



THE OHIO GEOLOGICAL SOCIETY



The Newsletter of the Ohio Geological Society

August 2006

An Affiliate (1963) of the American Association of Petroleum Geologists (AAPG)

2005-2006 Officers

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Dear Society Members,

Fore – interj. A shout warning that one is about to hit the ball.

Come out and play for the competition or just play for the amusement, but mark your calendars for Thursday, September 14, to join us in our next annual golf outing at the Chapel Hill Golf Course. Wouldn't it be nice to see your company's name displayed at our outing! What better way to do so then by sponsoring a hole! If you are interested please contact one of our executive committee members (before they contact you), for more information. We look forward to seeing everyone there and enjoying another year of great fun, and relaxing competition.

As the summer months begin to wind down, we look towards the fall, which will bring us back to our monthly meetings. These generally are held as a luncheon meeting on the third Thursday of each month, September-May at the Mid-West Hotel and Conference Center in Columbus, Ohio. We hope more members take the time this year to support and participate in our monthly meetings. If you know of a speaker or have interest in a special topic please let one of the executive committee members know.

Remember to check our website at www.ohgeosoc.org for upcoming dates and information.

Don Jennings
President, OGS



THE OHIO
GEOLOGICAL SOCIETY

2006 Ohio Geological Society Golf Outing

18 Hole Golf Scramble
Thursday, September 14th, 2006 – 1 PM Shotgun
Chapel Hill Golf Course
Mount Vernon, Ohio

\$50.00 per person
(includes greens fees, cart, refreshments, dinner, and prizes)

Come one, come all! Spouses, friends, co-workers, students are encouraged!
Sign up even if you are not a part of a foursome, we'll fix you up with a group to play with.

Please be at the course no later than 12:30 pm!

Make your check payable to: The Ohio Geological Society. Fill out the reservation form enclosed and mail with your payment to:

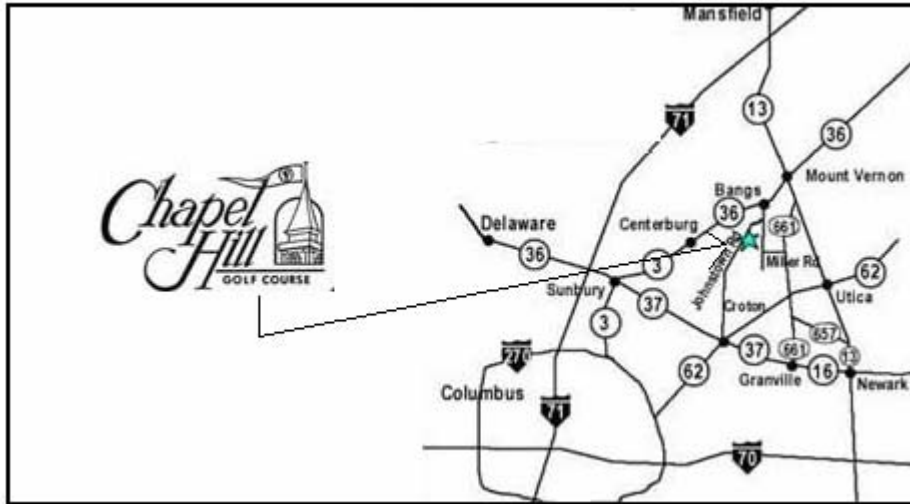
The Ohio Geological Society
PO Box 14304
Columbus, OH 43214-0304

Sponsors Welcome! Contact Don Jennings at 740-788-8836 or seismic@sprynet.com.

See you at Chapel Hill Golf Course on September 14th! For specific driving directions visit
www.chapelhillgolfcourse.com



2006 Ohio Geological Society Golf Outing



www.chapelhillgolfcourse.com

RESERVATION FORM

I plan to attend the 2006 OGS Golf Outing to be held at Chapel Hill Golf Course on **Thursday, September 14th, 2006**. Sign up in a foursome or individually (we'll put you on a team).

NAME: _____

NAME: _____

NAME: _____

NAME: _____

I have enclosed my check, made payable to: **The Ohio Geological Society**, for \$50.00 per golfer.

My check is in the amount of \$_____.

Please mail the reservation form with your payment to:

The Ohio Geological Society
PO Box 14304
Columbus, OH 43214-0304



**More details can be
found at
<http://karl.nrcce.wvu.edu>**

“*Designing and Forecasting Waterfloods using ReservoirGrail*”

**Appalachian Region PTTC Workshop – August 29, 2006
Ohio Geological Survey – Columbus, OH
9:00 a.m. - 4:30 p.m. (Building I – Fountain Square)**

Overview

High oil prices allow for a re-examination of mature and abandoned fields to identify oil that is now economically recoverable (reserves). In mature oil producing basins there are many fields that have either been plugged, abandoned or are inactive. Now several million barrels of incremental oil production may be recovered.

Using an old abandoned field in Texas, the workshop participants will create a waterflood development plan and quantify the incremental waterflood production and value the upside potential for increased reserves. ReservoirGrail, a Time Dynamic Volumetric Balancing technology, is a method of analyzing and quantifying production forecasts using significantly less time and data than standard flow simulation technologies.

Workshop participants will develop production forecasts and development scenarios. They will locate future injector and producer wells to determine the most efficient and economical Waterflood patterns through multiple runs of the ReservoirGrail program. By being able to easily map, and view, the flow of fluids in the reservoir, the participants will determine the timing of injector conversions, effects of varying injection rates, and the timing and amount of oil production. An award will be given to the participant with the best rate of return, based on some example economic assumptions.

Schedule

Sign-in and workshop material distribution will begin at 8:00 a.m. on Tuesday, August 29, 2006. The workshop will begin at 9:00 a.m. and conclude at 4:30 p.m.

Cost & Registration Information

The fee for the workshop is \$75.00 which includes the workshop material and all breaks. * **Please make checks payable to: WVU Research Corporation (WVURC)** and return with this registration form to:

To register: mail or FAX this form, or call **Mark Hoffman at 304-293-2867x5446** or by email: mahoffman@mail.wvu.edu; **FAX (859) 257-2173** Mailing address: NRCCE/WVU; P.O. Box 6064; Evansdale Drive; Morgantown, WV 26506-6064

NAME: _____

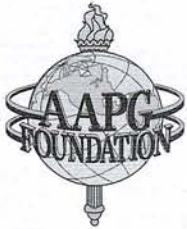
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ADDRESS: _____

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June 20, 2006

Mr. Donald Jennings
Ohio Geological Society
P O Box 14304
Columbus, OH 43214

Dear Mr. Jennings,

The AAPG Grants-in-Aid Committee reviewed 282 applications and awarded 102 grants totaling \$180,500 to geoscience graduate students for the 2006 AAPG Foundation Grants-in-Aid Program.

You may be interested to know that this year, the Ohio Geological Society Grant was awarded to Ryan Moyer, studying at the Ohio State University. You can visit the AAPG Foundation website for a complete listing of all this year's recipients at

http://foundation.aapg.org/gia/current_recipients.cfm

We recently updated the AAPG Foundation Grants-in-Aid brochure and we thought you would enjoy receiving a copy.

As opportunities abound in the digital world of computer publishing, Grants-in-Aid recipients are offered the opportunity to submit their abstracts to be published on AAPG's Search & Discovery website, the electronic journal for exploration and production geoscientists. The 2005 abstracts are currently posted at

http://www.searchanddiscovery.com/documents/abstracts/2005grants_in_aid/index.htm.

On behalf of all of the grant recipients, the AAPG Foundation and the AAPG Grants-in-Aid Committee, thank you for establishing the Ohio Geological Society Grant. Your support continues to make it possible for highly qualified graduate students to receive grants for their research projects.

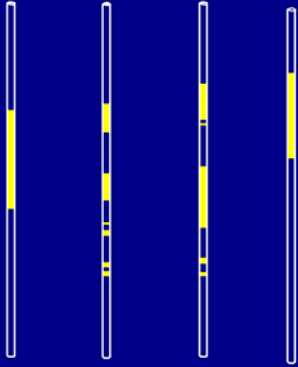
Yours truly,

Rebecca L. Griffin
Administrative Coordinator

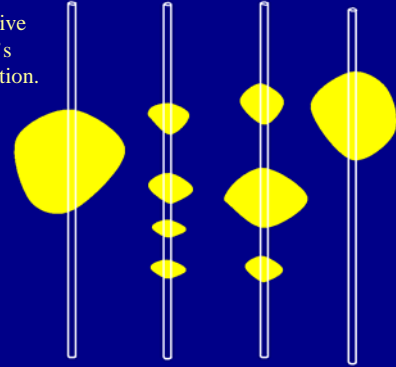
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Enclosure

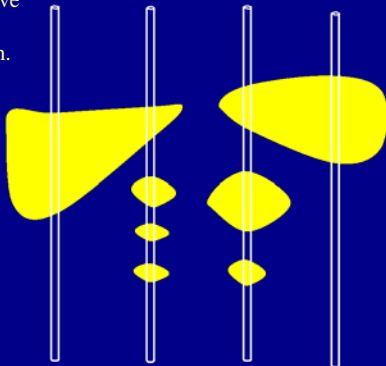
Let us consider a set of drilling intersections



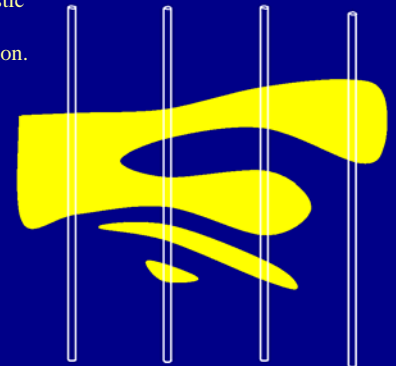
A very conservative geologist's interpretation.



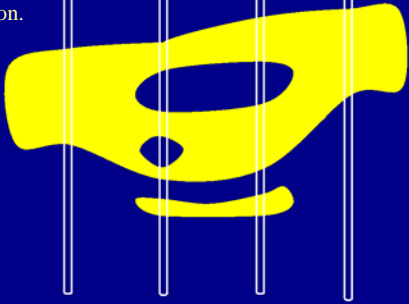
A conservative geologist's interpretation.



An optimistic geologist's interpretation.



A very optimistic geologist's interpretation.



An extremely optimistic geologist's interpretation.



A geophysicist's interpretation.

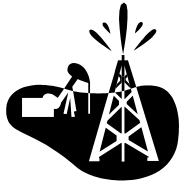


The reservoir engineers interpretation.



William Wilson Hortin

HORTIN William Wilson Hortin, age 82, Wednesday, August 2, 2006, Woodlands Assisted Living. Member of The Church Of Jesus Christ of Latter-Day Saints, where he was a High Priest and an Ordinance worker in the Washington D.C. and Columbus Temples. Retired petroleum geologist; member of American Association of Petroleum Geologists, Ohio Oil & Gas Assoc. He was inducted into The Ohio Oil & Gas Hall of Fame. Veteran U.S. Army WWII, 42nd Rainbow Division. Preceded in death by parents Joseph Carlisle and Cordelia Wilson Hortin, brother Hal C. Hortin, brothers-in-law Leo Frazier and Byron Smith. Survived by wife, Frances J.; children, Karen (Chris) Romney, Cedar City, UT, Wilson (Patricia) Hortin, Orem, UT, Brady Hortin, Orem, UT, Melanie (Doug) Chatterton, Plano, TX and Frances "Cissy" Hortin, Canfield, OH; step-son, Glenn Jaspering, Provo, UT, Steven Chapman (Christine), Friendsville, TN; step-daughter, Amy (Mike) Connary, Adrian, MI; 21 grandchildren and 6 great-grandchildren; sisters, Winona Smith and Roberta Frazier; sister-in-law, Barbara Hortin; numerous nieces, nephews, cousins and friends. A Memorial Service was held at the Riverside Ward, 3800 Gateway Blvd. Additional visitation, funeral service and burial will be held in Oakley, Utah. Contributions may be made to the Humanitarian Fund, LDS Church, 3800 Gateway Blvd., Columbus, OH 43228 or Harbor Light Hospice, 253 State St., Suite 100, Westerville, OH 43081.



Oil Discovery?

Recently a landowner in Lanier Twp., Preble County was digging a basement for his new house and encountered a small amount of free oil. He thought it was in a limestone.

He said a representative with the Division of Mineral Resources Management inspected the site and confirmed his observations.

Jerry C. Olds

CALENDAR

Information available for OGS meetings at: www.ohgeosoc.org
or contact Alison Nutter at seismic@sprynet.com, 740-788-8836.

- August 29 PTTC Workshop – “Designing and Forecasting Waterfloods using ReservoirGrail”, Ohio Geological Survey, Columbus, OH.
<http://karl.nrcce.wvu.edu/> or 281-558-7999
- September 14 OGS Golf Outing, Chapel Hill Golf Course, Mt. Vernon, OH.

Check the OGS website at www.ohgeosoc.org/otherevents.html or the PTTC website at <http://karl.nrcce.wvu.edu/calendar.htm> for other meetings and events.

Ohio Geological Society
P.O. Box 14304 • Columbus, OH 43214
<http://www.ohgeosoc.org/>

Ohio Geological Society Publications

The in-print publications of the Ohio Geological Society may be purchased from the Ohio Division of Geological Survey. Members of the Society receive a discount; the member price is in parentheses (M:). For more information on the Society, write the Ohio Geological Society, P.O. Box 14304, Columbus, OH 43214.

- OGS 1. Guidebook to the Middle Devonian rocks of north-central Ohio**, by A. Janssens. 30 p., 1970. \$2.50. (M: \$2.00).
- OGS 2. Geology of Silurian rocks, northwestern Ohio**, by C. F. Kahle and J. C. Floyd. Guidebook for First Annual Meeting, Eastern Section, American Association of Petroleum Geologists. 91 p., 1970. Out of print.
- OGS 3. Seminar on industrial self-help programs for natural gas supplies**, edited by Arie Janssens. 55 p., 15 figs., 1 table, 1977. \$3.50 (M: \$3.00).
- OGS 4. Clinton sandstone papers presented at the Ohio Oil and Gas Association Winter Meetings 1961 to 1978** (abridged reprint of 1980 volume). 228 p., 1985. \$25.00 (M: \$20.00).
- OGS 5. The new Clinton collection--1985**, edited by Jack Gray, Andy Maslowski, Warren McCullough, and W. E. Shafer (2nd printing). This edition includes a transcript of "Deeper Clinton-Medina drilling in southeastern Ohio" from a March 1986 Ohio Geological Society meeting. 257 p., 1985. \$25.00 (M: \$20.00).
- OGS 6. Principles of seismic exploration**. A collection of papers from a seminar presented at the 1987 AAPG Eastern Section meeting. 1987. Out of print.
- OGS 7. Computer-aided analysis of geologic data**, edited by Lawrence H. Wickstrom. A collection of papers from a seminar presented at the 1987 AAPG Eastern Section meeting. 100 p., 1987. \$15.00 (M: \$12.00).
- OGS 8. Maps and cross sections of the Cambrian and Lower Ordovician of central Ohio**, by G. G. Shearrow. 31 p., 8 pls., 1987. \$12.00 (M: \$10.00).
- OGS 9. An update on Ohio's subsurface geology**. Proceedings from the October 1993 technical symposium held in Canton, Ohio. 11 papers, separately paged, 1993. \$25.00 (M: \$20.00).
- OGS 10. The Ohio Geological Society anthology, the Morrow County, Ohio "oil boom" 1961-1967 and the Cambro-Ordovician reservoir of central Ohio**, edited by William E. Shafer. 452 p., 1994. \$25.00 (M: \$20.00).
- OGS 11. Major natural gas plays of the Appalachian basin and surrounding areas**. Proceedings from the October 1994 technical symposium held in Canton, Ohio. 11 papers, separately paged, 1994. \$25.00 (M: \$20.00).
- OGS 12. Structural influences on oil and gas reservoirs**. Proceedings from the October 1995 technical symposium held in Canton, Ohio. 14 papers. 129 p., 1995. Out of print.
- OGS 13. Enhanced recovery--historical development and future potential in Ohio and the Appalachian Basin and Integration of geology and geophysics in exploration**. Proceedings from the October 1996 technical symposium held in Akron, Ohio. 16 papers. 209 p., 1996. \$25.00 (M: \$20.00).
- OGS 14. Ohio Geological Society Fifth Annual Technical Symposium**. Proceedings from the November 1997 technical symposium held in Akron, Ohio. 11 papers. 117 p., 1997. \$25.00 (M: \$20.00).
- OGS 15. Petroleum seismology in the digital age**. Course notes from the Ohio Geological Society's 3-D Seismic Seminar presented at the 1998 AAPG Eastern Section meeting. \$20.00 (M: \$15.00).
- OGS 16. Fossil collecting in the Silica Formation at Sylvania, Ohio**. Guidebook for the 1998 AAPG Eastern Section meeting. 16 p., 1998. \$7.00 (M: 6.00).
- OGS 17. Into the new millennium: The changing face of exploration in the Knox play**. Proceedings from the Sixth Annual Fall Symposium held in Akron, Ohio, October 1999. 16 papers. 120 p., 1999. \$25.00 (M: \$20.00).
- OGS 18. Exploration and Development of the Trenton-Black River of the Appalachian Basin**. Presentation workbook from the PTTC workshop held in Canton, Ohio, April 25, 2002. 10 papers. 2002. \$15.00 (M: \$10.00).

To order any of the Society's publications contact: The Geologic Records Center, Ohio Division of Geological Survey, 2045 Morse Road, Columbus, Ohio 43229-6693. Telephone (614) 265-6576. FAX: (614) 447-1918. E-mail: geo.survey@dnr.state.oh.us.