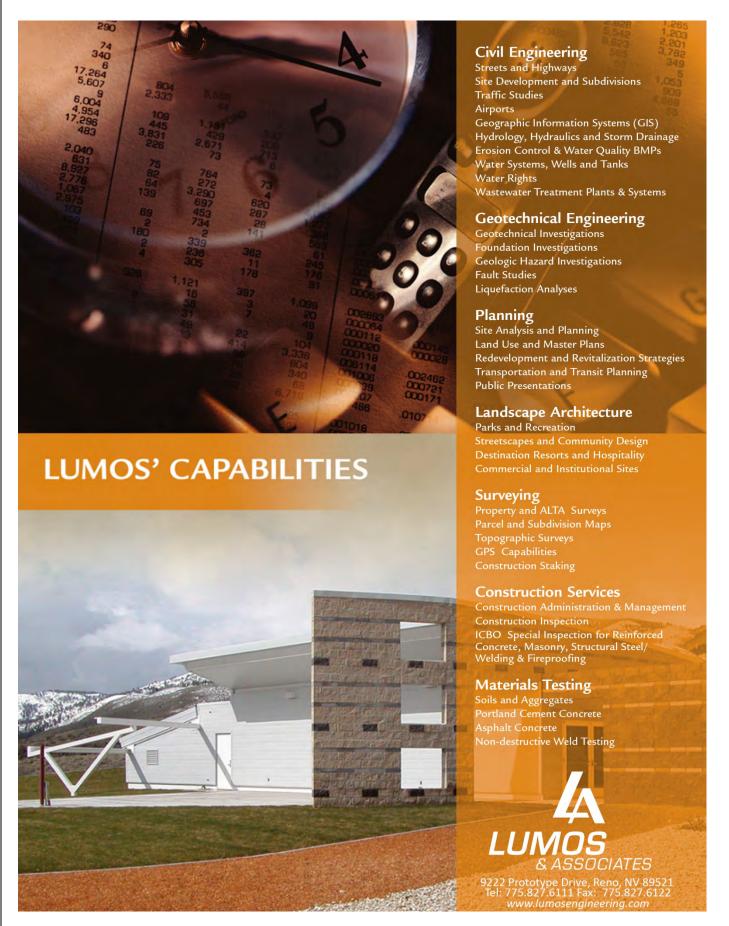
Cody Unger Business Development Manager 605 Union Pacific Way, Elko, NV

Tel: (775) 738-1980 Mobile: (775) 753 3076

www.BoartLongyear.com · ASX: BLY



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 highquality 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



August 2013

RE: Nevada Petroleum and Geothermal Society Sponsorship Request for 2013-14

On behalf of the Nevada Petroleum and Geothermal Society (NPGS) Board of Directors, I invite you and your firm to join our NPGS Sponsorship Drive for the 2013-2014 term.

Annual support for the NPGS from firms active in Nevada is necessary so that this Society can continue to perform our programs, including distribution of research awards to University of Nevada, Reno, University of Nevada, Las Vegas, and other graduate students performing research relevant to the geology of the Great Basin, monthly professional dinner presentations, and community outreach activities such as the Nevada Bureau of Mines'-UNR's Earth Science Week Field Trips.

You and your firm's continual support at any level clearly shows your commitment to our profession. We have three sponsorship levels available this year:

Gold Level Sponsors will receive numerous benefits which allow them to maximize their positions as leaders in our local geological community. As a Gold Level Sponsor, your Company will be prominently displayed on a full page of our monthly newsletter and on our web site (http://www.nbmg.unr.edu/nps/). We will advertise opening positions with your Company at any time that you request during the year. 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. Please also consider developing a short dinner showcase that highlights your firm or is of general interest to the membership. Gold Level Sponsorship costs only \$500 per 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 positions with your Company as requested at any time during the year. Silver Sponsorship costs \$300 per year.

Corporate Sponsorships are flexible. Corporate Sponsors will be able to provide NPGS with any amount of their choosing. Sponsors providing greater than \$500 will receive all the benefits as a Gold Level Sponsor. Sponsors providing less than the Gold Level amount will receive name recognition in both our website and our monthly newsletter.

Please help to sponsor the NPGS by filling out the attached Sponsorship Application Form and telling us where you would like to designate your sponsorship dollars. NPGS is a 501c3 non-profit organization. Contact your tax advisor to determine which portion(s) of your donation is (are) deductible.

We also have opportunities for you and your Company to host the Ramada bar during our dinner meetings. If you would like to host the bar, please contact me prior to one of the meetings at 775-200-5143 to set that up. Or you can provide a donation to our NPGS Scholarship fund which has provided significant assistance to our University of Nevada Mines and Geology students, or even to our General Fund, which helps us to provide you with our informative dinner meetings. Please designate the desired amount(s) on the attached Sponsorship Application.

As always, we welcome your suggestions on how our Society's programs and activities can be improved. More importantly, we welcome the participation of you and your firm's staff at our 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 us. 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. Please contact me at 775-200-5143 or email me at jkareck@lumosengineering if you have any questions or require any additional information.

Judy M. Kareck, P.E., Vice-Chair, Nevada Petroleum and Geothermal Society



NEVADA PETROLEUM AND GEOTHERMAL SOCIETY

2013-2014 Sponsorship Application

Nevada Petroleum and Geothermal Society

P.O. Box 11526 Reno, NV 89510 Minden, Nevada 89423

Minden, Nevada 89423			
Firm/Agency Name:			
Mailing Address:			
Phone Number:			
Fax Number:			
	Sponsor Name	Email Address	
Primary Contact (1)			
Secondary Contact (2)			
Indicate Level of Sponsors	hip Desired:		
(3) GOLD		\$500	
(4) SILVER		\$300	
(5) CORPORATE		\$	Indicate desired amount.
Indicate Where You would	l like to Designate your Sponsorship Dollars:		
A. NPGS - University of Ne	vada Mines and Geology Student Support		
B. NPGS General Support	_		_
Total Amount Designated	will Add up to Total Amount Sponsored	\$	_

Primary and Secondary Contacts represent the individuals who will serve as direct liaison with the NPGS Board of Directors. They will be counted on to distribute information, solicit involvement, and provide feedback as to what they would like to see this Society accomplish. They can also (1) (2) develop leadership skills by participating and volunteering in NPGS functions.

GOLD Level Sponsors receive numerous benefits which allow them to maximize their positions as leaders in our local geological community. As a GOLD Sponsor, your Company logo and business write-up will be prominently displayed in a full page 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. 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 brief dinner showcase that either highlights your firm's expertise or is of general interest to the membership.

(3) GOLD Level Sponsorship costs \$500 for the 2013-2014 year.

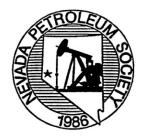
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Notes: Checks written to the Society should be written to: Nevada Petroleum and Geothermal Society and mailed to Steve Foster,
Treasurer, at the above address.

The NPGS is a 501c3 non-profit organization. Contact your tax advisor to determine which portion(s) of your donation is (are) deductible.



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Nevada Petroleum and Geothermal Society Publication Price List 2013



Paper	CD- ROM	Download from Dropbox	Title
			SPECIAL VOLUMES
NPS1 n/a	NPS1c \$80.00	NPS1y \$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 Directoryonly available free on the Web at http://www.nbmg.unr.edu/nps/membershipdir.htm
NPS15 \$20.00 \$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 only for discounted price of \$5.00
NPS21 n/a	NPS21c \$35.00	NPS21y \$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
			FIELD TRIP GUIDEBOOKS
NPS3 n/a	NPS3c \$35.00	NPS3y \$20.00	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.
NPS4 \$15.00	NPS4c \$35.00	NPS4y \$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	NPS5c \$35.00	NPS5y \$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.
NPS6 \$25.00	NPS6c \$40.00	NPS6y \$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.
NPS7 \$33.00	NPS7c \$48.00	NPS7y \$33.00	Structural and Stratigraphic Relationships of Devonian Reservoir Rocks, East Central NV (1993), C.W. Gillespie, editor, 15 papers, 3 plates, 203 p.
NPS8 n/a	NPS8c \$40.00	NPS8y \$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	NPS9c \$55.00	NPS9y \$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.

Paper	CD-RO	M Downlo	ad Title
NPS10 \$25.00	NPS10c \$40.00	NPS10y \$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.
NPS11 \$25.00	NPS11c \$40.00	NPS11y \$25.00	Cenozoic Structure and Stratigraphy of Central Nevada (1996) W.J. Taylor and H. Langrock, editors, 11 papers, 122 p.
NPS12 \$25.00	NPS12c \$40.00	NPS12y \$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	NPS13c \$40.00	NPS13y \$25.00	Hydrocarbon Habitat & Special Geologic Problems of the Great Basin (1998) D.E. French and R.A. Schalla, editors and co-chair
NPS14 \$35.00	NPS14c \$50.00	NPS14y \$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
NPS16 \$30.00	NPS16c \$45.00	NPS16y \$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	NPS17c \$50.00	NPS17y \$35.00	Detachment and Attenuation in Eastern Nevada and its Application to Petroleum Exploration (2002) W. Ehni and J. Faulds, editors, 163 p.
NPS18 \$25.00	NPS18c \$40.00	NPS18y \$25.00	Oil, Gas, and Geothermal Occurrences in Northwestern Nevada (2003) S. Foster, editor, 102 p.
NPS19 n/a	NPS19c \$50.00	NPS19y \$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, free at http://pubs.usgs.gov/of/2004/1078/)
NPS22 n/a	NPS22c \$40.00	NPS22y \$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.
NPS23 \$25.00	NPS23c \$40.00	NPS23y \$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

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.nbmg.unr.edu/nps

Oil and gas resources from NBMG

The following publications are available from the Nevada Bureau of Mines and Geology. NBMG publications that are <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/

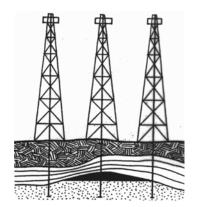
Basin and Range Carbonate Aquifer System Study:

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

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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

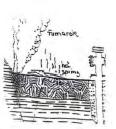
MI-1979 through current year—The Nevada mineral industry is published annually and has a section on geothermal activities, varies with year, MI-1994-current year available free on Internet at http://www.nbmg.unr.edu/ and click on "Online Documents."

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
- O0001 Geologic map of Nevada: Stewart and Carlson, U.S.G.S. (1978) 1:500,000, available rolled only, \$20.00 available free on the Internet at http://keck.library.unr.edu/ and click on "Great Basin geoscience dataset" or at http://www.nbmg.unr.edu/dox/dox.htm, see SP4 for descriptive text

Urban Map Series

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

Nevada Petroleum Society

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

USGS Publications

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

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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 Petrolo	eum and Geothermal Society Calendar: Year 2013-2014
Sep 5, 2013	NPGS Monthly Dinner Meeting – Thursday Sep 5, 6:30 PM
	Ramada Reno Hotel, 1000 E 6 th St, Reno, NV
	Speaker: Richard Allis, Director UGS, Salt Lake City, UT
	Topic: Our Transforming Energy Sector – a Utah Perspective on Trends
	and Changes.
Sep 10, 2013	Nevada BLM Oil & Gas Lease Sale, Reno NV
	CANCELED
	The next Winnemucca and Carson City District lease sale is planned
	for Sep 9, 2014.
Sep 22-24,	AAPG- Rocky Mtn Section 62 nd Annual Meeting – Sep 22-24, 2013
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
Sep 29-Oct 2,	GRC 37 th Annual Meeting & GEA Expo
2013	Sep 29-Oct 2, 3012, MGM Grand Hotel, Las Vegas, NV
	www.geothermal.org/meet-new.html
Oct 3, 2013	NPGS Monthly Dinner Meeting – Thursday Oct 3, 6:30 PM
	Ramada Reno Hotel, 1000 E 6 th St, Reno, NV
	Speakers: Larry Garside & Jerry Walker
	Topic: Discuss Upcoming Field Trip – Walker Lane, NV
Oct 12-13,	NPGS Field Trip
2013	Nevada Petroleum Society 2013 Field Trip: Geothermal and Petroleum
	Developments in Several Extensional Basins of the Central Walker Lane,
	Nevada Chairman: Larry Caraida, Mail Stan 0179, Navada Buragu of Mines and
	Chairman : Larry Garside, Mail Stop 0178, Nevada Bureau of Mines and Geology, University of Nevada Reno, Reno, NV 89557-0178. email:
	lgarside@unr.edu, telephone: (775) 784-6693.
	ligarside@dnr.edu, teleprione. (775) 764-6695.
	Trip Dates: October 12-13, 2013 – Saturday and Sunday
Nov 7, 2013	NPGS Monthly Dinner Meeting – Thursday Nov 7, 6:30 PM
1407 7, 2013	Ramada Reno Hotel, 1000 E 6 th St, Reno, NV
	Speaker: Mark Coolbaugh, Geologist, Reno NV
	Topic: Blind Geothermal Systems
Nov 19, 2013	Nevada BLM Geothermal Lease Sale, Reno, NV
1407 13, 2013	http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/
	ggeothermal_leasing.html
Dec 2-6, 2013	Northwest Mining Association 119 th Annual Meeting
200 2 0, 2010	John Ascuaga's Nugget, Reno/Sparks, NV
	www.nwma.org
Dec 6, 2013	NPGS Annual Christmas Party – Friday Dec 6, 2013 6:30 PM
Friday	Ramada Reno Hotel, 1000 E 6 th St, Reno, NV
Tiluay	Details TBA
	Details LDA

Nevada BLM Oil & Gas Lease Sale, Reno NV		
Ely District, posting date: Sep 11, 2013		
http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oilgas/oil_		
and gas leasing.html		
NAPE Rockies – NAPE Expo		
Denver Convention Center, Denver, CO www.napeexpo.com		
NPGS Monthly Dinner Meeting - Thursday Jan 9, 6:30 PM		
Ramada Reno Hotel, 1000 E 6 th St, Reno, NV		
Speaker: Nicholas Hinz, Research Geologist, NBMG, Reno NV		
Topic: Hawthorne/Lee-Allen and Wabuska		
NPGS Monthly Dinner Meeting – Thursday Feb 6, 6:30 PM		
Ramada Reno Hotel, 1000 E 6 th St, Reno, NV		
Speakers: Lowell Price, NDOM, Carson City NV and John Menghini, BLM,		
Reno NV		
Topic: NDOM/BLM Updates, Oil, Gas and Geothermal Activity in Nevada		
NPGS Monthly Dinner Meeting – Thursday Mar 6, 6:30 PM		
Ramada Reno Hotel, 1000 E 6 th St, Reno, NV		
Speaker: Patrick Walsh, Ormat Nevada, Reno NV		
Topic: Steamboat Geothermal Complex		
NPGS Monthly Dinner Meeting – Thursday Apr 3, 6:30 PM		
Ramada Reno Hotel, 1000 E 6 th St, Reno, NV		
Speaker: James Faulds, Director/State Geologist, NBMG, Reno NV		
Topic: Hot Springs Mountain		
AAPG Annual Convention & Exhibition – Houston, TX		
George R Brown Convention Center. Submit abstracts by Sep 19. www.aapg.org		
NPGS Monthly Dinner Meeting – Thursday May 1, 6:30 PM		
Ramada Reno Hotel, 1000 E 6 th St, Reno, NV		
Speaker: Rick Stucker, Senior Geologist, Noble Energy, Denver CO		
Topic: Hydraulic Fracturing Project, Nevada		
Rocky Mountain Section/Pacific Section Meeting – AAPG 2016		
2016 joint RMS-AAPG/PS-AAPG annual meeting, Las Vegas, Nevada		

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.nbmg.unr.edu/nps/ To submit articles, corrections or suggestions for the newsletter; Contact Vicki Ehni 775-883-1107, cell 775-720-6387; email webni@aol.com.