

NEWSLETTER

Serving the Petroleum and Geothermal Community

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

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Dinner Meeting: Thursday, Oct 01, 2015

Speakers: **Lauren Mermejo**
BLM Great Basin Greater Sage-Grouse Program Lead
Raul Morales
BLM Deputy State Director for Renewable Resources/Planning

Topic: **Nevada and Northeastern California Greater Sage-Grouse Land Use Plan Amendment**

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

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

PLEASE RSVP WITH THE FOLLOWING LINK:

<https://docs.google.com/forms/d/1kLkAFaWNDank1-icVx1wbbX8m4Cr9aA0OhYKLwmvOmw/viewform>

If you have RSVP'd, and find that you cannot attend, please notify NPGS as soon as you are able as NPGS will be charged for all no-shows.
Thank you for your consideration.

SEE CALENDAR Page 14 for upcoming meetings

► **NPGS Monthly Dinner Meeting – Oct 1, 2015**

**Nevada and Northeastern California Greater Sage-Grouse Land Use Plan Amendment
Lauren Mermejo, BLM Great Basin Greater Sage-Grouse Program Lead
Raul Morales, BLM Deputy State Director for Renewable Resources and Planning**

ABSTRACT:

The Bureau of Land Management has recently completed 14 land use plans and land use plan amendments across 10 states. These plans conserve key sagebrush habitat and promote sustainable economic development in the West. The Records of Decision and Approved Plans were signed in September. The US Fish and Wildlife Service is using our plans, as well as the Forest Service Plans, State Plans, NRCS projects, and private land owner conservation efforts to determine if the actions and information within all of these efforts is adequate to conserve the Greater Sage-Grouse and its habitat such that a listing under the Endangered Species Act (ESA) is not necessary. We have confidence that these plans, when final, will not only benefit the Greater Sage-Grouse, but will also preserve the West's heritage of ranching and outdoor recreation; protect hundreds of wildlife species that also rely on sagebrush habitat, such as elk, mule deer and golden eagles; and promote balance between conservation and development.

The Federal Sage-Grouse conservation plans have several key components that are consistent across the range: they are done at a landscape scale; there has been unprecedented coordination; they adopt numerous aspects of the State's plan; they are based off of best available science; they are a targeted, multi-tiered approach; and they respect valid and existing rights.

► **About the Speaker:**

Lauren Mermejo, BLM Great Basin Greater Sage-Grouse Program Lead

Lauren Mermejo has been employed by the Federal Government for over 30 years, and has spent the majority of those 30 years with the BLM. She received her first Bachelor's degree in zoology with a minor in botany and range, and her second Bachelor's degree in secondary education. She began her permanent career with BLM in Elko as a land use planner, moved to the BLM Utah State Office as part of a regional planning team, moved to St. George, Utah to complete the BLM St. George Field Office's land use plan revision, and then moved back to the Utah State Office as the Branch Chief for Planning and Environmental Coordination. She moved to Reno to work at the Nevada State Office in her current position in January of 2012. As the Great Basin Sage-Grouse Program Lead, she oversaw the completion of four Greater Sage-Grouse Plan Amendments and Environmental Impact Statements in the Great Basin: Nevada and Northeastern California, Oregon, Idaho and Southwestern Montana, and Utah.

► **Oct 01, 2015 Cocktail Reception hosted by:**



info@paulgrahamdrilling.com
Paul Graham Drilling and Service Company
2500 Airport Rd., Rio Vista, CA 94571
(707) 374-5123 (800) 336-7285



Marc Brennen, Business Development Manager
Resource Cementing, LLC
2500 Airport Rd., Rio Vista, CA 94571
c. (916) 801-3336, o. (707) 374-5123, f. (707) 374-6821

► **Welcome New Members:**

McCoy, Matt
Miller, Adam
Shelton, Jerrod

Tool Pusher/Outside Sales
Thermosource Drilling
Barbour Well, Inc.

Reno, NV
Kelseyville, CA
Henderson, NV

► **Scheduled Nevada BLM Lease Sales:**

***Nevada Geothermal Upcoming Lease Sale
(Tentative)***

Sale Date	Nominations Due	Sale Posting Date	Protest Deadline
October 25, 2016	January 29, 2016	July 27, 2016	August 26, 2016

***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 8, 2015	Ely	March 13, 2015	September 9, 2015	October 9, 2015
March 8, 2016	Elko	June 12, 2015	December 9, 2015	January 8, 2016
June 14, 2016	Battle Mountain	September 18, 2015	March 16, 2016	April 15, 2016
September 13, 2016	Winnemucca/Carson City	December 18, 2015	June 15, 2016	July 15, 2016
December 13, 2016	Ely	March 18, 2016	September 14, 2016	October 14, 2016

*EOI = Expression of Interest

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

► **Workshops on Proposed Regulations pertaining to Oil and Gas and Geothermal Wells:**

From: Richard Perry, Administrator, Division of Minerals

The Division of Minerals will hold workshops to receive input on proposed changes to Chapter 22 of the Nevada Administrative Code revising provision relating to fees for drilling and operation of oil and gas and geothermal wells and regulations relating to the drilling and operation of oil and gas and geothermal wells.

The workshops will be held

Friday, October 2, 2015

Legislative Counsel Bureau
401 South Carson St., Room #2135
Carson City, NV 89701

Oil and gas: 9:00 AM – 11:00 AM

Geothermal: 1:00 PM – 3:00 PM

You are encouraged to provide your suggestions in writing.

You may contact Valerie Kneefel (775) 684-7043 or vkneefel@minerals.nv.gov to request supporting material for the meetings.

The agenda and supporting material is available at www.minerals.nv.gov.

► ***Nevada Mineral Exploration Coalition Annual Meeting, Friday, Nov 6, 2015:***

Friday, November 6, 2015

8:00 AM – 6:00 PM (registration opens at 7:00 AM)

Silver Legacy Resort, Reno, NV

Keynote speaker TBA, business meeting, hosted luncheon, panel discussions, hosted reception

Register and pay online www.nvmec.org or download form & send to P. O. Box 1734, Elko, NV 89801.

► ***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

Subscribe to our email list by sending an email to webmaster@nbg.unr.edu with “subscribe to Publications mailing list” in the subject line

Subscribe to our blog <http://nbg.wordpress.com/>

“Like” our Facebook page <https://www.facebook.com/pages/Nevada-Bureau-of-Mines-and-Geology/106397989390636>

You can place an order for other publications or check for shipping charges through our shopping cart at <http://pubs.nbg.unr.edu>

>1915 Pleasant Valley Earthquake Centennial Field Trip— Saturday October 3—reminder!

1915 Pleasant Valley Field Trip – October 3, 2015

The Pleasant Valley earthquake of October 2, 1915 was the largest earthquake in Nevada’s recorded history. This earthquake ruptured the ground about 50 miles south of Winnemucca, and left a scar along the range front that was more than 35 miles long. In places, the ground surface was offset vertically by as much as 19 feet. The earthquake had a magnitude of 7.3 and was felt throughout Nevada. Damage occurred in many places, but was strongest in Pleasant Valley and in the towns of Kennedy and Winnemucca. This is the story of Nevada’s largest known earthquake and what it means to us.

The Nevada Bureau of Mines and Geology will lead a free, half-day field trip to Pleasant Valley and the 1915 fault rupture on Saturday October 3, 2015. The trip will consist of a short overview talk in Winnemucca about the earthquake and a car caravan excursion with two stops in the earthquake area. The excursion is a 100-mile round trip to an area where there are no services, including no cell phone services.

We ask that people car pool as much as possible and make sure any vehicle making this trip is in good condition with good tires, a spare, and a jack. Much of the trip is on gravel roads. The trip will be limited to the first 80 people who sign up, but a guidebook will be available on the [1915 earthquake centennial web page](#) for people wanting to make the trip on their own.

All field-trip participants must fill out and sign a waiver stating that they are responsible for their own safety and for any medical expenses or damages incurred as a result of the trip. Parents must also fill out and sign a waiver for any children accompanying them on the trip. There will be a lunch stop and a short cross-country hike along the fault, so bring a lunch and some sturdy walking shoes and long pants or gators.

The trip will start with a short overview talk at the Sarah Winnemucca Conference Room in the Humboldt General Hospital, 118 E. Haskell Street, Winnemucca, Nevada at 10:00 a.m. Please park on the street or at the park, and do not park in patient parking. At 11:00 a.m. we will leave Winnemucca and travel south to Pleasant Valley. There are two stops. The first one is along the way to get an overview of the fault scarps along the range front, the geology, and the history of the area; we will enjoy lunch at this stop. The second stop is at the fault scarp where it crosses Golconda Canyon. At this stop we will talk about the earthquake, the fault scarp, shaking effects, and the history of the town of Kennedy. For those interested, we will take a short walk along the fault scarp to see the different ways it ruptured the ground and see evidence of paleoearthquakes.

>Earth Science Week Field Trip—October 17 and 18

NBMG Earth Science Week Field Trip 2015:

Fire and Ice—Geology of the Mount Rose Quadrangle, Lake Tahoe, and the Carson Range

Saturday, October 17 or Sunday, October 18 (Sunday is a repeat of Saturday)

This year's Earth Science Week is October 11-17, 2015 and will celebrate the theme "Visualizing Earth's Systems."

NBMG participates in Earth Science Week by coordinating annual geologic field trips for the general public. The field trip is free 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. **One of the hikes will be about two miles.**

This year NBMG will lead a trip to look at recently completed mapping of the Mount Rose quadrangle which covers an area from north shore of Lake Tahoe to north Mount Rose proper, east into the Mount Rose Ski Area, and west to the NV/CA state line. Our journey will have stops along the Mount Rose Highway (including Mount Rose summit), in Incline Village, and along the north shore of Lake Tahoe. We will look at the history of volcanoes, glaciers, and faults that have built and continue to build the landscape we see today.

The field trip guide and details will be posted in early October.

The Mount Rose geologic map can be found here:

<http://pubs.nbmq.unr.edu/Prel-geol-Mount-Rose-quad-p/of2014-07.htm>

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 starting point.

Field trip participants should meet at 9:00 a.m. in the parking lot of the [Galena Creek Visitor Center](#) on the Mt. Rose Highway. Departure will be at 9:30 a.m.

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.

For questions about the field trip, please call Nick Hinz at 775-784-1446.

For more information about educational activities during Earth Science Week, go to the national [Earth Science Week website](#). [ESW Proclamation by the Governor](#)

>NBMG 2nd Annual Open House—Oct 27 and 28—save the date!

You are invited to NBMG's second annual Open House at the Great Basin Science Sample and Records Library on Tuesday October 27 and Wednesday October 28.

Learn about Nevada's amazing geologic setting and rapidly evolving landscapes—and how earth science benefits your community and your future.

There will be lectures and activities for all ages. *Details will be coming soon!*

>Earth Science Week Focus Days

"Earth Science Week is happy to announce special days focusing on specific themes during the week-long celebration, October 11-17, 2015."

You can view details here:

<http://www.earthsciweek.org/focus-days>

Sunday, October 11--International EarthCache Day

Monday, October 12--Earth Science Literacy Day

Tuesday, October 13--No Child Left Inside Day

Wednesday, October 14--National Fossil Day

Thursday, October 15--Geoscience for Everyone Day

Friday, October 16--Geologic Map Day

Saturday, October 17--International Archaeology Day

>Jim Faulds to serve as panelist at congressional briefing on geothermal energy

Jim Faulds, NBMG Director and State Geologist, will be serving as a panelist at a congressional briefing on geothermal energy: Geothermal Featured in Energy-Water-Land Connections Briefing Series.

"As part of the "Energy from the Earth: Energy-Water-Land Connections" briefing series, the U.S. Department of Energy's Deputy Assistant Secretary for Renewable Power, Doug Hollett, will moderate a panel on recent successes in geothermal research on September 15, 2015 at 10:00 a.m.

Panelists include University of Nevada's Research Professor, Jim Faulds; National Renewable Energy Laboratory's Energy and Environmental Analyst, Jordan Macknick; and the Navy Geothermal Program Office's Senior Geologist, Andy Sabin.

Topics will cover the following:

- What are geothermal systems and where are they located?
- What water and land resources are necessary for geothermal energy production?
- How have existing geothermal operations developed innovative solutions to address water use?
- What does the future of geothermal energy production look like?

This event will take place at the Longworth House Office Building in Washington, D.C.

The Office of [Energy Efficiency and Renewable Energy](#) (EERE) is at the center of creating the clean energy economy today. EERE leads the U.S. Department of Energy's efforts to develop and deliver market-driven solutions for energy-saving homes, buildings, and manufacturing; sustainable transportation; and renewable electricity generation.

The Geothermal Technologies Office (GTO) accelerates the deployment of clean, domestic geothermal energy by supporting innovative technologies that reduce the cost and risk of [hydrothermal](#), [low-temperature](#), and [enhanced geothermal systems](#) development. Learn more on our [website](#)."

COS Discover Science Lecture Series

World-exploring journalist, author Simon Winchester to give free public lecture: College of Science's Discover Science lecture Oct. 1

Nevada Today, 9/3/2015, by Mike Wolterbeek

"Best-selling author Simon Winchester is the next speaker in the Discover Science Lecture Series at the University of Nevada, Reno set for **Thursday, Oct. 1**.

Simon Winchester is a geologist, journalist, explorer and *New York Times* best-selling author who writes about the natural forces that shape the earth - earthquakes, volcanoes, floods and tsunamis. He will give a lecture at the University of Nevada, Reno's Discover Science Lecture Series at **7 p.m., Thursday, Oct. 1**, and will have a book-signing session following the lecture.

His lecture, titled "The Man Who Made the Map that Changed the World," explores how human history was changed by the world's first geological map.

Other speakers scheduled for the Discover Science Lecture Series are:

Karl Karlstrom, expert on the Grand Canyon, Nov. 19

David Quammen, science author, Feb. 4

Paul Alan Cox, ethnomedicine expert, March 10

Bob Williams, Hubble Space Telescope project leader, April 21

The lecture will be held at 7 p.m. in the Redfield Auditorium in the Davidson Mathematics and Science Center on the University campus.

<http://www.unr.edu/around-campus/facilities/davidson>

Parking is reserved for the event on the top level of the Brian J. Whalen Parking Complex on North Virginia Street.

Admission is free. For more information, call 775-784-4591 or visit the College of Science website at

<http://www.unr.edu/science>."

Read entire article here:

<http://www.unr.edu/nevada-today/news/2015/discover-science-simon-winchester>

Charlotte Stock, Publication Sales

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, www.nbmg.unr.edu

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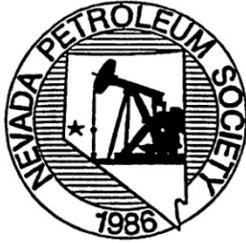
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information
contact:**

www.psaapg.org
www.aapgrms.org

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Street City State Zip Code

Preferred Mailing Address? WORK -or- RESIDENCE

Work Phone _____ Residence Phone _____ Fax _____

Mobile Phone _____ Email _____

Member of AAPG? YES -or- NO

Professional References – list two references with phone numbers and addresses

1) Name _____ Phone _____

Address _____
Street City State Zip Code

2) Name _____ Phone _____

Address _____
Street City State Zip Code

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

Membership Type

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

Signature _____

Date _____

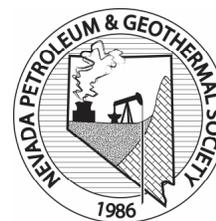
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Nevada Petroleum Society
P.O. Box 11526
Reno, NV 89510-1526

DO NOT COMPLETE
For NPS Membership Committee Signatures Only

Nevada Petroleum and Geothermal Society

Publication Price List - October 2013



Paper	CD-ROM	Download from Dropbox	Title
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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 Directory (only 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 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 Co, 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 Nevada (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-ROM	Download from Dropbox	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 on Web 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
NPS24 \$30.00	NPS24c \$45.00	NPS24y \$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

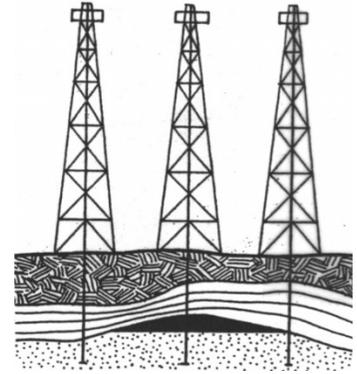
Fax: (775) 784-6690

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

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

Oil and gas resources from NBMG

The following publications are available from the Nevada Bureau of Mines and Geology. Many of these are available free on the Web. Go to the publications website and look for the "Free Downloads" link on the individual publication landing pages: <http://pubs.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) *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

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://pubs.nbmq.unr.edu/Mineral-Industry-s/1860.htm>

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
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
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, *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 simplified version of OF96-6 (no text), 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
OF04-1 Nevada oil and gas well database (NVOILWEL): Hess (2004)
OF07-7 Assessment of the potential for carbon dioxide sequestration with enhanced oil recovery in Nevada: LaPointe, Price, and Hess (2007), 24 pages
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, Davis, Limerick, Siewe, and Niles; portable hard drive, 105 GB, 9643 files, also 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
R52 Assessment of the potential for carbon dioxide sequestration by reactions with rocks in Nevada: Sturmer, LaPointe, Price, and Hess (2007)

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>

Geothermal resources in Nevada

The following publications are available from the Nevada Bureau of Mines and Geology. Many of these are available free on the Web. Go to the publications website and look for the "Free Downloads" link on the individual publication landing pages: <http://pubs.nbmq.unr.edu/>

Geothermal information page on the NBMG website

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

Bulletins

- B65 Mineral and water resources of Nevada: Cornwall (1964) pp. 267-269
- B89 Geology and mineral deposits of Pershing County, Nevada: Johnson (1977) pp. 104-106
- 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) *see also OF03-27*
- B99B Mineral resources of northern Nye County, Nevada: Kleinhampl and Ziony (1984) p. 37-38

Educational Series

- E-7 Geothermal resources in Nevada: Student reading/activity book for grades four through eight, 27 p.
- E-15 Nevada geothermal electric power production, brochure (1992) 2 p.
- 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

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, *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
- M161 Nevada geothermal resources: Penfield, Shevenell, Garside, and Zehner (2010), 1:750,000, *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://pubs.nbmq.unr.edu/Mineral-Industry-s/1860.htm>

Newsletters

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

Open-File Reports

- OF83-6 Preliminary map of thermal wells in the Moana geothermal area, Reno, Nevada: Garside
- OF87-2 Mineral resource inventory – U.S. Navy master land withdrawal area, Churchill County, Nevada: Quade and Tingley
- OF94-2 Nevada low-temperature geothermal resource assessment: 1994: Garside, with a bibliography by Davis and Garside
- OF96-2-9 Reconnaissance photogeologic map of young (Quaternary and late Tertiary) faults in Nevada: (Plate 9) 1:1,000,000, map and text
- OF03-27 Preliminary geologic map of the Desert Peak-Brady geothermal fields, Churchill County, Nevada: Faulds and Garside (2003), *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, *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

- OF12-3 Data tables and graphs of geothermal power production in Nevada: Shevenell, Price, and Hess (1985-2011)
- OF12-05 Preliminary geologic map of the Desert Peak quadrangle, Churchill County, Nevada
- OF13-05 Preliminary geologic map of the Tuscarora geothermal area, Elko County, Nevada
- OF13-08 Preliminary geologic map of the Wabuska quadrangle, Lyon County, Nevada
- OF13-10 Preliminary geologic map of the central Lake Range, southern Fox Range, and northern Terraced Hills, Emerson Pass geothermal area, Washoe County, Nevada (second edition)
- OF13-11 Preliminary geologic map of the southern Lake Range, Washoe County, Nevada

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)
- R33 Papers on mineral deposits of western North America: (1979), presented at the Fifth Quadrennial Symposium of IAGOD
- R41 Precious-metal mineralization in hot springs systems, NV-CA: Tingley and Bonham (1986)
- R43 Mineral resources of the Kumiva Peak 30' by 60' quadrangle: Tingley (1989) p. 16-17
- R44 Mineral resources of the Pahrnagat Range 30' by 60' quadrangle: Tingley (1989) p. 8-9
- R45 Mineral resources of the Overton 30' by 60' quadrangle: Tingley (1989) p. 12-13
- R46 Mineral resources of the Timpahute Range 30' by 60' quadrangle: Tingley (1991) p. 30-31
- 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)
- 00001 Geologic map of Nevada: Stewart and Carlson, U.S.G.S. (1978) 1:500,000 available free on the Internet at <<http://keck.library.unr.edu/>> and click on "Great Basin geoscience dataset" see SP4 for descriptive text

Urban Map Series

- 3Ah Energy and mineral resources map of the Las Vegas SE quadrangle: Papke and Bell (1973)
- 4Ah Energy and mineral resources map of the Reno quadrangle: Bingler, Bonham, and Luza (1973)
- 5Ah Energy and mineral resources map of the Washoe City quadrangle: Papke and Jones (1978)

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
- NPS24 Geothermal and petroleum developments in several extensional basins of the central Walker Lane, Nevada

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)
- OF74-271 Geothermal systems of northern Nevada: Hose and Taylor (1974), 30 pages
- OF74-1066 The chemical composition and estimated minimum thermal reservoir temperatures of the principal hot springs of northern and central Nevada
- 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
- 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>>
- 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>

Other Resources

Great Basin Center for Geothermal Energy is at <http://www.gbcge.org/>

For more information, please contact:

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

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www.nbmg.unr.edu

Nevada Petroleum and Geothermal Society Calendar: Year 2015-2016	
Oct 1, 2015	NPGS Monthly Dinner Meeting – Thursday Oct 1, 6:30 PM <i>Details See page 1</i>
Oct 17-18, 2015	NBMG Earth Science Week Field Trip, October 17 and 18, 2015 Fire and Ice—Geology of the Mount Rose Quadrangle, Lake Tahoe, and the Carson Range Save the date! Sign-ups will be available in September.
Nov 5, 2015	NPGS Monthly Dinner Meeting – Thursday Nov 5, 6:30 PM <i>Details TBA</i>
Nov 6, 2015	The Nevada Mineral Exploration Coalition Annual meeting, Silver Legacy Resort, Reno, NV www.nvmec.org
Nov 30-Dec 4	American Exploration & Mining Meeting & Expo, Spokane WA mheywood@miningamerica.org
Dec 4, 2015 Friday	NPGS ANNUAL CHRISTMAS PARTY – Friday Dec 4, 6:30 PM <i>Details TBA</i>
Dec 8, 2015	Nevada BLM Oil & Gas Lease Sale, Reno NV Ely NV District, posting date: Sep 09, 2015 http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html
Jan 7, 2016	NPGS Monthly Dinner Meeting – Thursday Jan 7, 6:30 PM <i>Details TBA</i>
Feb 4, 2016	NPGS Monthly Dinner Meeting – Thursday Feb 4, 6:30 PM <i>Details TBA</i>
Mar 3, 2016	NPGS Monthly Dinner Meeting – Thursday Mar 3, 6:30 PM <i>Details TBA</i>
Mar 8, 2016	Nevada BLM Oil & Gas Lease Sale, Reno NV Elko NV District, posting date: Dec 09, 2015 http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing.html
Apr 7, 2016	NPGS Monthly Dinner Meeting – Thursday Apr 7, 6:30 PM <i>Details TBA</i>
May 5, 2016	NPGS Monthly Dinner Meeting – Thursday May 5, 6:30 PM <i>Details TBA</i>
Jun 19-22, 2016	AAPG Annual Convention & Exhibition, 2016: Redefining Reservoir BMO Centre @ Stampede Park, Calgary AB http://ace.aapg.org/2016
Oct 2-5, 2016	Rocky Mountain Section/Pacific Section Meeting – AAPG 2016 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.nbmj.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.