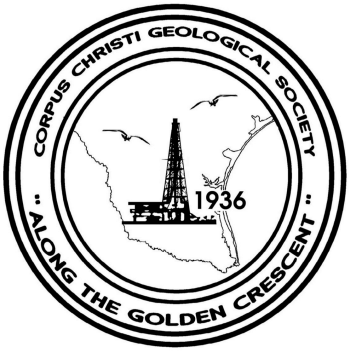
BULLETIN

Corpus Christi Geological Society



and

Coastal Bend Geophysical Society

November 2015
ISSN 0739 5620

American Shoreline, Inc.

Specializing in
Oil & Gas Exploration
& Wind Energy

Compliments of

Paul Strunk, Chief Executive Officer

Dennis Taylor, President & Chief Geologist

Jena Nelson, VP Finance & Administration

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

www.amshore.com

BLOOD DRIVE

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

Once you're had your Snoopy-like Nap -

GO OUT & DONATE YOUR BLOOD!!!

You'll be glad you did!

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

CORPUS CHRISTI GEOLOGICAL SOCIETY
P.O. BOX 1068 * C.C. TX. 78403
2015-2016
www.ccgeo.org

OFFICERS

President	Mike Lucente	361-883-0923	mikel@lmpexploration.com
President Elect	Barbara Beynon	361-387-9400	bbeynon77@yahoo.com
Vice President	William Thompson	361-242-3113	William.Thompson@rrc.texas.gov
Secretary	Casey Mibb	361-726-1092	clmibb@yahoo.com
Treasurer	Austin Nye	361-452-1435	austin@nyexp.us
Past President	Leighton Devine	361-510-8872	ldevine@suemaur.com
Councilor I	Rick Paige	361-884-8824	rickp@suemaur.com
Councilor II	Randy Bissell	361-885-0113	randyb@headington.com

AAPG DELEGATE

2006-2016	Dennis Moore	361-886-5144	dennis.moore@bakerhughes.com

EDITORS

Bulletin Editor	Marian Wiedmann	361-855-2542	wiedgulf@gmail.com
Bulletin Tech. Editor	Sebastian Wiedmann	361-946-4430	swiedmann.geo@gmail.com
Web Master	Josh Pollard	361-654-3100	support@interconnect.net

GEOLOGICAL SOCIETY COMMITTEES & CHAIRPERSONS

Advertising/ Business Cards	Robert Sterett	361- 739-5618	robert.sterett@gmail.com
Arrangements	Wes Gisler &	830-239-4651	wes@gislerbrotherslogging.com
	Will Graham	361-885-0110	willg@headingtonenergy.com
Bloodmobile	Mike Lucente	361-883-0923	mikel@lmpexploration.com
Earth Day	Alan Costello	361-888-4792	acostello@royalcctx.com
Continuing Ed.	Stephen Thomas	361-660-8694	sthomas@spnaturalresources.com
Education	J. R. Jones	361-779-0537	jrjones5426@aol.com
Scholarship	Dawn Bissell	361-960-2151	bissells@swbell.net
Fishing Tournament	Leighton Devine	361-882-8400	ldevine@suemaur.com

History	Ray Govett	361-855-0134	ray30@hotmail.com
Membership	Dorothy Jordan	361-885-0110	dorothyj@headington.com
	Randy Bissell	361-885-0113	randyb@headington.com
Type Logs	Frank Cornish	361-883-0923	frank.cornish@gmail.com
University Liaison	Zach Corcoran	361-902-2857	zcorcoran1982@gmail.com

COASTAL BEND GEOPHYSICAL SOCIETY
P.O. BOX 2741 * C.C. TX. 78403
2015-2016

OFFICERS

President	Lonnie Blake	361-883-2831	lonnie_blake@eogresources.com
Vice President	Tom Harrington	361-902-2886	tom_harrington@eogresources.com
Secretary/ Treasurer	Matt Hammer	361-888-4792	mhammer@royalcctx.com

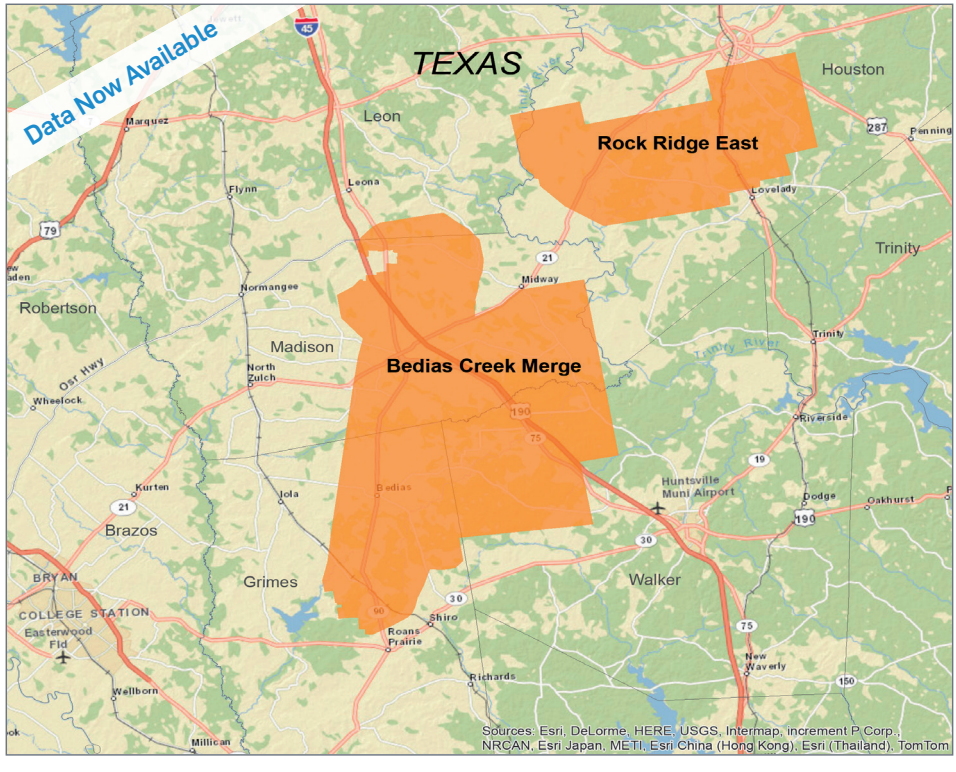
COMMITTEES AND CHAIRPERSONS

Membership	Dorothy Jordan	361-885-0110	dorothyj@headington.com
	Randy Bissell	361-885-0113	randyb@headington.com
Golf Chairman	Fermin Munoz	361 960-1126	fmunoz04@hotmail.com
Scholarship/ Chairman	Ed Egger	361-947-8400	edegger69@gmail.com
Education			

Visit the geological Web site at www.ccgeo.org

YOU'VE ARRIVED

Bedias Creek Merge
Madison, Grimes, Walker, and Leon Countires, Texas



CGG offers the industry's most recent and technologically advanced multi-client data library in the world's key locations. Here is what Bedias Creek has in store:

- 110-fold data acquired using cableless **Sercel UNITE** crews and a dynamite source
- State-of-the-art processing, including 5D Interpolation and Orthorhombic Pre-Stack Time Migration

The best data, the right location, the right time!

Scott Tinley
+1 832 351 8544
scott.tinley@cgg.com

Cheryl Oxsheer
+1 832 351 8463
cheryl.oxsheer@cgg.com

cgg.com/multi-client

CGG
Passion for Geoscience

TABLE OF CONTENTS

CCGS/CBGS JOINT MEETING SCHEDULE 2015-2016

September 2015						
S	M	T	W	Th	F	S
		1	2	3	2	5
6	7	8	9	***10***	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Sept. 10, 2015
5:30p.m.—8:30p.m.
Kickoff BBQ
Hoegemeyer's Barbeque Barn

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

Oct. 28—11:30a.m.—1:00p.m.
Speaker: Neil Peake, CCG Geo Consulting Seismic Reservoir Characterization.
"Unconventional Reservoirs: An Integated Workflow Incorporating Surface Seismic, Mineralogy, & rock Properties in the Haynesville Shale."

November 2015						
S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	***18***	19	20	21
22	23	24	25	26	27	28
29	30					

Nov. 18—11:30a.m.—1:00p.m.
Speaker: Lorenzo Garza & Joe Stasulli, Railroad Commission of Texas. "Horizontal Drilling in Texas: A Tale That Begins in the Austin Chalk, but Whose Ending Has Yet To be Written."

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

Dec. 9—11:30a.m.--1:00p.m.
Speaker: Dmitri Bevc,Ph.D., Chevron, SEG Distinguished Lecturer "Full Wave-Form Inversion: Challenges, Opportunities and impact"

January 2016						
S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	***20***	21	22	23
24 31	25	26	27	28	29	30

Jan. 20--11:30a.m.—1:00p.m.
Speaker: Charles Sicking, VP of R&D/Chief Geophysicist, Global Geophysical Services, Inc. "Predicting Frac Performance and Active Producing Volumes Using Microseismic Data"

February 2016						
S	M	T	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	***17***	18	19	20
21	22	23	24	25	26	27
28	29					

Feb. 17—11:30a.m.—1:00p.m.
Speaker: Collegiate Month.

CCGS/CBGS JOINT MEETING SCHEDULE 2015-2016

March 2016						
S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	***16***	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April 2016						
S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	***20***	21	22	23
24	25	26	27	28	29	30

May 2016						
S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	***18***	19	20	21
22	23	24	25	26	27	28
29	30	31				

March 16—11:30a.m.—1:00p.m. Speaker:

April 20—11:30a.m.—1:00p.m. Speaker:

May 18—11:30.m.—1:00p.m. Distinguished Speaker:

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…….. 2nd Tues every other month In San Antonio

PRESIDENT'S LETTER

AND NOW THE BAD NEWS

My last President's letter was upbeat. I called a bottom and I'm sticking with it, but we are way down from the highs and will likely have a lackluster comeback due to world economic issues and how they resolve.

This part of the recovery is the toughest. Reality has set in. Budgets are slashed. Hourly pay rates are cut. Royalty and working interest income have come way down. The phones have stopped ringing. What do we do?.....We survive. We tighten our belts, we review every expense. We high grade our drilling deals with a sprinkling of reality dust. We take another look at that development well on the books. We work harder and smarter.

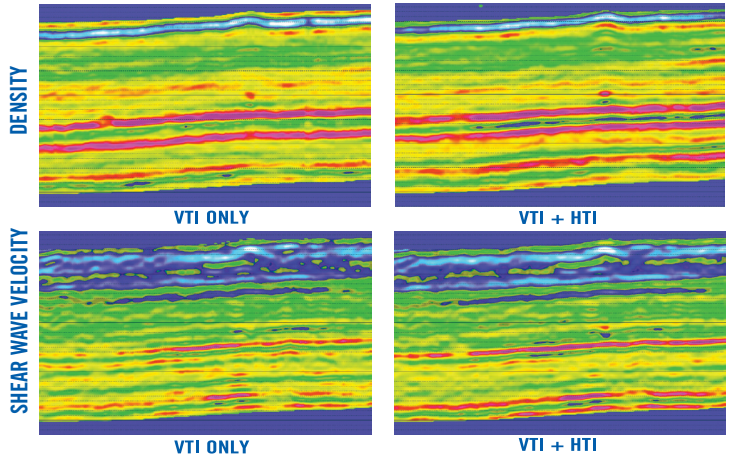
This Geological Society is faced with the same issues. Donations are down and advertising is way off from last year. Many members have not paid their dues - this is active and on-going. Also, I will ask again that any donations, no matter how small, to the Corpus Christi Geological Society General Fund would be greatly appreciated and help us balance our budget without making severe cuts beyond what we are doing now.

STAY TOUGH OUT THERE!

Sincerely,

Michael E. Lucente—CCGS President

is ANISOTROPY a PAIN in your ATTRIBUTES?



Azimuthal velocity variations in the earth, characterized as HTI anisotropy, manifest as small shot-receiver azimuth related timing distortions in 3D seismic data, especially on the higher (>30 degree) angular offsets. If not properly corrected during imaging, these timing distortions will negatively impact pre-stack inversion and the accuracy of rock property attributes, especially shear velocity and density attributes.

The solution is to process the data in an offset *and* azimuthally friendly manner, incorporating both VTI and HTI anisotropy into the pre-stack migration step. Our patented technology produces offset *and* azimuth amplitude preserved final gathers, which are flat in both offset *and* azimuth out to 55 degrees of angular offset. We affectionately refer to these as *"Inversion Ready Gathers."*

INVERSION READY GATHERS

www.globalgeophysical.com/GATHERS or
Contact us at GATHERS@globalgeophysical.com

Global Geophysical Services
tel +1 713-972-9200 www.globalgeophysical.com

Global™ Geophysical Services

CBGS PRESIDENT'S LETTER

News -

TAMUK is developing a Geophysics program. I would like to have help to raise funds for their geophysical labs. Any ideas on fund raising would be appreciated.

Business -

See any good talks at the SEG convention? Let me know.

Education -

- GSH

Webinar: Simplifying and Lowering the Cost of Shear Wave Reflection Seismology, Dr Bob Hardage, BEG

CBGS has a revenue sharing agreement with GSH, so please mention CBGS if you register for any GSH events.

SEG

2014 SEG Convention Technical Program Recording: Available at the following link -SEG Convention Technical Program Recordings

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

AAPG

Practical Salt Tectonics - Houston, Texas 1-4 December 2015

Unconventionals Update Workshop - 3-4 November 2015 | Austin, Texas

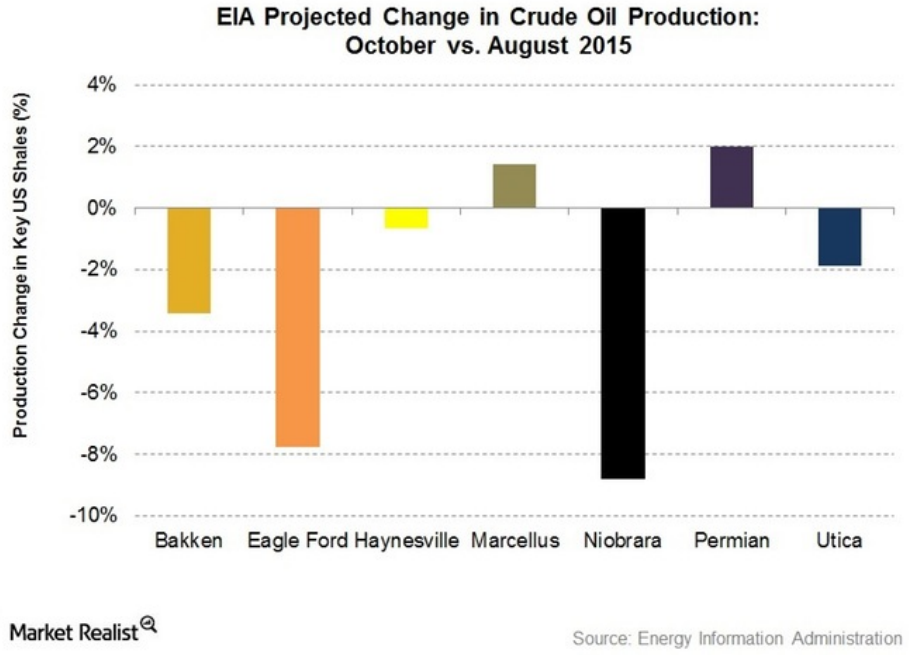
Revitalizing Reservoirs Workshop – Gulf Coast, Southwest, Mexico & Latin America Focus - 1-2 December 2015 | San Antonio

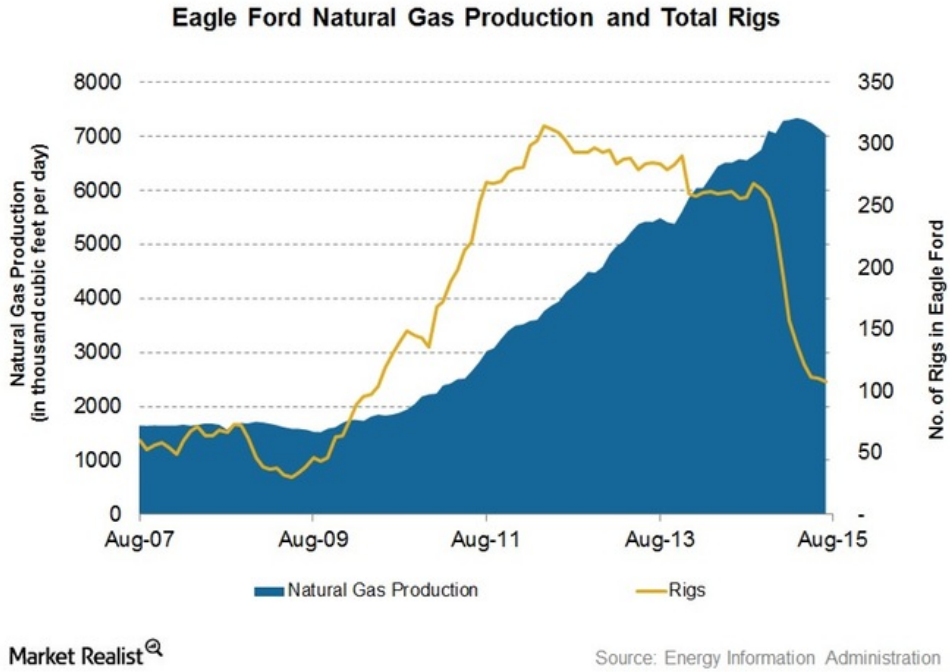
Monthly O&G Statistics

Texas Oil and Gas Info	Current Month	Last Month	Difference	
Texas Production	MMBO/BCF	MMBO/BCF	MMBO/BCF	
Oil	87	88.4	-1.4	Aug
Gas	657	659	-2	Aug
	Current Month	Yr to date - 2015	Yr to date - 2014	
Texas Drilling Permits	864	7,407	16,719	Aug
Oil wells	222	1,828	4,890	
Gas wells	59	546	912	
Oil and Gas wells	518	4,598	10,209	
Other	0	0	0	
Total Completions	1,382	14,665	20,657	Aug
Oil Completions	1,113	11,723	17,787	
Gas Completions	172	2,006	2,170	
New Field Discoveries	2	50	27	
Other	47	936	700	

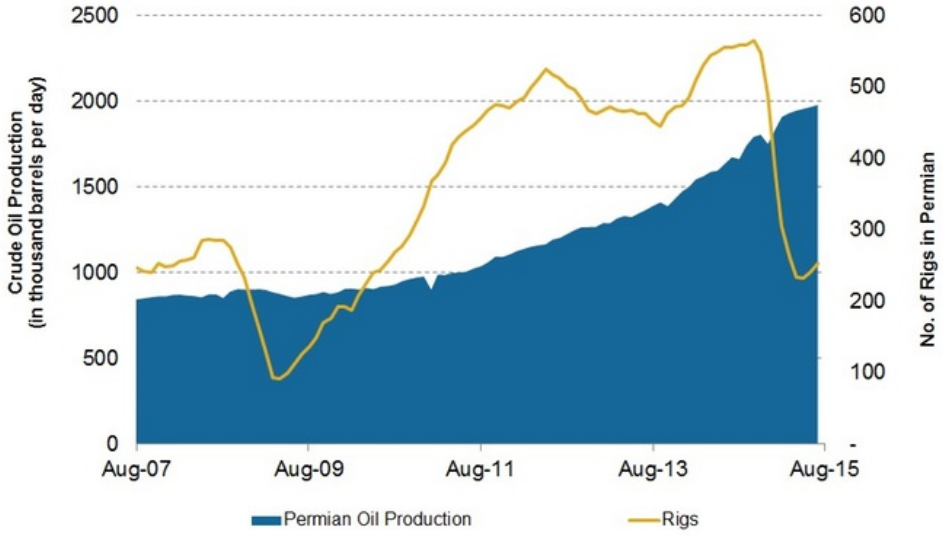
Some interesting graphs/trends. Data courtesy of Market Realist/Energy Information Admin.

Interesting - Marcellus gas production is still projected to increase. And Permian Oil/Liquids is projected to increase.





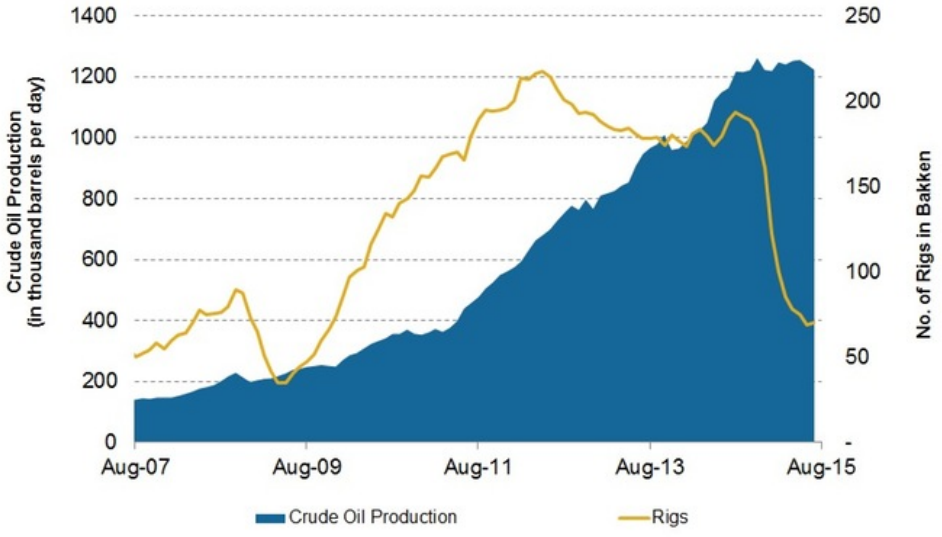
Permian Crude Oil Production and Rigs



Market Realist

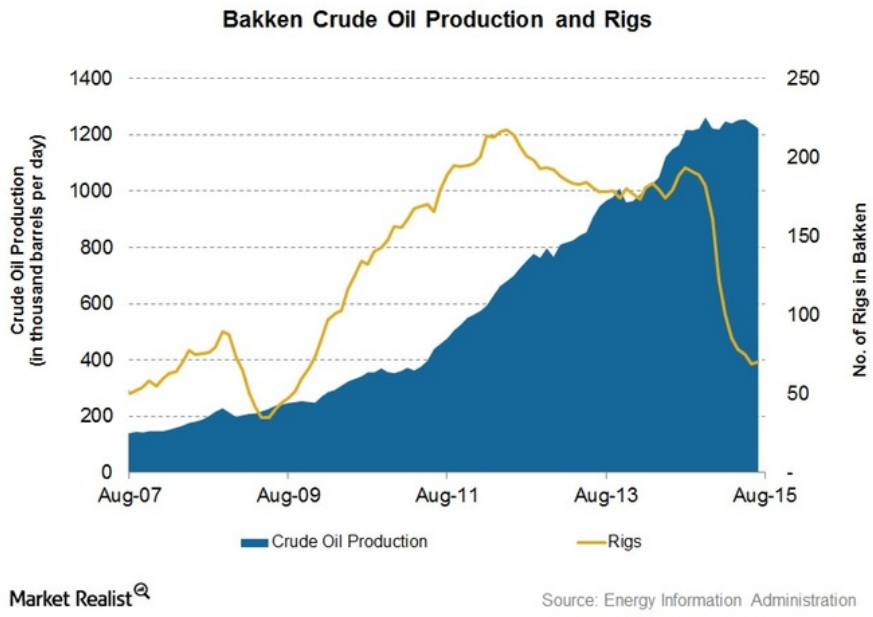
Source: Energy Information Administration

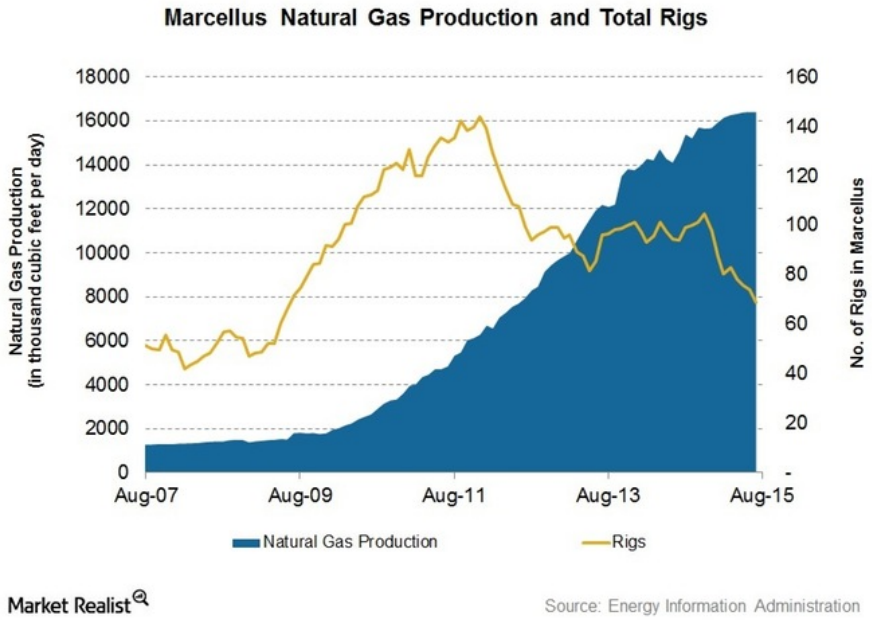
Bakken Crude Oil Production and Rigs



Market Realist

Source: Energy Information Administration





--

Lonnie Blake
CBGS President

sponsors

CORPUS CHRISTI GEOLOGICAL SOCIETY & COASTAL BEND GEOPHYSICAL SOCIETY

LUNCHEON MEETING ANNOUNCEMENT

WEDNESDAY, NOVEMBER 18th, 2015

Location: Congressman Solomon P. Ortiz International Center, 402 Harbor Drive, Corpus Christi, TX 78401 *http://ortizcenter.com*

Bar Sponsor: To be announced

Student Sponsor: Core Lab (Juan Cabasos) and the CCGS

Time: 11:30 am Bar, Lunch follows at 11:45 am, Speaker at 12:00 pm

Cost: $25.00 (additional $3.00 surcharge without reservation; No-shows may be billed and non-RSVP attendees cannot be guaranteed a lunch); $10.00 for students (discounted by our generous sponsors!)

Reservations: Please RSVP by the FRIDAY, Nov. 13th
E-Mail: *wes@gislerbrotherslogging.com*

Please note that luncheon RSVPs are a commitment to the Ortiz Center and must be paid even if you can't attend the luncheon.

Horizontal Drilling in Texas: A Tale That Begins in the Austin Chalk, but Whose Ending Has Yet to be Written.

Presented by: Lorenzo Garza and Joe Stasulli, Railroad Commission of Texas

A look at the beginning of the horizontal drilling story in Texas and where the industry is going in the future will be discussed. How the Railroad Commission of Texas has had to adapt and evolve to meet this new trend will be emphasized. Presenting will be representatives of Railroad Commission of Texas, Oil and Gas Division: Lorenzo Garza, Manager of the Drilling Permits Section, and Joe Stasulli, Manager of the Well Compliance Section.

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

GCAGS 2016 Update

The Gulf Coast Section is the largest section of the American Association of Petroleum Geologists. There are 13 local Geological Societies that comprise the Gulf Coast Association. The object of this Association is to: provide for the discussion and publication of papers on subjects and problems coming within the scope of the Geological profession with particular emphasis on Gulf Coast Geology.

The Gulf Coast Association of Geological Societies Annual Convention was held in Houston, Texas; September 20-22, 2015. It was a well attended convention, with around 1300 attendees, lots of great vendor displays, over 70 technical talks, several short courses and field trips. We had 13 people from Corpus Christi attend the convention, and several graduated TAMUK students attended as well.

The Corpus Christi Geological Society had a booth at the 2015 Convention. People like Corpus Christi and are excited to attend a convention next year.

The CCGS will host the 2016 Convention, September 18-20, 2016. The technical meetings will be held at the American Bank Center and the Omni Hotel is the host hotel.

Several field trips are in the planning phase and we plan to offer several short courses too.

A great team has come together to organize the convention, but we will need much more help to actually 'make it happen'. The core team is:

Bob Critchlow and Rick Paige, Technical Program

Allen Lassiter, Poster Sessions

Barbara Beynon, Field Trips

Stephen Thomas, Short Courses

Lonnie Blake, Sponsorships

Jennifer Smith-Engle, Technical Editor

Sebastian Wiedmann, Publicity

Susan Stone and Jeanie Timmerman, Registration

All of these areas will need extra help. There are also parties to plan, volunteers to coordinate, and a myriad of other activities. Let me know your area of interest, and we will get you involved.

However, the foundation of a great convention is a strong technical program. See the call for papers on the next page, and consider giving a talk or presenting a poster. Share it with friend and colleagues. Refer talks and technical works to the technical committee.

Dawn Bissell
GCAGS 2016 General Chair

CALL FOR PAPERS

66th GCAGS Convention

September 17-20, 2016

American Bank Center

Bayfront Convention Hall

Corpus Christi, Texas

We're Building Sessions in these Themes

- The Gulf of Mexico Systems
- Conventional Carbonates & Clastics
- Tight Gas Plays
- Understanding the Resource Plays
- The Changing Coastal Landscape
- Mexico and Latin America
- Advances in Geophysical Technologies
- Enhanced and Secondary Recovery
- Reservoir Prediction and Quality
- Climate from Multiple Perspectives
- Protecting and Stewarding Water Resources
- Other Sessions Developed from Submissions

And We're Planning Field Trips & Short Courses, Too.

Want to Help? Have Ideas? Need Information? Contact Dawn Bissell, Convention Chairman, chair@gcags2016.com

Join the 2016 GCAGS Convention with an Oral or Poster presentation!

Please submit a 250-word abstract or summary of your planned paper or poster before **December 15, 2015** to our Technical Program Chairs, **Bob Critchlow** or **Rick Paige** at *techprogramchair@gcags2016.com*. Authors of accepted papers and posters will be notified **late January 2016**. Final extended abstracts, with or without figures, and full papers for publication in the *GCAGS Transactions* will be due by **March 21, 2016** to the *CGAGS Transactions* Editor, **Jennifer Smith-Engle**. Full information, instructions, size limitations, and helpful hints for abstracts, summaries, extended abstracts, and full papers can be found on

www.gcags2016.com

Thank you for your participation!

If you'd like to publish in the *GCAGS Journal* -

The Peer-Reviewed Journal of Gulf Coast Geoscience

Submit an extended abstract of at least 600 words, including 1-2 representative figures, to the *GCAGS Journal* Editor, **Barry Katz** at *barrykatz@chevron.com* by **December 15, 2015.** Once accepted for publication, a full manuscript should be submitted before **March 21, 2016**. Full instructions for manuscript submissions will be posted online at **www.gcags2016.com**

Convention presentations of Journal submissions are encouraged, but not required.

SPONSORS

Permission to republish "Autochthonously charged shale trends as environmental systems: the living basin and kerogen source analysis" slides was given by the author Woodson Godfrey

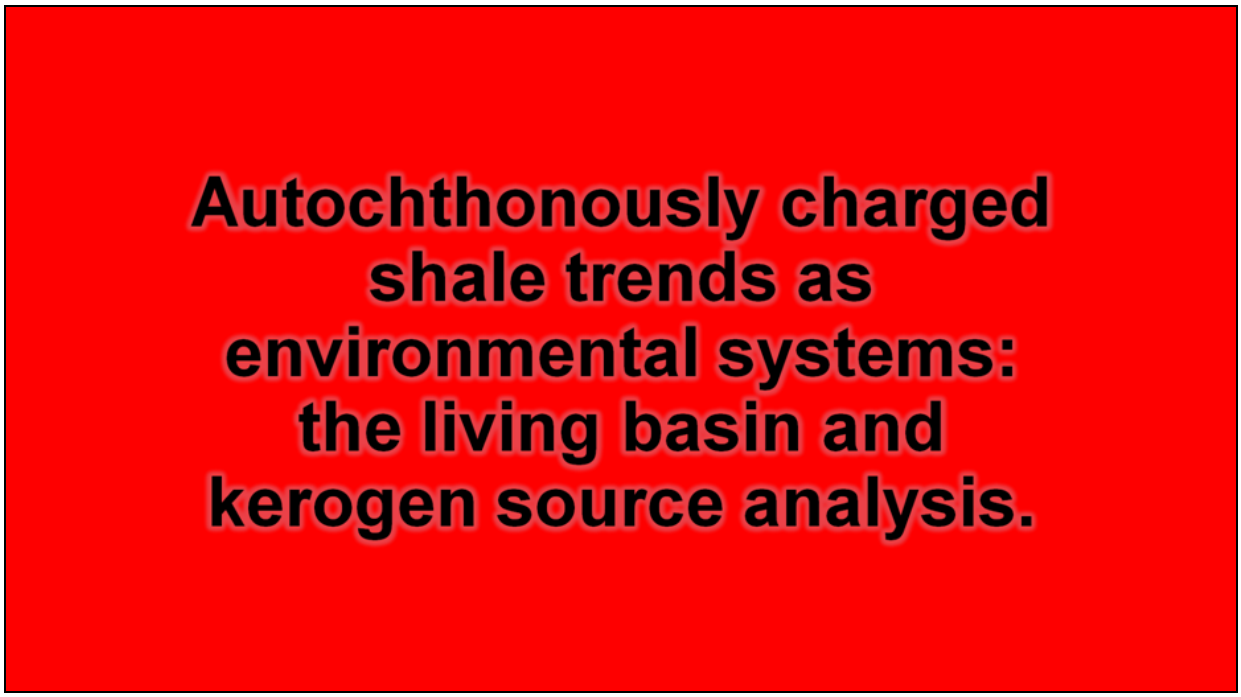
Autochthonously charged shale trends as environmental systems: the living basin and kerogen source analysis.

Presented by Woodson Godfrey, Paleosource

Compiling results from several years of basin sourcing projects it became evident that the most effective and accurate way of predicting and finding the desired hydrocarbon product was the reconstruction of the living basin. An environmental "checklist" was derived of features common to known successful resource plays. All of the criteria for energy production, fixation, conversion and storage correspond to the convergence of larger scale paleoenvironmental trends and conditions, which form a powerful tool for predicting new and better exploiting known resource plays..

About Woodson Godfrey: "While still in graduate school, my first professional work in the energy industry was as a consultant on the Paleogene Project for Amoco, where I was supervised by the incomparable Ted Karmen. Thereafter, a freshly minted MS from LSU in hand, I joined Shell Offshore in New Orleans, which served as a ten year apprenticeship in deep-water Plio-Pleistocene and Miocene, the offshore Mesozoic and the onshore Paleogene. Ten years later, I did a brief stint as internal Consulting Biostratigrapher for Conoco which, while it afforded a wide scope of possible assignments, was too far removed from direct contact with the work of my profession for my liking. I became a self-employed consultant twenty three years ago and have since then worked extensively not only the ages and trends above, but also the Jurassic, Permian, Pennsylvanian, Mississippian and Devonian in the Appalachian fold-belt, southwestern United States and, of course, the Gulf of Mexico. I would like to think the fun is just beginning."

Slide 1



This slide show and talk was originally presented at the CCGS Luncheon for December 10, 2014.

As it states above, this is meant to apply to autochthonously charged resource basins and their carbon or kerogen sources only. Strictly speaking, this is an anecdotal thesis and not a completed systematic study, although it appears consistent with the facts gleaned from multiple smaller studies.

Many of the images or slides were borrowed from websites, references are supplied. I claim no copyright except where noted and usually bearing the heading of my company PaleoSource.

Licensing Data?

Don't Let Tape Copy Costs - Drive Your Decision

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

NEGOTIATE
your tape copies of field data
BEFORE signing contract.

DON'T YOU OWE IT
to **YOURSELF** and
YOUR COMPANY
to have the best image before drilling?

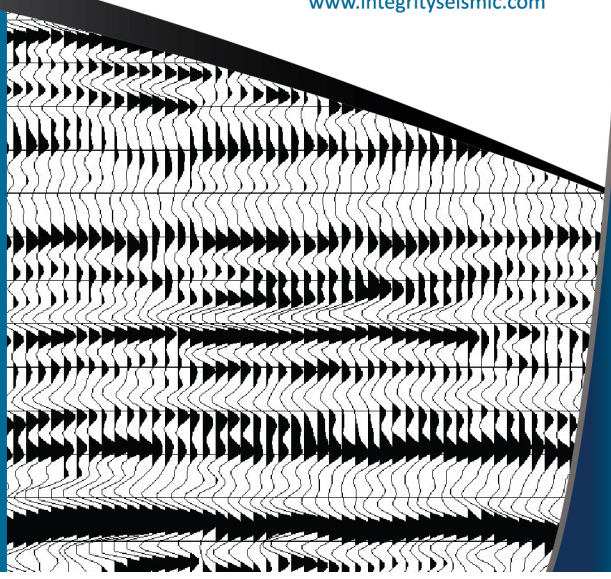
OUR SERVICES
- Onshore and OBC Controlled Amplitude & Controlled Phase (CA/CP) Processing
- Surface Consistent Processing
- Seamless Multi-Survey Merge
- Gather Conditioning with AVO Attributes
- Inversion and Fluid / Lithology Prediction

SENIOR PROCESSING GEOPHYSICISTS
- Daniela Smoleanu / Partner
- Karen Chevis-McCoy / Partner
- Steven Larson / Partner

INTEGRITY SEISMIC SERVICES
(713)357-4706
www.integrityseismic.com

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

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



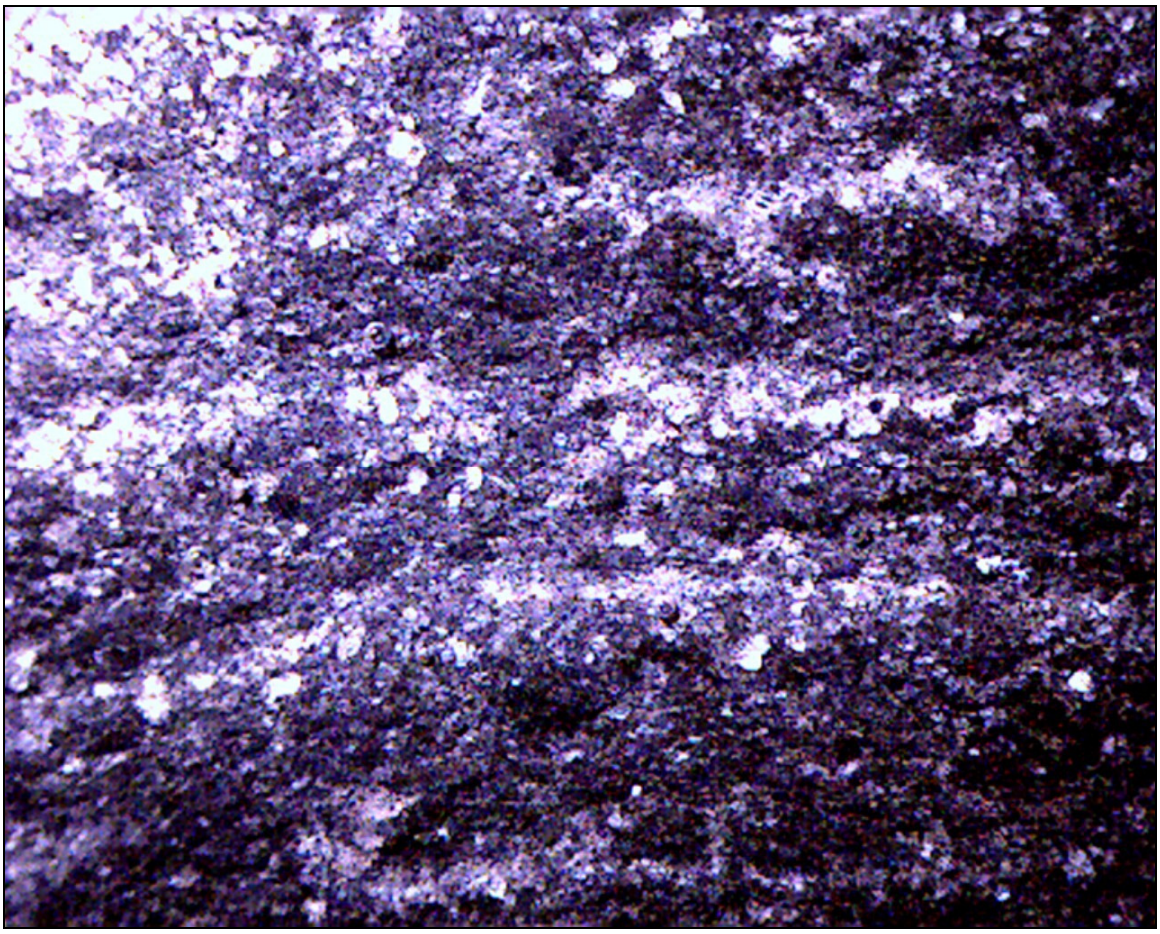
Slide 2

Source: www2.ohiodnr.com

This pictures an outcrop of the Marcellus Shale. Even at this resolution one can see a dominant feature of the Marcellus: extremely fine lamination on a millimeter by millimeter scale of graded beds. Even in thin section, the alternation of high and low energy deposition is apparent .

SPONSORS

Slide 3

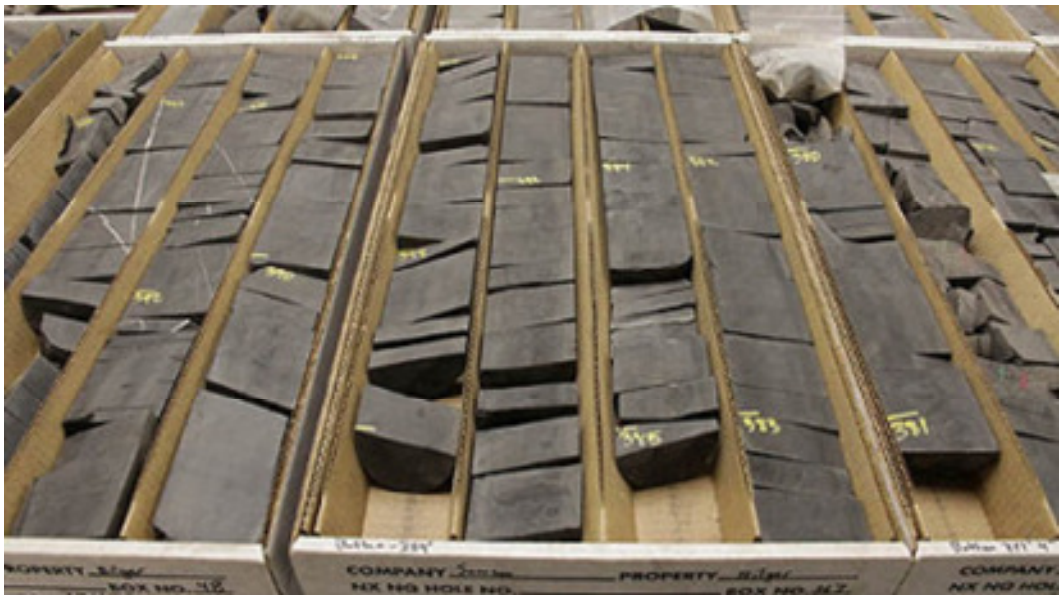


This is a stereoscopic view of a hand sample from the Lower Eagleford Formation. The dark bands are illitizing smectite clays in a calcite matrix and the finer, white bands are the recrystallized tests of planktonic foraminifera. This **microlamination** is an alternation of higher depositional energy from a terrigenous source with lower energy depositional bands from the water column. This was originally taken at 8x.

SPONSORS

Slide 4

Source: www.post-gazette.com

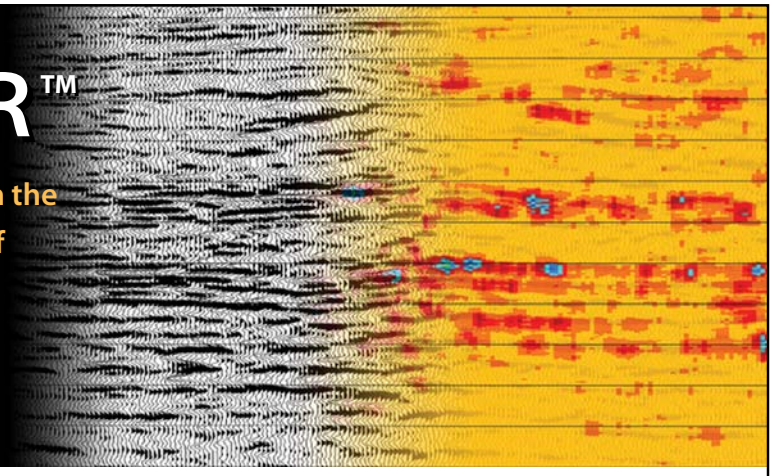


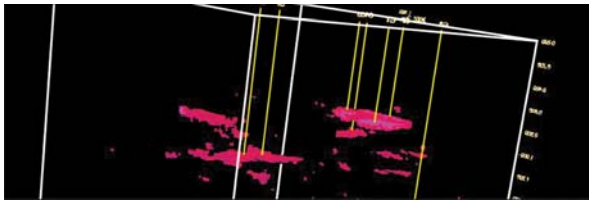
This borrowed slide of the Marcellus Formation simply represents the scale at which we commonly view the microlamination that is found in all of the shale plays that I've studied so far. The lithology is often variable between predominantly calcite with shale, as in the Eagle Ford Fm, to fine clastics, as in the Marcellus Fm. The question arises as to the cause of this consistent character regardless of sediment source.

DRILL SMARTER™

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

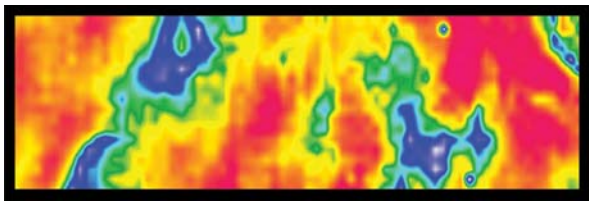
Reduce risk • Increase exploration success
Stay ahead of the competition • Improve your ROI





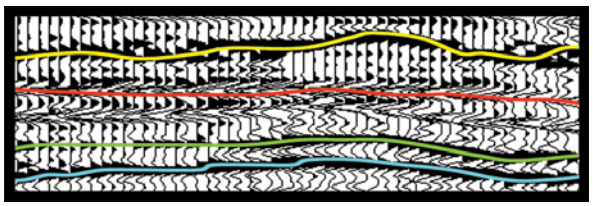
EnergyAbsorption℠

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



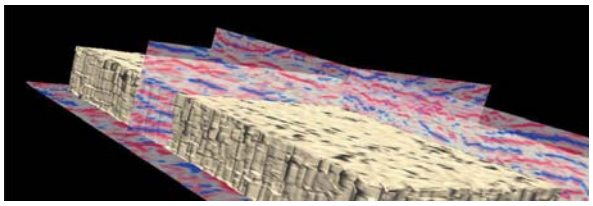
SpecView℠

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



HiRes℠

Recovers detail lost in the standard seismic response



SemCube℠

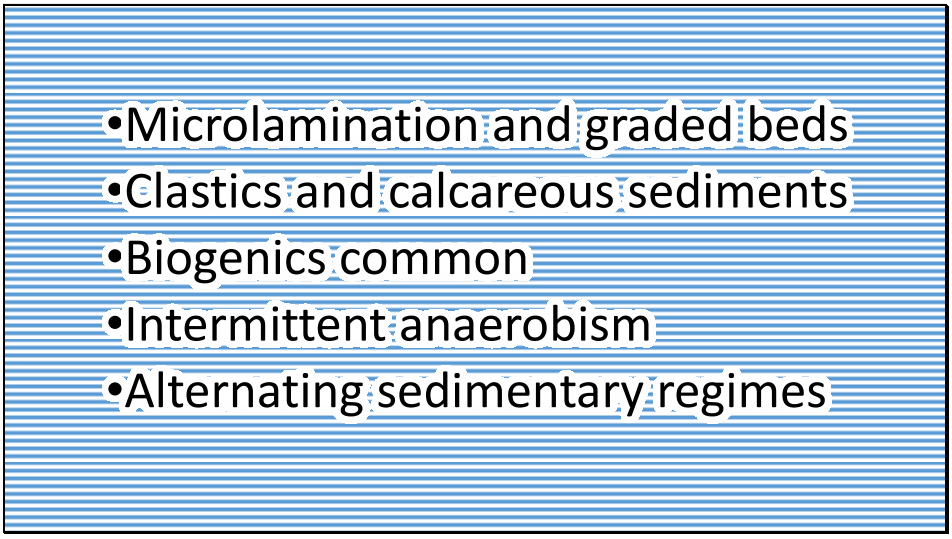
Measures a semblance response indicating faulting, fracturing and other anomalous areas

SeismicVentures®

For more information, contact Sara Davis at **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

Slide 5

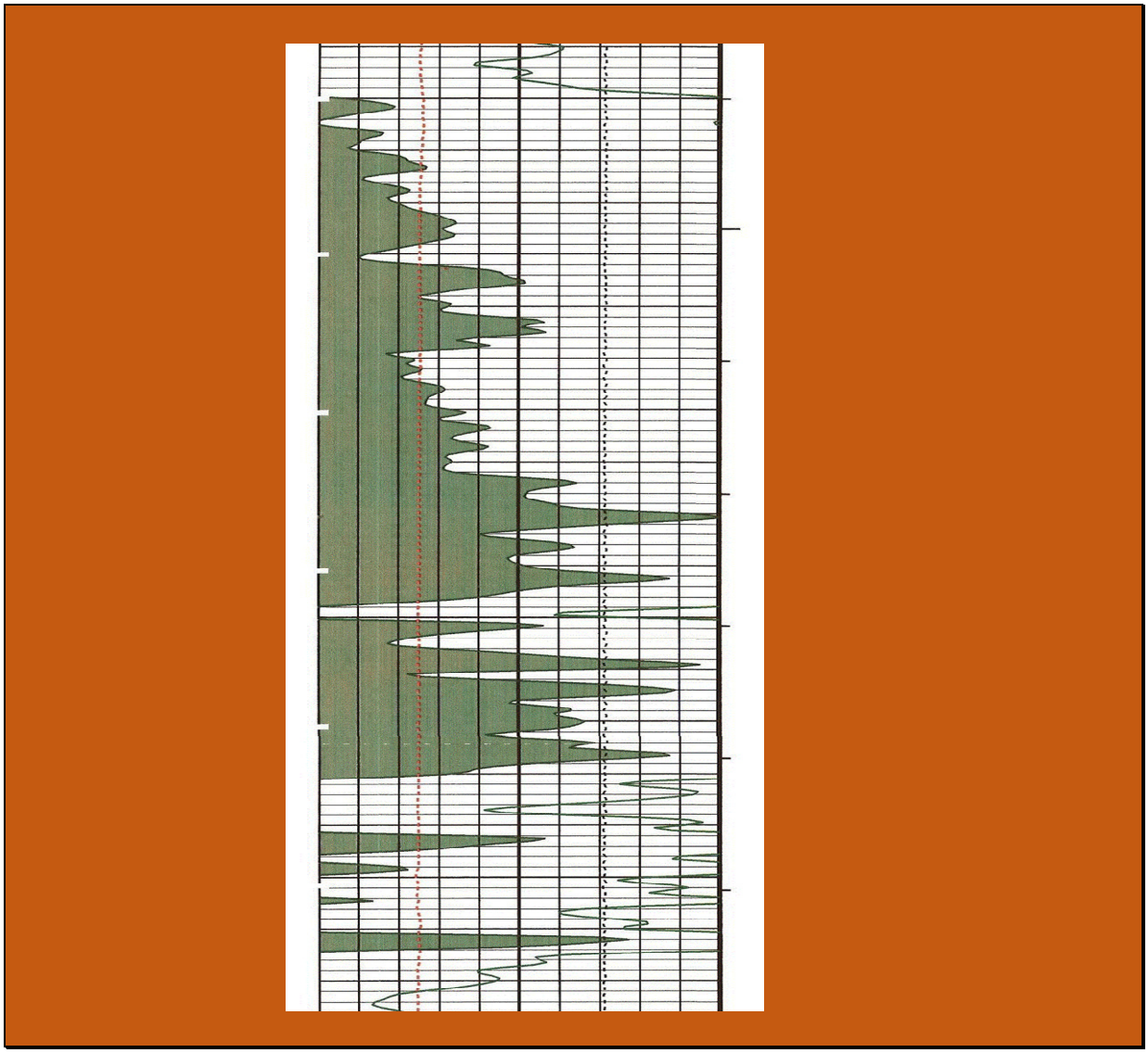


The observations:

1. Microlamination is common or universal to autochthonously charged formations whether characterized as shale plays, resource plays or source rocks.
2. This presence of calcite or other carbonates or clastics provides a seal or sealing matrix and makes the formation a candidate for fracking.
3. Biogenics, predominantly from terrigenous or near-shore sources abound in the form of molluscs or other bivalve invertebrates, echinoderms, plant remains, ostracods and other sources, abound in working shale plays.
4. Dark shales are often characterized as intermittent periods of anaerobism, often in direct contact with extremely aerobic fauna (note the Eagle Ford sample above). Even these "anaerobic laminae" may contain fauna of typically aerobic sources.
5. Lastly, there is a clear alternation in the energy regimes represented in the **microlaminae** of shale plays/resource plays.

SPONSORS

Slide 6



The way we most frequently encounter the microlamination of shale/resource plays is in the pattern of gamma ray character as pictured here. As a matter of note, spectral gamma ray logs are preferred for basin analysis. The provenance of clastics provides a clearer picture of the source and, as you will see, of the expectations of product to be harvested from that basin.

SPONSORS

Slide 7

Source: science.kennesaw.edu

The borrowed picture of this fresh to brackish water marsh/swamp/wetlands is my proposed answer to the source of all the above observations. All of the characters listed on summary slide ten (10) are attributable to the succession of rain forest/wetlands and freshwater marsh to brackish and saline swamps along the marine coastline.

Slide 8

Source: wikipedia.org/wiki/florida_mangroves

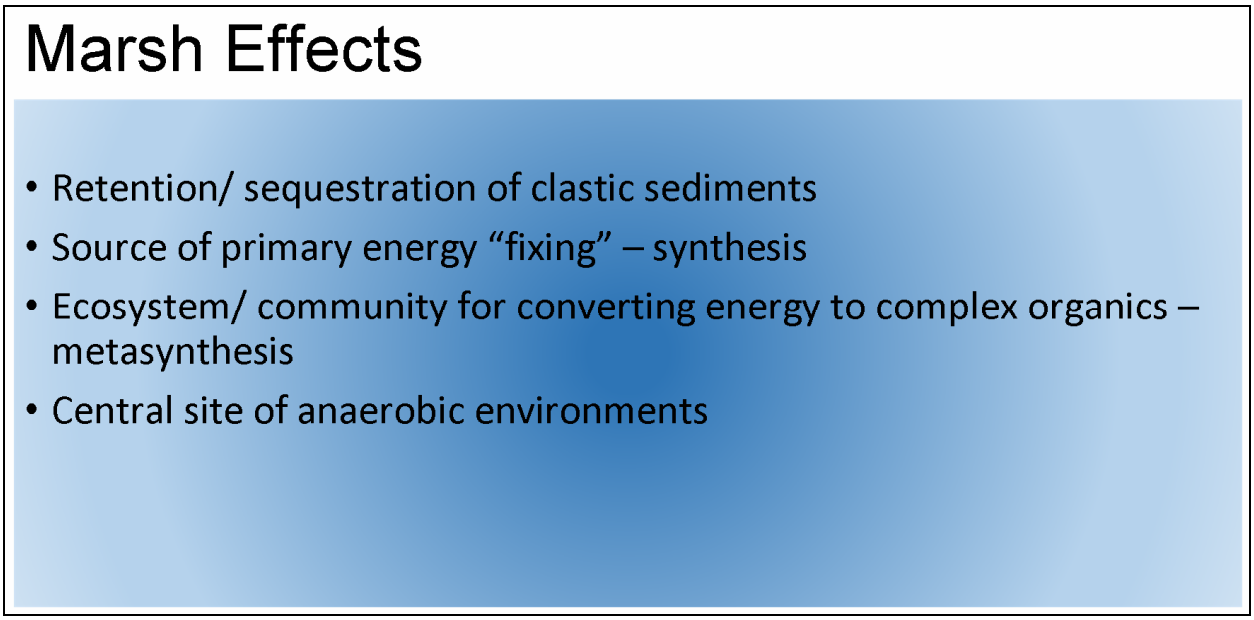
Coastal swamps and wetlands are the most productive biological systems on Earth and the most effective carbon sequestration system, as well. They slow the progression of clastic sediments to the basins they surround, allowing for biotic processes that degrade organic matter (kerogen), providing an aerobic/anaerobic chemical cauldron prior to delivery via riverine “flushing” to the final basinal destination (microlamination and alternating sedimentary energy).

Slide 9

Source: freshwater_marshes_usgov *or* www.ebabylone.com

The period of slowing or sequestration of sediments in the complex communities expose clays (shales) to long chain organic molecules that predetermine the final product options (kerogen type) available within a basin. Bonding that occurs between shale and organics also determines the nature of kerogen distribution to the basin and within the strata.

Slide 10



The first and second lines are issues addressed. Let's discuss the basis of the kerogen machine and the issues of intermittent anoxia.

Slide 11

Source: freshwatertuttle.wikispaces.com

A number of the biological components that produce high quality (Type 2 and 1) kerogens are concentrated and synthesized around coastal marshes. Even planktonic flora (basically bacteria) and faunas are concentrated around areas with dense concentrations of nutrients. In a typical large basin, floating algae are concentrated around the basin margins where nutrient access is greatest (and wind current distribution helps here, too). Algae and anchoring vascular plants, photosynthesis and bacterial degradation are only part of the burgeoning kerogen producing community.

Slide 12

Source: la.water.usgs.gov

Swamps and wetlands are complex and internally diverse systems, harboring oxidizing and anaerobic environments simultaneously with and great amount of interdependence. Photosynthetic products (including lignin or humic material) provide not only fuel for bacterial degradation, but constitute a base for a complex food chain that often supports the whole of a basinal ecosystem and determines its fossil kerogen.

Slide 13

Source: saltmarshlife.com

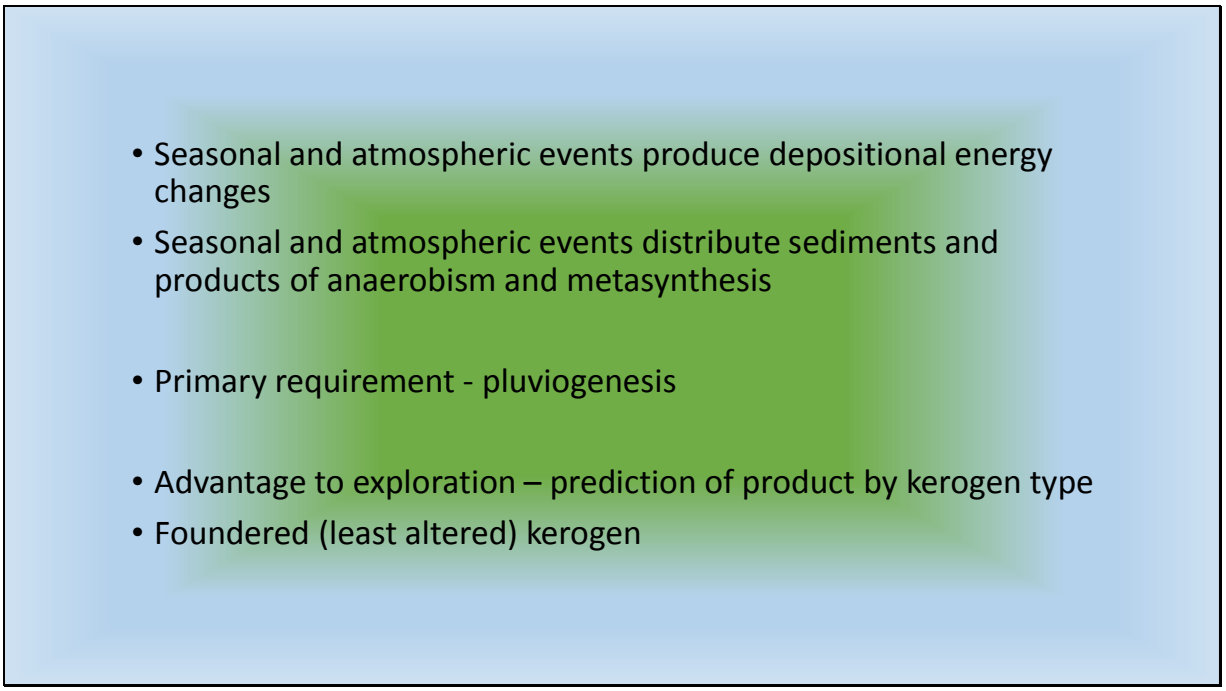
Forming complex, energy rich macromolecules, such as fat and protein, has a lot assistance. Thousands of extant species of molluscs, arthropods, protozoans and fungi and algae and so on contribute to the organic soup of wetland systems and the resultant kerogen. All of these species potentially feed into components of the fossil record, both directly and indirectly.

Slide 14

Source: merrylea.goshen.edu

Most of the anaerobic or anoxic shale laminae found in the basin are not necessarily *in situ*, but are formed along basin margins in the swamps that harbor the organics and associated shales. The anaerobic products here, often electrostatically bound to shales, are delivered fully cooked to their final resting place. The occurrence, volume and quality of the anoxic products here can be readily confirmed by donning waders. When you step into anoxia, you'll know it.

Slide 15

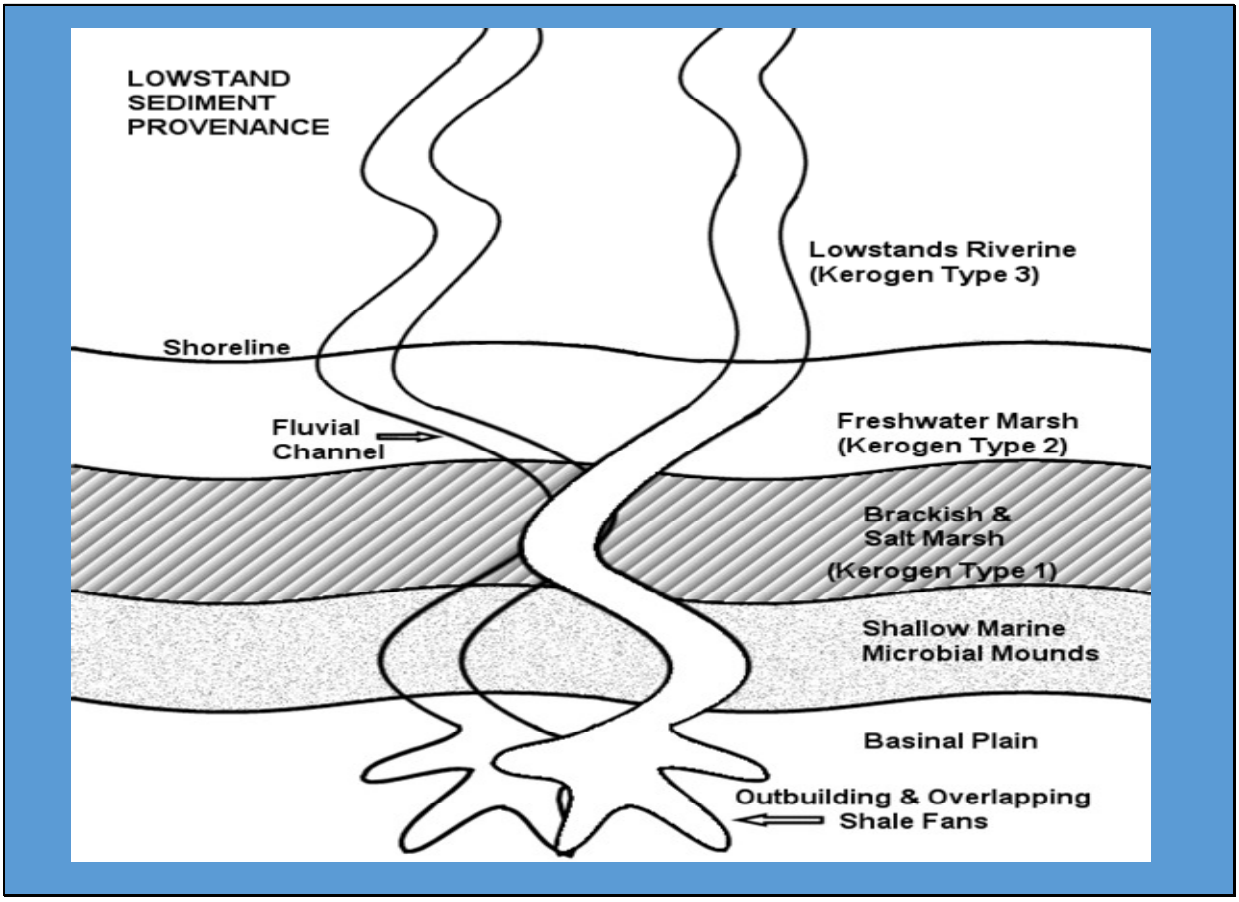


Seasonal and atmospheric events provide the means to flush clastics and organics from the swamps where they have rested and formed; these events being rainy seasons, flooding, storms and tidal currents. The seasonal or intermittent nature of such events is reflected by the microlamination , graded beds and energy and source alternation reflected in shale play deposition.

It should be well in evidence that the primary factor without which all others are moot is rain. A freely moving and energetic hydrologic cycle is the best single indicator of potential for the formation of a shale play. Rain formation or **pluviogenesis** is critical, whether locally or globally, to shale/resource play formation. This leaves us, again, with paleontologic and additionally isotopic records pointing the manner and quality of kerogen formation.

This is the essential payoff to understanding these wetlands systems for the explorationist – an abundance of clues to the specifics of source, kerogen quality (type) and best distribution models; a predictive method of product and location.

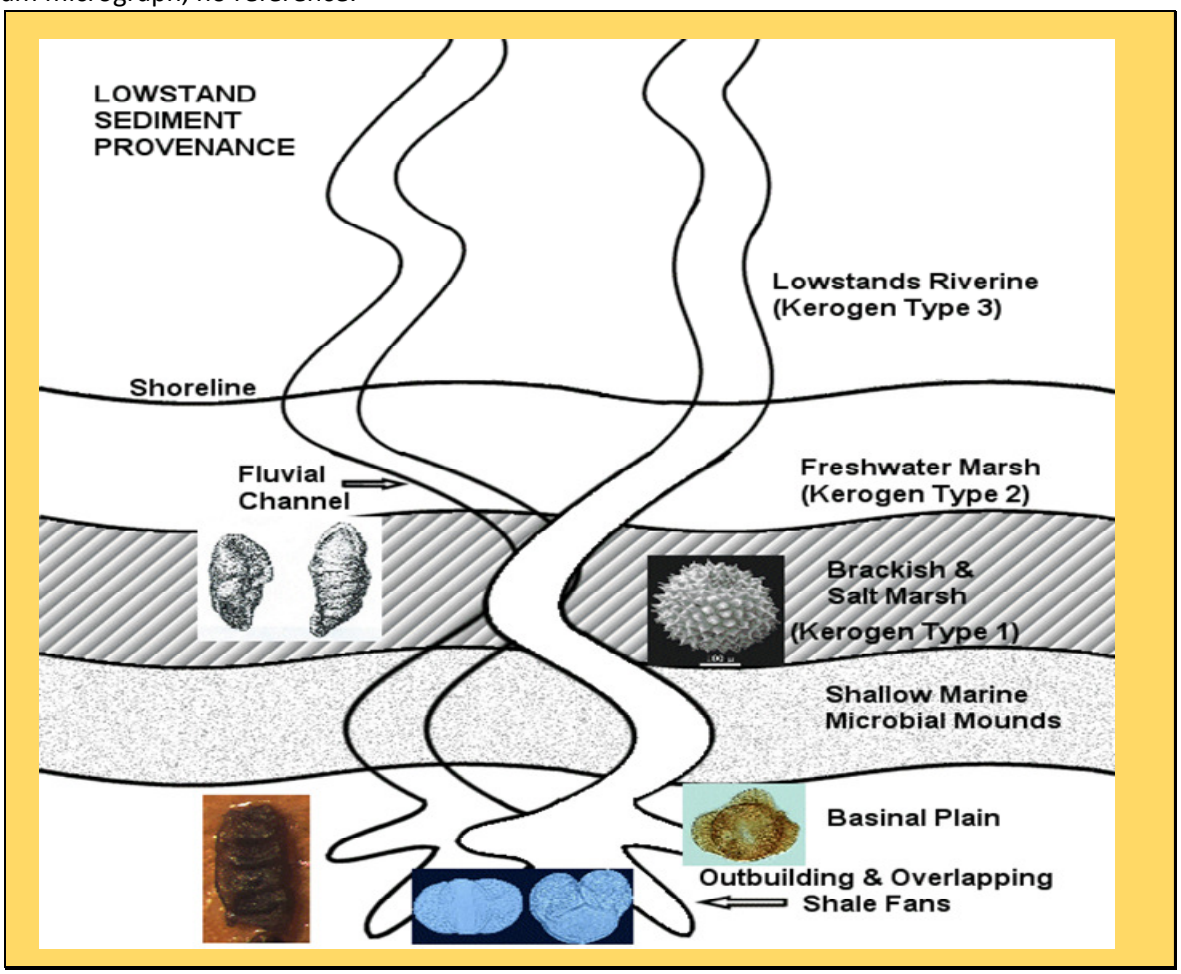
Slide 16



A typical lowstand sediment distribution model, highly generalized. The kerogen types most directly associated with the given biologic zone are listed. The first and foremost aspect of relative lowstand depositional systems is the tendency to minimize broad distribution of sediments from the transitional brackish and saline swamps, favoring a basinward movement and dominance of type 3 and, somewhat less, type 2 via channel and debris flows (outbuilding). This is typical of such plays as the Pearsall Group, associated with a long term relative low period in sea level. This typically yields gas with liquids. Some debris flows yield more limited source results, such as the Fayetteville, which produces only dry gas from humic sources of lowland plants.

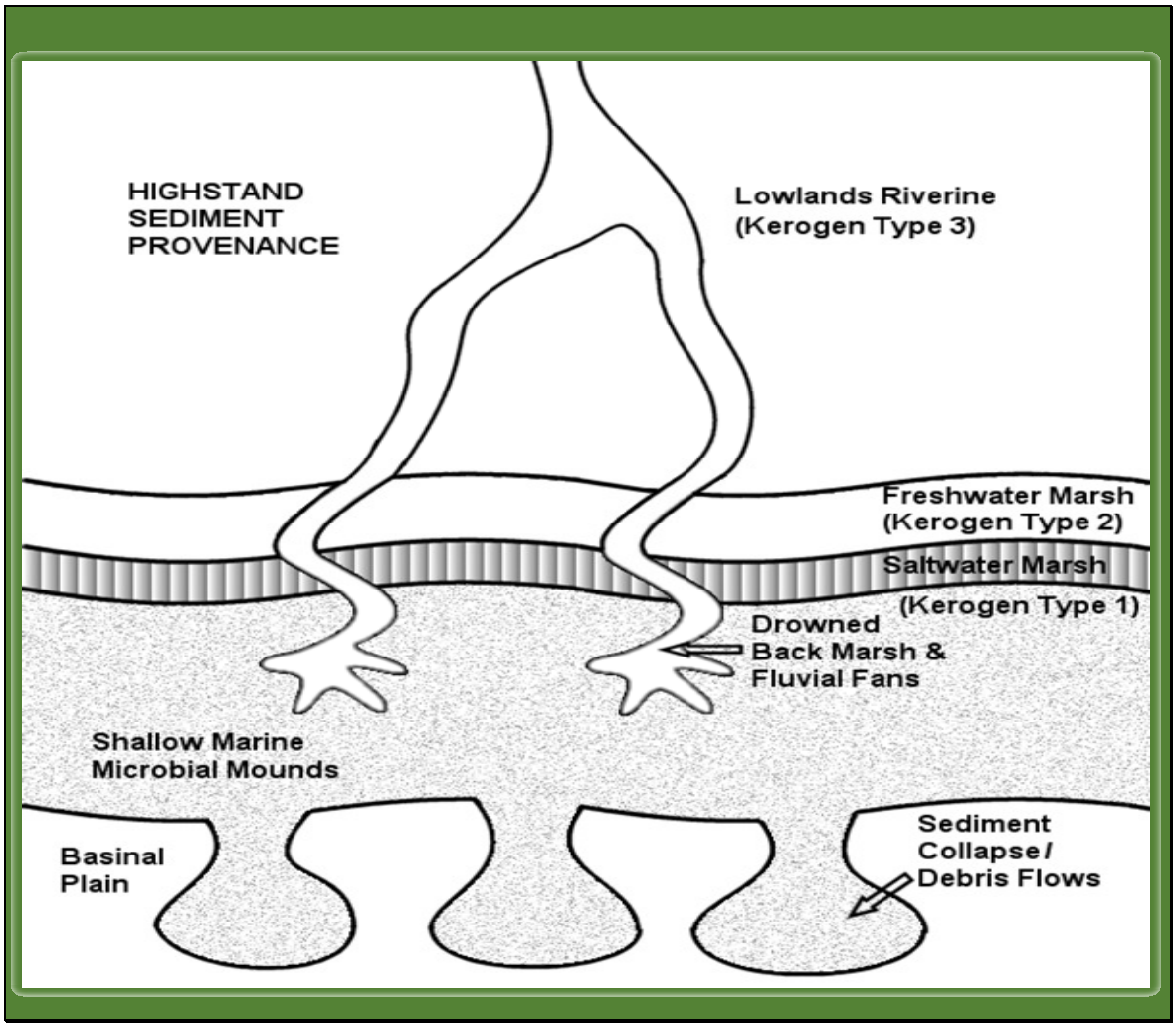
Slide 17

Sources: Starting in upper left, going clockwise -
H.B. Brady 1876 "Monograph of Carboniferouse and Permian Foraminifera" London Paleontographical Society 167 p. Plate VIII. --- Schaechter.asmblog.orgb --- www,sciteclibrary.ru --- imgarcade.com --- foram micrograph, no reference.



The lowstand depositional system is reflected by fossils, both faunal and floral. The pictures are examples the dominance of both in situ species, within their environments of origin (upper boxes) and reworked species (lower boxes) riding channel currents/ sediments. The distribution and dominance patterns of these **thanatocoenoses** (death assemblages) are clues to sediment/kerogen origins and the direction from which it comes, leading to predictive method for finding its maximum accumulation (sweetspot) and the product to be found (oil, gas, condensate).

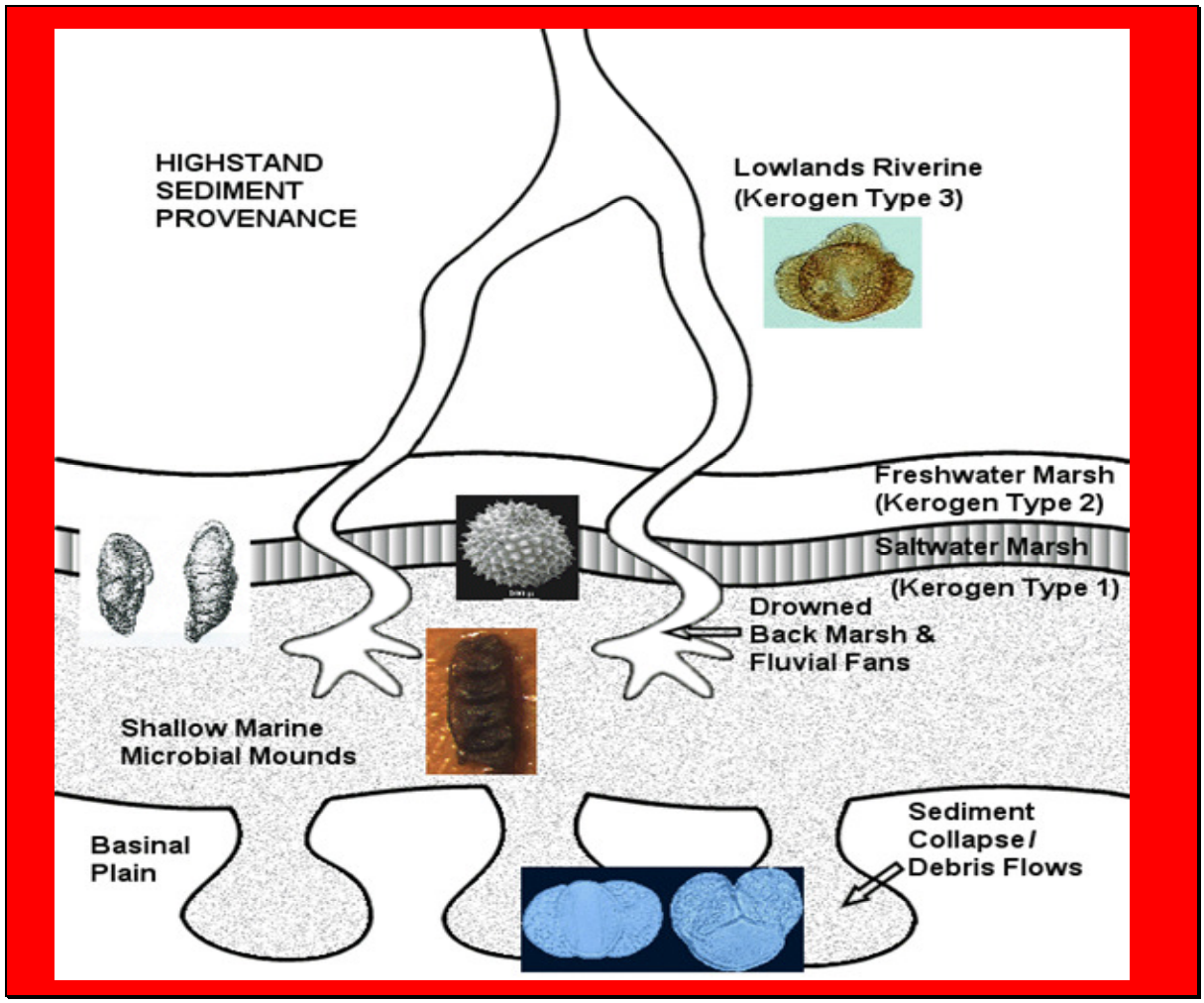
Slide 18



The highly generalized highstand depositional system: Channel accumulations are “drowned” back to backstepping progressions, foundering wetland and swamp sediments. Secondary distribution by mass slides and microlaminated debris flows become a prominent basin deposit.

Slide 19

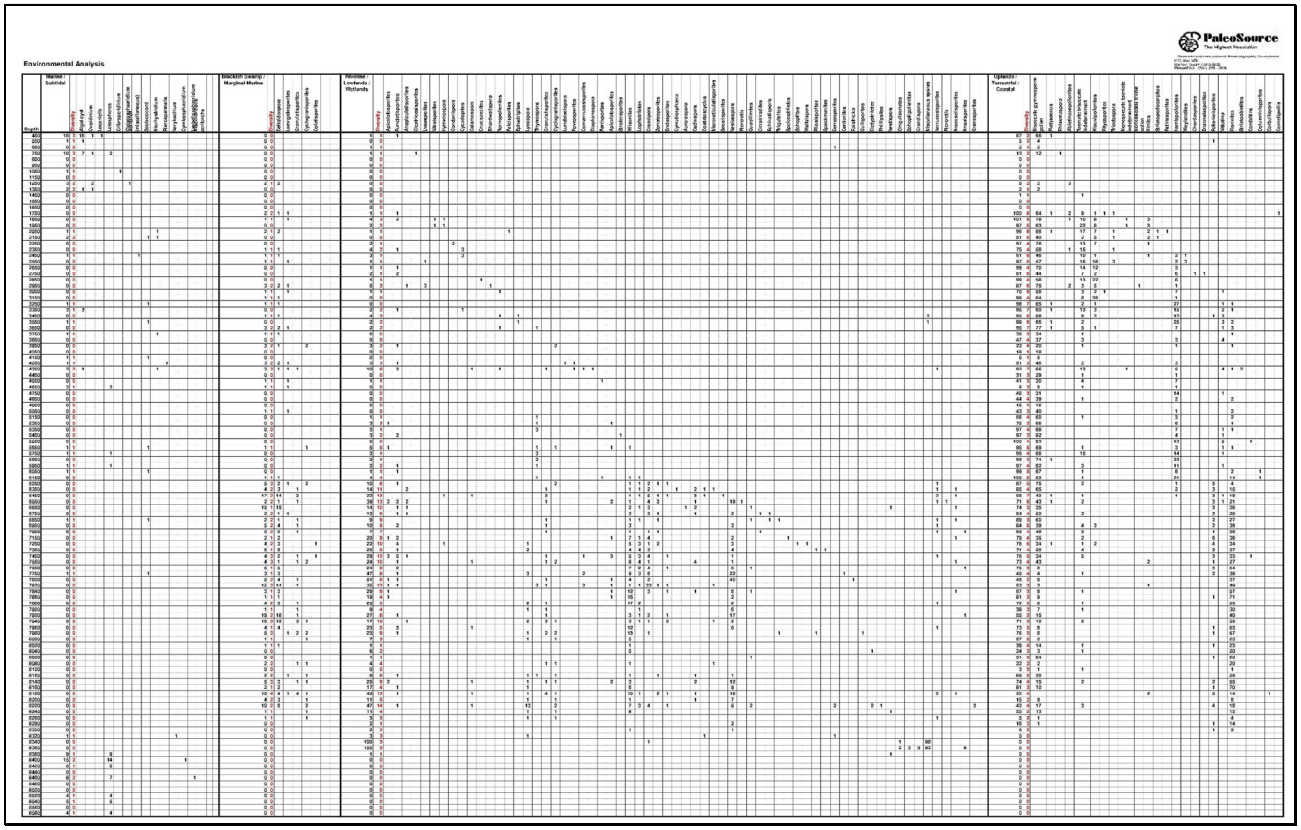
Sources: Same as Slide 17



Foundered wetlands/swamp sediments during highstand deposition form thick microlaminated sequences of seasonal deposition containing rich type 1 and type 2 kerogen concentrations which may be secondarily moved basinward by collapse systems (mass wasting) and less often by liquefaction and gravity flows. Some components of humic kerogen are still winnowed into deep basinal environments by having very low density and remaining durably in suspension.

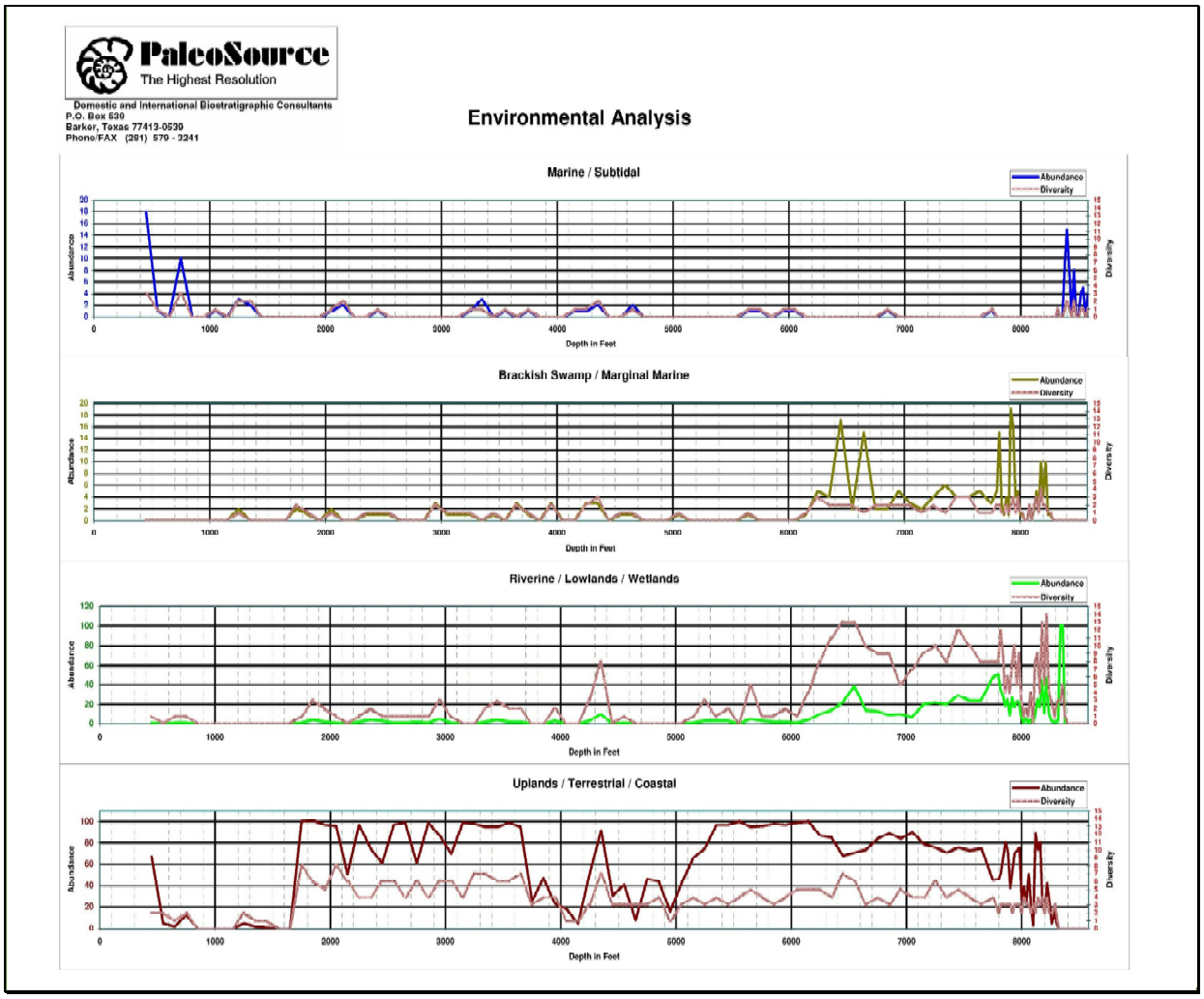
Some updip floral components (lowland origins) have broad distribution and very low dominance over the highstand shelf. Transitional environment foraminifera are narrowly distributed and may be used to identify collapse sediments.

Slide 20



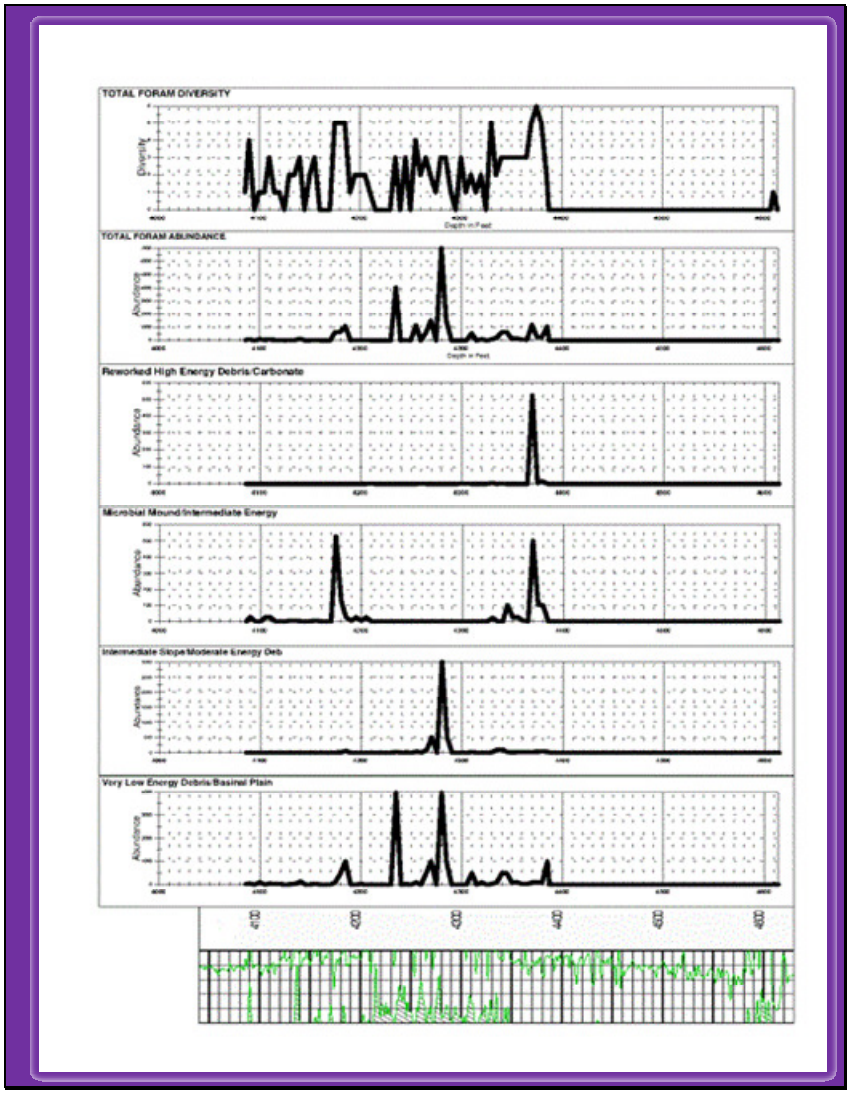
This example, taken from data on the Cline Fm, shows the environmental distribution of organisms by environmental source (see slide 21).

Slide 21



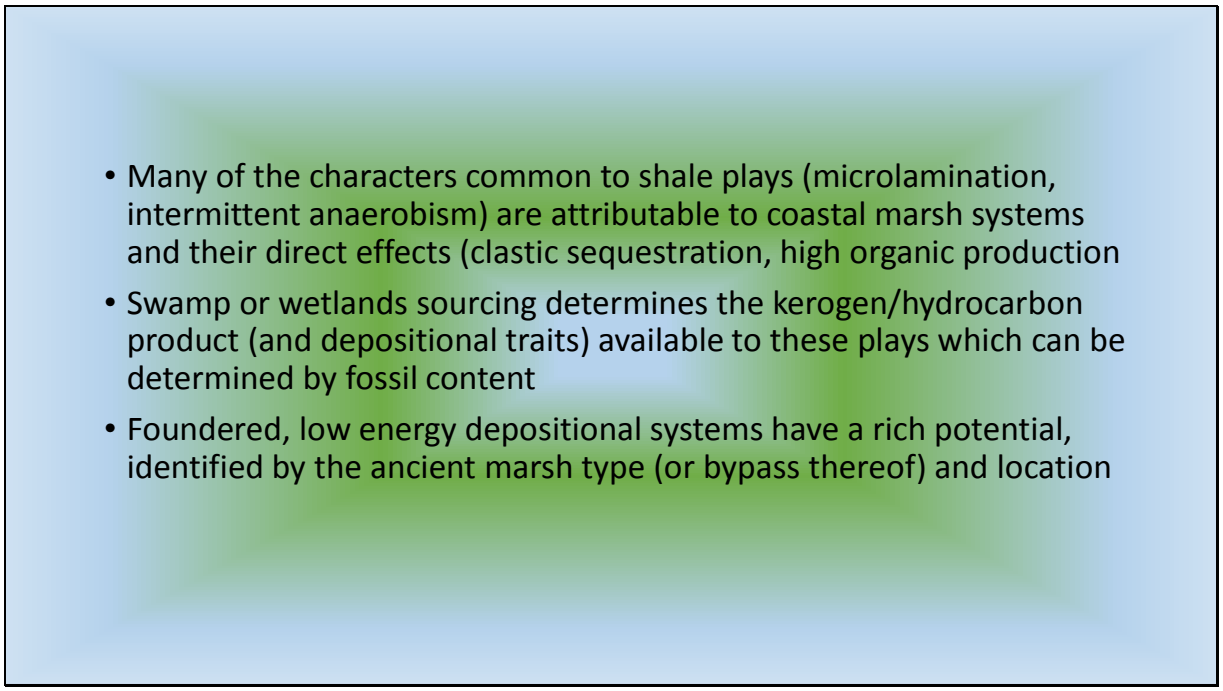
The same composite data above displayed as normalized relative abundance. The lower curve is the abundance of those organisms associated with the dominance of humic (type three) kerogen. The large waves of abundance are typical of lowstand, outbuilding sediment sequences and gas proneness, which was the case here. The second curve from the bottom is abundance of organisms transitional from type 3 to 2 kerogen and the third curve from the bottom is abundance of organisms typically associated with type 2 kerogen environments. The uppermost curve is the relative abundance of type one kerogen environments. The tight, frequent spiking of the curves toward the right of the curves indicates microlamination and high gamma ray values. Oil potential is accurately predicted by the curves above as well as indicating its coastal source.

Slide 22



The curves above indicate (from the top) foraminiferal data for 1) abundance, 2) diversity and 3,4,5) varied shelf marine trophic affinities and (lowermost curve) 6) humic trophic affinities. Note the gamma ray value curve at the bottom. The gamma ray anomaly starting two spaces from the left is characterized as a relative lowstand shale dominated by a sequence of rapidly deposited channel debris. Foraminifera species are of distributed by the sources of food they prefer (trophic affinities). When present in large numbers, you can determine what carbon source “brings them to the table”. In this set of curves, the lowermost curve suggests the dominance of humic kerogen source or gas proneness, which was the case. The dominance of humic sources only excluded the chance of significant liquid petroleum concentrations within the gamma ray zone.

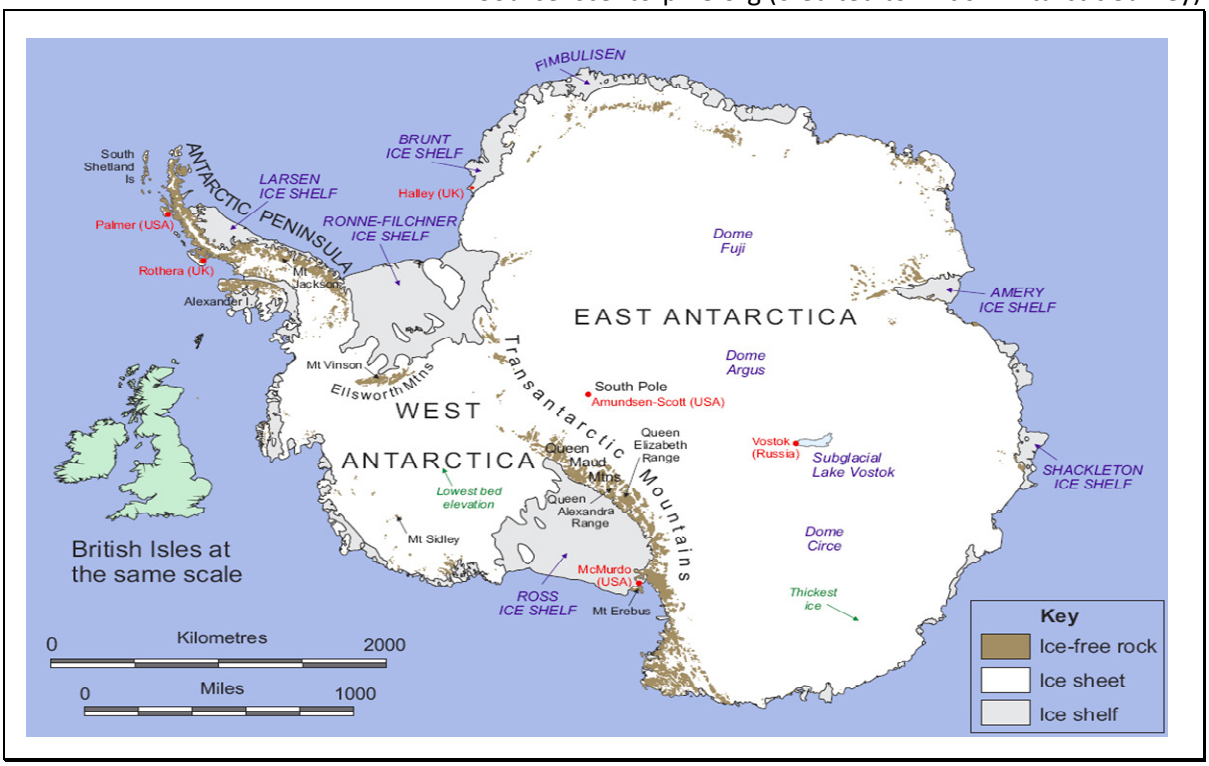
Slide 23



Along with the summary above, remember the key is rainfall or the hydrologic cycle and lots of it. One of the most prolific periods of Earth was the Carboniferous. The Carboniferous was characterized by heavy rain fall, high atmospheric partial pressures (percentages) of carbon dioxide and oxygen; very warm and wet. So… (next slide)

Slide 24

Source: scentofpine.org (credited to British Antarctic Survey)



This final component of my talk has created the most controversy. On Randy Bissell's encouragement and near insistence, I end my talk with a comment about circumstances around the Jackson Shale Fm or the "Fail Shale". In the Late Eocene or Priabonian Stage Antarctica assumed its current position at the South Pole. This did several things, like forming new, deep cold water currents, but mostly it formed new continental glaciers. This glaciation formed a worldwide unconformity, known in the Gulf of Mexico as the Glide Plane which uses the unconformity as a decollement surface. The reason for the unconformity was that atmospheric water deposited upon Antarctica was simply taken out of play globally, yielding a severe lowstand. Once captured as Antarctic ice, the water could not return as rain. Remember: no rain or significantly less rain, no extensive swamp system to charge shale plays. Thus, the Jackson Shale has no associated swamp/wetlands system, has no high TOC of coastal origin, has no microlaminated bedding and none of the things that go with it. Welcome to the Neogene Ice Age!

Corpus Christi Geological Society Papers available for purchase at the Texas Bureau of Economic Geology

Note: Publication codes are hyperlinked to their online listing in The Bureau Store (http://begstore.beg.utexas.edu/store/).

Cretaceous-Wilcox-Frio Symposia, D. B. Clutterbuck, Editor, 41 p., 1962.
CCGS 002S $15.00

Type Logs of South Texas Fields, Vol. I, Frio Trend. Compiled by Don Kling. Includes 134 fields. 158 p., 1972. Ring binder.
CCGS 015TL $25.00

Type Logs of South Texas Fields, Vol. II, Wilcox (Eocene) Trend. Compiled by M. A. Wolbrink. 98 p., 1979. Ring binder.
CCGS 016TL $25.00

Field Trip Guidebooks

South Texas Uranium. J. L. Cowdrey, Editor. 62 p., 1968.
CCGS 102G $12.00

Hidalgo Canyon and La Popa Valley, Nuevo Leon, Mexico. CCGS 1970 Spring Field Conference. 78 p., 1970.
CCGS 103G $8.00

Padre Island National Seashore Field Guide. R. N. Tench and W. D. Hodgson, Editors. 61 p., 1972.
CCGS 104G $5.00

Triple Energy Field Trip, Uranium, Coal, Gas—Duval, Webb & Zapata Counties, Texas. George Faga, Editor. 24 p., 1975.
CCGS 105G $10.00

Minas de Golondrinas and Minas Rancherias, Mexico. Robert Manson and Barbara Beynon, Editors. 48 p. plus illus., 1978.
CCGS 106G $15.00

Portrero Garcia and Huasteca Canyon, Northeastern Mexico. Barbara Beynon and J. L. Russell, Editors. 46 p., 1979.
CCGS 107G $15.00

Modern Depositional Environments of Sands in South Texas. C. E. Stelting and J. L. Russell, Editors. 64 p., 1981.
CCGS 108G $15.00

Geology of Peregrina & Novillo Canyons, Ciudad Victoria, Mexico, J. L. Russell, Ed., 23 p. plus geologic map and cross section, 1981.
CCGS 109G $10.00

Geology of the Llano Uplift, Central Texas, and Geological Features in the Uvalde Area. Corpus Christi Geological Society Annual Spring Field Conference, May 7-9, 1982. Variously paginated. 115 p., 53 p.
CCGS 110G $15.00

Structure and Mesozoic Stratigraphy of Northeast Mexico, prepared by numerous authors, variously paginated. 76 p., 38 p., 1984.
CCGS 111G $15.00

Geology of the Big Bend National Park, Texas, by C. A. Berkebile. 26 p., 1984.
CCGS 112G $12.00

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 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 Don't forget we have our own we page.

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

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
Strauch_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
Warmsley
Yorktown, South

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

GOLIAD COUNTY
Berclair
North Blanconia
Bombs
Boyce
Cabeza Creek, South
Goliad, West

St Armo
Terrell Point

HIDALGO COUNTY
Alamo/Donna
Donna
Edinburg, West
Flores-Jeffress
Foy
Hidalgo
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
StewartSwan Lake
Swan Lake, East
Texana, North
West Ranch

JIM HOGG COUNTY
Chaparosa
Thompsonville,N.E.

JIM WELLS COUNTY
Freebom
Hoelsher
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
Halletsville
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
McCampbell 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

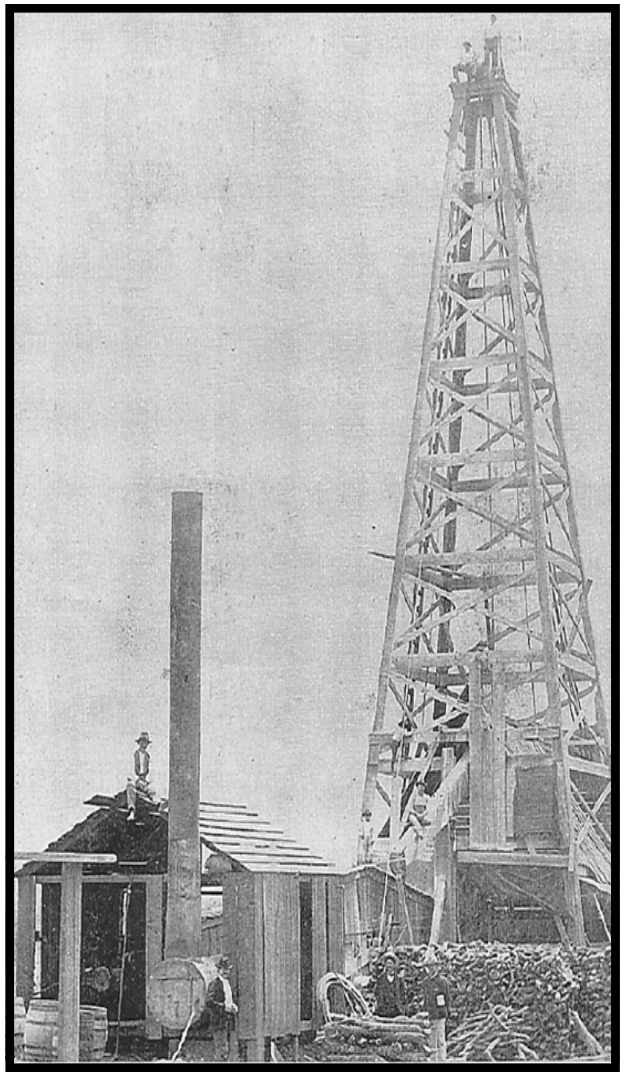
WHARTON COUNTY
Black Owl

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
I log -- $10 each, 5-10 logs $9 each and 10 + logs $8.00 each – plus postage



Wooden Rigs—Iron Men

The Story of Oil & Gas in South Texas

By Bill & Marjorie K. Walraven

Published by the

Corpus Christi Geological Society

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_____

OIL MEN

TALES FROM THE SOUTH TEXAS OIL PATCH

DVD

MEMBER PRICE $25

NON-MEMBER $30

To Order DVD

Sebastian Wiedmann

swiedmann.geo@gmail.com

If mailed add $5.00

Geotech
Logging Services, LLC

Kyle Barker
Geologist / Geosteering Manager
812.756.2216
kbarker@geotechloggingservices.com

P.O. Box 305
Red Rock, TX 78662
Office:512.308.8200
Fax:830.839.4832
www.geotechloggingservices.com

---

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

David Becker
exploration
geologist

600 leopard st. ste 706
corpus christi, tx 78473

dkbecker1137@sbcglobal.net

Bier 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

INTEGRITY
SEISMIC SERVICES

James Bloomquist
Business Development Manager
jbloomquist@integrityseismic.com

Office 713-357-4706 ext7008
Cell 281-660-9695
Fax 713-357-4709

16420 Park Ten Place
Suite 240
Houston, TX 77084

---

flamingo
SEISMIC SOLUTIONS

Elizabeth Chapman
Business development/marketing

11777 Katy Freeway, Ste 570 | Houston, TX 77079
office: 281.977.7432 ext 109 | fax: 281.829.1788
cell: 713.817.4232 email: elizabeth@flamingoseismic.com
www.flamingoseismic.com

Travis Clark
Geologist

Dynamic Production, Inc.

5070 Mark IV Parkway
Fort Worth, Texas 76106
Phone 817.838.1810
Fax 817.838.1824
Email travis.clark@dynprod.net

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

OIL Exploration & GAS Production

JEFF COBBS
President - Geologist

615 Leopard St., Suite 336
Corpus Christi, Texas 78401-0610
jc@tlspc.com

Office(361) 883-2911
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

SEIMAX
TECHNOLOGIES

Sara Davis
Director of Marketing & Business Development

4805 Westway Park Blvd., Houston, TX 77041
p: 832.554.4301 d: 832.554.4314 c: 713.256.8737
sdavis@seimaxtech.com

LEIGHTON L. DEVINE
EXPLORATION GEOLOGIST

SUEMAUR EXPLORATION & PRODUCTION, LLC

FROST BANK PLAZA
802 N. CARANCAHUA, SUITE 1000
CORPUS CHRISTI, TEXAS 78470

OFFICE: (361) 884-8824
FAX: (361) 884-9623
MOBILE: (361) 510-8872
ldevine@suemaur.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*

MATTHEW FRANEY
Geologist

VENTEX
Oil & Gas, Inc.

600 Leopard
Suite 904
Corpus Christi, TX 78401

Email: mfraney57@att.net
Phone (361) 888-6327

Enrique (Rick) Garza
Operation Supervisor
US Land

Global Geoscience Solutions

Rick.Garza@GlobalGeophysical.com
DIRECT +1 713-808-7428
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

RAY GOVETT, Ph. D.
CONSULTING GEOLOGIST
361-855-0134

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

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

James R. Jones
Geologist

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

---

eog resources

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

LMP

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@cresc.net

---

YOUR CARD COULD BE HERE!!!
$30 FOR 10 ISSUES
AD PRICES PRO-RATED
EMAIL ROBBY AT
ROBERT.STERETT@GMAIL.COM

VALOR EXPLORATION, LLC

Armando Medina
Owner / Geologist

8610 N. New Braunfels #703 • San Antonio, TX 78217
(210) 538-2170 • amedina@valorexploration.com

---

miller & smith
GAS MARKETING, INC.

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

Dennis Moore
Formation Evaluation
Wireline - Southern GeoMarket

BAKER HUGHES

9333 HWY 44
Corpus Christi, TX 78406
Direct: 361-692-3640
Fax: 361-692-3553
Mobile: 361-816-5144
Email: dennis.moore@bakerhughes.com

www.bakerhughes.com

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

MEI
MUELLER EXPLORATION, INC.

J. Paul Mueller, Jr.
President

NEU OIL & GAS, L.L.C.

Daniel J. Neuberger
Geologist and President

Austin Office:
712 Windsong Trail
West Lake Hills, Texas 78746

Office (361) 548-7723
Home (512) 306-1223
dan@neuoilandgas.com

Patrick Nye
President
patrick@nyexp.us

Office: (361) 452-1435
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

SAXET
PETROLEUM INC.

BRIAN E. O'BRIEN

510 Bering Drive
Suite 600
Houston, Texas 77057

Main: 713-783-4883
Fax: 713-783-3039
Res: 713-784-7911
Cell: 713-899-5164
E-mail: bobrien@saxetpetroleum.com

Geotrace

Ken Orlaska
Account Manager

281-497-8440
Direct: 281-249-5051
Fax: 281-558-8096
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

Richard M. Parker
Consulting Geologist

Registered State of Texas Board of Professional Geoscientists
License # 6056

12802 Max Rd.
Brookside Village, Texas 77581
Email: rparkstar@sbcglobal.net

713-724-4380 Cell 1
713-206-3158 Cell 2
281-412-0745 Home

Lee Prejean
Business Development Manager

800.256.1147
225.247.9038
www.stratagraph.com
lprejean@stratagraph.com

Accurate Data, Reliable Solutions

P.O. Box 53848
Lafayette, LA 70505

STRATAGRAPH
Accurate Data, Reliable Solutions

VirTex Operating Co., Inc.

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

ICARUS OIL AND GAS, INC.

Barry J. Rava
President

Mobile: 281-235-7507
Office: 713- 621-7282

barry@icarusog.com
www.icarusog.com

P.O. Box 820253
Houston, TX 77282-0253

Deliveries
1710 S. Dairy Ashford Rd., Ste. 202
Houston, TX 77077

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

San Antonio:
7979 Broadway, Ste 207
San Antonio, TX 78209
210-822-2551

361-884-0863 Facsimile
361-993-6357 Home
361-215-5559 Cell
210-260-0300 Mobile

firstrockinc@msn.com

---

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

P.O. Box 863323
Plano, Texas 75086

713.560.9733
jsmith@petrophysics.com
www.petrophysics.com

Crossroads Exploration

Gloria D. Sprague
Geologist

Timpson Building
189 N. First Street, Suite 111
Timpson, Texas 75975

Office: (936) 254-3600
Fax: (936) 254-3602
Mobile: (936) 488-9428
E-Mail: gsprague@usawide.net

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 512-876-9565

YOUR CARD COULD BE HERE!!!
$30 FOR 10 ISSUES
AD PRICES PRO-RATED
EMAIL ROBBY AT
ROBERT.STERETT@GMAIL.COM

Dennis A. Taylor
President and Chief Geologist
dennis@amshore.com

Off: (361) 888-4496
Fax: (361) 888-4588
Direct Line: (361) 844-6728
Cell: (972) 672-9916

AMERICAN SHORELINE, INC.
AMSHORE US 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

WesternGeco

10001 Richmond Avenue
Houston, TX 77042-4299
P.O. Box 2469 (77252-2469)
Tel: 713-689-6552
Fax: 713-689-1089
Mobile: 281-615-6827
CTutt@slb.com

Chris O. Tutt
Sales Representative
NAM Sales

STALKER ENERGY, L.P.

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

1717 West 6th 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

SEBASTIAN P. WIEDMANN
GEOSCIENTIST

WILSON PLAZA WEST
606 N. CARANCAHUA, SUITE 500
CORPUS CHRISTI, TEXAS 78401

MOBILE (361) 946-4430
swiedmann.geo@gmail.com

---

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

WesternGeco

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