

# NEWSLETTER

**Serving the Petroleum and Geothermal Community** 

Nevada Petroleum Society; P. O. Box 11526; Reno, NV 89510 Visit our NPS Homepage: http://www.nbmg.unr.edu/nps/

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# AAPG EMD Representative

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Dinner Meeting: Thursday, Feb 3, 2011

Speaker: John A Lopez, Ph.D.

Acting Executive Director & Director-Coastal Sustainability Program Lake Pontchartrain Basin Foundation

Metairie, LA

Title: "An Environmentalist's View of the Many

**Highs and Lows of the BP Deepwater** 

Horizon Blowout and Oil Spill"

Place: Ramada Reno Hotel, Washoe Room

1000 East 6th Street, Reno, Nevada

**Agenda:** Cocktails begin at 6:30 PM

Dinner Served at 7:00 PM

## **Dinner Costs:**

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

## Menu

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

\*\*RSVP by Monday, Jan 31

Diane Phillips (775) 267-4663 or trailsend@pyramid.net

# ► <u>ABSTRACT – NPS Monthly Dinner Meeting – Feb 3, 2011</u>

John A Lopez, Ph.D.

Lake Pontchartrain Basin Foundation, Metairie, La.

Title: An Environmentalist's View of the Many Highs and Lows of the BP Deepwater Horizon Blowout and Oil Spill

The Lake Pontchartrain Basin Foundation is a not-for-profit, environmental organization based in southeast Louisiana. LPBF has active programs in Environmental Education, Water Quality Monitoring, Coastal Sustainability Research and Planning, and Public Outreach Events. Our main area of interests is the 10,000 square mile, Lake Pontchartrain Basin which includes New Orleans and Baton Rouge. Habitats range from rolling upland to the north and the Mississippi Delta to the south. Lake Pontchartrain is actually a 620-square mile tidal bay, and therefore, part of the 6000 square mile estuary surrounding New Orleans. LPBF works in partnership with all segments of the community, and is the public's independent voice for the region addressing issues affecting the natural environment.

Since the first week of the BP Maconda well blowout, LPBF has been engaged in the oil spill of 2010. LPBF primary mission was to reduce the damage by the oil spill by providing any advice, assistance, information, monitoring, i.e. partner with responders. It was not to exaggerate claims, to create hysteria, to deflect onto other issues, etc.

## Some LPBF Activities:

- Made numerous trips to Houma Response Center and supplied information on sensitive habitats and local resources.
- Hosted weekly conference calls and briefings with other environmental groups.
- Daily reports on the spill summarizing numerous other reports distributed to other NGO's and anyone else interested (via email and on our website).
- Through imbedded planning with the Slidell spill response office, provided assistance in particular to safeguard impact to the Pontchartrain Basin and Lake Pontchartrain.
- Coordinated modeling effort with UNO to model inland movement of oil in the Pontchartrain Basin. Information was also sent to spill response officials & NOAA on their request.
- Coordinated river modeling with UNO to assess dredging in Pass a Loutre for the Berm project.
- Supplied comments on berm and rock projects to state and federal agencies
- Participated in planning meetings with Parish officials.
- Conducted weekly recon's of the approaches to Pontchartrain including oil sentinels
- Reviewed / expanded snare sentinel program with NOAA.
- Developed a spill monitoring program for LPBF, and two requested proposals by BP.
- Made numerous field outings by boat to Venice, Myrtle Grove, Bohemia, Delacroix.
- Handled innumerable media requests from around the world.
- Reviewed and made recommendations for the trigger response matrix for Div.7 & 8.
- Analyzed spill movement in the Gulf.
- Provided continuous archiving of information documenting the oil spill in the Pontchartrain Basin

The direct oiling of marsh or barrier islands is now fairly well known, and damages are being assessed through NRDA and other efforts. A larger unknown is the indirect impact that is the effect of oil offshore to the fish populations or other aquatic species that may perpetuate through the Gulf of Mexico ecology for years and long after the oil is "gone". Since Louisiana coastal estuary and the Gulf are co-dependent, this indirect offshore impact may affect the Louisiana coastal estuary and feedback to the gulf. Several years of research and commercial fishing will be necessary to determine if there is a significant indirect impact.

# ► About the Speaker: John A Lopez, Ph.D.

Acting Executive Director & Director-Coastal Sustainability Program Lake Pontchartrain Basin Foundation SaveOurLake.org
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Born in New Orleans, John holds a Masters in Geology from the University of Southern California and a PhD in Coastal Sciences of Biology, Coastal Engineering and Geology from the University of New Orleans. He worked for 20 years in the Gulf Coast for Amoco. He is an accomplished Gulf Coast geologist. He worked for the U.S. Army Corps of Engineers in Project Management for the Coastal Restoration Branch including assignments with the Coastal Wetlands, Planning Protection and Restoration Act (CWPPRA) and the Louisiana Coastal Area Ecosystem Restoration Study (LCA). John is President of Delta Science, LLC., a coastal consulting firm, and is currently Director of the Lake Pontchartrain Basin Foundation. John and his wife Sharon lost their home in Hurricane Katrina but have recently rebuilt and returned to their home site on the north shore of Lake Pontchartrain where they can once again enjoy boating and the outdoors with their four stray dogs.

# ► NPS Officer Elections:

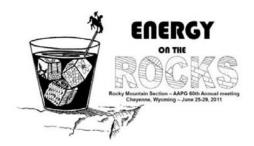
### Call for Officer Nominations

It's again time to nominate new NPS officers. Our primary search is for a new Vice President/President-elect as Jim Faulds moves into the President's position next year. The Vice President selects speakers for the dinner meetings and coordinates a field trip if possible. Of course, great fame and glory come with the position, as any past holder of the office will attest. We would like to select a nominee in February and vote on the full slate of candidates (new and returning) at the March dinner meeting. If you are interested in the position, or know of someone who you think would be a good candidate, please contact Alan Wallace (wallacealan@sbcglobal.net) by February 15, if not sooner.

# **Call for Papers - Press Release**

2011 Rocky Mountain Section – AAPG Annual Meeting
June 25 – 29

Little America Conference Center, Cheyenne, Wyoming



### www.rms-aapa.ora/2011 meeting/

The Rocky Mountain Section (RMS) of the American Association of Petroleum Geologists (AAPG) and the Wyoming Geological Association (WGA) is issuing a Call for Papers for their 2011 Conference, which will be held, in Cheyenne, Wyoming. The conference is taking place at Cheyenne's Little America Conference Center from June 25-29, 2011 and will include oral and poster sessions, exhibits, short courses, and field trips, including a pre-meeting Niobrara Shale trip.

Oral and poster sessions include:

- Niobrara-Featuring a Special Plenary Session
- Tertiary Resources of the Powder River Basin
- Fractured Shale Plays
- Producing Fields
- Evaluation of Unconventional plays
- CO<sub>2</sub> EOR and Sequestration
- EMD including Geothermal, Uranium and Coal
- · Seismic Detection of Fractures

- Legal and Surface Issues Affecting Current Oil and Gas Operations
- Completions and Engineering Economics
- Gravity/Aeromagnetic Data and Collection Methods
- Structure of Rocky Mountain Basins
- Sedimentology and Stratigraphy of Rocky Mountain Basins
- Student Papers

The abstract deadline is January 15, 2011.

Abstracts may be submitted at: http://aapg2011rms.abstractcentral.com.

CONTACT INFORMATION

Technical Program Chair, Andy Finley - andy@goolsbyfinley.com

The following is a tentative list of Short Courses to be offered:

- Niobrara Core Workshop
- Petrophysical Analysis of Unconventional Reservoirs
- Carbonate Diagenesis
- Bakken Shale Workshop

A Prospect Expo is planned for Wednesday, morning, June 29.

# ► Nevada BLM Oil & Gas Lease Sale Schedule

BLM State office, 1340 Financial Blvd, Reno, NV – 10:00 AM

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

| Sale Date     | Parcels Offered for District<br>Office at Sale | *EOIs Due     | Sale Posting<br>Date | Protest<br>Deadline |
|---------------|--|---------------|----------------------|---------------------|
| March 8,      | Elko/Southern Nevada                           | June 11,      | December 3,          | January 3,          |
| 2011          |  | 2010          | 2010                 | 2011                |
| June 14,      | Battle Mountain                                | September 17, | March 11,            | April, 11,          |
| 2011          |  | 2010          | 2011                 | 2011                |
| September 13, | Ely  | December 17,  | June 10,             | July 11,            |
| 2011          |  | 2010          | 2011                 | 2011                |
| December 13,  | Winnemucca/Carson City                         | March 18,     | September 9,         | October 10,         |
| 2011          |  | 2011          | 2011                 | 2011                |

<sup>\*</sup>EOI = Expression of Interest

Note: Lease sales will be held at Bureau of Land Management, Nevada State Office, 1340 Financial Boulevard, Reno, Nevada 89502.

http://www.blm.gov/nv/st/en/prog/minerals/leasable\_minerals/oil\_\_\_gas/oil\_and\_gas\_leasing/upcoming\_sales.html

# One parcel listed for the March O&G Lease Sale:

http://www.blm.gov/pgdata/etc/medialib/blm/nv/minerals/oil\_\_\_gas/2011\_lease\_sales.Par.7926.File.dat/20110308\_OG\_Sale\_Parcels.pdf

# ► March 22, 2011 Next Nevada BLM Geothermal Lease Sale 58 parcels offered for March 2011 Geothermal Lease Sale

Note: Lease sales will be held at Bureau of Land Management, Nevada State Office, 1340 Financial Boulevard, Reno. Nevada 89502.

http://www.blm.gov/pgdata/etc/medialib/blm/nv/minerals/geothermal.Par.93993.File.dat/20100322\_Geo\_Sale\_Parcels.pdf

# ► News from Nevada Bureau of Mines and Geology:

From Charlotte Stock, NBMG Publication Sales

# New publications at NBMG

M168 (2nd ed.) - Geologic map of the Lahontan Mountains quadrangle, Churchill County, Nevada (2nd ed.), by John W. Bell, S. John Caskey, and P. Kyle House, 2010, scale 1:24,000 plus 24 pages of text, rolled or folded, \$31 for map and text, \$16 map only, or free on the Web: <a href="http://www.nbmg.unr.edu/sales/pbsdtls.php?sku=M168">http://www.nbmg.unr.edu/sales/pbsdtls.php?sku=M168</a>

M173 - Geologic map of the Grimes Point quadrangle, Churchill County, Nevada, by John W. Bell and P. Kyle House, 2010, scale 1:24,000 plus 24 pages of text, rolled or folded, \$31 for map and text, \$16 for map only, or free on the Web:

http://www.nbmg.unr.edu/sales/pbsdtls.php?sku=M173

MI-2009 - The Nevada Mineral Industry 2009

This report, the thirty-first of an annual series, describes mineral, oil and gas, and geothermal activities and accomplishments in Nevada in 2009: production statistics, exploration and development including drilling activity, discoveries of orebodies, new mines opened, and expansion of existing mines. Statistics of known gold, silver, and other metallic deposits, and directories of mines and mills are included. This report is only available on the Web: <a href="http://www.nbmg.unr.edu/dox/mi/09.pdf">http://www.nbmg.unr.edu/dox/mi/09.pdf</a>

OF10-3 - Updated assessment of risks and vulnerability to flood hazards in Nevada, by Jonathan G. Price, Gary L. Johnson, and Jordan T. Hastings, supersedes OF07-2. This report is only available on the Web:

http://www.nbmg.unr.edu/dox/of103/ docs/OF10-3.pdf

OF10-6 - Preliminary geologic map of the Lee-Allen geothermal area, Churchill County, Nevada, by Nicholas H. Hinz, James E. Faulds, and Gary L. Oppliger, 2010, 1:24,000 with inset map, scale 1:8,000, rolled or folded, \$15, or free on the Web: http://www.nbmg.unr.edu/sales/pbsdtls.php?sku=OF10-%206

# News from the Mackay School of Earth Sciences and Engineering

The Mackay Miner, December 2010 issue: http://www.mines.unr.edu/museum/miner 2010.pdf

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NBMG Publication Sales, University of Nevada
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Directions to our new office: <a href="http://www.nbmg.unr.edu">www.nbmg.unr.edu</a>
You may place an order or check for shipping charges through our shopping cart at: <a href="http://www.nbmg.unr.edu/sales.htm">http://www.nbmg.unr.edu/sales.htm</a>

Remember the NPS publications are available for sale through the NBMG on their website.

http://www.nbmg.unr.edu/sales/pbs.php?ser=nps

# ► NPS March 2011 Meeting Announcement: Thursday, March 3, 2011; Ramada Reno Hotel

Speaker: Dr. Corne Kreemer, Research Asst Professor, NBMG

University of Nevada – Reno

**Topic: Applications of geodetic studies to Nevada** 

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# **Nevada Petroleum Society – Publication List 2010**



# **SPECIAL VOLUMES**

- NPS 1 Oil Fields of the Great Basin (1994) R.A. Schalla and E.H. Johnson, editors, 31 papers on regional and field specific geology, 4 plates, hardbound, 380 p. \$65.00
- NPS 2 Membership Directory (only available free on the Web at http://www.nbmg.unr.edu/nps/membershipdir.htm)
- NPS 15 TerraScan's Geologic Map of the Eastern Great Basin, Nevada and Utah (1978, rev. 1987) compiled and edited by E.L. Howard, 3 sheets (includes cross-sections) \$20.00/NPS or \$25.00/non-NPS order by phone only for discounted price of \$5.00
- NPS 21 Carboniferous—Permian (Late Paleozoic) Hydrocarbon System, Rocky Mountains—Great Basin Region, U.S., Major Historic Exploration Objective (2001, updated 2003) J. Peterson, RMAG Open-File Report on CD only; 54 p., 45 illustrations, CD \$15.00

### FIELD TRIP GUIDEBOOKS

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

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

NBMG contact information:

Fax: (775) 784-6690

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

Phone: (775) 682-8766

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# 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 <a href="http://www.nbmg.unr.edu/">http://www.nbmg.unr.edu/</a>.

#### **Bulletins**

<u>B104</u>

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

### Databases, Lists, Indexes, and Digital Maps

List of wells by API and permit numbers; operator and well names; township, range, and section (as of October 27, 2008) at <a href="http://www.nbmg.unr.edu/lists/oil/oil.htm">http://www.nbmg.unr.edu/lists/oil/oil.htm</a> See also: <a href="http://www.nbmg.unr.edu/Oil&Gas/index.html">http://www.nbmg.unr.edu/Oil&Gas/index.html</a>

## **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. Selective data searches and index lists available upon request.

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

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

<u>OF07-7</u> Assessment of the potential for carbon dioxide sequestration with enhanced oil recovery in Nevada: LaPointe, Price, and Hess (2007), 24 pages, \$7.20

#### 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

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

### USGS

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

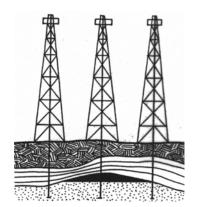
**Basin and Range Carbonate Aquifer System Study:** 

http://nevada.usgs.gov/barcass/data.htm

Ordering information for Nevada Bureau of Mines and Geology

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

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





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

| Nevada Petroleum | Society; Feb 2011 |  |
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