NOGS LOG

January 2012

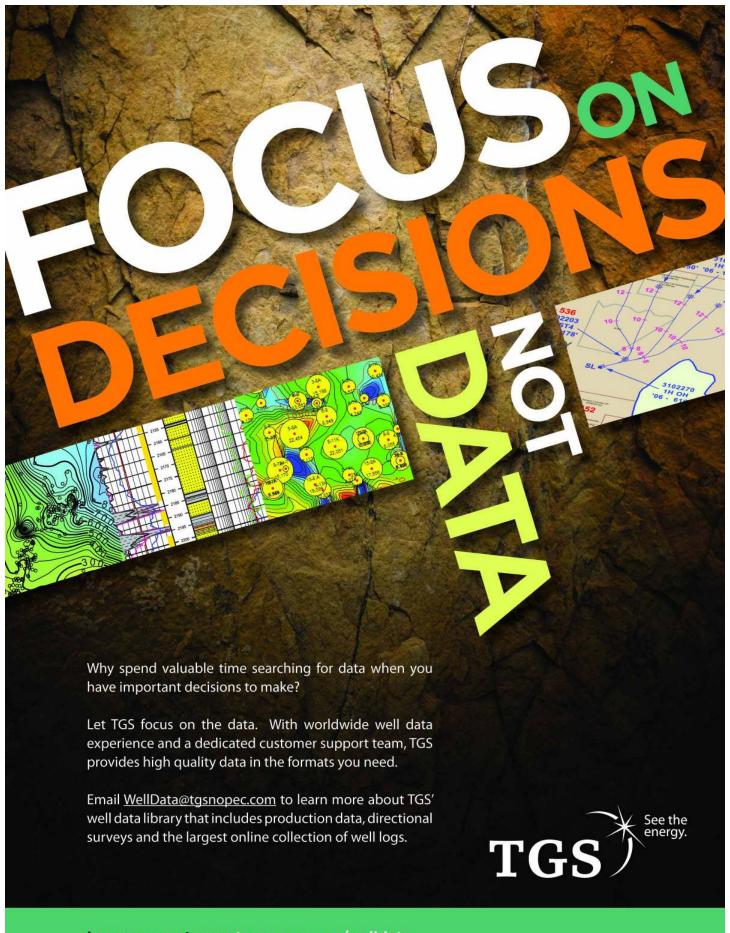
Volume 52, Number 7





January 12 - SGS-NOGS Joint Luncheon

Presentation: The Use of Seismic Emission Tomography (SET) for the Direct Mapping of Frac-Induced Fracture Networks and Their Connection to the Natural Permeability Field Guest speaker: Laird B. Thompson of UF3 (Utah Faults, Fractures and Fluids) in Auburn, California See page 9 for more information



Learn more at www.tgsnopec.com/welldata



Published monthly by the New Orleans Geological Society. This issue was sent to press on December 15, 2011.

Interested *NOGS LOG* contributors may send requests to nogseditor@gmail.com. Requests for advertising should contact the NOGS office at info@nogs.org.

INSIDE THIS ISSUE

On The Cover

Photo Taken by: Tom Klekamp

Folds in the Rundle Group (Mississippian), Canadian Rockies near Banff, Alberta. Aircraft was a Cessna 180.

FROM THE EDITOR

Happy New Year everyone! I hope everyone enjoyed the holidays. Daisy has a very interesting discussion in her President's Column on the Louisiana Board of Professional Geoscientists. Ed Picou has submitted an article highlighting the memorial that was dedicated to former NOGS Member Dr. Bill Ward.

Just a reminder for members: this month's NOGS luncheon will be held as a joint event with Southeastern Geophysical Society. The luncheon will be held on January 12th at the LePavillon Hotel. Again, please send in your most interesting geological pictures for the *NOGS LOG* cover.

Thanks, David Tatum - NOGS LOG Editor



With reservoirs becoming increasingly complex, you need the most accurate information you can get to better understand your reservoir.

Weatherford Labs helps you get more from your core by combining an unsurpassed global team of geoscientists, engineers, technicians and researchers with the industry's most comprehensive, integrated laboratory services worldwide. From core analysis, sorption, geochemistry and isotopic composition to detailed basin modeling and comprehensive data packages, we provide you with real reservoir rock and fluid information that hasn't been distilled by a simulator or iterated by software.

We call it "The Ground Truth™" – giving you the accurate answers you need for better reservoir understanding. You'll call it a better return on your reservoir investment. To learn more, contact TheGroundTruth@weatherfordlabs.com.



© 2011 Weatherford. All rights reserved. Incorporates proprietary and patented Weatherford technology



Shell has worked in partnership with the NOGS for many years, and is proud to count the society among its closest business associates.

The New Orleans Geological Society was organized in 1941 to foster scientific research and advance the science of geology. Particular emphasis is laid on the exploration for and production of petroleum and natural gas. Related objectives include encouraging the adoption of improved methods of exploration, disseminating pertinent geological and technological data, and maintaining a high standard of professional conduct among its members.

opgee, su/mob, llerle, www.

It's no illusion... Core Lab offers everything you need.



Unconventional resource exploitation • Gas shale experts • Deepwater GOM authority

Capacity for fast turnaround • High-quality people • Global support

Industry leadership and reliability • Proprietary and patented technologies • Experience

www.corelab.com/rd/petroleumservices • 24-hour wellsite service hotline: 504-733-6583



from the President

As most of you may or may not be aware, Professional Geoscience registration has been enacted this year in Louisiana. During the 2010 regular session the legislature voted and passed Senate Bill 788, "The Louisiana Professional Geoscience Act". It was signed June 17, 2010 by Governor Bobby Jindal, becoming Act 974. The bill was to be effective January 1, 2011 but things have fallen behind schedule. The State Boards of commissions contacted NOGS on October 7th 2011 requesting nominations. The NOGS nominations committee, chaired by Scott Wainwright has nominated Eric Zimmerman, and myself representing the First and Second congressional districts. Governor Bobby Jindal has recently appointed Dr. M. B. Kumar as the Chairman of the Louisiana Board of Professional Geoscientists.

If you are interested in reading the 27-page Act 974. you go to this website can http://www.legis.state.la.us/ and search using 2010 regular session, ACT 974 or Senate Bill 788. There are exemptions to the ACT so that some areas of the geosciences will not require a license to perform at this time. I will only mention a few exemptions I found to be notable. First, any work performed by a geoscientist which is for archeological purposes. Secondly, research performed through an academic institution, local, state or federal governmental agency. Third, work performed exclusively in the exploring for and the development of oil, gas or other energy resources, base metals, or precious or non-precious minerals including sand, gravel or aggregate, if the work is done in and for the benefit of private industry. Finally, geoscientific work conducted by an employee or a subordinate of a license holder provided the work does not include the responsible

charge of geoscientific work and is performed under the direct supervision of a licensed geoscientist who is responsible for the work.

Even though some of you may work exclusively in an area that does not require registration, you should still consider joining during this grandfathering period. Surely after this period there will be a examinations and a more rigorous application process. There is no guarantee that these exemptions will remain in the future.

According to the Act, anyone applying before January 1, 2012, will not be required to submit examination results, provided they meet certain statutory requirements. Since the Board has not been appointed, there is no application process set. What you can do at this time is write a letter to Dr. M.B. Kumar, stating your intent to apply for professional geology licensure including your personal information. He will consider that as an application so you can be included in the grandfathering clause.

Physical Address: Dr. Madhurendu Kumar

LADNR-Office of Conservation 617 N. Third, 9th Floor

Baton Rouge, LA 70802

Email: madhurendu.kumar@la.gov

Happy New Year! Speaking of the New Year, have you made a New Year resolution? If not, maybe you should consider "remain or become an active member of NOGS."

Daisy

NOGS Office

Office Manager: Annette Hudson

Office Hours: 8:30 a.m. – 3:30 p.m. on Monday-Wednesday-Friday

Tel: 504-561-8980 Fax: 504-561-8988

E-mail: info@nogs.org Website: www.nogs.org
The office is located at Suite 300, 810 Union Street, New Orleans, LA 70112.

Correspondence and all luncheon reservations should be sent to the above address.



BOARD OF DIRECTO	ORS	Company	Phone	E-mail	
President	Daisy Pate	US Army Corp of Engineers	504-862-1775	daisy.pate@gmail.com	
Vice President	Fran Wiseman	BOEM	504-736-2912	snowde.fran@gmail.com	
Secretary	Chuck Holman	Independent	504-975-6735	charleswholman@bellsouth.net	
Treasurer	Bay Salmeron	TGS	504-524-3450	bay.salmeron@tgs	nopec.com
President-Elect	Will Jorgensen	Shell	504-728-6339	william.r.jorgenser	n@shell.com
Editor	David Tatum	Chevron	985-773-6477	nogseditor@gmail.com	
Director 2012	Arthur H. Johnson	Hydrate Energy International	504-464-6208	artjohnson51@hotmail.com	
Director 2013	Jack Langford	JCL Services	985-764-2527	jclangford@latterblum.com	
Director 2014	Michael N. Fein	W & T Offshore	504-210-8148	mikef@wtoffshore	e.com
COMMITTEE	Chairperson				
AAPG Delegates	William M. Whiting	Consultant	504-947-8495	bootscon@aol.com	n
AAPG Student Chapter	Michael Hopkins	Tulane University	228-209-2262	mhopkin2@tulane.edu	
AAPG Student Chapter	Drew Boudreaux	UNO	337-578-5587	apboudr1@uno.edu	
Advertising-LOG	Kimberly Maginnis	W & T Offshore Inc	504-210-8174	kmaginnis@wtoffshore.com	
Auditing	Will Jorgensen	Shell	504-728-6339	william.r.jorgensen@shell.com	
Awards	Michael N. Fein	W & T Offshore	504-210-8148	mikef@wtoffshore.com	
Ballot	Bay Salmeron	TGS	504-524-3450	bay.salmeron@tgsnopec.com	
Best Paper	Brenda Reilly	Geological Consulting LLC.	504-430-4240	reillybe@yahoo.com	
Continuing Education	TBA				
Employment Counseling	TBA				
Entertainment	Will Jorgensen	Shell	504-728-6339	william.r.jorgenser	n@shell.com
Environmental	Daisy Pate	US Army Corp of Engineers	504-862-1775	daisy.pate@gmail.	.com
External Affairs	Michael A. Fogarty	Sylvan Energy, LLC	603-523-4808	mike.a.fogarty@g	mail.com
Field Trip	TBA				
Finance and Investment	Bay Salmeron	TGS	504-524-3450	bay.salmeron@tgsnopec.com	
Historical	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth.net	
Membership/Directory	Carlo C. Christina	Retired (C & R Expl. Inc)	504-835-4116	Carlocc398@aol.com	
New Geoscientists (NGNO)	Tom Klekamp TBA	Amber Resources	985-845-4046	klekamp@bellsou	th.net
Nominating	Scott A. Wainwright	Bret Exploration Co Inc	504-889-2700	Scott_wainwright	@hotmail.com
Non-Technical Education	Duncan Goldthwaite	Consultant	504-887-4377	DGldthwt@aol.com	
Office Operations	Rick Kear	Schlumberger	504-592-5376	kear1@new-orleans.oilfield.slb.com	
Publications Sales	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth	
Photography	Tom Klekamp	Amber Resources LLC	985-845-4046	klekamp@bellsouth.net	
School Outreach	Thomas C. Bergeon	Century Exploration	504-832-3772	Tom.bergeon@centuryx.com	
Scouting	Carol Rooney	Consultant Geologist	504-835-1909	carolbrooney@aol.com	
Sponsorship/Houston	David E. Reiter	Eni Petroleum		david.reiter@enipetroleum.com	
Technical Projects	TBA			тг	
Ad Hoc Committee on					
University Support	Michael J. Gallagher	Eni Petroleum	713-393-6100	Michael.Gallagher@enipetroleum.com	
NOGS LOG STAFF					
Editor	David Tatum	Chevron	985-773-6477	nogseditor@gmail	com
Editor-Elect	Jordan Heltz	Chevron	985-773-7163	jordan.heltz@chevron.com	
Auxiliary	Susie Baker	NOGA	504-466-4483	sbaker1650@aol.com	
Info Tidbits	David Tatum	Chevron	985-773-6477	nogseditor@gmail	
Drill Bits	Carlo C. Christina	Retired (C & R Expl. Inc)	703 773 0177	drillbits81@yahoo	
Layout	Jannette Inc.	reared (C & R Exp.: Inc)		dimensor e yanot	
Webmaster	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth.net	
NOGS AUXILIARY					
Officers		Phone	Directors	Year	Phone
President	Jean Jones	504-738-8091	Carol Andrews	2010-12	504-887-3432
1st Vice-President	Alma Dunlap	504-737-2678	Susie Baker	2010-12	504-466-4483
2nd Vice-President	Camille Yeldell	504-835-7467	Mary Walther	2010-12	504-392-9332
Secretary	Peggy Rogers	504-392-6323	MaryEllis Hasseltir		504-885-7657
Treasurer	Judy Lemarie'	504-393-8659	Gwenn Swaney	2011-13	504-831-0748
Parliamentarian	Beverly Kastler	504-286-0879	Pat Williamson	2011-13	985-626-6910
Member-at-Large	Linda Peirce	504-393-7365	i at 11111dillison	2011-13	703 020-0710
maniper at Earge	Emida i circo	50 (575 1505			

Upcoming Events and Activities

January 12 - SGS-NOGS Joint Luncheon

*** At LePavillon Hotel ***

Guest speaker: Laird B. Thompson of UF3 (Utah Faults, Fractures and Fluids) in Auburn, California, will present: The Use of Seismic Emission Tomography (SET) for the Direct Mapping of Frac-Induced Fracture Networks and Their Connection to the Natural Permeability Field

(See page 9 for Abstract and Biography)

ADMISSION: HOLIDAY INN DOWNTOWN SUPERDOME with reservation \$30.00 Check with concierge or without reservation......\$35.00 front desk for location Student Member with reservation Free Lunch served at 11:30am

February 6 - NOGS Luncheon

Holiday Inn Downtown Superdome. Guest speaker and topic to be announced.

February 20-21 - HGS: Applied Geoscience Mudrocks Conference

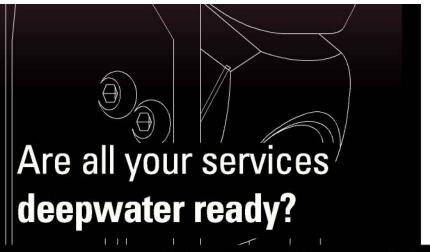
The Westin Houston Hotel, Houston. Information: www.hgs.org.

NOGS CONTACT LIST

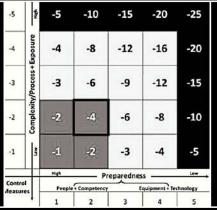
--- continued from previous page ---

MEMORIAL FOUNDATION							
BOARD OF TRUS	STEES	Company	Phone	E-mail			
2011-12 Chairman	Rick Kear	Schlumberger	504-592-5376	kear1@new-orleans.oilfield.slb.com			
2011-12 Secretary	Daisy Pate	US Army Corp of Engineers	504-862-1775	daisy.pate@gmail.com			
2011-12 Trustee	Monte Shalett	Berkshire Exploration Co	504-831-7779	mshalett@gmail.net			
2011-12 Trustee	James Swaney	BOEMR E	504-736-2677	james.swaney@boemre.gov			
2012-13 Trustee	Jennifer Connolly	Shell	504-728-6411	jennifer.connolly@shell.com			
2012-13 Trustee	William M.Whiting	Consultant	504-947-8495	bootscon@aol.com			
2013-14 Trustee	J.David Cope	ANKOR Energy LLC	504-596-3672	dcope@ankorenergy.com			
2013-14 Trustee	Tom Klekamp	Amber Resources LLC	985-845-4046	klekamp@bellsouth.net			
AAPG DELEGATES							
Term Ends	W/:11: W/I-:4:	Consultant	504 047 9405	bootscon@aol.com			
2012	William Whiting Jim Zotkiewicz	Zot Oil & Gas	504-947-8495				
2012			504-831-4694	jimzot38@zotoil.com			
2012(a)	David E. Balcer Richard J. Stancliffe	Chevron	985-773-6725	dbalcer@Chevron.com richard.stancliffe@shell.com			
2012(a)		Shell Expl & Prod Co.	504-728-7553				
2014	Arthur H. Johnson	Hydrate Energy International		artjohnson51@hotmail.com			
2014	Brenda Reilly	Geological Consulting LLC.	504-430-4240	reillybe@yahoo.com			
2014(a)	Elizabeth C. McDade	McMoRan Exploration Co	504-582-4510	ecmcdade@bellsouth.net			
2014(a)	Frances A. Wiseman	BOEMRE	504-736-2912	frances.wiseman@boemre.gov			

MEMODIAL FOUNDATION

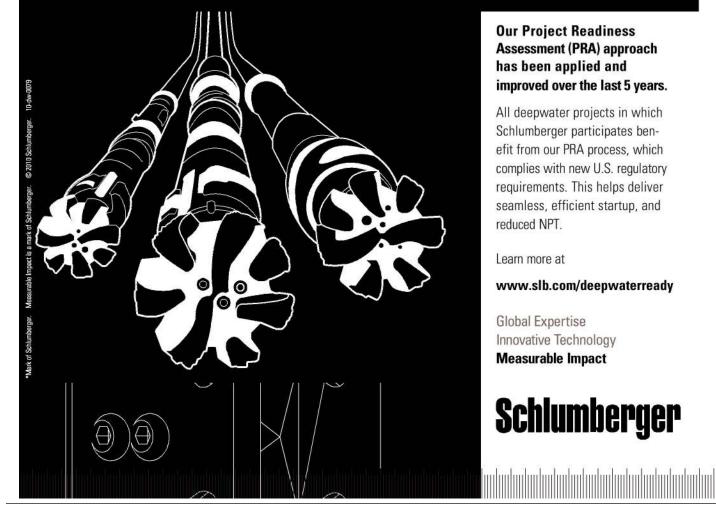


Deep Water









Our Project Readiness Assessment (PRA) approach has been applied and improved over the last 5 years.

All deepwater projects in which Schlumberger participates benefit from our PRA process, which complies with new U.S. regulatory requirements. This helps deliver seamless, efficient startup, and reduced NPT.

Learn more at

www.slb.com/deepwaterready

Global Expertise Innovative Technology

Measurable Impact

Schlumberger

January 12 SGS-NOGS Joint Luncheon Presentation

***At LePavillon Hotel ***

The Use of Seismic Emission Tomography (SET) for the Direct Mapping of Frac-Induced Fracture Networks and Their Connection to the Natural Permeability Field

presented by

Laird B. Thompson, Ph.D.*

UF3 (Utah Faults, Fractures and Fluids) - Auburn, California

ABSTRACT

A microseismic study was conducted in a shale gas reservoir in the eastern US in order to monitor a nitrogen frac job and to determine if direct observation could be made of the frac growth and of the natural fault and fracture fairways that are the main producing features in the reservoir. Using data from a series of frac stages, combined with an array of other data sets including field-wide pressure monitoring, interference testing as well as chemical and radioactive tracer testing, a 3D volume rendering of the reservoir production system has been attained. It is further shown that imaging micro-seismic acoustic energy can yield

results that give significant insights into reservoir performance and that crustal deformation theory which predicts fracture control on permeability attributes appears sound. When interpreted using seismic tomorgaphic processing principles, analyzed using crustal-physics based techniques and integrated with other data sets, micro-seismic data provide a powerful tool for optimizing production management in complex and unconventional reservoirs.

*Co-Authors: Geiser, P., Vermilye, J., Lacazette, A., Thompson, L., Hellman, S. and Dricker, I.

BIOGRAPHY

Dr. Laird Thompson has more than 40 years of experience in the oil & gas industry, starting with Mobil Oil in 1975 in Dallas. He spent the first 15 years working stratigraphic and sedimentological problems for exploration and production assets at Mobil. In the late 1980s he started working with borehole image technology for aiding downhole geological analysis and became interested in the fractures that show up in virtually every image log. In following this area of interest, Laird worked his way to becoming the head of Mobil Oil's R&D program on Fractured Reservoir Characterization from 1995 to 2000 - a study group of about 15 participants with an annual budget approaching \$1MM. Declining an opportunity to work for ExxonMobil, Laird set up a consulting firm with colleagues to work on fractured reservoirs and for the past 10 years has been a managing partner for UF3 (Utah Faults, Fractures and Fluids), has consulted on reservoirs world-wide including offshore Vietnam, Argentina, the Middle East and North America. He has taught an industry seminar on fractured reservoirs through Nautilus GTA, has published a SPE Primer on fractured reservoirs with Wayne Narr and David Schechter, and has published two versions of a CD publication on borehole imaging technology through AAPG.

Laird became interested in microseismics in 1999 when presented the initial theory and application by Dr. Peter Geiser and has been working with Peter & associates for the past 10 years to bring this technology to commerciality. Laird's specialty is in integrating TFIs (Tomographic Fracture Images) with other geological and engineering aspects of fractured reservoirs for optimizing reservoir management of these complex reservoirs - in both conventional and unconventional systems.

Laird earned a B.S. degree from Stanford, a M.S. from the University of California at Davis and a PhD from the University of Texas at Dallas. He currently serves as an adjunct professor of geology at Utah State University and has been an active participant in AAPG, SPE and SPWLA.

THE LUNCHEON RESERVATION DEADLINE IS JANUARY 7 - CONTACT THE NOGS OFFICE

"And Looking Ahead ..."

The next luncheon will be be held on February 6th. Guest speaker and topic to be announced. Contact the NOGS office at 561-8980, or use the PayPal link on the NOGS website (www.nogs.org) to make your reservation.





We admit it. We're seismic nodal fanatics. Always have been.

Which explains our one-of-a-kind, cable-free ZNodal[™] systems.

They work wonders in dense urban areas and pristine wilderness, in shallow water and deep ocean regions.

In fact, our exclusive ZNodal technol-

ogy is behind everything we do, from acquisition and licensing to advanced processing and imaging, bringing nodal data to life in amazing ways.

Right now, our ZNodal systems are on the job in some of the world's most challenging fields, making a powerful difference. So

when you're ready to go nodal, count on us to lead the way. ZNodal technology: It's what you need. It's what we're all about.

fairfield oda systems acquisition licensing processing imagin

NEW! Oil & Gas Fields of South Louisiana

26 FIELDS NEW PRODUCTION

BAYOU POSTILLION BAYOU VILLARS BLACK BAY COMPLEX

BLACK BAY EAST - NORTHERN BLOCK BLACK BAY NORTH - EASTERN EXTENSION BRETON SOUND BLOCK 53

CREOLE - WEST CAMERON BLOCK 2

EUGENE ISLAND BLOCKS 10/24

FRESHWATER BAYOU

JUDGE DIGBY

KENT BAYOU (ETOUFFEE)

LAC BLANC

LAKE BOEUF SOUTHWEST

LAKE BOUDREAUX

LAKE SALVADOR

LAKE WASHINGTON

MANILA VILLAGE SOUTHEAST

MYETTE POINT NORTHWEST

PATTERSON

PINE PRAIRIE

PORT HUDSON

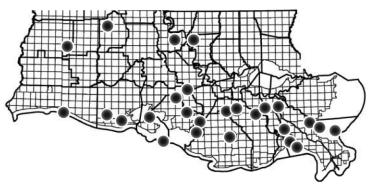
RAMOS (LILY BOOM)

RIGHTHAND CREEK

SATURDAY ISLAND SOUTHEAST

STELLA

THIBODAUX AND ROUSSEAU WEST COTE BLANCHE BAY



CD VERSION LOADED WITH DETAILS AND **FEATURES**

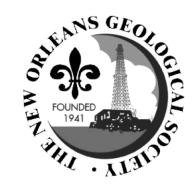
GEOLOGY, GEOPHYSICS, MAPS, X-SECTIONS, LOGS, STRAT AND PALEO

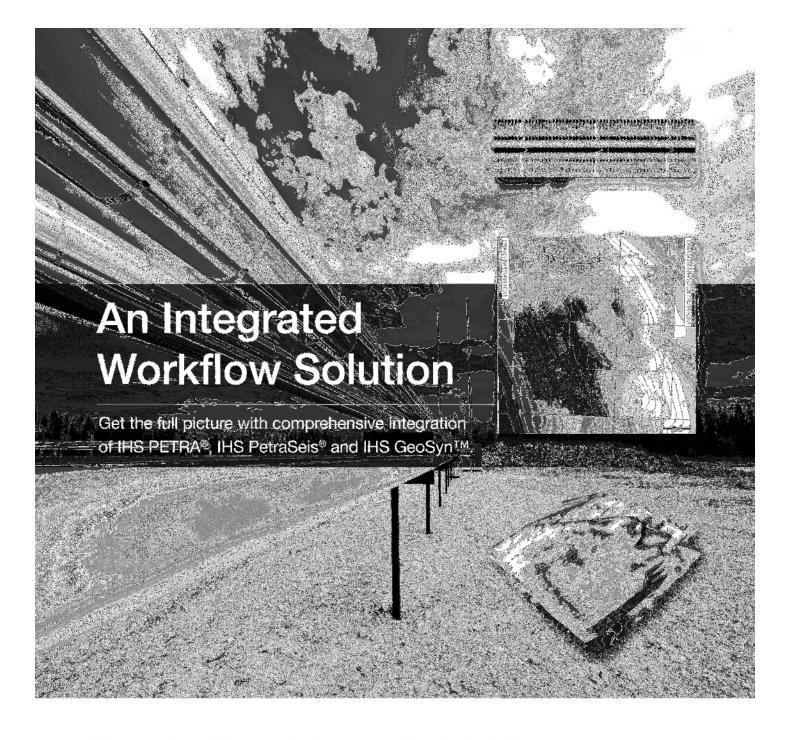
IN COLOR!

UPPER MIOCENE THROUGH CRETACEOUS TUSCALOOSA

EXCLUSIVE IN-DEPTH EXPLORATION-ECONOMICS ANALYSIS OF SOUTH LOUISIANA

> VALUABLE REFERENCE FOR EXPLORATIONISTS EVERYWHERE





When these three solutions seamlessly connect, geological and seismic workflows are streamlined with easy-to-interpret data and modeling tools. This integrated bundle allows you to access, view and manipulate information within the same project; create multidimensional seismic models and synthetics; improve workflow collaboration; and deliver comprehensive proposals for new prospects. Get to the field faster with seismic, well, production, log and economic data at your fingertips.

See more solutions at www.ihs.com/nogs



2011 Oil History Symposium – Marietta, Ohio Plans for 2012 - Houston

The Petroleum History Institute (PHI), in collaboration with the Ohio Oil and Gas Energy Education Program, held its 2011 annual symposium and field trip at historic Marietta, Ohio, on the banks of the Ohio River. Participants were treated to a wide variety of talks and poster presentations ranging from the history of oil and gas in Ohio to the many contributions to the industry from Baku. On the field trip, the group visited the Thorla-McKee Well, a salt water well drilled in 1814 that produced the first commercial oil in Ohio as well as seeing an old, but still operating, natural gas engine attached to a very large band wheel driving several pump-jacks (shackle line) – still producing Ohio crude after about 100 years, and a wonderful stop at the Parkersburg Oil and Gas Museum in Parkersburg, West Virginia. The trip ended with a tour of the Petroleum Engineering Department at Marietta College. **The next Oil History Symposium and Field Trip will be held in Houston, Texas, March 8-10, 2012.**

In the past, we have held the symposium in Oil City, PA, Long Beach, CA, Wichita, KS, Shreveport, LA, Lafayette, LA, Oil Springs, Ontario, and in WV.

Mission of PHI: To pursue the history, heritage, and development of the modern oil industry from its 1859 inception in Oil Creek Valley, Pennsylvania, to its early roots in other regions in North American and the subsequent spread throughout the world to its current global status. See the following web site for more information: www.petroleumhistory.org.

PHI also publishes a yearly journal, *Oil-Industry History*. Our membership includes geoscientists, engineers, historians, museum curators, authors, etc.

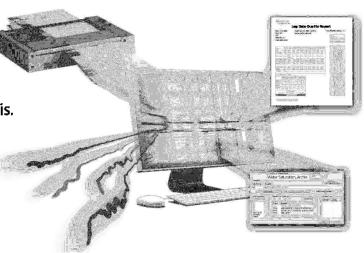
We look forward to another stimulating symposium next year at the Houston meeting, March 8-10, 2012. The abstract deadline is January 15, 2012, so start thinking about your subject, and send the abstract to Bill Brice, wbrice@pitt.edu. For more information, contact Jeff Spencer (spencerj320@gmail.com). Plans are to hold a meeting soon for those interested in serving on the 2012 Oil History Symposium Committee.



Powerful Log Data

Create the most powerful log data available with the NeuraScanner for log capture and NeuraLog for automated digitizing and analysis. See how the NeuraScanner and NeuraLog can help you complete your projects efficiently.

- · Scan logs at 10" per second
- Color, grayscale and b&w
- Automated digitizing
- Log Data Validation
- Curve Calculations



Year-End Packages Now Available

1.281.240.2525





© 2011 Neuralog - www.neuralog.com - 1.281.240.2525 - 1.800.364.8728

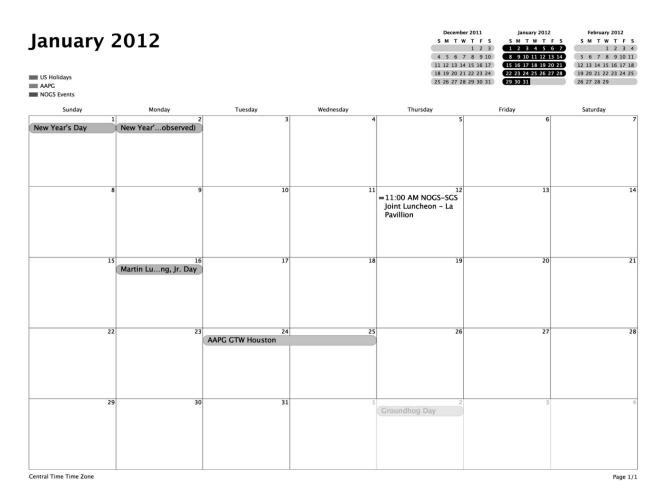


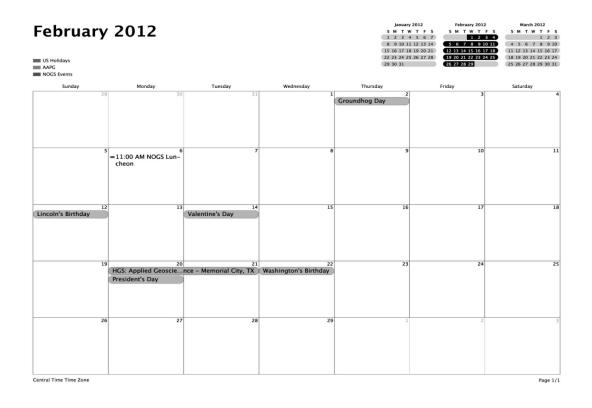
Strategic Speculative Surveys Geophysical Data Marketing & Management Full Service
National
Seismic Data
Marketing Firm

New Orleans
Dallas
Houston
Denver
Oklahoma City
Corpus Christi
Tulsa

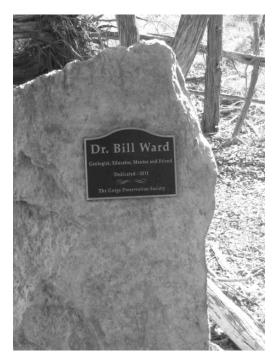
201 St. Charles Avenue, Suite 4300, New Orleans, Louisiana 70170-4300
Telephone 504.581.7153 Fax 504.581.9591
www.seismicexchange.com

New Orleans Geological Society Calendar





Memorial Dedicated to Dr. Bill Ward at Canyon Lake Gorge, Texas



Dr. Bill Ward's plaque on memorial rock; photo by Jeff Spencer

On Saturday, November 5, 2011, members of the Gorge Preservation Society held a plaque dedication ceremony at the Canyon Lake Gorge, located northwest of New Braunfels, honoring the memory of Dr. Bill Ward for his many years of unselfish service for the promotion and preservation of the gorge. Although the ceremony was sponsored by the Gorge Preservation Society, members of many naturalist groups from the Texas Hill Country area participated in the event. Several in attendance spoke of their fondness for Dr. Ward and how he always found time to meet with them and give presentations to their groups.

Dr. Ward passed away on January 8, 2010. He was a long-time NOGS member and participated in many NOGS activities, from editing the GCAGS *Transactions* to leading field trips. A Memorial for him was published in the February, 2011, issue of the *NOGS LOG*. Appreciation is expressed to Jeff Spencer for providing information about the dedication event and for photos.

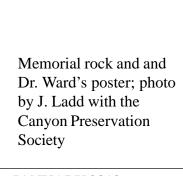
Ed Picou



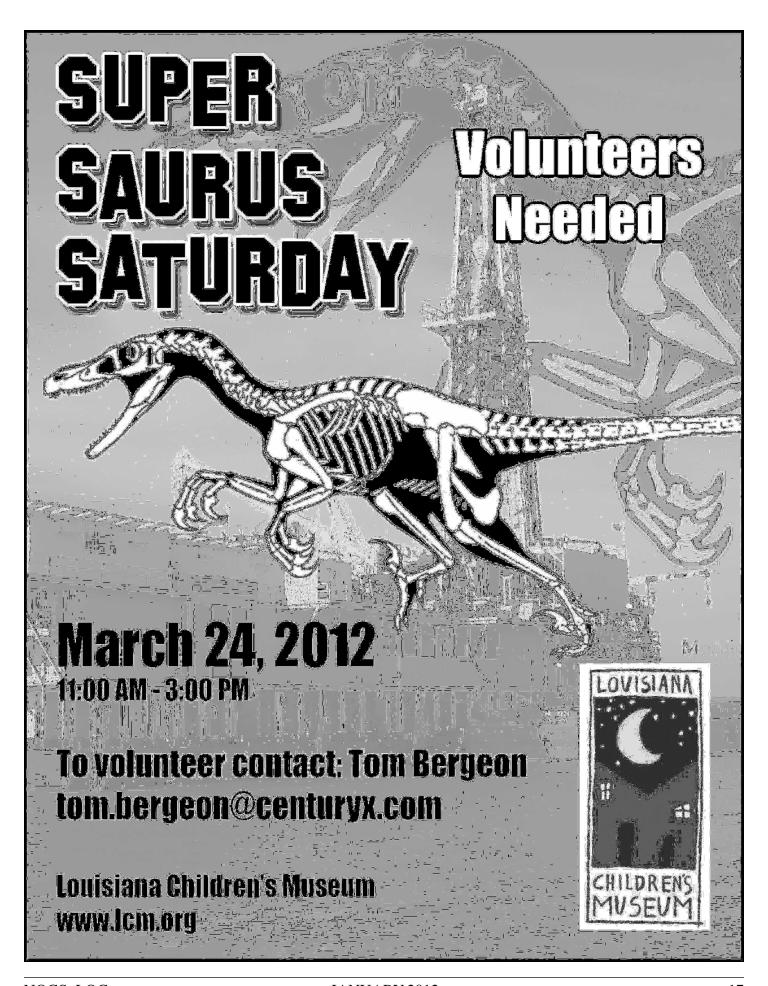
Bill Ward in his office at UNO, c. 1990



Dr. Ward's poster; photo by J. Ladd with the Canyon Preservation Society



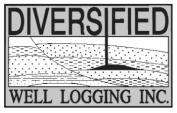






Relax. We'll keep you posted.

You rig is offshore and you are not. How do you know what's going on so many miles away? You know because we tell you. Daily or even hourly, Diversified Well Logging's engineers update you on the status of your rig. We are your eyes and ears, especially when it comes to deep water or high pressure, high temperature areas. Diversified offers 24-hour surface evaluation. We provide secure and customized real-time data communication, in-house research and development and 24/7 on-call support for our equipment and our engineers. Whether you have a 10-day job or 110-day job, we provide the specialized attention you require. So, relax. We're with you every step of the way.

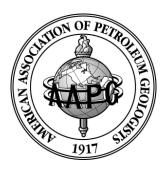


Serving the Gulf Coast for over 40 years.

New Orleans • Lafayette • Houston • Dallas • Corpus

800.280.2096

711 West 10th Street • Reserve, LA 70084 • Phone: 985.536.4143 • Fax: 985.536.2427 sales@dwl-usa.com



Very Large Oligocene Age Frio Reservoirs at Great White Field in the Ultra-Deepwater of the Gulf of Mexico Offer Significant Development Challenges and Long-Term Growth Potential

Eikrem, Vern¹; Thompson, Jill¹; McKee, Bryce¹; Li, Ruijian¹; Keller, James²; Hamilton, Yulia²; Gray, Gary¹ (1) Shell Exploration & Production Co., Houston, TX.

(2) Shell International Exploration & Production Co., Houston, TX.

The Great White Field is located in the PerdidoFoldbelt in the western Gulf of Mexico, 200 miles south of Freeport, Texas. Water depth in the field is 8000ft. Great White was discovered in 2002 by exploratory well AC857-1. A total of three oil-bearing formations have been penetrated in the field: M. Oligocene age M. Frio Fm. Sands, L. Eocene U. Wilcox Fm. Sands, and L. Paleocene L. Wilcox Fm. Sands.

The Great White Field is one of a number of northeast-southwest trending, compressional structures in the Perdidofoldbelt and is just south of the prominent Sigsbee Escarpment. The structure is a complexly faulted, four-way closure. The main structure is a fold-thrust that is fully offsetting at depth, but dies out into a fold at the Oligocene level.

The oil bearing M. Frio Sands at Great White have been buried to a depth of about 1500 to 3500ft below the mudline. Low overburden pressure and reservoir temperature result in the M. Frio sands remaining highly unconsolidated and uncompacted. These six, low pressure reservoirs contain biodegraded, low GOR, 18 degree API oil.

M. Frio sands are composed of fine grained, feldspathiclitharenites. There is an abundance of unaltered, volcanic glass fragments. The presence of glass and the lack of mechanical compaction or chemical alteration of the original sediment results in very porous, compressible reservoir sands. In addition, these reservoirs are highly faulted. The unusual characteristics of these reservoirs mean that significant uncertainties remain in predicting Frio development well performance; including: the strength of reservoir drive, the risk of compaction-related well failure, uncertain initial permeability distribution, and the degree of permeability degradation with depletion.

M. Frio reservoir quality deteriorates north of the crest of the structure. Well AC813-1 penetrated poor quality, wet M. Frio. The few thin sands that were present had little volcanic glass and abundant clinoptilolite, a zeolite that is an alteration product of volcanic glass.

The M. Frio Sand reservoirs at Great White contain approximately two billion stb of OIP, making these reservoirs a key long-term target for development. However, development presents significant challenges. Thus, we plan a staged development of the Frio to better assess the upside potential and the risks of drilling and producing these reservoirs.

AAPG© **2011** "Reprinted by permission of the AAPG whose permission is required for further use."

South Louisiana and Offshore Gulf of Mexico Exploration and Production Activities

LOUISIANA DISTRICT, ONSHORE AREA By Carlo C. Christina

Within the last month 40 new permits to drill have been approved in the Lafayette District, Onshore Area, with emphasis on deep Wilcox tests and deep extensions to old depleted fields. The Tuscaloosa Marine Shale play continues to attract new drilling with the approval of 1 deep horizontal well and the requests for 3 new units. Following is my report on the TMS activities in the Florida Parishes.

TUSCALOOSA MARINE SHALE REVIEW

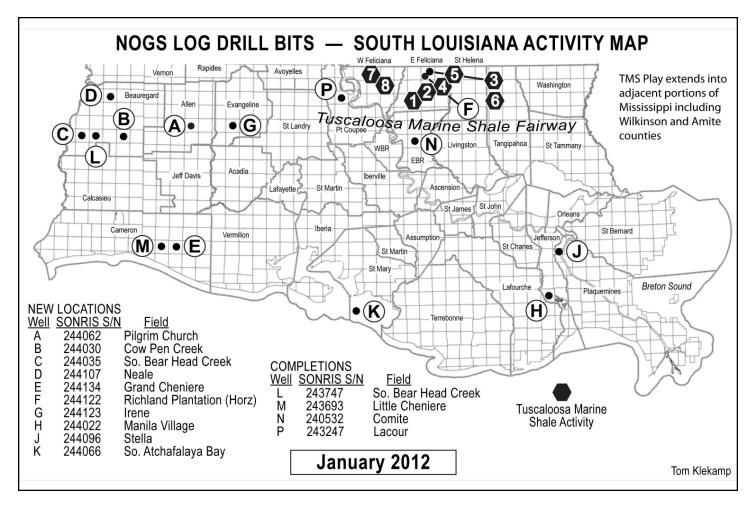
- 1 East Feliciana Parish #1 Lane-T3S-R1E TD 15,528 feet The operator has diamond cored, set casing to total depth, perforated, fracked, and shut in the well. (243108)
- 2 East Feliciana the Devon #1 Beech Grove Land-(H) T2S-R2E TD 17,153 The well has been perforated and fracked in 12 stages. It is flowing back 120 BOPD and 312 BWPD. (243337)
- 3 East Feliciana Devon #1 Richland Farms-(H) T1S-R2 E Proposed 19,000' test. Location (244122)
- 4 East Feliciana Devon Request for unit T2S-R3E
- 5 St. Helena Parish Encana #1 Weyerhaeuser 73 (H) T1S-R4E TD 18,160 The well has been perforated and fracked in 16 stages, and is waiting on tests. (243414)
- 6 Tangipahoa Devon #1 Soterra (H) -T3S-R7E -The well was cored 12460 to 12641, and is drilling at 12,667feet. (243765)
- 7 West Feliciana Devon Request for unit 1S-3W
- 8 West Feliciana Devon Request for unit 1S-3W

NEW LOCATIONS

In Allen Parish, Midstates will drill in the depleted **Pilgrim Church Field**, (A), the #1 Bel Minerals in Sec. 18, 5S-4W to test deep Wilcox sands. The well will be drilled to 16,000 feet, located 1 mile northeast of the abandoned Cockfield wells. The field was discovered in 1957 with drilling limited to 10,000 feet or less and very little oil and gas produced until 1992 when the field went off production. (244062)

El Paso will drill the #1 Crosby Land in Beauregard Parish in **Cow Pen Creek Field**, (B), in Sec. 7, 6S-9W. The well will be drilled to a depth of 15,000 feet to test deep Wilcox sands on the northwest flank of the shallow field which depleted in 2000. The field was discovered in 1951 and produced from the Frio and Cockfield sands between 7000 feet and 9000 feet. The deepest test was drilled to 12,000 feet in 1977, until El Paso drilled its #1 Sherry Miller last month to a depth of 14,265 feet, and is presently waiting on a completion rig. The #1 Miller is located on the east flank of the field, approximately 4 miles east of the proposed #1 Crosby Land location. (244030

Also in Beauregard Parish El Paso will drill the #1 WX RA Van Winkle in Sec. 22, 6S-12W, 3 miles west of production in **South Bear Head Creek Field**, (C). The well will be drilled to a proposed total depth of 15,100 feet, and offsets Cockfield producing wells which are permitted in Fields Field. The South Bear Head Creek Field has been one of the most active fields in the past 2 years with 14 deep Wilcox completions during that time. (244035)



Riceland Petroleum Co. will attempt to extend production in **Neale Field**, (D), Beauregard Parish, with the #3 Phllips Trust, located in Sec. 20, 3S-10W. The proposed well is located 2 miles northeast of production and will be drilled to 12,000 feet. (244107)

In Cameron Parish, in **Grand Cheniere Field**, (E) Brammer Engineering, Inc. will drill the #1 Sturlese, 15000 RC, in Sec. 35, 14S-5W. The proposed well is located 1 mile south of production and will be drilled to 16,394 feet. (244134)

Devon Energy Production Co. will drill a Tuscaloosa Marine Shale horizontal well in East Feliciana Parish in **Richland Plantation Field**. (F), in Sec. 64, 1S-2E. The well will be drilled to a proposed depth of 19,000 feet, in a 5000 horizontal leg. (244122)

In East Baton Rouge Parish LLOG will drill the #1 Crumholt in **Irene Field**, (G), in Sec. 84, 5S-1W to a projected depth of 19,700 feet. This location offsets the #1 Kizer which was completed in 1978 and produced more than 20 years, producing more than 36.6 billion cubic feet of gas and 745,000 barrels of condensate. (224123)

In Jefferson Parish Castex will is drilling the #1 LL&E in **Manila Village Field**, (H), in Sec. 38, 18S-23E. The well will be drilled to 16,351 feet. (244022)

Wagner Oil Company will drill in **Stella Field**, (J), in Plaquemines Parish. The #1 Jeff-Plaq Drainage District is located in Sec. 44, 15S-24E, approximately 1 mile west of production in the field, and will be drilled to 12,300 feet. (244096)

In St. Mary Parish, in **South Atchafalaya Bay Field**, (K), Apache Corporation will drill the #1 SL 20255 to a proposed depth of 22,500 feet, with the apparent objective section being the Cib op series. This well is located 1 mile south of the field which went off production in 2008. (244066)

--- continued on next page ---

COMPLETIONS—

Midstates completed the #1 Charles James in **South Bear Head Creek Field**, (L), Beauregard Parish which extended production 11/2 miles northeast of the field. The well was drilled in Sec. 23, 6S-11W, to 15,129 feet and was completed as an oil well in the Lower Wilcox, flowing 400 BOPD and 1218 MCFD, through perforations 14,000 to 14,062 feet. (243747)

In Cameron Parish, **Little Cheniere Field**, (M), Smith Prod. Co. completed the #1 Mermentau Min. & Ld. In Sec. 13, 14S-6W. The well was completed in the Lower 7050' Sand flowing 1267 MCFD and 63 BCPD through perforations 7220 to 7227 feet. (243693)

In **Comite Field**, (N), East Baton Rouge Parish, Hilcorp (formerly BP) completed the #1 Edwards in Sec. 1, 6S-1E as a gas well in the 18000 TUSC RB Reservoir, flowing 8044 MCFD and 754 BCPD through perforations 18,524 to 18,536 feet., (corrected). The Edwards well was originally drilled and operated by BP, which drilled to total depth, set casing, and waited on a completion rig. Hilcorp has now acquired all BP holdings in the Tuscaloosa properties in the Baton Rouge area. (240532).

Anadarko has completed an excellent oil well in the Austin Chalk in **Lacour Field**, (P), Pointe Coupee Parish. The #1 Lacour was drilled to 21,994 feet and completed flowing 3000 BOPD and 2500 MCGD through perforations 14,955 to 21,920 feet. It was drilled in Sec. 43, 3S-8E, and located 1 mile southeast of the 1 well field which was completed in 1994 and produced only 87,000 barrels of oil before going off production in 2002. (243247)

OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITES

By Al Baker

Between October 2nd and December 2nd, the BOEM issued 142 drilling permits, of which 74 were for Gulf of Mexico shelf wells and 68 were for Gulf of Mexico deepwater wells. Twenty-six of the above permits are for new wells; 13 permits are in shallow water, and 13 permits are in deepwater.

The shelf new well permits are for 5 exploratory wells and 8 development wells. The exploratory wells that are to be drilled include the High Island Block A-171 Walter Oil & Gas #1, the South Marsh Island 242 Marlin GOM #1, the Ship Shoal 134 Contango #1, the McMoRan South Timbalier 188 #3 and the Apache South Timbalier 318 #1. The shelf development activity includes two wells by Hall-Houston (West Delta 89 #D-2 and #D-4), 1 well by ANKOR Energy (Ship Shoal 218 #B-9), 1 well by Phoenix Exploration (Main Pass 59 #I-2), 1 well by Apache (Ship Shoal 189 #A-10), 1 well by Chevron (Vermilion 245 #G-6), 1 well by Black Elk Energy (East Cameron 160 #A-8), and 1 well by EPL (East Cameron 111 #2).

The deepwater new well permits are for 12 exploratory wells and 1 development well. Chevron/Union Oil will drill 8 of the exploratory wells in the Walker Ridge Area.

Their exploration tests include the Walker Ridge 758 #PS-1 and #PS-4, the Walker Ridge 634 #PN-1, #PN-2 and #PN-3, and the Walker Ridge 677 #PS-1, #PS-3 and #PS-4. LLOG plans to drill their #1 exploration test on Mississippi Canyon 431. BP will drill the Keathley Canyon 292 #2 exploration well. Anadarko is planning to drill their #SS-3 exploratory well on Green Canyon 903. Nexen will drill the Green Canyon 327 #1 exploratory well. Finally, Apache plans to drill a Norphlet development test on Mobile 830, offshore Alabama.

According to ODS-Petrodata, as of November 23rd, there were 67 rigs under contract out of the 115 rigs available in the Gulf of Mexico, which translates to 41.7% of the rig fleet remaining idle in the Gulf. On December 2nd, the BakerHughes Rig Counts indicated that there were 42 active rigs in the Gulf, which represents 62.7% of the total rigs under contract or a 5.6% increase from the last *NOGS LOG* report. The 42 active rigs compares to 23 active rigs during the same period last year. This represents a 91.3% increase in the active rig fleet on a year-to-year basis. Although activity is on the rise, GOM drilling still remains sluggish when compared to pre-moratorium rates.

New NOGS Members December 2011

Chloe S. Alexandre

Chevron Geologist 100 Northpark Covington, LA 70433

Nancy Brown

Lafayette Geological Res. Ctr. Manager Ste 33 - 201 Heymann Blvd Lafayette, LA 70503 337-233-8197

Leah R. Grass

UNO Student 2000 Lakeshore Dr New Orleans, LA

Dan J. Hartmann

Owner
P.O. Box 271
Fredericksburg, TX 78624
210-508-7455

John A. Sarao Jr

Paleo Data Inc NannoFossil Specialist 6619 Fleur de Lis Dr New Orleans, LA 70124 504-488-3711

Sassan Mouri

Environmental Res. Mngement Geologist Ste 2725 - 3838 N. Causeway Metairie, LA 70002 512-825-1060

CATEL

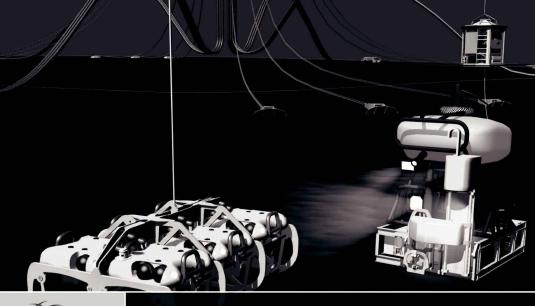
Cotesworth E. Corriber

Tri State Royalties 27800 Canal Rd 320 Orange Beach, AL 36561 251-752-5600



Tom Klekamp presenting Art Johnson his Honorary Life Membership plaque

Finally - An answer for getting reservoir seismic **OVER THE RESERVOIR!**





- 4C/4D Node Seismic
- ANGOLA
- GoM
- NIGERIA

SeaBird Exploration

"Coming Soon to an Oilfield Near You!"

www.sbexp.com

Oslo Rio Singapore T: +47 2240 2700 T: +55 21 2494-0283 T: +65 9180 2605

Trondheim T: +47 7 3879500

RAISING STANDARD



100 Northpark Blvd. Covington, LA 70433

(985) 773-6000



111 Veterans Memorial Blvd. Suite 1550 Metairie Louisiana 70005

www.labayexploration.com

Office (504) 371-5967 Fax (504) 371-5969

For Gravity and Magnetic Data

Count on Fugro...

Brenda Robinson: + 1713-369-6072

brobinson@fugro.com

Jeff Rowe: + 1 613-520-7713

jrowe@fugro.com

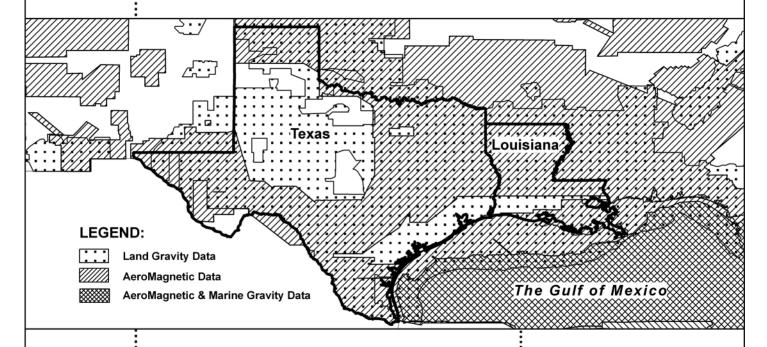
www.fugro-gravmag.com



This advertising space is available! Contact the NOGS office.

For Gravity and Magnetic Data in Texas and Louisiana

Count on Fugro— Mapping Geology to the Basement...



...And beyond with the most comprehensive non-exclusive airborne, land and marine potential fields geophysical database, including AeroMagnetic, Land Gravity, Marine Gravity and Bathymetry data around the world. Interpretation includes:

- Basement architecture
- Tectonic elements
- Structural/geologic fabric
- Salt mapping
- Depth to basement
- ArcGIS deliverables



Fugro Gravity & Magnetic Services

For personal assistance & consultation, please contact fgmsdata@fugro.com or 713-369-6123.

www.fugro-gravmag.com



Submitted by David Tatum

Angel Gonzalez–Dow Jones Newswires-"BP: Halliburton Destroyed Test Results On Deepwater Horizon Cement" December 5th 2011 http://www.rigzone.com/news/article.asp?a_id=113120

BP on Monday accused oilfield-services giant Halliburton of destroying unfavorable results from tests on cement used to plug the leaking well in the Deepwater Horizon disaster.

Halliburton prepared the cement mix that BP had used to plug the deep-water well that blew out in April 2010, killing 11 and unleashing a huge oil spill. In a motion filed with a U.S. court in Louisiana, BP said that Halliburton's own tests after the incident showed the cement slurry was unstable and claimed the company destroyed the results of the test and misplaced key data.

Halliburton destroyed the evidence "in part because it wanted to eliminate any risk that this evidence could be used against it at trial," BP said in the filing. The U.K. oil company says it bases its motion on deposition testimony by Halliburton witnesses and internal documents. Halliburton didn't immediately respond to requests for comment. BP's salvo is the latest in a multipronged legal fight pitting one of the world's largest oil companies against its contractors over their share of responsibility for the U.S. Gulf of Mexico oil spill. BP has said its contractors, including Halliburton, share part of the blame; Halliburton has said that BP directed all operations and is at fault. In September, Halliburton sued BP for defamation, and for providing inaccurate information before the cementing job in the Deepwater Horizon well.

According to BP's filing, Halliburton told its employees in late April or early May 2010 to test a batch of the cement at a facility in Duncan, Okla. The testing showed that the solids in the cement mixture were separating from the liquids, a sign of instability, according to BP.

BP says that a Halliburton employee said under oath that "he destroyed test results in order to keep the information from being 'misinterpreted' in ways adverse to Halliburton in litigation."

Ross Kelly- Dow Jones Newswires - "Conoco Studying North America's Gas Export Potential"

December 8th, 2011 http://www.rigzone.com/news/article.asp?a_id=113218

ConocoPhillips is studying North America's potential to export natural gas, but it isn't high on its priority list and any rush to build terminals on the U.S. coast could face opposition from Washington, Al Hirshberg, the company's Senior Vice President, Planning and Strategy, said Thursday.

Production of shale gas, which is trapped in dense rock formations, is continuing to depress U.S. gas prices and some forecasters are predicting this could encourage U.S. gas producers to liquefy gas for export in large terminals to earn higher prices.

Cheniere Energy recently signed two long-term gas supply deals with offtakers, including BG Group, as it presses ahead with plans to build an LNG export terminal in Sabine Pass, La., which would be the first in the U.S.

Hirshberg said he expects some gas to be exported from the U.S., but he doesn't expect the world's biggest economy to become a major player in the global gas export market in the near term.

"I just don't see it," Hirshberg said. "Five years from now Queensland will be a major spot on the map, as well as Western Australia in terms of LNG export, and the U.S. Gulf coast won't be, that's my prediction."

Conoco is among a host of big oil companies planning to build about a dozen LNG projects in Australia's Queensland and Western Australia states, and its Northern Territory, to feed a projected surge in demand for cleaner-burning fuels from Japan, South Korea and rapidly industrializing economies like China.

Hirshberg said it could be in the U.S. government's interest to limit gas exports, as the current shale gas boom is assisting a fragile economy by keeping energy prices low.

"Canada's a little different," he told Dow Jones Newswires in an interview. "The gas in Canada is stranded, it really doesn't have access to a market so spending the money to liquefy it and get it ready for export is going to make long-term sense."

U.K.-based gas consultancy Wood Mackenzie says the U.S. could be exporting 20 million metric tons of LNG as early as 2018.

Qatar is the world's biggest exporter of LNG, with capacity to ship around 77 million tons each year. But if all the projects in Australia get build, it will produce well over 100 million tons a year, easily surpassing Qatar, which currently has all new LNG developments on hold.

Conoco wants to ship LNG from its US \$14 billion Queensland joint venture with Origin Energy and China Petrochemical Corp. by 2015.

It's also involved in a separate drilling campaign offshore northern Australia with Karoon Gas Australia.

The first stage of the campaign turned up promising results, and Hirshberg said the first well in the second phase will be spudded mid-January with more wells drilled soon afterwards.

Confirmation of large resource means the company could combine with other discoveries in the Browse Basin such as Caldita Barossa to expand the operating Conoco-operated LNG plant at Darwin, Hirshberg said, adding a smaller resource would be more suitable for a floating LNG facility.



An independent gulf coast exploration, development and operating company

Three Lakeway Center, Suite 2800 3838 North Causeway Blvd. Metairie, LA. 70002 Office: 504.832.3750 Fax: 504.832.3760 www.centuryx.com



Geoconsulting, Inc.

Geological and Geophysical Consulting, 3-D Seismic Interpretation

Ben D. Sydboten, Jr. CPG

2 Flagg Pl., Suite 1 Lafayette, LA 70508 www.saigeoconsulting.com

Office (337) 504-3670 Cell (337) 456-8948

"Serving The Oil & Gas Industry Stace 1983"

Geological, Geophysical & Land Drafting



Anthony Catalanotto
President
Stafani Fostar

Stefani Foster Drafting & Design

A Professional Drafting & Graphics Firm

3349 Ridgelake Drive - Suite 202 v Metairie, LA - 70902 Office: (504) 836-2882 - Faz; (504) 836-2877 - (Cell) (504) 481-7291 E-Mail: geodrafi@bellsonth.net Website: www.geodrafibac.com

NORTHCOAST OIL COMPANY

610 E. Rutland St. Covington, LA 70433 (985) 898-3577 (985) 898-3585 FAX Jack M. Thorson Eric C. Broadbridge J. Daryl Gambrell Raymond W. Stephens NOGS thanks our sponsors for their support:

GOLD LEVEL SPONSORS:
CHEVRON
LA BAY EXPLORATION CO, LLC.

SPECIAL THANKS TO DIVERSIFIED WELL LOGGING

(832) 242-6000 (O) (713) 917-0493 (O) (504) 931-7506 (C) johnjurasin@jurasinoilgas.com

JURASIN OIL & GAS

9700 Richmond Ave., Suite # 124 Houston, TX 77042-4821

JOHN M. JURASIN President Cert. Pet. Geologist #4284 Cert. Prof. Earth Scientist #1961

Collarini Energy Staffing, Inc.

Facilities · Drilling · Production · Reservoir Engineering Land and Legal · Geosciences · Information Technology Health and Safety · Management · Supply Chain Accounting · Administrative Support



Full-Time and Temporary Personnel

Energy Trading · Civil Engineering · Executives Human resources · Instrument and Electrical Engineering · Marine Engineering · Project Management Technical Writing · Sales and Marketing

10497 Town and Country Way, Suite 950, Houston, Texas 77094

Telephone: (832) 251-0553

www.collarini.com

This advertising space is available!

Contact the NOGS office.

THE NEW ORLEANS GEOLOGICAL SOCIETY

MEMORIAL FOUNDATION, INC.

The Memorial Foundation is an IRS Tax Exempt Code #501 (c)(3) organization. The Federal I.D. is 72-1220999. Please consider making a donation to the Foundation prior to the close of this year's fiscal cycle on June 30, 2012. Your individual support in any amount will help meet the IRS Guidelines for our Foundation. Thanks!

\$15,000 AND ABOVE

Gibbet Hill Foundation

In Memory of Steve & Marion Millendorf, William J. Prutzman, Roger G. Vincent, Ron Youngblood & Uno Numella

\$10,000

GCAGS

Matching funds

\$4,700

NOGS Golf Tournament May 2011 In Memory of Bill Craig

\$500

Richard G. Klibert Foster E. Voelker

In Memory of Gene Rogas

\$250 TO \$499

Burton C. Bowen

In Memory of Joffre J. Crouere

Marc Cooper

Through the Marathon Oil Co MEPAC Program

Carlo C. Christina

In Memory of Al Gilreath

UP TO \$249

Woods W. Allen, Jr.

In Memory of William C. Ward

Maurice N. Birdwell

In Memory of Uno Nummela

Hilary James Brook

Rob Burnett

J. Svbil Callaway

Chevron

Matching Funds

Arthur F. Christensen

James S. Classen

In Memory of Robert C. Treadwell In Memory of Robert G. Williamson

Clarence F. Conrad

Charley Corona

In Memory of Professor Hubert Skinner

Trudy and Charley Corona

In Memory of Carl Grieshaber

In Memory of Beverly Langford

In Memory of Erik Mason Robert M. Danos

In Memory of Max H. Durham

Dr. Brooks B. Ellwood

Parrish N. Erwin, Jr.

Dwight Easterly

In Memory of James P. Raymond, Jr.

James P. Evans III

In Memory of James P. Raymond, Jr.

Exxon Mobil Matching Funds

Michael N. Fein

Mark J. Gallagher

Arthur J. Garden

Bernard L. Hill, Jr.

Kenneth Huffman

Jeffrey E. Jandegian

Philip W. Johnson

Tom Klekamp

Reuben J. Klibert, Jr.

In Memory of Dale Klibert

Tim Klibert

John C. Kucewicz, Jr.

John C. Langford

H. David Lynch

Jeannie F. Mallick

Louis L.McCormick

Margaret M. McKinney

Robert G. Murphy

In Memory of Ron Youngblood In Memory of Thomas A. Cullinan

New Orleans Geological Auxiliary

In memory of Beverly Langford

Nexen Petroleum USA Inc.

Matching Funds

Richard A. Olsen

Teresa M. O'Neill

In Memory of Brian J. O'Neill

Linda and Bill Peirce

Edward B. Picou Jr.

In Memory of Terry D. Keegan

Richard D. Provensal

In Memory of Thomas H. Philpott

In Memory of James Strahan

Dr. J. O. Snowden

James M. Sothern

Raymond O. Steinhoff

In Memory of Harold E. Vokes

Betsy M. Strachan Suppes

In Memory of Hubert Skinner

David M.Tatum

Leon G. Toups

In Memory Robert G. Williamson

Roy C. Walther

FONO FUND

The FONO Fund accepts contributions that are invested and the income dedicated to assure sufficient financial resources will always be available to maintain the NOGS business office. Contributors are reminded that donations to the FONO Fund are not covered by the IRS 501 (c)(3) tax exempt classification and should be reported as a business expense on your IRS tax report.

\$500

James A. Hartman

In Memory of Hal Hudson In Memory of Robert G. Williamson

UP TO \$250

David E. Balcer Joseph E. Boudreaux J. Sybil Callaway Anthony Carollo, Jr. Richard P. Colomes Clarence F. Conrad Michael A. Danahy John Dombrowski Merle J. Duplantis Parrish N. Erwin, Jr. Richard A. Edmund Michael N. Fein Mark J. Gallagher Bernard L. Hill, Jr. **Kenneth Huffman** Robert M. Jemison, Jr. Arthur H. Johnson Tom Klekamp

Russell J. Landry Louis Lemarie' H. David Lynch Jeannie F. Mallick George M. Markey, Jr. Louis L. McCormick Margaret M. McKinney Robert G. Murphy William J. O'Leary Richard A. Olsen Linda and Bill. Peirce Edward B. Picou, Jr. James P. Raymond, Jr. C. R. Rondeau David M.Tatum Roy C. Walther Robert C. Weissmann William M. Whiting

CONTRIBUTIONS FOR BOTH FUNDS THROUGH DECEMBER 13, 2011.

DONATIONS ARE LISTED FOR ONE YEAR.

William M. Whiting Arthur S. Waterman

In Memory of T. Wayne Campbell

Armour C. Winslow

In Memory of Rita Menzel Winslow

Frances A. Wiseman

In Memory of Steve Widdicombe

In Memory of Bill Craig

Chevron

Bernard L. Hill, Jr.

John C. Scheldt

In Memory of William C. Ward

Candace V. Strahan

In Memory of James Strahan In Memory of William C. Ward

ANSYTHE Donald I. Andrews

504-887-3432

Insythe EXPLORATION

GEOLOGY ENVIRONMENTAL MANAGEMENT

GEM Consulting LTD Michael Louis Merritt

admin@gemconsultingltd.com

THE BOEBEL COMPANY

Oil and Gas Investments

H. WARREN BELL
Oil and Gas Exploration

New Orleans, LA 70153

(504) 866-4313 Hou

on and Gas Exploration

1451 Applewood Road • Baton Rouge, LA 70808

2500 Tanglewilde, Suite 485 Houston, TX 77063-2126 Bus (713) 266-7297 Fax (713) 266-7298

BOO-KER OIL & GAS CORP.

Gray S. Parker

826 Union, Suite 300 Bus. (504) 581-2430 New Orleans, LA 70112 Fax (504) 566-4785 PHELPS GEOSCIENCE LLC

Onshore Gulf of Mexico Geology and Geophysics

Prospect Generation and Evaluation

Houston, TX jsfphelps@yahoo.com (281) 398-5208

C & R EXPLORATION, INC.

Carlo C. Christina Lawrence G. Ringham

RAFIDI OIL AND GAS, INC.

Jaser N. Rafidi, President

4415 Shore Dr., Suite 202 Metairie, LA 70006 Fax (504) 888

2 Bus. (504) 722-2942 Fax (504) 888-5539; Res. (504) 888-1661

C. R. RONDEAU

Petroleum Geologist 119 W Southland Ave.

Res. (906) 932-4692

ROY C. WALTHER Petroleum Geologist

 2421 Prancer Street
 Bus. (504) 392-8513

 New Orleans, LA 70131
 Res. (504) 392-9332

CLASSEN EXPLORATION, INC.

James S. Classen Looking for close in deals

P.O. Box 140637 Boise, ID 83714

Ironwood, MI 49938

Bus. (208) 854-1037 classenlic@msn.com Fax (208) 854-1029

STONE

www.StoneEnergy.com

625 E. Kaliste Saloom Lafayette, LA 70508

16800 Greenspoint Dr., Suite 225-S Houston, TX 77060

1100 Poydras St., Suite 1050 New Orleans, LA 70163

D-O-R ENGINEERING, INC.

3-D and Geoscience Services

6161 Perkins Rd. Bus: (225) 765-1914 P O Box 80812 Baton Rouge LA 70898

TONY CAROLLO

Consulting Geologist Unitization Geosteering Field Studies

1701 Peach Street Bus. (504) 885-0004 Metairie, LA 70001 Res. (504) 885-6829

EDWARD B. PICOU, JR.

Consulting Micropaleontologist - Retired

 228 St. Charles Ave., Suite 1330 C
 Bus. (504) 529-5155

 New Orleans, LA 70130
 Res. (504) 282-3096

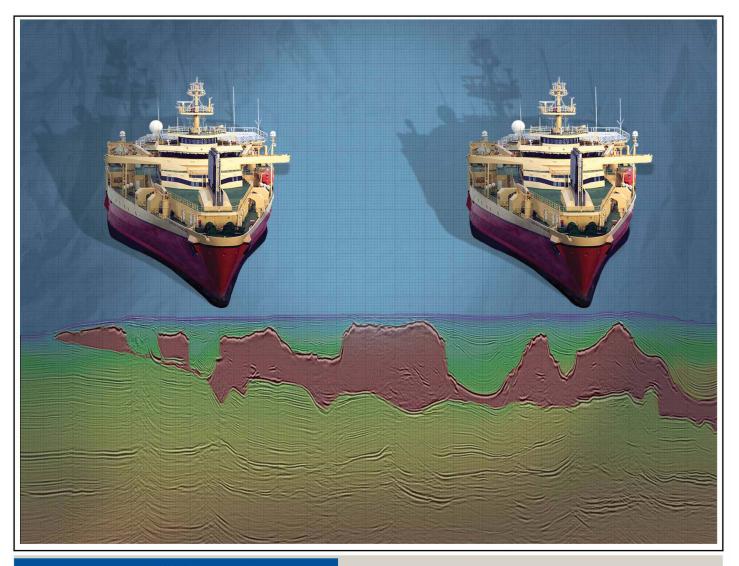
Zot Oil & Gas, LLC

Jim Zotkiewicz

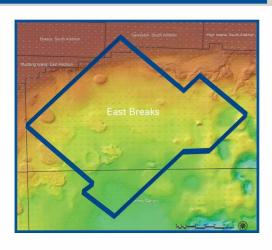
Prospect Generation and Evaluation

3200 Ridgelake Dr. Suite 207 Business: 504.831.4694 Metairie, LA 70002-4930 Email: jimzot38@zotoil.com





Crystal III, East Breaks MultiClient Wide Azimuth

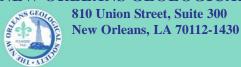


- Size 480 OCS blocks
- Focus Sub-Salt Miocene & Paleogene
- Technology TTI Beam and RTM Imaging
- **Delivery** Available Q4 2010

Houston Tel: +1 281 509 8000 Fax: +1 281 509 8500 Oslo Tel: +47 67 52 6400 Fax: +47 67 52 6464 London Tel: +44 1932 37 6000 Fax: +44 1932 37 6100 **A Clearer Image** www.pgs.com



NEW ORLEANS GEOLOGICAL SOCIETY



WWW.NOGS.ORG

MARINE PROPERTIES, LLC BERKSHIRE EXPLORATION CO

MONTE C. SHALETT, CPL, PRESIDENT

 3030 Lausat Street
 BUS. (504) 831-7779

 Metairie, LA 70001-5924
 FAX. (504) 831-8315

PCI Paleo Control, Inc.
Houston, Texas
713-849-0044

Drilling Wells, Studies and Data Base
Loyd Tuttle Frio, SE Texas
Bob Liska Wilcox, S and SE Texas
Jim Thorpe Miocene and Cam-Miogyp

