

# **BULLETIN**

**Corpus Christi  
Geological Society**



and

**Coastal Bend  
Geophysical Society**



**March  
2015  
ISSN 0739 5620**

# American Shoreline, Inc.



Specializing in  
Oil & Gas Exploration  
& Wind Energy

Compliments of

Paul Strunk, President


Jena Nelson, VP Finance & Administration

Dennis Taylor, VP Geology

802 N. Carancahua  
Frost Bank Plaza, Suite 1250  
Corpus Christi, Texas 78401  
(361) 888-4496

[www.amshore.com](http://www.amshore.com)

## SPONSORS



**NEI**  
Nueces Energy, Inc.  
P.O. Box 252  
Corpus Christi, Texas 78403  
Office: (361) 884-0435  
Fax: (361)-654-1436  
[www.nuecesland.com](http://www.nuecesland.com)

Nueces Energy, Inc. is a complete land services company in the business of providing professional landmen and project management to various energy related jobs primarily in the oil and gas industry.

With over 30 years of industry experience, we specialize in determining surface and subsurface ownership and negotiating and acquiring contracts, rights of way agreements, and easements to provide our clients with the legal right to explore and develop oil and gas resources. We provide a full service land company capable of managing any project no matter how large or small.



**THUNDER EXPLORATION, INC.**  
Celebrating 30+ years of prospect generation and exploration in the following South Texas plays and trends.

Frio	San Miguel	Edwards
Jackson	Austin Chalk	Pearsall
Yegua	Eagle Ford	Sligo
Wilcox	Buda	Cotton Valley
Olmos	Georgetown	Smackover

Thunder is currently seeking non-operated working interest participation in projects and prospects.

Contact Walter S. Light Jr.  
President/Geologist  
713.823.8288  
EMAIL: [wthunderx@aol.com](mailto:wthunderx@aol.com)

# Headington Energy Partners, LLC



---

902 North Tower – 500 N. Shoreline Blvd. – Corpus Christi, Texas  
Phone: (361) 885-0110



## **CORPUS CHRISTI GEOLOGICAL SOCIETY**

**P.O. BOX 1068 \* C.C. TX. 78403**

**2014-2015**

[www.ccgeo.org](http://www.ccgeo.org)

### **OFFICERS**

President	Leighton Devine	361-510-8872	<a href="mailto:ldevine@suemaur.com">ldevine@suemaur.com</a>
President Elect			
Vice President	Randy Bissell	361-885-0113	<a href="mailto:randyb@headington.com">randyb@headington.com</a>
Secretary	Allison Corcoran	361-882-8400	<a href="mailto:allison@aaoperating.com">allison@aaoperating.com</a>
Treasurer	Zachary Corcoran	361-658-5850	<a href="mailto:zcorcoran1982@gmail.com">zcorcoran1982@gmail.com</a>
Past President	Bob Critchlow	361-882-3046	<a href="mailto:bcritchlow@virtexoperating.com">bcritchlow@virtexoperating.com</a>
Councilor I	Rick Paige	361-884-8824	<a href="mailto:rickp@suemaur.com">rickp@suemaur.com</a>
Councilor II	Mike Lucente	361-883-0923	<a href="mailto:mikel@impexploration.com">mikel@impexploration.com</a>

### **AAPG DELEGATES**

2006-14	Dennis Moore	361-886-5144	<a href="mailto:dennis.moore@bakerhughes.com">dennis.moore@bakerhughes.com</a>
---------	--------------	--------------	--

### **EDITORS**

Bulletin Editor	Marian Wiedmann	361-855-2542	<a href="mailto:wiedgulf@aol.com">wiedgulf@aol.com</a>
Bulletin Tech. Editor	Susan Stone	361-739-4759	<a href="mailto:stonesciences@yahoo.com">stonesciences@yahoo.com</a>
Web Master	Chris Davis	361-537-1508	<a href="mailto:cdavis@spurfire.com">cdavis@spurfire.com</a>

### **GEOLOGICAL SOCIETY COMMITTEES & CHAIRPERSONS**

Advertising	Sara Miller	361-887-2691	<a href="mailto:sara_miller@eogresources.com">sara_miller@eogresources.com</a>
Business Cards	Christian Dohse	361-877-3431	<a href="mailto:christian.dohse@gmail.com">christian.dohse@gmail.com</a>
Arrangements	Allison Corcoran	361-888-8288	<a href="mailto:allison@aaoperating.com">allison@aaoperating.com</a>
Bloodmobile	Mike Lucente	361-883-0923	<a href="mailto:mikel@impexploration.com">mikel@impexploration.com</a>
Earth Day	Alan Costello	361-888-4792	<a href="mailto:acostello@royalcctx.com">acostello@royalcctx.com</a>
Continuing Ed.	Stephen Thomas	361-888-8880	<a href="mailto:sthomas@virtexoperating.com">sthomas@virtexoperating.com</a>
Education & Scholarship	Dawn Bissell	361-960-2151	<a href="mailto:bissells@swbell.net">bissells@swbell.net</a>
Fishing Tournament	Leighton Devine	361-882-8400	<a href="mailto:ldevine@suemaur.com">ldevine@suemaur.com</a>
History	Ray Govett	361-855-0134	<a href="mailto:ray30@hotmail.com">ray30@hotmail.com</a>
Membership	Dorothy Jordan	361-885-0110	<a href="mailto:dorothyj@headington.com">dorothyj@headington.com</a>

Type Logs	Randy Bissell	361-885-0113	<a href="mailto:randyb@headington.com">randyb@headington.com</a>
University	Frank Cornish	361-883-0923	<a href="mailto:frank.cornish@gmail.com">frank.cornish@gmail.com</a>
Liaison	Zach Corcoran	361-902-2857	<a href="mailto:zcorcoran1982@gmail.com">zcorcoran1982@gmail.com</a>



**COASTAL BEND GEOPHYSICAL SOCIETY**  
**P.O. BOX 2741 \* C.C. TX. 78403**  
**2014-2015**

**OFFICERS**

President	Lonnie Blake	361-883-2831	<a href="mailto:lonnie_blake@eogresources.com">lonnie_blake@eogresources.com</a>
Vice President	Bob Witherspoon	361-884-8824	<a href="mailto:bobw@suemaur.com">bobw@suemaur.com</a>
Secretary/ Treasurer	Matt Hammer	361-888-4792	<a href="mailto:mhammer@royalcctx.com">mhammer@royalcctx.com</a>

**COMMITTEES AND CHAIRPERSONS**

Membership	Dorothy Jordan	361-885-0110	<a href="mailto:dorothyj@headington.com">dorothyj@headington.com</a>
	Randy Bissell	361-885-0113	<a href="mailto:randyb@headington.com">randyb@headington.com</a>
Golf Chairman	Fermin Munoz	361 960-1126	<a href="mailto:fmunoz04@hotmail.com">fmunoz04@hotmail.com</a>
Scholarship/ Chairman	Ed Egger	361-947-8400	<a href="mailto:edegger69@gmail.com">edegger69@gmail.com</a>
Education	Vicki Marlett	214-557-0815	<a href="mailto:vmarlett@geotrace.com">vmarlett@geotrace.com</a>

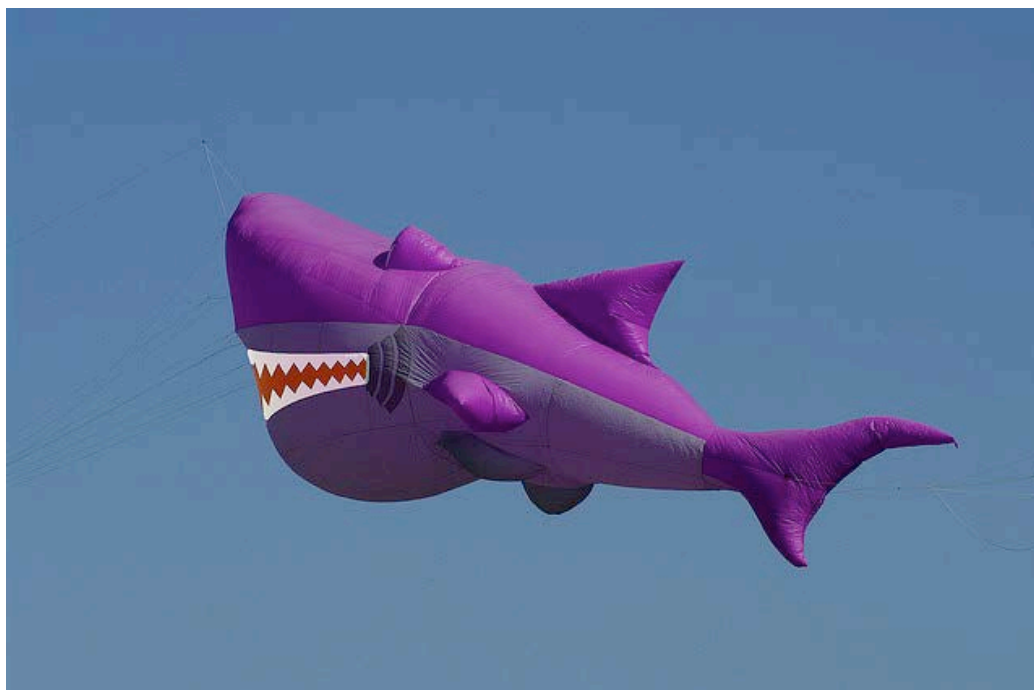
**Visit the geological  
Web site at  
[www.ccgeo.org](http://www.ccgeo.org)**

# TABLE OF CONTENTS

Officers, Committees, and Chairpersons, CCGS, CBGS.....	2 & 3
Blood Drive.....	5
Calendar of Meetings and Events.....	6 & 7
CCGS President's Letter.....	9
CBGS President's Letter.....	11
2015 Annual Shrimp Boil.....	13
Luncheon Meeting Announcement.....	14
Coastal Bend Geophysical Society.....	17
CCGS Scholarship Application.....	18,19
Education Outreach Team.....	22, 23
Enhancing reservoir definition for field modeling and simulation with seismic elastic properties and discontinuity analysis-a case history for Main Pass 61, Gulf of Mexico.....	26
Advertise in the bulletin.....	35
Geo Link Post.....	36
Type Logs of South Texas Fields.....	37
Order OIL MEN DVD.....	38
Wooden Rigs Iron Men.....	39
Professional Directory.....	40

**\*\*\*BLOOD DRIVE\*\*\***

**THE BLOODMOBILE – IN MARCH- 2015  
WILL BE AT SOME CONVENIENT LOCATIONS  
PLEASE CALL 855-4943 for those locations or see below:**



***GO FLY A KITE - AFTER YOU DONATE YOUR BLOOD!***

***HAPPY WINDY MARCH!***

---

**ATTENTION!!!**

**When you give blood: They have us listed as C.C. Geological Society. Our number with them is 4254 & it would be helpful if you can please give them that number also.**

**Thanks! Mike Lucente**

---

**[www.coastalbendbloodcenter.com](http://www.coastalbendbloodcenter.com)**

## CCGS/CBGS JOINT MEETING SCHEDULE 2014-2015

September 2014							October 2014							November 2014						
S	M	T	W	Th	F	S	S	M	T	W	Th	F	S	S	M	T	W	Th	F	S
	1	2	3	4	5	6				1	2	3	4							1
7	8	9	<b>10</b>	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	20	12	13	14	<b>15</b>	16	17	18	9	10	11	12	13	14	15
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	<b>19</b>	20	21	22
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29
														30						

Sept. 10, 2014  
5:30p.m.—8:30p.m.  
Kickoff BBQ  
Howard’s BBQ & Catering  
1002 Antelope Street

Oct. 15—11:30a.m.—1:00p.m.  
Speaker: Ken Williams—  
Halliburton.  
“Barostratigraphy”

Nov. 19—11:30a.m.—1:00p.m.  
Speaker: Tony Hauglum--Rivera  
Exploration. “Eagleford Update”

December 2014							January 2015							February 2015						
S	M	T	W	Th	F	S	S	M	T	W	Th	F	S	S	M	T	W	Th	F	S
	1	2	3	4	5	6					1	2	3	1	2	3	4	5	6	7
7	8	9	<b>10</b>	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	<b>18</b>	19	20	21
21	22	23	24	25	26	27	18	19	20	<b>21</b>	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28	29	30	31							

Dec. 10—11:30a.m.--1:00p.m.  
Speaker: Woodson Godfrey—  
PaleoSource. “Distinguishing a  
Resource Play

Jan. 21--11:30a.m.—1:00p.m.  
Speaker: Lei Zhang—  
Schlumberger. “Seismic  
Inversion to Reservoir  
Simulation”

Feb. 18—11:30a.m.—1:00p.m.  
Speaker: Collegiate Month.  
“Presentation by TAMUCC,  
TAMUK and DelMar”



## CCGS/CBGS JOINT MEETING SCHEDULE 2014-2015

March 2015							April 2015							May 2015						
S	M	T	W	Th	F	S	S	M	T	W	Th	F	S	S	M	T	W	Th	F	S
1	2	3	4	5	6	7				1	2	3	4						1	2
8	9	10	<b>11</b>	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
15	16	17	18	19	20	21	12	13	14	<b>15</b>	16	17	18	10	11	12	13	14	15	16
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	<b>20</b>	21	22	23
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30
														31						

March 11—11:30a.m.—1:00p.m. Speaker: Fred Hilterman “Seismic Attribute analysis for the Gulf of Mexico”	April 15—11:30a.m.—1:00p.m. Speaker: Richard Adams—Carr Resources. The Lower Woodbine Organic Shale of Burlenon and Brazos Counties, Texas: Anatomy of a New “Old” Play	Distinguished Speaker--Mark Papa
--	--	-------------------------------------

### **Calendar of Meetings and Events**

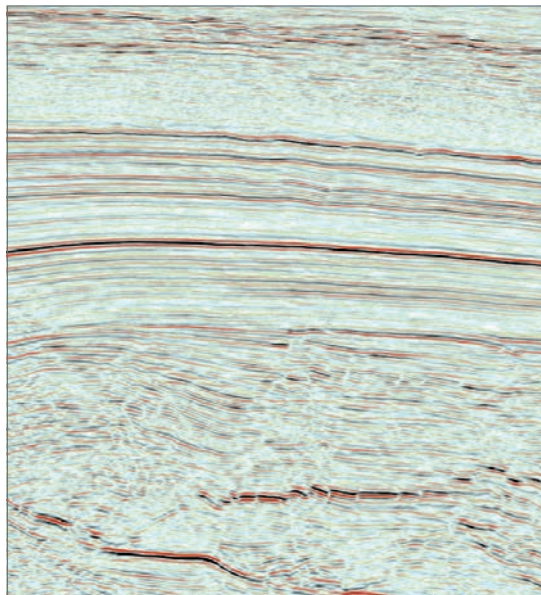
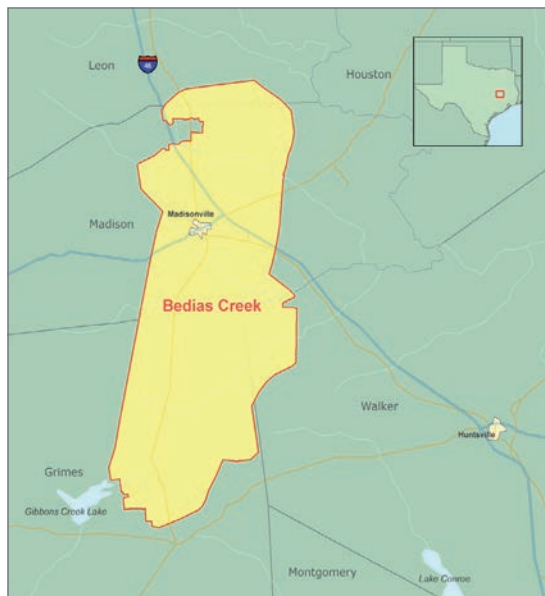
#### **Calendar of Area Monthly Meetings**

- Corpus Christi Geological/Geophysical Society.....Third Wed.—11:30a.m.
- SIPES Corpus Christi Luncheons..... Last Tuesday—11:30a.m.
- South Texas Geological Society Luncheons..... Second Wed—noon San Antonio
- San Antonio Geophysical Society Meetings..... Fourth Tuesday
- Austin Geological Society..... First Monday
- Austin Chapter of SIPES.....First Thursday
- Houston Geological Society Luncheons..... Last Wednesday
- Central Texas Section of Society of Mining, Metallurgy & Exp..... 2<sup>nd</sup> Tues every other month  
In San Antonio



# Bedias Creek 3D

Madison, Grimes, Walker,  
and Leon Counties, Texas



- 323 mi<sup>2</sup> of high-quality, high-fold data (110-fold) acquired using cableless **UNITE** crews and a dynamite source
- State-of-the-art processing, including 5D Interpolation and Orthorhombic Pre-Stack Time Migration
- Data now available

For more detailed information contact us:

Scott Tinley +1 832 351 8544 scott.tinley@cgg.com  
Cheryl Oxsheer +1 832 351 8463 cheryl.oxsheer@cgg.com

[cgg.com/multi-client](http://cgg.com/multi-client)





## CCGS PRESIDENT'S LETTER

Spring is here. Well, not officially. The true first day of spring is March 20th, but the weather down here in Corpus Christi is spectacular. That is not the case for our friends living in the North East. My wife and I have relatives in Michigan, and I can report that Mother Nature has not been nice to them. Record low temperatures, and the word is its going to get colder. If it stays that way much longer I may have some company.

The luncheon speaker for this month is Fred Hilterman. Please join us **March 11<sup>th</sup>** for Fred's talk on Seismic Attribute Analysis for the Gulf of Mexico. I have seen him speak multiple times, and it is always a treat. Very entertaining and informative. Sara Davis with Seismic Ventures has kindly agreed to sponsor the luncheon bar and Pint Night. Please come out and join us Tuesday, March 10<sup>th</sup> at 5:30 for our monthly happy hour.

Collegiate month was a huge success! I really enjoyed hearing from our local colleges, and thanks to a few dedicated society members we pulled it off without a hitch. Thank you to Roger Steinberg (Del Mar College), Dr. Tania Anders (TAMUCC), and Dr. Mark T. Ford (TAMUK) for their time and effort putting together some wonderful presentations.

The NAPE experience this year was interesting to say the least. The range of attitudes regarding the state of our industry was astonishing. Driving home this year and reflecting on the previous 48 hours led me to one thought. The most successful people I ran into at the convention never mentioned the current commodity prices, rig rates, or storage numbers. Most of them simply asked me how I was doing. How old are your kids now? That sort of thing. Business as usual. What a great lesson.

Just a few reminders. The CCGS will be sending out nomination forms for officers via email here in the next week or so. Please be involved in the process. Also, we have a new website (same web address). Please check it out. Let me know what you think. I would love your opinions. This is your website. The CCGS is your society.

Leighton Devine

CCGS President

sponsors



# Winn Exploration Co., Inc.

Actively Seeking High Quality  
Drilling Prospects

## Contacts:

Mike Layman (Geophysicist)	361-844-6922
Tom Winn (Geologist)	361-844-6992
Southern Winn (Geologist)	361-844-6998

800 North Shoreline Blvd.  
19th Floor, North Tower  
Corpus Christi, Texas 78401

Office: 361-844-6900      Fax: 361-844-6901

**WEL-LAB**

HYDROCARBON LOGGING SERVICE



*Operating in South Texas and Gulf Coast since 1961*

*Contact: Mike Bullard*

*P.O. Box 1011*

*Kingsville, Texas 78364*

*361-221-9717*

*Email: md\_bullard@sbcglobal.net*

## A Great Place For Business

In the heart of the Business District  
Broadway at Leopard

- Onsite Management
- Conference Room
- Deli & Vending Room
- Security Card Access
- High Speed Elevators
- View of Corpus Christi Bay

**COMMITTED TO EXCELLENCE**  
Yesterday • Today • Tomorrow

The  
**600**  
BUILDING

Contact  
Ellen Blasingame  
**698-6000**

ecblasingame@netscape.net





## CBGS PRESIDENT'S LETTER

**News** - Oil prices stopped the drop at about \$45? Seismic crews, rigs and permits are falling.

A good summary of some new stuff from the SEG Convention is at the following. [Offshore Magazine Geophysical News](#)

### **Business** -

CBGS needs a couple of volunteers. Bob Witherspoon is taking another position in Oklahoma City and has resigned as VP. Vicki Martlett has also moved on and has left the Education Chairman role open. It would be great to replace both. The VP role can be molded to fit the interested individual but is primarily a back up/advisor role for myself and Matt Hammer (Sec/Treasurer). The VP role for CBGS does NOT have to identify/organize speakers (but can if the individual wants too!!!!). The Education Chairman will work with myself and members to identify, organize and conduct at least one education seminar during the year. Both these roles take little time and it keeps you connected with the geophysical community. Let me know if you are interested.

### **Education** -

- GSH - [Webinar: An Introduction to Velocity Model Building](#) Speaker: Dr. Ian F. Jones (Mention CBGS when you register)

Mon 13-Apr-2015 to Thurs 16-Apr-2015, 8:00 a.m. - 12:00 pm - New virtual course on Seismic Modeling, migration and velocity analysis.

- New SEG Virtual Course - [Seismic Characterization of Organic Richness for Shale Reservoirs](#) List Price: \$ 50.00, Member Price \$40.00.

- SEG has 450+ eLearning courses online from \$0.99 to \$150.00 (most expensive I saw)

<http://www.seg.org/professional-development/seg-on-demand>

**Parting Thought** - An expert is a man who tells you a simple thing in a confused way in such a fashion as to make you think the confusion is your own fault. by William Castle

### **Monthly O&G Statistics**

Seismic Crews - US Onshore	Current Month	Last Month	Difference	(Per SEG/Seismic Crew Reports Survey)
	Onshore/Offshore	Onshore/Offshore		
	45/19	44/21	-1	Dec (-19 crews worldwide)
	Current Month	Last Month	Last Year - Monthly	(Per Texas RRC, last reported)
<b>Texas Production</b>	MMBO/BCF	MMBO/BCF	MMBO/BCF	
Oil	74.9	74.8	66.7	Oct
Gas	675	669	705	
	Current Month	Yr to date - 2014	Yr to date - 2013	Nov
<b>Texas Drilling Permits</b>	1,506	25,792	21,471	
Oil wells	425	7,510	6,717	
Gas wells	92	1,434	1,290	
Oil and Gas wells	922	15,748	12,581	
Other	13	197	203	
<b>Total Completions</b>	1,797	27,478	23,073	Dec
Oil Completions	1,559	24,999	19,249	
Gas Completions	353	3,585	4,917	
New Field Discoveries	3	45	53	
Other	47	970	756	

Lonnie Blake—CBGS President

## Performance You Can Count On

An acknowledged leader in today's exploration and production industry, EOG Resources looks ahead.

Annually, EOG is one of the most active drillers in the United States. We grow through the drill bit, rather than seeking major acquisitions or mergers to bolster our reserves and production. This unrelenting focus on organic production growth has proven successful because we have identified significant North American resource plays for tomorrow. Our creative, hardworking explorationists and those who support them utilize the latest technology available in the marketplace, adapting and modifying it to meet the challenges EOG faces. With a focus on returns, EOG continues to produce peer-leading financial and operational results.

In 2013, EOG became the largest onshore oil producer in the Lower 48, and we're still growing.

### EOG Resources, Inc.

539 N. Carancahua  
Suite 900  
Corpus Christi, TX 78401-0908  
361-883-9231  
[www.eogresources.com](http://www.eogresources.com)



## AS GOOD AS OUR WORD TAP INTO OUR RESERVOIR



**EXPERIENCE** For over a half-century Dawson has helped its clients succeed. In both seismic acquisition and processing, we deliver high quality data that gets clear-cut results. From field equipment to software, we put the latest technologies into the hands of seasoned professionals who have geophysical knowledge specific to all major U.S. basins. Decades of acquiring data and imaging objectives to provide total subsurface picture. That's what our experience gives you.

[www.dawson3d.com](http://www.dawson3d.com)

509 W Wall, Suite 800

Midland, Texas 79701

432-884-3000

800-D-DAWSON

Houston, Texas 713-917-6772

Denver, Colorado 303-723-0440

Oklahoma City, Oklahoma 405-848-7512

Michigan 248-448-9533



Dawson Geophysical Company

Planning • Design • Acquisition • Processing • Results

# 2015 Annual Shrimp Boil

## Dewey's Beer Garden

On the back deck

2302 Rodd Field Road  
(between Holly and Saratoga)

Thursday, March 26, 2015

Starting at 5:30

Boiled Shrimp or Grilled Chicken  
and all the fixin's!

RSVP by Monday March 23 - \$30.00 in advance  
(Money will not be taken at the door)

Please send completed form and payment  
(check payable to EA) to:

Dawn Bissell ~ 253 Circle Dr. ~  
Corpus Christi, TX 78411

Corpus Christi Geological Society,  
Coastal Bend Geophysical Society, and  
Corpus Christi Energy Auxiliary

---

Please list the names of all those attending in your group, and the number of chicken or shrimp plates. All plates \$30.

Names:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ Chicken Plates  
\_\_\_\_\_ Shrimp Plates  
\$ \_\_\_\_\_ Total  
\_\_\_\_\_ check number  
*payable to EA*

Corpus Christi Geological Society & Coastal Bend Geophysical Society

## LUNCHEON MEETING ANNOUNCEMENT

**Wednesday, March 11, 2015**

- Location:** Corpus Christi Town Club, 6<sup>th</sup> Floor (800 North Shoreline)
- Student Sponsor:** Core Lab (Juan Cabasos) and the CCGS
- Time:** 11:30 a.m. Bar, Lunch follows at 11:45 a.m., Speaker at Noon.
- Cost:** **\$25** (a \$3 surcharge if no reservation). No-shows will be billed.
- Bar:** Sponsor: Sara Davis, Seismic Ventures
- Reservations:** Please by Monday before – email [allison@aaoperating.com](mailto:allison@aaoperating.com)

### **Luncheon Topic: Seismic Attribute Analysis of the Gulf of Mexico Presented by: Fred Hilterman**

The fluid factor ( $\Delta F$ ), Poisson impedance (PI), and lambda-rho ( $\lambda\rho$ ) are three seismic attributes commonly used to predict pore fluid and lithology. The pore-fluid sensitivity of these attributes was evaluated with both well-log and seismic data in Tertiary unconsolidated sediments from the Gulf of Mexico. While the sensitivity of one attribute versus another to discriminate pore fluid is often debated, the sensitivity of the three attributes are not independent but can be traced back to the fluid factor. The three attributes along with their statistical distributions for different pore fluids were measured in 183 reservoirs and then used to calibrate the seismic amplitude in a 3D survey to “true” reflectivity values thus allowing quantitative pore-fluid classification. Surprisingly, the calibrated reflectivity attribute (fluid factor) showed a more robust pore-fluid interpretation than the inversion attributes of Poisson impedance and lambda-rho.



continued on page 15



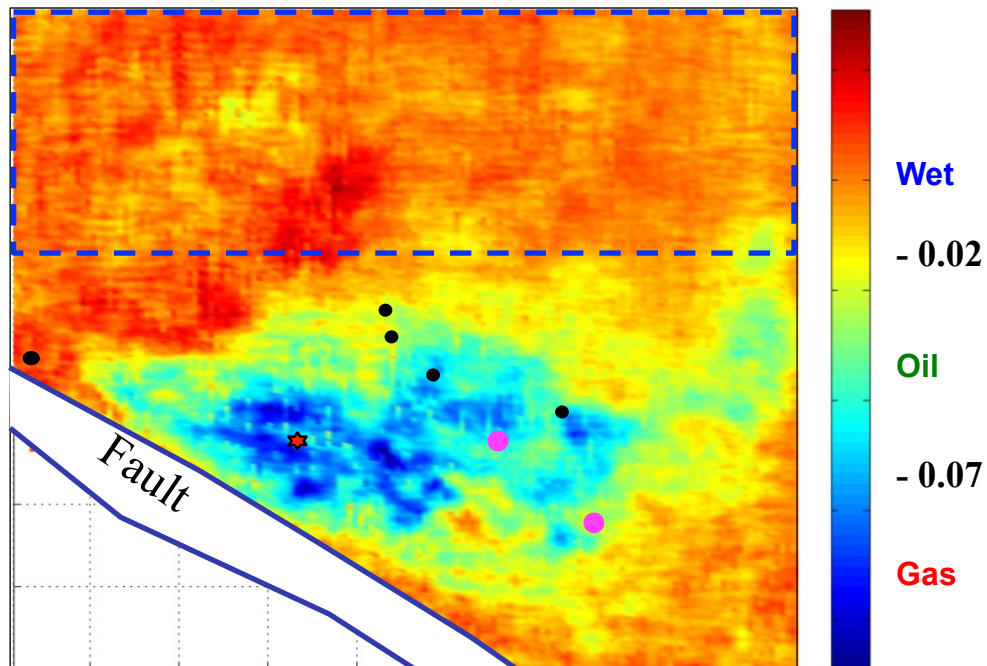
**About our Speaker:** Fred J. Hilterman received an engineering degree and PhD (geophysics) from Colorado School of Mines (CSM). He worked at Mobil and was a professor at UH where he co-founded the Allied Geophysics Laboratory. In 1981, Fred co-founded Geophysical Development Corporation (GDC) which was bought by Geokinetics. Fred is Geokinetics Chief Scientist for Processing and Reservoir Geosciences and is also a Distinguished Research Professor at UH.

Fred started on field crews before working in processing, seismic modeling and then petrophysical studies. At UH, Dr. Milton Dobrin introduced him to Continuing Education (CE) courses and since he has been a CE lecturer for GSH, SEG and AAPG. In 1983, Mike Graul and Fred introduced the Seismic Lithology Course, which was recently offered as a GSH Webinar.

As a longstanding member of GSH, his services include Vice-President, Spring Symposium Chairman, Webinar lecturer and frequent luncheon speaker. His services to SEG include DISC Instructor; Chairman of TLE Editorial Board, Vice-President and President. He has received numerous awards such as CSM Distinguished Alumni Medal, SEG Ewing Award, and Honorary Memberships in SEG and GSH.

Fred is proud to be a member of GSH and of their accomplishments and would be honored to be part of the GSH executive team.

## Calibrated Fluid Factor Reflectivity



Horizon Fluid Factor = NIP -.33 NIS - .002

## SPONSORS

**KNOWLEDGE REVEALED**

# PURPOSE DRIVEN

- Unrivaled land seismic acquisition capabilities
- Specific solutions for all terrains and environments (land, shallow water/transition zone and OBC)
- Purpose driven crews with proven experience around the world
- Processing and Interpretation services revealing the project knowledge you need
- Full azimuth 3D and 3C coverage in unconventional resource plays
- Multi-Client opportunities in North America, Latin America and Australasia
- Proven experience in:
  - Azimuthal anisotropy resolution and fracture identification
  - Multicomponent processing
  - AVO processing and inversion

**INNOVATIVE GEOPHYSICAL SOLUTIONS**



**Geokinetics™**

[geokinetics.com](http://geokinetics.com)

**Save-The-Date Announcement!**



**COASTAL BEND GEOPHYSICAL SOCIETY**

**GOLF TOURNAMENT**

**October 23, 2015**

**1 p.m. Shotgun Format**

**NorthShore Country Club**

**Portland, Texas**

**Fielding 100 players!**

**Sponsors welcome now! Please contact: Fermin Munoz**

**[fmunoz04@hotmail.com](mailto:fmunoz04@hotmail.com)**

**361-960-1126**



# Corpus Christi Geological Society Scholarship Application Guidelines Summer/Fall 2015 Semester

1. Applicant must be majoring in Earth Sciences and currently attending a college in the local area.
2. Fill out the application form clearly, completely, and sign it.
3. Short essay clearly explaining how this scholarship will assist you in achieving your geologic career goals and the reasons your application should be considered by the Committee.
4. Two (2) letters of recommendation - one must be from a geoscience faculty member or from a supervisor with whom applicant has worked within a geoscience undertaking.
5. Applicant must provide a school transcript, please make sure it has your name on it. A web printout is acceptable.
6. **Applications must be postmarked by: March 21, 2015**  
Mail completed application to: Dawn Bissell, CCGS Scholarship Committee  
Chairman, 253 Circle Drive, Corpus Christi, TX 78411

Email **bissells@swbell.net** once you've mailed your application. If I do not receive an email, I won't be able to notify you if you've been selected. ***Award notifications will be sent via email!!!***

Please read requirements carefully and submit only complete applications. Applicants who have received a CCGS scholarship in the past are eligible to apply again.

Scholarships will be awarded based on merit and need. The award amounts may vary with the minimum individual award being \$500.

Award recipients will be recognized at the monthly **luncheon April 15, 2015** and are encouraged to attend.

Board Members:

Dawn Bissell - Chairman  
Brent Hopkins - Vice Chairman  
Leighton Devine - CCGS President  
Patrick Nye - Secretary/Treasurer

Bob Critchlow - Member  
Beth Friday - Member  
JR Jones - Member

continued on page 19



Corpus Christi Geological Society  
Scholarship Application Form  
Summer/Fall 2015  
(Must be postmarked by March 21, 2015)

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Mailing address: \_\_\_\_\_  
(where award may be mailed if applicant is unable to attend award presentation)

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**Active Email:** \_\_\_\_\_

*Award notifications will be sent via email!!! Email [bissells@swbell.net](mailto:bissells@swbell.net) once you've submitted your application.*

Daytime Phone: \_\_\_\_\_ Alternate Phone: \_\_\_\_\_

University Currently Attending: \_\_\_\_\_

Department: \_\_\_\_\_ Major: \_\_\_\_\_

Scholarship is for class level (circle one):

Freshman    Sophomore    Junior    Senior    Graduate Student

Total Hours Completed: \_\_\_\_\_ Overall GPA (Minimum 2.5): \_\_\_\_\_

Total Hours - Geology: \_\_\_\_\_ Geology GPA (Minimum 3.0) \_\_\_\_\_

Hours Planned for Scholarship Semester: \_\_\_\_\_ Geology Hours: \_\_\_\_\_

Will this scholarship be used toward field camp?      Yes      No

Prior recipient of CCGS Scholarship?      Yes      No

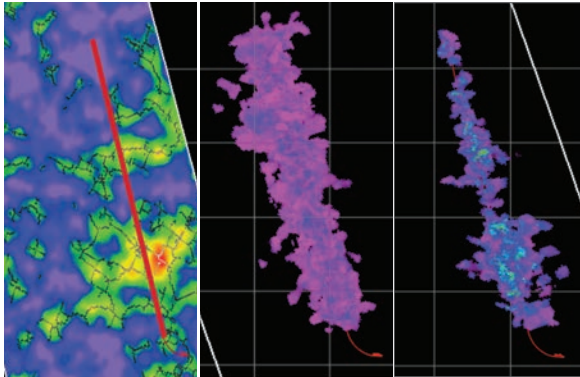
\_\_\_\_\_  
Applicant Signature      Date

Mail application, along with essay, two letters of recommendation, and transcript to Dawn Bissell, CCGS Scholarship Committee Chairman  
253 Circle Drive, Corpus Christi, TX 78411 **Must be postmarked by March 21, 2015.**  
**Email [bissells@swbell.net](mailto:bissells@swbell.net) once you've mailed your application. Award notifications will be made via email!!!**

## SPONSORS

# the ACOUSTIC VIEW

BEFORE. DURING. AFTER.



**Before:** Quiet Time recording before the frac images natural fractures and faults. **During:** Pumping time recording images the microseismically active volume during stimulation. **After:** Quiet time recording post-frac reveals the microseismically active production volume.

For more information:  
[www.globalgeophysical.com/MONITORING](http://www.globalgeophysical.com/MONITORING) or  
Contact us at [MONITORING@globalgeophysical.com](mailto:MONITORING@globalgeophysical.com)

Global Geophysical's innovative approach to microseismic provides direct imaging of acoustic activity in the subsurface. This allows us to identify areas or zones that are acoustically active due to naturally-occurring activity, hydraulic stimulation or production-related activities. Our microseismic results can be presented as 3D attributes such as semblance, as discrete volumes of acoustic activity or as Tomographic Fracture Images™. A key and differentiating capability of our approach is that we capture acoustic activity before, during and after stimulation; providing you with knowledge of natural fractures and faults, stimulated rock volume and the active production volume. This Before, During and After approach allows you to discern the impact of both natural and induced fractures and to determine the cumulative affect they have on actual well productivity.

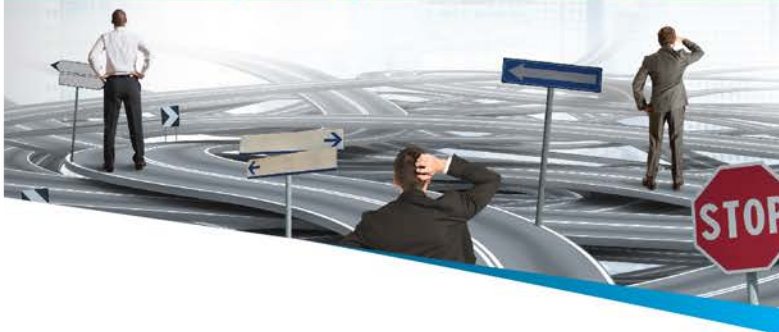
Our seismic solutions include data acquisition, microseismic, data processing, reservoir geophysics and integrated interpretation & consulting services.

Global Geophysical Services, Inc.  
tel +1 713-972-9200 [www.globalgeophysical.com](http://www.globalgeophysical.com)

**Global**  
Geophysical Services

# Licensing Data?

**Don't Let Tape Copy Costs - Drive Your Decision**



**NEGOTIATE**  
your tape copies of field data  
**BEFORE** signing contract.

## OUR SERVICES

- Onshore and OBC Controlled Amplitude & Controlled Phase (CA/CP) Processing
- Surface Consistent Processing
- Seamless Multi-Survey Merge
- Gather Conditioning with AVO Attributes
- Inversion and Fluid / Lithology Prediction

## SENIOR PROCESSING GEOPHYSICISTS

- Daniela Smoleanu / Partner
- Karen Chevis-McCoy / Partner
- Steven Larson / Partner

**INTEGRITY**  
SEISMIC SERVICES  
(713)357-4706  
[www.integrityseismic.com](http://www.integrityseismic.com)

**Zane Swope**  
President - Partner  
(713)357-4706 Ext 7006  
(281)635-9162 (Cell)  
[zswope@integrityseismic.com](mailto:zswope@integrityseismic.com)

**James Bloomquist**  
Business Development Manager  
(713)357-4706 Ext 7008  
(281)660-9695 (Cell)  
[Jbloomquist@integrityseismic.com](mailto:Jbloomquist@integrityseismic.com)

## What are your well costs?

**\$3 MM, \$5 MM, \$10 MM**

100 Square miles of true  
CA/CP PSTM re-processing  
≈ **\$150,000**

100 Square miles of tape  
copy charges  
≈ **\$20,000 - \$40,000**

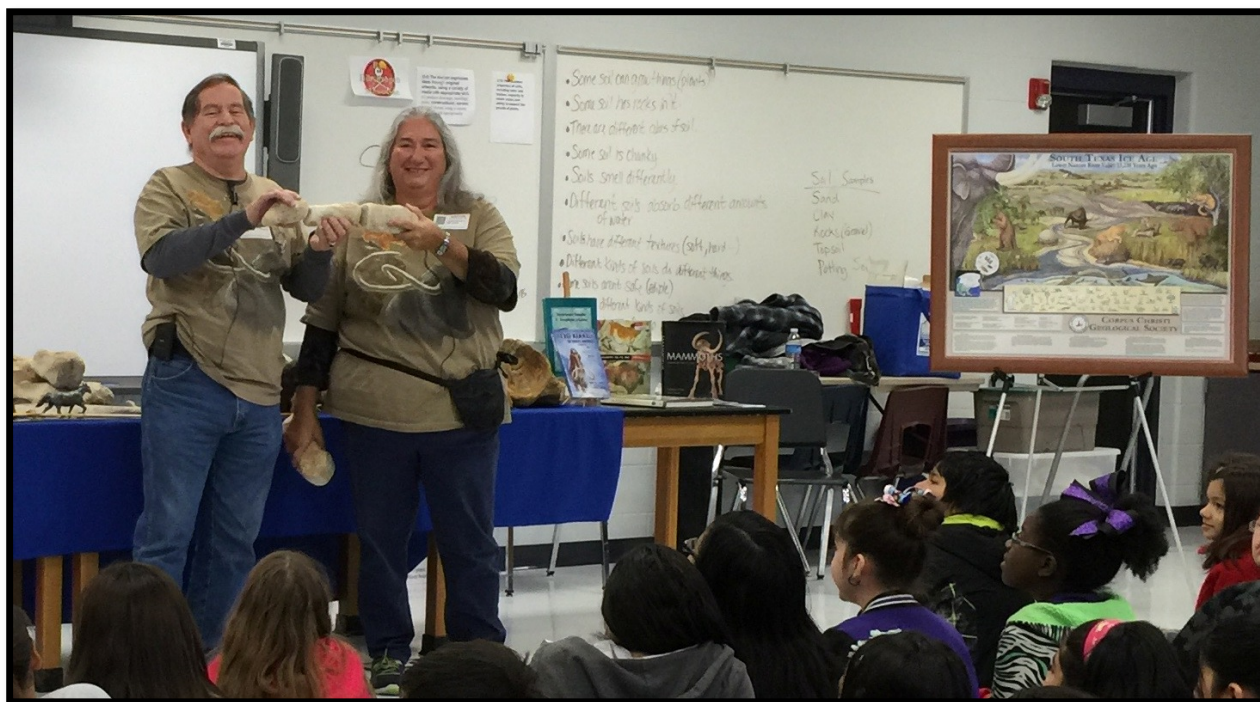
## DON'T YOU OWE IT

to **YOURSELF** and  
**YOUR COMPANY**

to have the best image  
before drilling?

## February 2015—Education Outreach Team

January brought a new year, and a new semester for area schools. Members of the Education Outreach Team made geologic presentations and judged science fairs at five schools.



*Linda and Jerrold Simpson presented *The Ice Age Fossils of Nueces County* to Metro Elementary School. The fifth grade students sat in rapt attention and eagerly participated in the discussions.*

continued on page 23





*Geoffrey Hopkins presented to Gloria Hicks Elementary School on January 9<sup>th</sup>. Geoffrey is a regular presenter at Gloria Hicks and is always well received.*

The Simpsons, Geoffrey, and Mike Lucente did two days of presentations at St. Pius X elementary school in late January. They covered all three of our topics: *The USGS Time and Terrain Map*, *The Ice Age Fossils of Nueces County* with the mural and bones, and *Rocks in Our Everyday Lives*. There were four groups – Kinder through 5<sup>th</sup> grade. A second grader was able to sound out and read the word ‘extant’. Even the teachers learned something.

Bob Bell and Dawn Bissell judged the third, fourth, and fifth grade science projects at Galvan Elementary on January 13<sup>th</sup>.

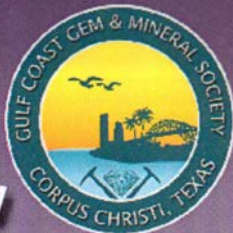
Geoffrey presented the map and mural to Seashore Learning Center on the Island in early February.

Geology presentations are planned and more science fairs need judging in March.

Alan Costello always coordinates Earth Day – Bay Day, which is April 11, 2015 this year.

**If you are interested in being a part of the Education Outreach Team, contact Dawn Bissell, [bissells@swbell.net](mailto:bissells@swbell.net) or 361-960-2151.**

# 2015 Gulf Coast Gem & Mineral Society 53<sup>rd</sup> Show



**Marvel at**  
displays of:

- minerals
- fossils
- gems

**Shop for:**

- jewelry
- minerals
- fossils
- much more  
from many  
vendors

**Kids young & old**

- door prizes
- kids wheel

**Admission \$5 (valid 2 days)**  
Kids 12 & under free  
(with adult purchase)

**Sat. March 7<sup>th</sup> 10am - 6pm**

**Sun. March 8<sup>th</sup> 10am - 5pm**

Richard M Borchard Regional Fairgrounds, Building A  
1213 Terry Shamsie Blvd. Robstown TX 78380 [www.GCGMS.org](http://www.GCGMS.org)

SPONSORS

**CHARGER EXPLORATION**

**Michael L. Jones**  
President/Geologist

**Onshore Gulf Coast Prospect Generation and Consulting**

1001 McKinney Street, Suite 801 Houston, TX 77002  
Ofc: 713.654.0080 Cell: 713.398.3091  
Email: [mjones@chargerexploration.com](mailto:mjones@chargerexploration.com)  
[www.chargerexploration.com](http://www.chargerexploration.com)

*Serving Corpus Christi for over 20 years*

 **mail express**  
501 S. Tanchua St.  
Corpus Christi, TX 78401

- We process 1<sup>st</sup> class mail with a direct discount to you
- No meter procedure change except for the amount you meter your envelopes

**CALL 888-4332 for details - Ask for Anne**

**That old gas kick could be your next discovery!**

Characterization of Unconventional Reservoirs

Traditional methods of core analysis cannot yield acceptable results when applied to unconventional reservoirs such as gas shales, tight gas sands, coals and thin bed formations.

Production controls on these reservoirs are not limited to hydrocarbons in place, permeability and porosity. Pay identification requires an understanding of complex lithologies and exotic mineralogies.

Only Core Lab offers the comprehensive range of unique technologies required to optimize your unconventional reservoirs.

Geological Petrophysical Geomechanical Geochemical



To learn more about our unique unconventional reservoir evaluation services contact Core Lab.  
(713) 328-2121 or (361) 289-5457 [psinfo@corelab.com](mailto:psinfo@corelab.com)

© 2005 Core Laboratories. All rights reserved.

Permission to republish this expanded abstract was given by SEG. A full citation to the original publication, including the DOI-based permalink, is as follows:  
<http://dx.doi.org/10.1190/segam2013-0647.1>

## Enhancing reservoir definition for field modeling and simulation with seismic elastic properties and discontinuity analysis - A case history for Main Pass 61, Gulf of Mexico.

Randal Utech\*, Dan Shan, Dianna Shelander, Ellysa Saudale and Kirk Rodgers, Schlumberger  
Ahmed Ammar, Tim Wilkinson, and Rick Clark, Energy XXI

### Summary

The reservoir modeling and simulation of Energy XXI's GoM Main Pass 61, Pod B Oil Field integrated seismic elastic properties and discontinuity analysis to improve reservoir definition, lithology distribution and to identify compartments and fluid flow pathways. The results provided key basis for improving the estimation of recoverable oil, field management decisions involving water injection and work-over completions, and the identification of un-swept potential for new drilling opportunities.

The reservoir model integrated estimates of litho-fluid properties derived from prestack seismic inversion employing Bayesian classification methods. Reservoir boundaries and facies distributions were identified from shale and sand classification probabilities. Porosity distribution in the reservoir utilized acoustic impedance as a proxy. Seismic discontinuity analyses also provided a means to identify compartment boundaries, baffles and lithologic barriers to fluid flow.

Together, the integration of these seismic properties improved the accuracy of the geologic model and provided better understanding of reservoir production mechanisms.

### Introduction

Conventional reservoir modeling and simulation field studies often underutilize information contained in the seismic data. Wells sample the earth with high vertical resolution at a single location, but seismic provides highly sampled information in the intra-well space. Utilization of the intra-well seismic information leads to better definition of the reservoir and simulation results.

While the seismic interpretation provides a framework for the reservoir model, seismic elastic measurements may be used to co-populate the reservoir model with estimates of lithology. Also, the enhanced resolution of inverted seismic (wavelet removal) improves the delineation of the reservoir boundaries, stratigraphic pinch-outs and the spatial distribution of reservoir facies.

The Main Pass 61 Pod B Field, discovered in 2001, has produced 17MMBO with a current rate of 3300 BOPD. The main productive formation is the Upper Miocene 'J6' sand

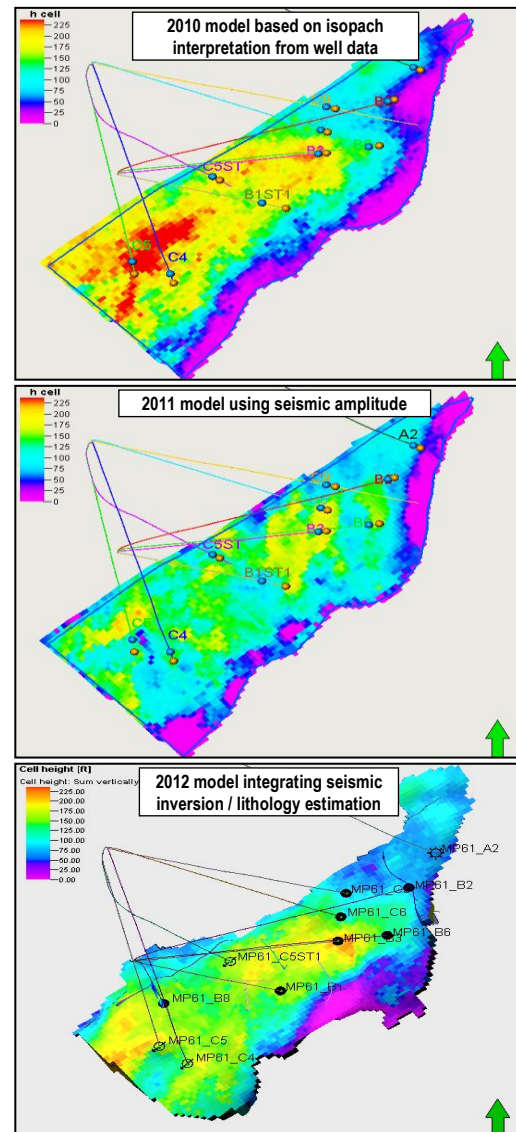


Figure 1: Comparison of net sand thickness from the 2010, 2011 and 2012 models. The upper model is obtained using contoured reservoir thicknesses from well data, the middle 2011 model utilizes seismic amplitude information (relative acoustic impedance) and the lower model integrates seismic inversion and the lithology prediction results.

continued on page 28

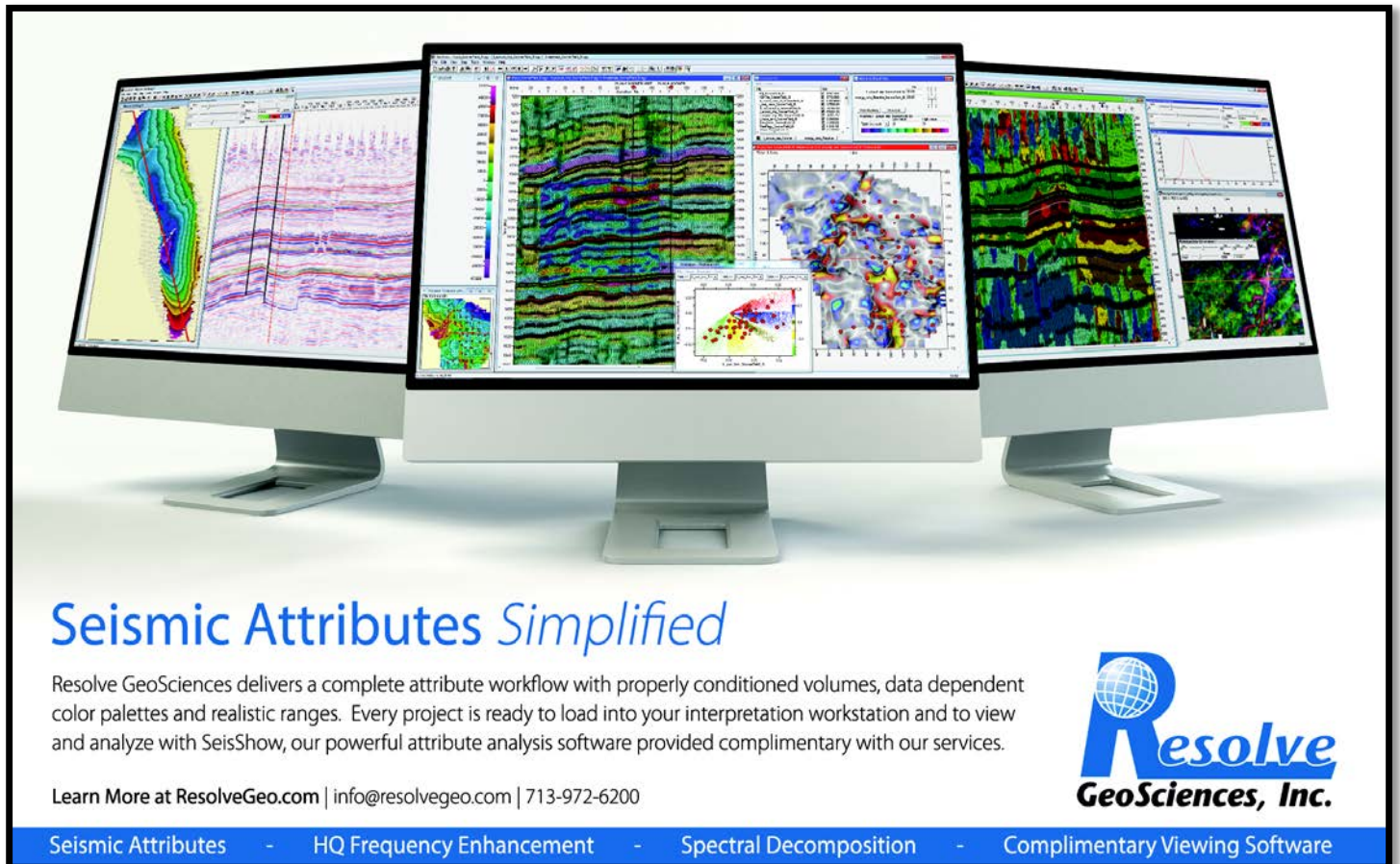
## SPONSORS



**SUE MAUR  
EXPLORATION &  
PRODUCTION, LLC**

802 N Carancahua St  
Suite 1000  
Corpus Christi, TX 78401-0015  
Phone: (361) 884-8824  
Fax: (361) 884-9623

**Exploring Texas  
since 1968**



**Seismic Attributes *Simplified***

Resolve GeoSciences delivers a complete attribute workflow with properly conditioned volumes, data dependent color palettes and realistic ranges. Every project is ready to load into your interpretation workstation and to view and analyze with SeisShow, our powerful attribute analysis software provided complimentary with our services.

Learn More at [ResolveGeo.com](http://ResolveGeo.com) | [info@resolvegeo.com](mailto:info@resolvegeo.com) | 713-972-6200

**Resolve  
GeoSciences, Inc.**

Seismic Attributes - HQ Frequency Enhancement - Spectral Decomposition - Complimentary Viewing Software

## Seismic enhanced modeling and simulation

has six active wells (5 producers and 1 injector). The waterflood program began in 2003 to provide pressure support. The mismatched legacy simulations suggested a need for more rigorous methods integrating seismic data to reduce uncertainty of sand distribution and to understand reservoir dynamics.

Figure 1 illustrates three prior reservoir models showing comparisons of net reservoir pay thickness. The lower model integrates the 2012 seismic inversion and litho-fluid

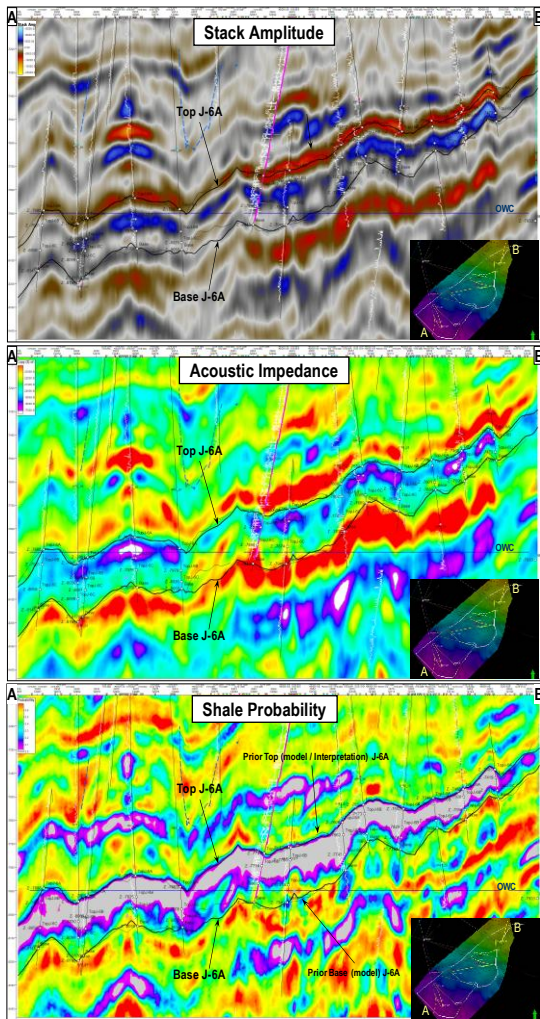


Figure 2: Well tie arbitrary line 'AB' showing the Seismic Stack, Acoustic Impedance and Shale probability arbitrary sections traversing the the reservoir. The interpretation surfaces (black) identify the top and base of the J-6A reservoir. Gamma log curves are posted on the wells (white). Note that the higher quality reservoir facies are in the upper zone of the reservoir and that shaliness increases toward the base of the reservoir.

prediction results. This model is consistent with both well and seismic measurements and more accurately characterizes the reservoir geology exemplified by improved production history matching. The two previous models include the initial 2010 geologic interpretation with isopach mapping from well data and the intermediate model utilized relative acoustic impedance as a proxy for reservoir thickness.

Figure 2 shows the reservoir interpretations on the conditioned stack data, acoustic impedance and shale probability sections along an arbitrary line extracted through the Pod B wells.

Reservoir simulation models often suggest the presence of reservoir drainage barriers such as a fault or compartment needed to achieve a production and pressure match. Seismic discontinuity analysis provides a reservoir framework for classifying subtle faults, reservoir compartments and fluid drainage barriers behave as conduits, baffles and barriers.

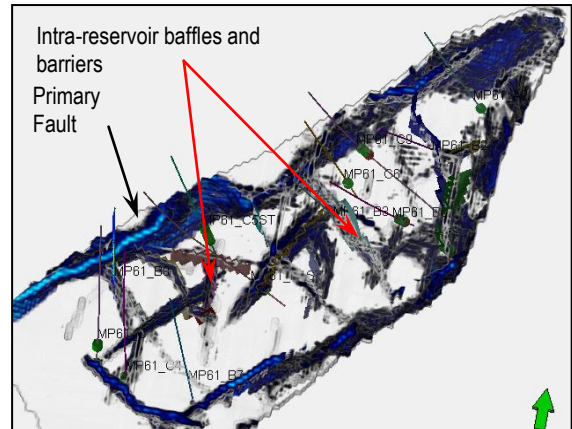


Figure 3: 3D volume rendering of candidate fluid flow baffles and barriers obtained from reservoir seismic discontinuity analysis.

Seismic discontinuity features over the Pod B field illustrated in Figure 3, require interpretation in conjunction with production and pressure history matching to determine degree of transmissibility of these features.

Identified traps and barriers provide valuable information pertaining to re-completions, field injection strategies and the development of new drill opportunities to capture and un-swept reservoir potential. A recently drilled well with pay down-dip near injectors confirmed the barriers identified by seismic discontinuity analysis and the potential for additional bypassed oil in the down-dip area.

continued on page 30

# SPONSORS



Since 1905

## Royal Exploration Company, Inc.

Bank of America

500 N. Shoreline Blvd. Suite 807 N  
Corpus Christi, Texas 78471-1008

Alan Costello - Geologist   Robert Rice - Geologist  
Matt Hammer - Exploration Manager

Telephone: 361-888-4792   Fax: 361-888-8190

www.**GeoSteering**.com

281-573-0500  
info@geosteering.com

Free introductory consultation  
with modeling:  
let us demonstrate whether  
images or propagation resistivity  
could add value to your well.

**Personnel with degrees & 20+ years of oilfield experience**

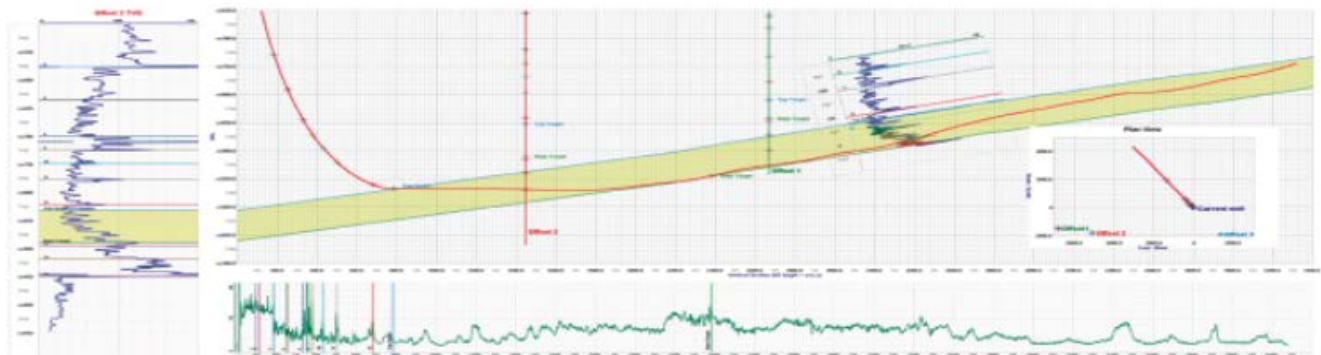
**Proprietary software**

**TST interpretation for GR only jobs**

**Image displays / interpretation for jobs with azimuthal GR,  
resistivity or density**

**Resistivity modelling / interpretation for jobs with LWD  
propagation resistivity**

**Real-time (always)**



## Seismic enhanced modeling and simulation

### Methods and Workflow

The input seismic data consisted of prestack depth migrated gathers with incident reflection angles up to 48 degrees. Prestack data conditioning included noise removal and velocity corrections. Processes applied in the time domain included:

- Spatially consistent velocity analysis
- Parabolic radon transform for multiple removal
- F-Kx-Ky filtering for foot print removal
- TauP processing for signal enhancement
- Angle stack decomposition
- Non-Rigid Matching for gather flattening
- RAAC and Angle stack creation (7 angle bands)

Other processing included phase corrections in conjunction with well tie analysis. Depth conversion was completed post inversion, however, residual depth correction of the seismic is critical for accurate correlation of seismic to well data in depth. Petrophysical analysis included log data conditioning, editing, and environmental corrections. The Seismic discontinuity analysis consisted of two parameterizations of Ant Tracking, one for major faulting and a second parameterization to address subtle faults, compartments and reservoir barriers.

Bayesian methods were used to classify lithology from the probability distributions of seismic elastic properties taken from well log data (Figure 4). The rock physics analysis

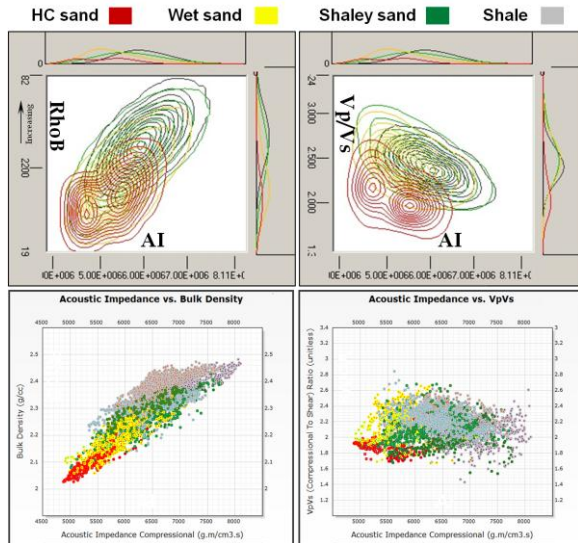


Figure 4: Probability distributions of elastic properties from log data for lithology classification (upper figure).

Rock physics analysis: Lithology class petrophysical cut-off's (shale volume and water saturation) plotted in elastic parameter space (lower figure).

utilized dipole sonic and density logs from reservoir wells to define lithology classes for sand, wet sand, shaley sand and shale expressed in terms elastic parameters.

This classification scheme was applied to seismic elastic property volumes obtained from the simultaneous prestack inversion (acoustic impedance, Vp/Vs and density) to derive seismic volumes for the most likely class and probability volumes for each rock class (such as the shale probability as shown in Figure 2). The mapping of reservoir parameters and facies distributions to the reservoir model was facilitated using volume rendered geobodies extracted from the seismic inversion and litho-fluid volumes.

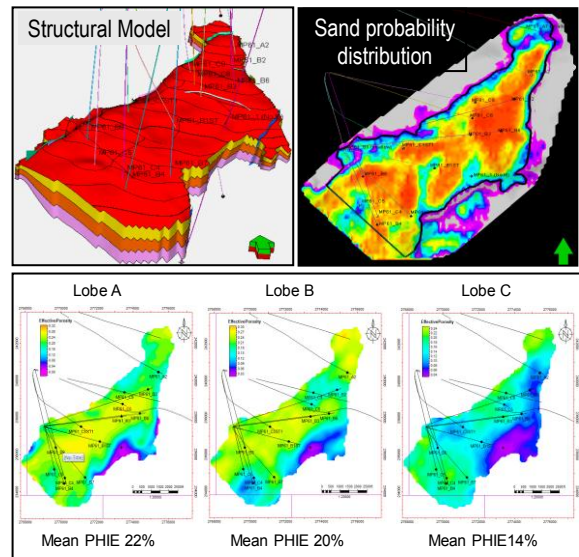


Figure 5: The structural model is shown in the upper left. Three reservoir zones defined to capture reservoir heterogeneity. Facies were populated using extractions from seismic property volumes such as the sand probability volume (upper right) and acoustic impedance transformed to porosity. Zone porosity mapping for the three zones is shown in the lower figure.

Figure 5 illustrates the structural model used to capture reservoir parameter heterogeneities in three reservoir zones. The upper zone (lobe A) has the better porosity and permeability characteristics while the lower zones (lobes B and C) have increasing shale content with relatively poor areal connectivity. The well section in Figure 6 identifies the three reservoir zones, the gamma, resistivity and acoustic impedance in each wellbore. Also shown is the interpretation of zone connectivity and fluid flow pathways. Figure 7 illustrates the utility of the seismic discontinuity analysis. It is evident that the seismic 3D discontinuities provided very beneficial input for the current model. Combined with production/pressure information, the barrier transmissibility can be determined and incorporated into the model for simulation.

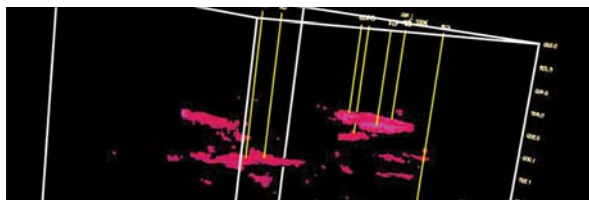
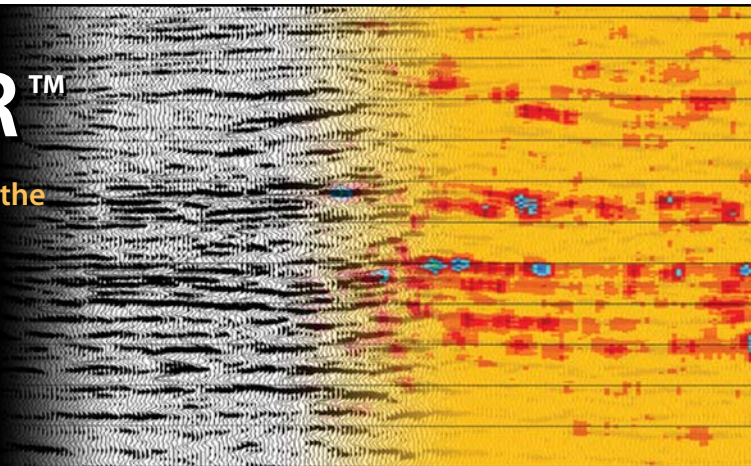
continued on page 32



# DRILL SMARTER™

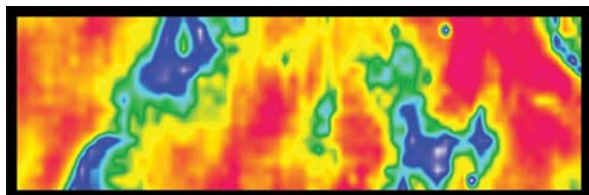
Proprietary Post-Stack Technologies to Aid in the Analysis of Seismic Data and Identification of Direct Hydrocarbon Indicators

Reduce risk • Increase exploration success  
Stay ahead of the competition • Improve your ROI



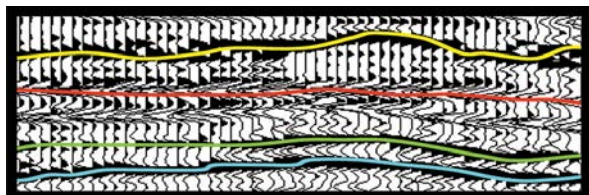
## EnergyAbsorption<sup>SM</sup>

Measures high frequency absorption indicating the location of increased porosity and potential gas accumulations



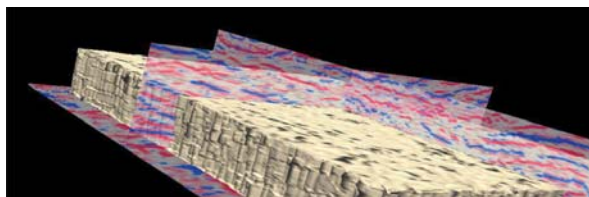
## SpecView<sup>SM</sup>

Spectral Decomposition identifying hidden stratigraphic information and subtle anomalies within a specific horizon



## HiRes<sup>SM</sup>

Recovers detail lost in the standard seismic response



## SemCube<sup>SM</sup>

Measures a semblance response indicating faulting, fracturing and other anomalous areas

# SeismicVentures<sup>®</sup>

For more information, contact Sara Davis at [s\\_davis@seismicventures.com](mailto:s_davis@seismicventures.com) or (281) 240-1234 x206

Seismic Ventures, Inc. • 12603 Southwest Freeway, Suite 600 • Stafford, Texas 77477  
t: 281-240-1234 • f: 281-240-4997 • [www.seismicventures.com](http://www.seismicventures.com)

## Seismic enhanced modeling and simulation

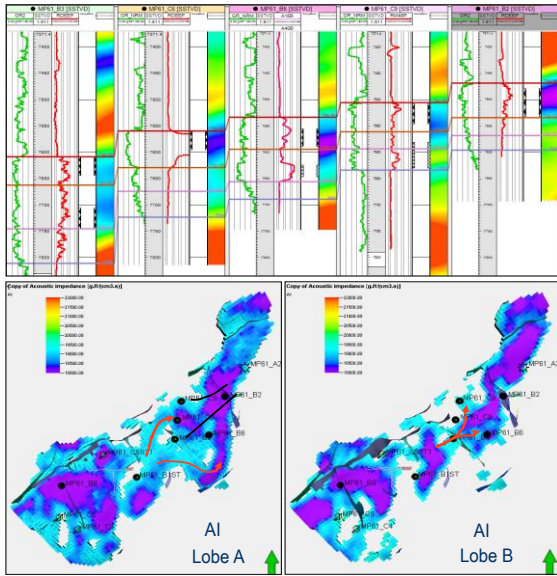


Figure 6: Well section identifies the three reservoir zones and the associated log signatures including acoustic impedance in each wellbore. The lower figure is an interpretation of the fluid flow pathways relative to the sand facies quality correlated with acoustic impedance. Combined with water cut information from different perforated intervals and production histories, the fluid flow pathways and transmissivities can be identified.

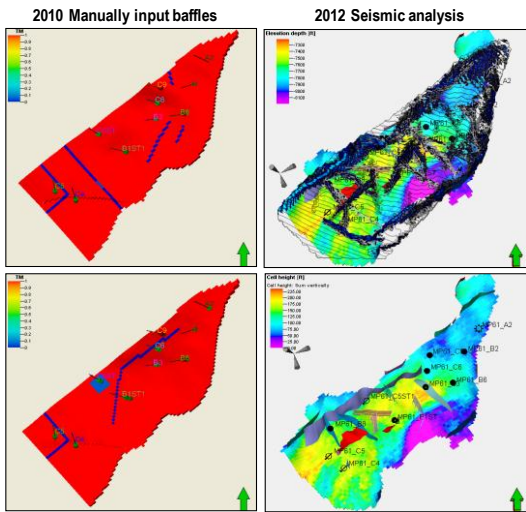


Figure 7: The red images on the left indicate barriers (in blue) that were manually introduced to the legacy simulation to match production histories. The upper right figure shows the volume rendered baffles and barriers obtained from the seismic discontinuity analysis (Ant Tracking). The lower right shows the barriers incorporated into the geologic model.

The production and pressure history matching (Figure 8) provides validation of seismic populated model.

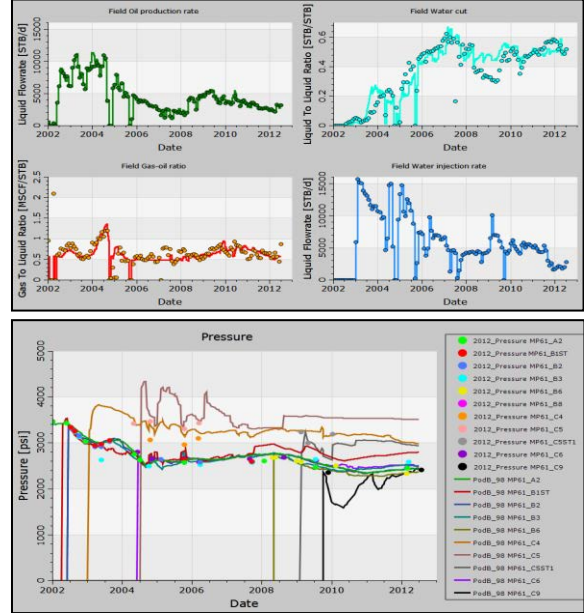


Figure 8: The field history match on oil rate, water cut, gas-oil ratio, water injection rate and pressure is shown above. The observed field production data are represented by dots. The lines represent the simulated production rates. The model achieved a reasonable match to field production rate and pressure.

### Conclusions

The geophysical, geologic and engineering workflow carried out for the Main Pass 61 Pod B Field effectively integrated seismic information into the field modeling and simulation.

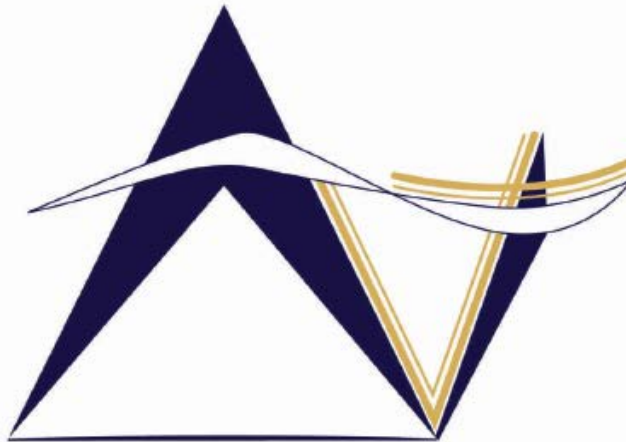
The integration of elastic properties and discontinuity attributes into the geologic and reservoir simulation model provided a clearer understanding of the reservoir dynamics. Importantly, this valued information has provided an improved basis for the estimation of recoverable oil, field management decisions involving water injection, work-over completions, and the identification of un-swept oil for new drilling opportunities.

### Acknowledgements

We would like to thank Energy XXI for their permission to submit this abstract for publication.

We also would like to acknowledge Lei Zhang, Claire Jacob, and Ken Nemmeth for their contributions.

**SPONSORS**



**VirTex Operating Company, Inc.**

*615 North Upper Broadway, Suite 525, Corpus Christi, Texas 78477  
(361) 882-3046*

**SEI**®

*Seismic Exchange, Inc.*

**Strategic Speculative Surveys**  
Geophysical Data Marketing & Management

**YOUR**  
Full Service  
National  
Seismic Data  
Marketing Firm

Corpus Marketing Contact:  
Beau Patrick

Corpus Office  
361.884.2936

CORPUS CHRISTI DALLAS DENVER HOUSTON NEW ORLEANS TULSA

11050 Capital Park Dr., Houston, Texas 77041 832.590.5100

[www.seismicexchange.com](http://www.seismicexchange.com)

## SPONSORS

# STALKER ENERGY, L.P.

### Austin Office:

1717 W. 6<sup>th</sup> Street, Ste 230  
Austin, Texas 78703  
512.457.8711

Contact: Bill Walker, Jr.  
bwalker@stalkerenergy.com

### Houston Office:

2001 Kirby Drive, Suite 950  
Houston, Texas 77019  
713.522.2733

Contact: Todd Sinex  
tsinex@stalkerenergy.com

[www.stalkerenergy.com](http://www.stalkerenergy.com)



## LMP PETROLEUM, INC.

*EXPLORING SOUTH TEXAS*

615 N. Upper Broadway  
Suite 1770  
Wells Fargo Bank Building  
Corpus Christi, Texas 78401-0773

361-883-0923  
Fax: 361-883-7102  
E-mail: [geology@lmpexploration.com](mailto:geology@lmpexploration.com)

### WELLSITE GEOSCIENCE SERVICES



**When time is money,  
Wellsite Geoscience is  
money well spent.**

Whether you're exploring a basin, producing a well or completing a shale play, time is money. That's why Weatherford Laboratories brings a suite of formation evaluation technologies right to the wellsite. Utilizing mud gas and cuttings, these technologies provide detailed data on gas composition, organic richness, mineralogy and chemostratigraphy in near real time. As a result, operators now have an invaluable tool to assist with sweet spot identification, wellbore positioning, completion design and hydraulic fracturing. We call it Science At the WellSite. You'll call it money well spent.

**SCIENCE AT THE WELLSITE™**  
[www.weatherfordlabs.com](http://www.weatherfordlabs.com)

Formation Evaluation | Well Construction | Completion | Production

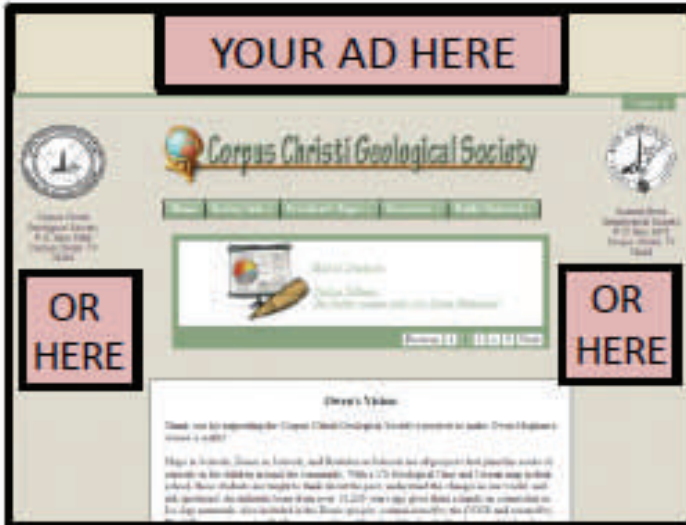
©2013 Weatherford. All rights reserved.



**SUPPORT YOUR SOCIETY**

# ***Advertise!!!***

**with the CCGS - CBGS**



**\*\*NOW OFFERING\*\*  
WEBSITE ADS @  
WWW.CCGEO.ORG**

**BANNER AD \$2500/YR  
SIDE PAGE AD \$1500/YR**

**MONTHLY  
BULLETIN  
ADS**



<b>1.65" x 2.4"</b> \$75	<b>1.65" x 4.8"</b> \$150
<b>1/8 page</b> 2.2" x 3.6" \$250	<b>CCGS - CBGS Bulletin</b> Ad Space Available: Annual Rates (9 issues + directory)
<b>1/4 page</b> 3.6" x 4.3" \$375	
	<b>1/2 page</b> 7.2" x 4.3" \$500
	<b>Full page</b> 7.2" x 8.6" \$850
	<b>Inside Front or Back Cover</b> \$1000

**FOR MORE DETAILS:**

**EMAIL [ADS@CCGEO.ORG](mailto:ADS@CCGEO.ORG) OR CALL (361) 887-2691**

# GEO LINK POST

<http://www.lib.utexas.edu/books/landsapes/index.php> Free service. Rare, fragile, hard-to-find, public domain documents covering various topics about the landscape of Texas. Includes the Texas Geological Survey from 1887 until 1894.

**USGS TAPESTRY OF TIME AND TERRAIN** <http://tapestry.usgs.gov> The CCGS is donating to all of the 5th and 6th grade schools in the Coastal Bend. Check it out--it is a spectacular map. You might want to frame one for your own office. The one in my office has glass and a metal frame, and It cost \$400 and it does not look as good as the ones we are giving to the schools.

**FREE TEXAS TOPOS'S** <http://www.tnris.state.tx.us/digital.htm> these are TIFF files from your state government that can be downloaded and printed. You can ad them to SMT by converting them first in Globalmapper. Other digital data as well.

**FREE NATIONAL TOPO'S** [http://store.usgs.gov/b2c\\_usgs/b2c/start/\(xcm=r3standardpitrex\\_prd\)/.do](http://store.usgs.gov/b2c_usgs/b2c/start/(xcm=r3standardpitrex_prd)/.do) go to this webpage and look on the extreme right side to the box titled TOPO MAPS DOWNLOAD TOPO MAPS FREE.

<http://www.geographynetwork.com/> Go here and try their top 5 map services. My favorite is 'USGS Elevation Date.' Zoom in on your favorite places and see great shaded relief images. One of my favorites is the Great Sand Dunes National Park in south central Colorado. Nice Dunes.

<http://antwrp.gsfc.nasa.gov/apod/asropix.html> Astronomy picture of the day--awesome. I click this page everyday.

<http://www.spacimaging.com/gallery/ioweek/iow.htm> Amazing satellite images. Check out the gallery.

<http://www.ngdc.noaa.gov/seg/topo/globegal.shtml> More great maps to share with kids and students.

[www.ccgeo.org](http://www.ccgeo.org) Don't forget we have our own we page.

<http://terra.nasa.gov/gallery/> Great satellite images of Earth.

[www.ermaper.com](http://www.ermaper.com) They have a great free downloadable viewer for TIFF and other graphic files called ER Viewer.

<http://terrasrver.com> Go here to download free aerial photo images that can be plotted under your digital land and well data. Images down to 1 meter resolution, searchable by Lat Long coordinate. Useful for resolving well location questions.

**TYPE LOGS OF SOUTH TEXAS FIELDS by Corpus Christi Geological Society**

**NEW (2009-2010)TYPE LOGS IN RED; \*\*\*\*\*2011;**

**lost now found**

**ARANSAS COUNTY**

Aransas Pass/McCampbell Deep  
Bartell Pass  
Blackjack  
Burgentine Lake  
Copano Bay, South  
Estes Cove  
Fulton Beach  
Goose Island  
Half Moon Reef  
Nine Mile Point  
Rockport, West  
St. Charles  
Tally Island  
Tract 831-G.O.M. (offshore)  
Virginia

**BEE COUNTY**

Caesar  
Mosca  
Nomanna  
Orangedale(2)  
Ray-Wilcox  
San Domingo  
**Tulsita Wilcox**

**BROOKS COUNTY**

Ann Mag  
Boedecker  
Cage Ranch  
Encintas  
ERF  
Gyp Hill  
**Gyp Hill West**  
Loma Blanca  
Mariposa  
Mills Bennett  
Pita  
Tio Ayola  
Tres Encinos

**CALHOUN COUNTY**

Appling  
Coloma Creek, North  
Heyser  
Lavaca Bay  
Long Mott  
Magnolia Beach  
Mosquito Point  
Olivia  
Panther Reef  
Powderhorn  
Seadrift, N.W.  
Steamboat Pass  
Webb Point  
S.E. Zoller

**CAMERON COUNTY**

Holly Beach  
Luttes  
San Martin (2)  
Three Islands, East

Vista Del Mar

**COLORADO COUNTY**

E. Ramsey  
**Graceland N. Fault Blk**  
**Graceland S. Fault Blk**

**DEWITT COUNTY**

**Anna Barre**  
Cook  
**\*\*\*\*\*Nordheim**  
Smith Creek  
Warmley

**DUVAL COUNTY**

Yorktown, South  
DCR-49  
Four Seasons  
Good Friday  
Hagist Ranch  
Herbst  
Loma Novia  
Petrox  
Seven Sisters  
Seventy Six, South  
Starr Bright, West

**GOLIAD COUNTY**

Berclair  
North Blanca  
Bombs  
Boyce  
Cabeza Creek, South  
Goliad, West  
**St Armo**

**HIDALGO COUNTY**

Terrell Point  
Alamo/Donna  
Donna  
Edinburg, West  
Flores-Jeffress  
**Foy**  
**Hidalgo**

**LA BLANCA**

LA Blanca  
McAllen & Pharr  
McAllen Ranch  
Mercedes  
Monte Christo, North  
Penitas  
San Fordyce  
San Carlos  
San Salvador  
S. Santallana  
Shary  
Tabasco  
Weslaco, North  
Weslaco, South

**JACKSON COUNTY**

Carancahua Creek  
Francitas  
Ganado & Ganado Deep  
LaWard, North  
Little Kentucky

Maurbro

**STEWART SWAN LAKE**

Swan Lake, East  
Texana, North  
West Ranch

**JIM HOGG COUNTY**

Chaparosa  
Thompsonville, N.E.  
**JIM WELLS COUNTY**

**FREEBOM**

Hoelscher  
Palito Blanco  
Wade City

**KARNES COUNTY**

Burnell  
Coy City  
Person  
Runge

**KENEDY COUNTY**

Candelaria  
Julian  
Julian, North  
Laguna Madre  
Rita  
Stillman

**KLEBERG COUNTY**

Alazan  
Alazan, North  
Big Caesar  
Borregos  
Chevron (offshore)  
Laguna Larga  
Seeligson  
Sprint (offshore)

**LA SALLE COUNTY**

**\*\*\*Pearsall**

**LAVACA COUNTY**

Hallettsville  
Hope  
Southwest Speaks  
**Southwest Speaks Deep**  
**LIVE OAK COUNTY**

**ATKINSON**

Braslau  
Chapa  
Clayton  
Dunn  
Harris  
Houdman  
Kittie West-Salt Creek  
Lucille  
Sierra Vista  
Tom Lyne  
White Creek  
White Creek, East  
**MATAGORDA COUNTY**  
Collegeport

**MCMULLEN COUNTY**

Arnold-Weldon  
Brazil  
Devil's Waterhole  
Hostetter  
Hostetter, North  
**NUECES COUNTY**  
Agua Dulce (3)  
Arnold-David  
Arnold-David, North  
Baldwin Deep  
Calallen  
Chapman Ranch  
Corpus Christi, N.W.  
Corpus Christi West C.C.  
Encinal Channel  
Flour Bluff/Flour Bluff, East  
GOM St 9045(offshore)  
Indian Point  
Mustang Island  
Mustang Island, West  
Mustang Island St.  
889S(offshore)  
Nueces Bay/Nueces Bay  
West

**Perro Rojo**

Pita Island  
Ramada  
Redfish Bay  
Riverside  
Riverside, South  
Saxet  
Shield  
Stedman Island  
Turkey Creek

**REFUGIO COUNTY**

Bonnieview/Packery Flats  
Greta  
La Rosa  
Lake Pasture  
Refugio, New  
Tom O'Connor  
**SAN PATRICIO COUNTY**  
**Angelita East**

**COMMONWEALTH**

Encino  
Enos Cooper  
Geronimo  
Harvey  
Hiberia  
Hodges  
Mathis, East  
McC Campbell Deep/Aransas Pass  
Midway  
Midway, North  
Odem

Plymouth

Portilla (2)  
Taft  
Taft, East  
White Point, East

**STARR COUNTY**

El Tanque  
Garcia  
Hinde  
La Reforma, S.W.

**Lyda**

Ricaby  
Rincon  
Rincon, North  
Ross  
San Roman  
Sun  
Yturria

**VICTORIA COUNTY**

Helen Gohike, S.W.  
Keeran, North  
Marcado Creek  
McFaddin  
Meyersville  
Placedo

**WEBB COUNTY**

Aquilares/Glen Martin  
Big Cowboy  
Bruni, S.E.  
Cabezon  
Carr Lobo  
Davis  
Hirsch  
Juanita  
Las Tiendas  
Nicholson  
O'Hem  
Olmitos  
Tom Walsh

**WHARTON COUNTY**

Black Owl

**WILLACY COUNTY**

**Chile Vieja**  
La Sal Vieja  
Paso Real  
Tenerias  
Willamar

**ZAPATA COUNTY**

Benavides  
Davis, South  
Jennings/Jennings, West  
Lopeno  
M&F  
Pok-A-Dot  
**ZAVALA COUNTY**  
El Bano

Call Coastal Bend Geological Library, Maxine: 361-883-2736  
1 log -- \$10 each, 5-10 logs \$9 each and 10 + logs \$8.00 each – plus postage

# OIL MEN

TALES FROM THE SOUTH TEXAS OIL PATCH

DVD

MEMBER PRICE \$25

NONMEMBER \$30



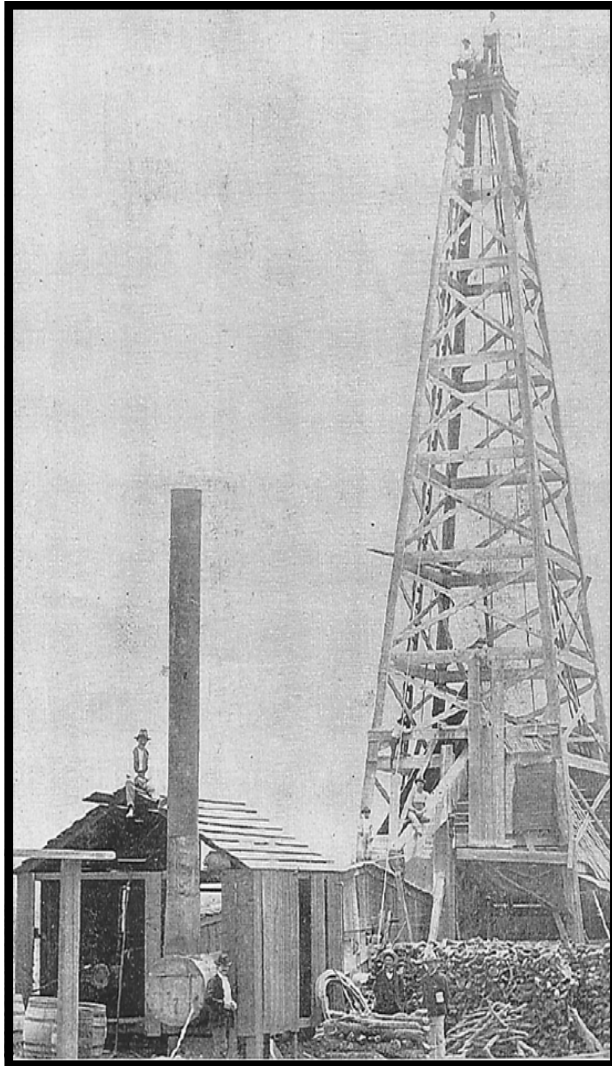
To Order DVD

Sebastian Wiedmann

[swiedmann@braytoncc.com](mailto:swiedmann@braytoncc.com)

If mailed add \$5





Corpus Christi Geological Society  
C/O Javelina Press  
P. O. Box 60181  
Corpus Christi, TX 78466

Order Form

Mail order form for Wooden rigs-Iron Men. The price is \$75 per copy, which includes sales tax, handling, and postage

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

No. of books \_\_\_\_\_ Amount enclosed \_\_\_\_\_

Send to Corpus Christi Geological Society Book Orders

P. O. Box 60181

Corpus Christi, TX. 78466 Tax exempt# if applicable \_\_\_\_\_

**Wooden Rigs—Iron Men**

The Story of Oil & Gas in South  
Texas

By Bill & Marjorie K. Walraven

Published by the  
Corpus Christi Geological Society

david becker  
geologist

*David Becker*  
exploration  
geologist

o: (361) 884-3613  
f: (888) 869-2011


600 leopard st. ste 706  
corpus christi, tx 78473

dkbecker1137@sbcglobal.net

 **Bief Seis, Inc.**  
Geophysical Consulting

David Biersner, President  
19446 Arrowood Place  
Garden Ridge, Tx 78266  
Cell: 281.744.7457  
E-Mail: bierseis@yahoo.com

Field Quality Control  
Program Management  
Permit Management  
Seismic Line Clearing  
Supervision

 **Dawn S. Bissell**  
Geoscientist

**Advent Geoscience Consulting, LLC**


Phone: 361-960-2151  
Fax: 961-854-2604  
Email: bissells@swbell.net

253 Circle Drive  
Corpus Christi, TX 78411  
Home: 361-854-2635

**James L. Claughton**  
CONSULTING GEOLOGIST

Office | 361-887-2991  
Fax | 361-883-4790  
Cell | 361-960-2014  
clausoie@sbcglobal.net


615 North Upper Broadway  
Suite 1935  
Corpus Christi, Texas  
78401-0779

**TEXAS LONE STAR**   
PETROLEUM CORPORATION

**JEFF COBBS**  
President - Geologist

615 Leopard St., Suite 336 Office (361) 883-2911  
Corpus Christi, Texas 78401-0610  
jc@tlspc.com Cell (361) 960-0530

**Jim Collins**  
Geoscientist



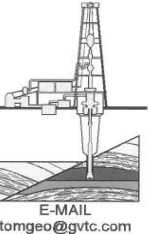
361.537.4034  
jim@gulfcoastgas.com

 **SV Energy Company, LLC**  
Conventional Thinking. Unconventional Results.

Frank G. Cornish  
Consulting Geologist  
615 N. Upper Broadway, Suite 1770  
Corpus Christi, TX 78401  
frank.cornish@gmail.com

361-883-0923 (o)  
1-800-510-5810 (f)  
361-563-9184 (m)

**TOM DAVIDSON**  
GEOLOGIST



28550 IH-10 WEST SUITE #4  
BOERNE, TEXAS 78006

BUS: (210) 844-8963  
RES: (830) 981-5883  
FAX: (830) 981-5567  
CEL: (210) 844-8963

E-MAIL  
tomgeo@gvtc.com

**SeismicVentures**

**Sara Davis**  
Business Development Manager  
s\_davis@seismicventures.com


Seismic Ventures, LLC  
4805 Westway Park Blvd.  
Suite 100  
Houston, Texas 77041

tel: 281-240-1234 (x3206)  
cel: 713-256-8737  
fax: 281-240-4997  
www.seismicventures.com

ONE APEX ENERGY, INC.

**CHRISTIAN DOHSE**  
Consulting Geologist

(361) 877-3431  
CHRISTIAN.DOHSE@GMAIL.COM  
CORPUS CHRISTI, TX



**Tommy Dubois**  
Geologist

2627 CR 312  
Yoakum, Texas 77995

361-215-0223 tvdubois@yahoo.com

**Enrique (Rick) Garza**  
Operation Supervisor  
US Land

 **Global Geoscience Solutions**

Rick.Garza@GlobalGeophysical.com  
DIRECT +1 713-908-7428  
MOBILE +1 361-701-6480  
FAX +1 713-808-7928  
13927 South Gessner Road  
Missouri City, Texas 77489 USA  
www.GlobalGeophysical.com

**GISLER BROTHERS LOGGING Co., Inc.**

P.O. BOX 485  
106 E. MAIN RUNGE, TX 78151



Wes Gisler  
Bus. (830) 239-4651  
Mobile (361) 676-1369 wes@gislerbrotherslogging.com

Home (830) 239-4914  
Direct (830) 239-4693


Robert Graham  
President  
grexploration@gmail.com

Phone 361-882-7681  
Fax 361-882-7685  
Cell 361-774-3635

**GrX Inc.**  
Exploratory Prospects & Production Development


Mail: P. O. Box 1843  
Corpus Christi, Texas  
78403-1843

Office: 606 N. Carancahua, Ste. 610  
Corpus Christi, Texas  
78401-0634



**RAY GOVETT, Ph. D.**  
CONSULTING GEOLOGIST

361-855-0134

 **HART EXPLORATION, LLC.**

**RICK HART**  
Geologist / Owner

P.O. Box 729  
Coldspring, Texas 77331

Cell: 512-626-3053  
Email: hartexploration@aol.com

**RIVIERA EXPLORATION, LLC**

H. TONY HAUGLUM  
President

600 LEOPARD ST.  
SUITE 1704  
CORPUS CHRISTI  
TEXAS 78401

PHONE 361.884.1811  
FAX 361.884.8071  
E-MAIL THAUGLUM@SWBELL.NET




**BRENT F. HOPKINS**  
PRESIDENT AND CEO  
GEOLOGIST

**SUEMAUR EXPLORATION & PRODUCTION, LLC**


FROST BANK PLAZA  
802 N. CARANCAHUA, SUITE 1000  
CORPUS CHRISTI, TEXAS 78401-0015

OFFICE: (361) 884-8824  
FAX: (361) 884-9623  
RES: (361) 643-8373  
CELL: (361) 215-4855  
Email: brenth@suemaur.com

 **EOG Resources, Inc.**  
539 N. Carancahua Suite 900  
Corpus Christi, TX 78401-0908  
Direct: (361) 887-2681

**Randy Lambert**  
Geological Advisor

Fax: (361) 844-1546  
randy\_lambert@eogresources.com

 **Louis R. Lambiotte**  
Geologist

**LMP Petroleum, Inc.**  
615 N. Upper Broadway, Suite 1770  
Corpus Christi, TX 78477  
Tel: (361) 883-0923  
Fax: (361) 883-7102  
E-mail: geology@LMPexploration.com

**James R. Jones**  
Geologist

7434 Long S Drive  
Corpus Christi, TX 78414  
361-779-0537  
jrjones5426@aol.com

**"The Mud Stops Here"**



**LUKE KINGSBURY**  
Field Engineer - Gulf Region

**STRATA-VANGUARD® - STRATA-FLEX® - FRAC-ATTACK®**  
**STRATA-TROL® - FOAM-BLAST® - STRATA-LUBE®**

P.O. Box 272  
Crowley, LA 70527-0272  
Toll Free 1-888-856-0001  
www.stratacontrol.com

Office (337) 785-0000  
Fax (337) 785-0004  
Mobile (361) 739-9667  
Email luke@stratacontrol.com

**Nicola Maitland**  
Client Training and Support Manager



431 Mason Park, Suite B  
Katy, Texas 77450

Direct: 713-972-6209  
Cell: 281-507-6552  
Fax: 281-395-6999

www.resolvegeo.com Email: nmaitland@resolvegeo.com

**CURTIS R. MAYO**  
GEOLOGICAL CONSULTANT

Reserve Analysis Prospect Evaluation  
Expert Witness Prospect Generation

Fredericksburg, Texas 78624

Office: 830.992.2938 Cell: 830.765.0628 E-Mail: cmayo@crscs.net

**HOLLIMON OIL CORPORATION**

**ARMANDO (MANDY) MEDINA**  
EXPLORATION MANAGER

8610 N. NEW BRAUNFELS  
SUITE 705  
SAN ANTONIO, TEXAS 78217

amedina@hollimonoil.com  
OFF: (210) 829-8822  
FAX: (210) 829-8833

**Dennis O. Moore**  
Formation Evaluation  
Wireline Systems - Southern Area



800 N. Shoreline Blvd., Suite 700 N. Tower  
Corpus Christi, Texas 78401-3771  
Office: 361-883-1561  
Fax: 361-883-4390  
Cell: 361-816-5144  
Email: dennis.moore@bakerhughes.com

www.bakerhughes.com

**J. Mark Miller**  
President



Phone (361) 883-7700  
Fax (361) 883-7701  
mark@millersmithgas.com

545 N. Upper Broadway  
Suite 400  
Corpus Christi, Texas 78476

**Wellhead Gas Marketing**

Mailing Address  
615 Leopard, Ste. 640  
Corpus Christi, Texas 78401-0641  
361.882.7888 phone  
361.882.7889 fax  
361.946.2581 mobile

Contact Address  
1701 Southwest Parkway, Ste. 109  
College Station, Texas 77840  
866.946.2581 phone  
866.946.2580 fax

pmueller@muelrexp.com  
www.muelrexp.com




**J. Paul Mueller, Jr.**  
President

**YOUR CARD COULD BE HERE!!!**  
**\$30 FOR 10 ISSUES**  
**AD PRICES PRO-RATED**  
**EMAIL CHRISTIAN AT**  
**CHRISTIAN.DOHSE@GMAIL.COM**


Patrick Nye  
President  
patrick@nyexp.us

Office: (361) 452-1455  
Cell: (361) 658-1089  
Res: (361) 238-2146



**NYE**  
Exploration & Production, LLC


802 N. Carancahua, Suite 1840  
Frost Bank Plaza  
Corpus Christi, TX 78401  
www.nyexp.us



**Ken Orlaska**  
Account Manager

281-497-8440  
Direct: 281-249-5051  
Fax: 281-508-8096  
Cell: 832-455-1818  
e-mail: korlaska@geotrace.com

12141 Wickchester Lane, Suite 200  
Houston, Texas 77079  
www.geotrace.com




**Herradura Petroleum, Inc.**  
**JEFF OSBORN**  
Geologist

711 N. Carancahua, Ste. 1750  
Corpus Christi, Texas 78475  
e-mail: jeff@herradurapetroleum.com

Office: 361-884-6886  
Fax: 361-884-9102  
Cell: 361-537-2349

**SWIFT ENERGY COMPANY**



**RICHARD M. PARKER P.G.**  
Manager / Geological Operations  
TBPG License # 6056

(281) 874-2585  
Mobile # 1 (713) 724-4380  
Mobile # 2 (713) 206-3158  
Home: (281) 412-0745

16825 NORTHCHASE DR., SUITE 400  
HOUSTON, TEXAS 77060 E-mail: richard.parker@swiftenergy.com



**Beth Priday**  
Senior Geologist

615 North Upper Broadway  
Suite 525, WF168  
Corpus Christi, Texas 78477  
Bus (361) 882-3046  
Fax (361) 882-7427  
Mobile: (361)443-5593 • E-mail: bpriday@virtexoperating.com

**Minerals Exploration and Mining**  
*Uranium In Situ Leach*

**Richard M. Rathbun, Jr.**  
Certified Professional Geologist 9544 / AIPG  
Texas Board of Prof. Geoscientists / Lisc. No. 4679

921 Barracuda Pl.  
Corpus Christi, Texas 78411

(361) 903-8207  
rathbunassoc@msn.com

**Weatherford®**

**Wireline Services**

Weatherford International Ltd.  
401 E. Sonterra Blvd., Suite 1  
San Antonio, Texas 78258  
USA

**Sam Roach**  
US Guld Coast Wireline Sales

+1.210.930.7588 Direct  
+1.210.930.7610 Fax  
+1.210.241.2463 Mobile

sam.roach@weatherford.com  
www.weatherford.com

**First Rock, Inc.**

RGR Production First Rock I, LLC

**Gregg Robertson**

Main Office:  
600 Leopard, Suite 1800  
Corpus Christi, TX 78401  
361-884-0791

Field Office:  
5574 FM 1344  
Floresville, TX 78114  
830-484-1122

**ION**  
GEOVENTURES®

**Alvin Rowbatham**  
Sales, Gulf of Mexico

Main +1 713 789 7250  
Direct +1 281 781 1065  
Fax +1 713 789 7201  
Mobile +1 832 372 2366  
alvin.rowbatham@iongeo.com

2105 CityWest Blvd. | Suite 900  
Houston, TX 77042-2839 USA

**TOM SELMAN**  
selmanlog.com  
tselman@selmanlog.com

Ofc. (432) 563-0084  
(800) 578-1006  
Cell (432) 288-2259



**SELMAN AND ASSOCIATES, LTD.**  
GEOLOGICAL CONSULTING / SURFACE LOGGING SERVICES

P.O. Box 61150 Midland, TX 79711 4833 Saratoga #624 Corpus Christi, TX 78413 P.O. Box 2993 Rock Springs, WY 82902



**Petrophysics, Inc.**  
Velocity Surveys • Synthetics • Sonic Log Data

**Joe H. Smith**  
President

713.560.9733  
jsmith@petrophysics.com  
www.petrophysics.com

P.O. Box 863323  
Plano, Texas 75086

**Crossroads Exploration**

**Gloria D. Sprague**  
Geologist

Timpson Building  
189 N. First Street, Suite 111  
Timpson, Texas 75975  
E-Mail: gsprague@usawide.net

Office: (936) 254-3600  
Fax: (936) 254-3602  
Mobile: (936) 488-9428

**Charles A. Sternbach, Ph.D.**  
President

**Star Creek Energy Company**  
Oil and Gas Exploration

800 Wilcrest Drive, Suite 230  
Houston, Texas 77042  
office: 281.679.7333  
cell: 832.567.7333  
carbodude@gmail.com



www.starcreekenergy.com

**THOMAS W. SWINBANK**  
 CERTIFIED PETROLEUM GEOLOGIST  
 PRESIDENT

STRIKE OIL & MINERALS CORP.  
 P.O. Box 1339  
 GEORGETOWN, TEXAS 78627

PHONE/FAX 512-863-7519  
 HOME 512-863-7903  
 CELL 512-876-9585

**Dennis A. Taylor**  
 Vice President of Geology  
 dennis@amshore.com



Off: (361) 888-4496  
 Fax: (361) 888-4588  
 Direct Line: (361) 844-6722  
 Cell: (972) 672-9916


**AMERICAN SHORELINE, INC.**  
 AMSHORE TEXAS WIND, LLC  
 802 N. Carancahua Street, Suite 1250  
 Corpus Christi, Texas 78401-0019  
 www.amshore.com

*Environmental* *Exploration & Production*

**JEANIE TIMMERMANN**  
 GEOSCIENTIST  
 TX LICENSE #2289

7214 Everhart #9  
 Corpus Christi, TX 78413

(361) 991-7451  
 jtimmermann74@msn.com



**Davis Petroleum Corp.**  
 www.davispetroleumcorp.com

**Jim Travillo**  
 Senior Geoscientist

1330 Post Oak Boulevard  
 Suite 600  
 Houston, Texas 77056

Direct: 713.439.6773  
 Main: 713.626.7766  
 Fax: 713.626.7775  
 Cell: 713.823.9332

jtravillo@davcos.com



10001 Richmond Avenue  
 Houston, TX 77042-4299  
 P.O. Box 2469 (77252-2469)  
 Tel: 713-689-6562  
 Fax: 713-689-1089  
 Mobile: 281-615-6827  
 CTutt@slb.com

**Chris O. Tutt**  
 Sales Representative  
 NAM Sales

**SEBASTIAN P. WIEDMANN**  
 GEOSCIENTIST

WILSON PLAZA WEST  
 606 N. CARANCAHUA, SUITE 500  
 CORPUS CHRISTI, TEXAS 78401  
 swiedmann@braytoncc.com

OFFICE (361) 884-4084  
 FAX (361) 882-7816  
 MOBILE (361) 946-4430



**ION GEOVENTURES**

Dave Willis  
 Onshore Sales


Main +1 713 789 7250  
 Direct +1 281 781 1035  
 Mobile +1 281 543 6189  
 Fax +1 713 789 7201  
 dave.willis@iongeo.com

2105 CityWest Blvd. | Suite 900  
 Houston, TX 77042-2839 USA



10001 Richmond Avenue  
 Houston, Texas 77042-4299  
 P.O. Box 2469 (77252-2469)  
 Tel: 713-689-2757  
 Fax: 713-689-1089  
 Mobile: 281-658-5263  
 CYanez@slb.com

**Charles Yanez**  
 Manager  
 Shared Value Optimization



**STALKER ENERGY L.P.**

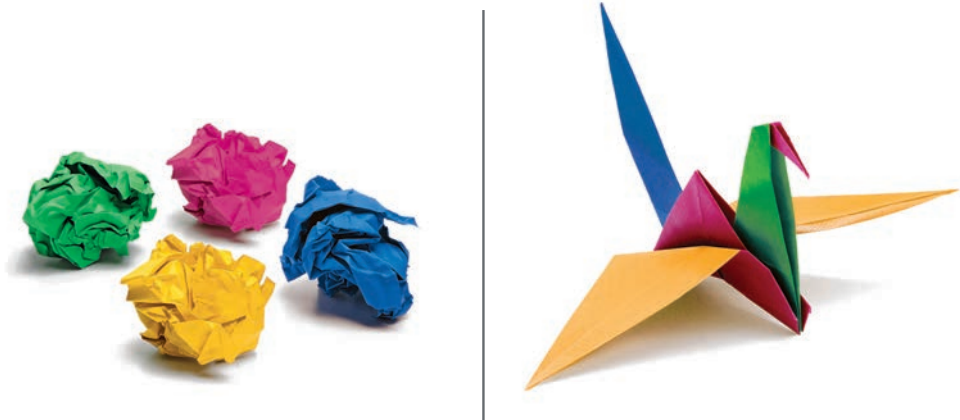
WILLIAM A. WALKER, JR.  
 Certified Petroleum Geologist  
 bwalker@stalkerenergy.com

1717 West 6<sup>th</sup> Street, Ste. 230 • AUSTIN, TX 78703  
 2001 Kirby Dr., Ste. 950 • HOUSTON, TX 77019

AUSTIN  
 512.457.8711  
 cell: 512.217.5192  
 fax: 512.457.8717

HOUSTON  
 713.522.2733  
 cell: 512.217.5192  
 fax: 713.522.2879

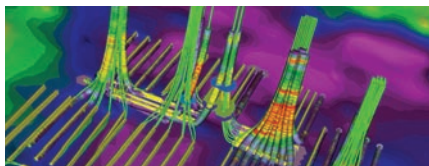
**YOUR CARD COULD BE HERE!!!**  
**\$30 FOR 10 ISSUES**  
**AD PRICES PRO-RATED**  
**EMAIL CHRISTIAN AT**  
**CHRISTIAN.DOHSE@GMAIL.COM**



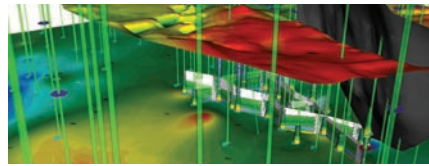
## Build reservoir analyses. Watch your potential soar.

IHS PETRA® provides a unique solution to integration, analysis and manipulation of geological, geophysical, petrophysical and engineering information. With easy data loading and a powerful and flexible database, you can both effectively manage projects and quickly visualize results using interactive mapping, cross sections, log plots, cross plots and more—all within a single system. Superior technical support and proven integration of customer enhancements make PETRA the highest-ranked<sup>1</sup> geological interpretation tool in the E&P industry for both reliability and accuracy and ease of use. **Energy information, refined.**

<sup>1</sup>Welling & Company Geological & Geophysical Software Study, 2009



Directional Well Module



3D Visualization Module

[ihs.com/petra-ccgs-1](http://ihs.com/petra-ccgs-1)



**The Source**  
for Critical Information and Insight

©2010 IHS Inc. All rights reserved.