

CURRICULUM VITAE

JEFFREY J. DRAVIS

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Carbonate Sedimentologist, Petroleum Geologist, Marine Geologist, Petrographer, and Instructor in Carbonate Geology.

PLACE OF BIRTH

Sacramento, California

EDUCATION

Rice University, Houston, Texas	Ph D	Geology	1980
University of Miami, Miami, Florida	M.S.	Marine Geology	1977
St. Mary's University, San Antonio, Texas	B.S.	Geology	1971

EMPLOYMENT

Geological Consultant, Houston, Texas (Dravis Geological Services):

Technical consulting in applied carbonate geology, 2000-present

Geological Consultant, Houston, Texas (Dravis Interests, Inc.):

Technical Instructor in Applied Carbonate Sedimentology, 1986-present

(Technical consulting in applied carbonate geology: 1986-2000)

Exxon Production Research Company, Houston, Texas:

Research Specialist, Reservoir and Facies Division, 1983-1986

Project Leader, 1983-1984

Research Planning Committee, June-September 1983

Senior Research Geologist, 1980-1983

Research Geologist, 1979-1980

Geologist, Summer, 1978

Rice University, Houston, Texas:

Graduate Fellow, Department of Geology, 1976-1979

University of Miami, Rosenstiel School of Marine and Atmospheric Sciences, Miami Florida: Research Assistant, 1973-1976; Graduate Fellow, 1972-1973

PROFESSIONAL SOCIETIES

American Association of Petroleum Geologists (AAPG)
Houston Geological Society (HGS)

ADJUNCT PROFESSORSHIPS

Adjunct Professor of Geology and Geophysics, Rice University, Houston, Texas (1987-current).

University of Houston's Professional Masters Program in Petroleum Geology (2016-current: teach the Carbonate Geology Segment).

AWARDS

- 1998-2003** Associate Editor, Bulletin of American Association of Petroleum Geologists
- 1999** AAPG Citation of Excellence for review of manuscript submitted to AAPG Bulletin.
Session Chairman for American Association of Petroleum Geologists, Annual Meeting, San Antonio, Texas.
- 1998** Re-elected to House of Delegates, American Association of Petroleum Geologists.
- 1996** Best Technical Paper Award, Bulletin, Houston Geological Society.
- 1995** Keynote Speaker, Paleokarst Research Conference, San Salvador, Bahamas.
Elected to House of Delegates, American Association of Petroleum Geologists.
- 1994** Associate Editor, Bulletin of American Association of Petroleum Geologists (3 years).
- 1993** Honorable Mention for Excellence of Oral Presentation for "Origin of Zebra Dolomites and Associated Secondary Porosity in Devonian Sequences of Western Canada, SEPM/AAPG Annual Meeting, Calgary, Canada.
- 1992** Co-Convener of Society of Economic Paleontologists and Mineralogists Symposium "Carbonate Platform Development, Facies and Cyclicity," American Association of Petroleum Geologists, 66th Annual Meeting, Calgary, Alberta, Canada.
- 1990** Elected to House of Delegates, American Association of Petroleum Geologists.
- 1989** Appointed to Publications Committee, Society of Economic Paleontologists and Mineralogists
- 1988** Session Chairman for American Association of Petroleum Geologists, 62nd Annual Meeting, Houston, Texas.
- 1987** Associate Editor, Journal of Sedimentary Petrology (until 1991).
Adjunct Associate Professor of Geology and Geophysics, Rice University, Houston, Texas. (Appointment still current).
Adjunct Associate Professor of Marine Geology and Geophysics, University of Miami, Rosenstiel School of Marine and Atmospheric Science, Miami, Florida.
- 1986** Co-Convener of Society of Economic Paleontologists and Mineralogists Symposium "Controls on Composition and Form of Columnar Stromatolites," Mid-year Meeting, Raleigh, North Carolina, September 1986.
- 1985** Society of Economic Paleontologists and Mineralogists, Excellence of Poster Presentation for best poster (on Fluorescence Microscopy) at 1984 annual meeting in San Antonio, Texas.
Session Chairman for Society of Economic Paleontologists and Mineralogists Mid-year Meeting, Golden, Colorado, August, 1985.
- 1984** Elected to House of Delegates, American Association of Petroleum Geologists.
Session Chairman for AAPG 58th Annual Meeting, San Antonio, Texas (May 1984).

- 1976** Rice University Graduate Fellowship, Department of Geology.
1972 Texaco Fellowship, University of Miami, Rosenstiel School of Marine and Atmospheric Sciences.

COMMITTEES

Membership, American Association of Petroleum Geologists, 1983-1986; 1990-1993; 1995-1998; 1998-2000.

Publications Committee, Society of Economic Paleontologists and Mineralogists, 1989-1992.

FIELDS OF SPECIALIZATION

Carbonate Sedimentology:

- o Modern carbonate depositional systems and models
- o Ancient carbonate depositional systems and models
- o Facies reconstruction from outcrops, cores and cuttings
- o Stratigraphic sequences and regional correlation
- o Deep-water carbonates, including chalks
- o Petroleum carbonate play relationships
- o Petroleum reservoir description and zonation

Carbonate Petrology:

- o Standard thin section and SEM analyses
- o Diagenetic processes and products
- o Diagenetic environments
- o Porosity evolution and implications for petroleum reservoir development
- o Applications of carbonate geochemistry
- o Fluorescence microscopy/diffused plane-polarized light techniques

Regional Integrated Studies and Basin Analysis

Marine Geology

Teaching Basic and Advanced Seminars on Carbonate Geology

Expert Witness in Oil and Gas Litigation

SUGGESTED REFERENCES FOR DR. JEFF DRAVIS

Dr. Harold R. Wanless

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College of Arts and Sciences
University of Miami
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Rose and Associates
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Mr. Elliott Barrett

Geological Consultant
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Houston, Texas 77079-3204
(281) 414-9070 (Cell)
E-Mail: ebarx@outlook.com

TECHNICAL CONSULTING (197 Projects to Date)

- Geological evaluation of Smackover core from the Ventex Operating Co. McGowan 36-9 #1 well, Conecuh County, Alabama (2022-2023; Thunder Exploration, Houston, Texas).
- Geological evaluation of the Cretaceous Edwards Raven Forest Deep Gas Prospect, Montgomery County, Texas, (2021-2022; Raven Forest Operating Co., Tampa, Florida).
- Detailed description of the Magnolia Oil & Gas Affirmed 1H pilot core (Austin Chalk and Eagle Ford Formations) from Fayette County, South Texas (2021; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Detailed description of the UPRC Dietz-Dietz core (Austin Chalk and Eagle Ford Formations) from Fayette County, South Texas (2021; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Core review of Austin Chalk from the Giddings Field: Frank Rauch Unit 4H and Blue Paddle 1H Pilot wells (2021; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Review (online) of Austin Chalk core and thin section studies from Karnes Trough and Giddings Field from 2016-2020 (2021; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Petrographic evaluation of thin sections from the Magnolia Oil & Gas Blue Paddle 1H pilot well core (Austin Chalk and Eagle Ford Formations), Fayette County, South Texas (2020; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Detailed description of the Magnolia Oil & Gas Blue Paddle 1H pilot well core (Austin Chalk and Eagle Ford Formations) from Fayette County, South Texas (2020; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Evaluation of Upper Cretaceous depositional facies and reservoir quality from core and cuttings samples, Gran Tierra Vonu-1 and Costayaco-30 Wells, Columbia (2019; Gran Tierra Energy, Calgary, Canada).
- Petrographic evaluation of 108 thin sections from the Magnolia Oil & Gas Frank Rauch 4H pilot well core (Austin Chalk Formation) from Fayette County, South Texas (2019; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Detailed description of the 273-foot Magnolia Oil & Gas Frank Rauch 4H pilot well core (Austin Chalk Formation) from Fayette County, South Texas (2019; Magnolia Oil & Gas Co. and EnerVest Operating Co; Houston).
- Evaluation of Austin Chalk/Upper Eagleford Depositional Facies and Reservoir Quality, Noble Energy Gates Well, South Texas (2019; Noble Energy; Houston).
- Petrographic evaluation of 121 thin sections from the EnerVest Soundgarden 1H Pilot core, Karnes Trough, Karnes County, Texas (2018-2019; EnerVest Operating Co; Houston).
- Detailed description of the 800-foot EnerVest Soundgarden 1H Pilot core (Buda; Eagle Ford; Austin Chalk; Anacacho Formations) from Karnes Trough, Karnes County, South Texas (2018; EnerVest Operating Co; Houston).
- Petrographic evaluation of Austin Chalk thin sections from the Giddings Field, East Texas (2018; EnerVest Operating Co; Houston).
- Austin Chalk core from the UPRC Lacour 42-1 well, Pointe Coupee Parish, Louisiana: depositional facies, diagenesis and porosity evolution (2018; Anadarko Petroleum; Houston).
- Documentation of depositional facies, diagenesis and reservoir quality of Miocene thin sections of sidewall cores, SE Asia (2018; Intertek, Jakarta).

- Depositional facies and reservoir quality of Paleogene Lower Magallenas thin section samples, Argentina (2017-2018; InGrain, Houston)
- Evaluation of depositional facies and reservoir quality of sidewall cores from the White Hat Ranch 3803ML well, Ordovician Ellenberger and Pennsylvanian sequences, Nolan County, Texas (2017; Winchester Energy, Houston).
- Evaluation of the Austin Chalk in South Texas and southern Louisiana: regional setting, depositional facies, diagenesis and porosity evolution, and play relationships (2017; Cavalier Energy, Calgary).
- Documentation of depositional facies, diagenesis and reservoir quality of Miocene thin sections of cuttings from the BTE #1 well, West Java Sea (SE Asia) (2017; Intertek, Jakarta).
- Integration of core and thin section data from the Brown Dense Member of the Smackover Formation, northern Louisiana, and its structural and seismic implications (2017; Southwestern Energy, Spring).
- Evaluation of Cretaceous James Lime Well Cuttings DOC Hightower #1 Well, Henderson County, Texas (2016; Doughtie Exploration, Sugarland).
- Evaluation of Cretaceous Pettet Well Cuttings DOC Hightower #1 Well, Henderson County, Texas (2016; Doughtie Exploration, Sugarland).
- Evaluation of Cretaceous Travis Peak Well Cuttings DOC Hightower #1 Well, Henderson County, Texas (2016; Doughtie Exploration, Sugarland).
- Evaluation of Cretaceous Kiamichi-Goodland Lime Well Cuttings: DOC Hightower #1 Well, Henderson County, Texas; DOC Norwood #1 Well, Henderson County, Texas; and DOC Wisdom #1 Well, Van Zandt County, Texas (2016; Doughtie Exploration, Sugarland).
- Description of Select Austin Chalk/Eagleford cores, and presentation of a two-day Core Workshop for Geoscientists and Reservoir Engineers, November 16-18 (2016; EnerVest, Houston).
- Evaluation of geological and seismic data from the Upper Devonian Joffre D-3 (Leduc) “B” oil pool, Alberta, Canada, (2016; Tanager Energy, Houston).
- Evaluation of a lower Smackover microbial reef prospect, southern Arkansas (2016; Lunker Exploration, Dallas).
- Evaluation of Jurassic samples from the Golston-Holmes 21-13 No. 1 wildcat well, Alabama (2016; Thunder Exploration, Houston).
- Thin section documentation of facies and reservoir quality from thin sections of rotary cores, Wisdom #1 Well, Jurassic Smackover Formation, van Zandt County, Texas (2015; Doughtie Exploration, Sugarland).
- Documentation of depositional facies, diagenesis and reservoir quality of Miocene thin sections from the Jenggolo #2 well, Southeast Asia (2015; Intertek, Jakarta).
- Evaluation of depositional facies, diagenesis and reservoir quality of Devonian Grosmont Formation dolostones from several wells, Alberta, Canada (2012-2015; Husky Energy, Calgary).
- Documentation of depositional facies, diagenesis and reservoir quality of Mississippian Pekisko Formation dolostones from several wells, Alberta, Canada (2015; Husky Energy, Calgary).
- Descriptions of the Lightning Oil Cutlass West 1-A and Cutlass East A-1 cored wells, and petrographic evaluation of depositional facies, diagenesis and reservoir quality of selected thin sections from the Cretaceous Edwards Formation, south Texas (2015; Thunder Exploration, Houston).
- Petrography of selected Keg River dolostone samples from the Suncor 100/11-27-92-8W4 and 100/9 27-92-8W4 wells, Alberta, Canada (2015; Suncor Energy, Calgary).
- Description and petrographic evaluation of depositional facies, diagenesis and reservoir quality, Pennsylvanian core from the Lyles DHI State #7001 well, west Texas (2015; Trek Oil & Gas, Houston).
- Evaluation of depositional facies, diagenesis and reservoir quality of selected Mississippian (Chester) core samples, Oklahoma (2014-2015; Sandridge Energy, Oklahoma City).

- Evaluation of depositional facies, diagenesis and reservoir quality of Devonian Grosmont Formation dolostones, Alberta, Canada (2012-2014; Husky Energy, Calgary).
- Evaluation of depositional facies, diagenesis and reservoir quality of lower Jurassic Smackover Formation (“Brown Dense”) cored sequences, Arkansas and Louisiana (2013-2014; Southwestern Energy, Houston).
- Petrographic Evaluation of well cuttings from the Ellenberger Group, west Texas (2014; Winchester Energy, Houston).
- Evaluation of depositional facies, diagenesis and reservoir quality of Mississippian Debolt Formation dolostones, Alberta, Canada (2014; Husky Energy, Calgary).
- Evaluation of depositional facies, diagenesis and reservoir quality of Cretaceous Buda and Eagle Ford limestones, southwest Texas (2014; LP Operating, Boerne, Texas).
- Evaluation of depositional facies, diagenesis and reservoir quality of Mississippian Pekisko Formation dolostones, Alberta, Canada (2014; Husky Energy, Calgary).
- Regional Evaluation of Jurassic and Cretaceous rock data in South Florida (2014; Kerogen Exploration, Houston).
- Re-Evaluation of the Jurassic Bryans Mills and Eustace Smackover Fields, East Texas (2014; Doughtie Exploration, Sugarland).
- Evaluation of the facies, diagenesis and reservoir quality in core samples from the Pennsylvanian Caddo Formation, Young and Throckmorton Counties, Texas (2014; Nadel and Gussman, Shreveport).
- Evaluation of the facies, diagenesis and reservoir quality expressed in Rodessa (Cretaceous) percussion cores, Cass County, Texas (2014; Machin and Associates, Longview, and Tyler Oil and Gas, Tyler).
- Petrography of selected Keg River dolostone samples from the Suncor 100/5-24-91-6W4 and AA/11 29-84-8W4 wells, Alberta, Canada (2014; Suncor Energy, Calgary).
- Documentation of facies: Justiss Oil Labokay M23 #1 (2013; Justiss Oil; Jena, Louisiana).
- Petrographic evaluation and environmental setting of the Canol Shale, Northwest Territories, Canada (2013; Husky Energy, Calgary).
- Evaluation of depositional facies, diagenesis and reservoir quality of the lower Cretaceous Sunniland Formation in the DAH Collier Hogan 20 – 3 Pilot Core (2013; Plains Resources, Houston).
- Evaluation of depositional facies, diagenesis and reservoir quality of core from the Pennsylvanian Caddo Formation, Knox County, Texas (2013; JLA Resources, Tyler).
- Evaluation of depositional facies, diagenesis and reservoir quality of core from the Sligo (Pettet) Formation, Continental A-1 Royall well, Anderson County, Texas (2013-; SM Energy, Tulsa).
- Evaluation of the Cretaceous Ixtal and Yaxche Fields, southern Mexico, (2012; Baker Hughes Mexico, Paraiso and Villahermosa, Mexico).
- Evaluation of depositional facies, diagenesis and reservoir quality in conventional core from the Shell Piloncillo Deep E 1V well, Piloncillo Field, Webb County, Texas (2012; Shell, Houston).
- Evaluation of the Independence Sligo/James prospect, Washington County, Texas (2012; Kriti Exploration; Houston).
- Documentation of facies and reservoir quality: Justiss Oil Zap Minerals et al., no 1 core and A.J Hodges Industries no. 1 core (2012; Justiss Oil; Jena, Louisiana).
- Documentation of facies and porosity in cores from the Buda and Austin Chalk Formations, and their relationship to volcanic activity in south Texas (2011; Chesapeake Energy, Oklahoma City).
- Evaluation of depositional facies, diagenesis and reservoir quality of Devonian Grosmont Formation dolostones, Alberta, Canada (2009-2011; Suncor Energy, Calgary).
- Evaluation of the facies, diagenesis and reservoir quality of Mississippian carbonates and cherts, northern Midland Basin, Texas (2011; Marshfield Oil & Gas, Houston).

- Thin section petrography of selected Devonian Keg River samples from the Firebag area, Alberta (2011; Suncor Energy, Calgary).
- Evaluation of the reservoir quality of core chips from Permian carbonates in the TEW-E well, Thailand (2011; TATEX Thailand).
- Description of core and thin section petrography from the Wabash N1-5 Well, Silurian/Devonian Nevins Field, Illinois Basin, Edgar County, Illinois (2010-2011; Voyager Midstream, Houston).
- Description of core and thin section petrography from the Wabash E2-2 Well, Silurian/Devonian Elbridge Field, Illinois Basin, Edgar County, Illinois (2010-2011; Voyager Midstream, Houston).
- Core description and evaluation of reservoir quality of the Pearsall Formation in the Pena Creek well from Dimmit County, Texas (2010-11; Chesapeake Energy, Oklahoma City).
- Evaluation of reservoir quality of the Buda Formation in the Traylor North well Texas (2011; Chesapeake Energy, Oklahoma City).
- Diagenesis and porosity evolution of Devonian Swan Hills Formation samples from Deer Mountain Field, Alberta (2010-2011; Arcan Resources, Calgary).
- Evaluation of core and thin sections from the Amoco Morris B-1 well, Mississippian of west Texas (2010; Marshfield Oil & Gas, Houston).
- Evaluation of the Cretaceous Sunniland oil trend in South Florida (2010; Lake Ronel Oil Company, Tyler).
- Petrographic evaluation of facies, diagenesis and reservoir quality, Devonian Jean Marie Formation, British Columbia (2010; Husky Energy, Calgary).
- Documentation of facies and reservoir quality in core from the Los Cuatros Field, Maverick Basin, Texas (2010; Chesapeake Energy, Oklahoma City).
- Depositional facies and reservoir quality of Edwards carbonates recovered in the G.E. Light #1 well, Dimmit County, Texas (2009-2010; Thunder Exploration, Houston).
- Evaluation of facies and reservoir quality of the Silurian/Devonian Nevins and Elbridge Fields in the Illinois Basin, Edgar County, Illinois (2009-2010; Voyager Midstream, Houston).
- Petrographic evaluation/documentation of Knox dolostone cores, Kentucky (2009-2010; ConocoPhillips, Inc., Houston).
- Discussion of strategies for developing Cretaceous Pettet production in southeast Texas (2009; Cabot Oil & Gas; Houston).
- Feedback on Permian Yeso Reservoir Development (2009; Concho Resources Midland).
- Petrographic determination of depositional facies, diagenesis and reservoir quality of the Eagle Ford Formation in south Texas (2009; ConocoPhillips, Inc., Houston).
- Permian carbonate play potential in Poland and Germany (2009; Aspect Energy, Denver).
- Evaluation of Trenton limestones from the Sierra Resources Watts #1 well, Decatur, Indiana (2009; Sierra Resources and Chesapeake Energy, Houston).
- Petrographic Evaluation of Permian Wolfcampian carbonate turbidite samples, west Texas (2008-2009; Chesapeake Energy, Oklahoma City).
- Evaluation of the diagenesis and porosity evolution of Mississippian Banff samples, Twinning Field, Western Canada (2008-2009; EOG Resources, Calgary).
- Summary of Devonian Jean Marie facies, diagenesis and porosity evolution (2008; Encana, Calgary).
- Evaluation of a Permian Khuff carbonate prospect, offshore Qatar (2008; Hess Corp., Houston).
- Petrographic evaluation/documentation of thin section data from the Permian Khuff Formation, Qatar (2005-2008; ConocoPhillips, Inc., Houston).
- Facies and reservoir quality of core samples from the Marchant 2-16 well, Alabama (2008; Chesapeake Energy, Charleston W.V.).
- Petrographic analyses of wells cuttings from two Austin Chalk wells, Polk County, Texas (2008; Meridian Resources, Houston).

- Petrographic evaluation/documentation of Knox dolostones, Kentucky (2008; ConocoPhillips, Inc., Houston).
- Evaluation/documentation of core and thin section data from the Cretaceous Edwards Group, south Texas (2008; Aspect Energy, Inc., Denver).
- Review of Permian Wolfcampian carbonate turbidite prospects in west Texas (2008; Chesapeake Energy, Oklahoma City).
- Evaluation of the diagenesis and porosity evolution of Mississippian samples, western Canada (2008; Suncor Energy, Calgary).
- Evaluation of the diagenesis and porosity evolution of Mississippian Banff samples, western Canada (2008; EOG Resources, Calgary).
- Evaluation of facies and porosity evolution from a Permian lower Clearfork core, west Texas (2008; Trek Oil and Gas, Houston).
- Documentation of the petrography of Cretaceous James Limestone thin sections from Louisiana (2008; Milagro Exploration, Houston).
- Thin section petrography of deep Pennsylvanian Strawn Samples from New Mexico (2007-2008; EOG Resources, Midland).
- Review of Bakken Dolostone play, Williston Basin (2007; EOG Resources, Denver).
- Petrographic evaluation of upper Paleozoic samples, Kingfisher County, Oklahoma (2007; Oklahoma Energy Acquisitions, LP, Houston).
- Diagenesis and porosity evolution of the Devonian Jean Marie Formation, western Canada (2007; Encana Corporation, Calgary).
- Review of Permian and Pennsylvanian carbonate and chert plays in west Texas 2007; (EOG Resources, Midland).
- Overview of Austin Chalk deposition and diagenesis and porosity evolution in south Texas (2007; Conoco Phillips Company, Houston).
- Evaluation of the play potential of samples from the Cretaceous Edwards Group, Karnes County, Texas (2007; Houston Energy, Houston).
- Evaluation of the play potential of the Mississippian and Devonian sequences of western Canada (2007; Suncor Energy, Calgary).
- (Evaluation of Cretaceous Edwards prospects in south Texas (2007; Houston Energy, Houston)
- Petrography of Jurassic samples from the Greystone Oxy 19-1 #1 well, Louisiana (2007; Greystone Oil and Gas, Houston).
- Evaluation of Carbonate Play Concepts in the Cretaceous Edwards Limestone, south Texas (2007; Broad Oak Energy, Dallas).
- Depositional Facies and Porosity Evolution of Ellenburger Dolostone Samples (2007; Cano Petroleum, Ft. Worth).
- Core and petrographic evaluation of Permian Wolfcampian, Clearfork and San Andres reservoirs, west Texas (2007; Trek Oil & Gas, Houston).
- Depositional Facies and Diagenetic History of the Permian Belloy Formation, western Canada (2007; Encana Corporation, Calgary).
- Evaluation of Jurassic Smackover samples, northern Louisiana (2006; Greystone Oil & Gas, Houston).
- Petrographic evaluation of Mississippian carbonates from the Banff Formation, Alberta (2006; Suncor Energy, Calgary, Alberta).
- Review of Paleocene carbonate play concepts, Sirte Basin, Libya (2006; Occidental Oil & Gas, Houston).
- Diagenesis and porosity evolution of Permian gas reservoirs and controls on paleotrap, Khorat Plateau, Thailand (2005-2006; APICO/NuCoastal, Denver, Colorado).

- Depositional and diagenetic controls on porosity evolution, Mississippian Debolt dolostones, NE British Columbia (2005; Devon Energy, Inc., Calgary).
- Depositional and diagenetic controls on porosity evolution, Devonian Slave Point Formation, NE British Columbia (2005; BG Canada Exploration and Development, Inc., Calgary).
- Evaluation of the hydrocarbon potential of Tertiary and Cretaceous sequences on Saba Bank, offshore Anguilla (2005; Anguilla Capital Corporation, Anguilla, Dutch West Indies).
- Evaluation of the depositional facies, diagenesis and porosity evolution of Pennsylvanian Marble Falls Formation carbonate sidewall cores from the Bend Arch area, Ft. Worth Basin, Stephens County, Texas (2005; McClymond Ltd, Breckenridge, Texas).
- Petrological evaluation of Cretaceous Georgetown Formation cuttings samples from Dimmit County, Texas (2005; ECL /Blue Star Operating Co., Dallas).
- Depositional facies, diagenesis, and controls on porosity evolution, Mississippian Elkton dolostones, western Canada (2005; Suncor Energy, Inc., Calgary).
- Evaluation of Tertiary reef prospects, offshore Nicaragua (2004; Energy Partners, Ltd, New Orleans).
- Potential oolitic sand plays on the Scotian Shelf - observations and analogues (2004; Encana Corporation, Calgary).
- Evaluation of surface encrusters on marine hardgrounds, and composition of sediment samples, offshore Morocco seamount (2004; Omni, Houston).
- Petrology of selected Mississippian Banff samples, western Canada (2004; Suncor Energy, Inc., Calgary).
- Prospect evaluation of Cretaceous carbonate plays in the Maverick Basin, southwest Texas (2004; Vintage Petroleum, Tulsa).
- Evaluation of the depositional facies, diagenesis and porosity evolution of Pennsylvanian Marble Falls Formation carbonates and cherts from the Bend Arch area, Ft. Worth Basin, Stephens County, Texas (2004; McClymond Ltd, Breckenridge, Texas)
- Petrological evaluation of samples from the Blue Star Operating Co. Taylor 1-132 well, Maverick County, Texas (2003-2004; ECL Consulting & Blue Star Operating Co. Houston and Dallas).
- Diagenesis and porosity evolution of Jurassic Abenaki carbonates in Well-70, Panuke Field, offshore Nova Scotia - integrated petrography and geochemistry (2003-2004; Encana Corporation, Calgary).
- Evaluation of Devonian pinnacle reef play potential in the Black Warrior Basin, Alabama (2003; SKH Inc., Houston).
- Documentation of depositional facies, diagenesis and reservoir quality in the Pennsylvanian upper Topeka limestones of the Taylor B-4 well, Oklahoma (2003; OXY USA, Houston).
- Regional facies and play relationships in the Cretaceous Glen Rose Formation, Maverick Basin, South Texas (2001-2003; Doughtie Exploration; The Exploration Company; Saxet Energy, Houston).
- Evaluation of Silurian and Devonian reservoir potential in the Black Warrior Basin of Alabama (2003; Fairways Offshore Exploration, Houston).
- Depositional setting and porosity evolution of Devonian Swan Hills Formation, western Canada (2003; Burlington Resources, Calgary).
- Depositional facies, diagenesis and porosity evolution of Devonian Blueridge dolostones, western Canada (2003; Burlington Resources, Calgary).
- Evaluation of depositional facies and reservoir quality in the Mississippian Banff Formation, western Alberta, Canada (2003; Suncor Energy, Calgary).

- Petrographic evaluation of Devonian limestone and dolostone reservoirs, Slave Point Formation, Canada (2003; ENCANA Corporation, Calgary).
- Evaluation of cores from Nexen's Viosca Knoll 610 well, Cretaceous James Limestone western Florida Platform, Louisiana State waters (2002-2003; Nexen Petroleum, Dallas).
- Facies and reservoir quality expressed in rotary cores of Cretaceous James and Rodessa limestone sequences, Louisiana (2002-2003; El Paso Production, Houston).
- Evaluation of Cretaceous Main Pass wells and implications for James Limestone prospects along the western Florida Platform (2002; Nexen Petroleum, Dallas).
- Depositional facies and reservoir quality in the Mississippian Banff Formation, western Alberta, Canada (2002; Suncor Energy, Calgary).
- Origin of dolomitization and associated porosity, Slave Point Formation, Beaverhill Lake Group, Canada (2001; Husky Energy, Calgary).
- Controls on reservoir quality in lower Paleozoic Bromide dolostones, Wilburton Field, Oklahoma (2001; BP-AMOCO, Houston).
- Evaluation of depositional facies and controls on James Limestone reservoir quality, Well VK 565#1, Eastern Gulf of Mexico (2001; Nexen Petroleum, Dallas).
- Diagenesis and porosity evolution of Jurassic Abenaki carbonates, Panuke Field, offshore Nova Scotia - implications for controls on reservoir quality (2001; PanCanadian, Calgary)
- Depositional facies and porosity evolution of upper Devonian sequences from cuttings, western Canada (2001; PanCanadian Petroleum, Calgary).
- Documentation of regional play relationships, Blueridge Formation, western Canada (2001; Suncor Energy, Calgary).
- Controls on porosity evolution of Leduc dolostones, western Canada (2000; PanCanadian Petroleum, Calgary).
- Play evaluation for the upper Cretaceous Nafoora-Augila Field, Libya (2000; Occidental Oil and Gas, Houston).
- Depositional facies and controls on porosity evolution of Devonian Blueridge dolostones, western Canada (2000; Post Energy, Calgary).
- Depositional setting and porosity evolution of Devonian Swan Hills Formation, western Canada (2000; Coastal Oil and Gas, Calgary).
- Evaluation of depositional and structural controls on reservoir development, Cretaceous Glen Rose Formation, Maverick Basin, Texas (2000; The Exploration Company, San Antonio).
- Depositional facies and reservoir quality, Mississippian Banff Formation, western Alberta, Canada (2000; PanCanadian Petroleum, Calgary).
- Depositional facies and reservoir quality, Devonian Wabamun Formation, western Alberta, Canada (2000; PanCanadian Petroleum, Calgary).
- Evaluation of a Paleocene chalk play, southeast Louisiana (2000; AEC, Calgary).
- Regional evaluation of the Upper Jurassic Haynesville Formation, Overton Field Area, East Texas: controls on play development in oolitic sands (1999 - 2000; Pioneer Natural Resources, Dallas).
- Evaluation of the Cretaceous James Limestone, eastern Gulf of Mexico, offshore Mississippi (1999; OXY USA, Houston).
- Determination of depositional facies and reservoir quality from cuttings of the Pettet Formation, Pioneer Natural Resources Arp Gas Unit #1 Well and UPRC Hammerhead Well, Smith County, Texas (1999; Pioneer Natural Resources, Dallas).
- Controls on play development in the Mississippian Elkton Formation dolomites, western Alberta (1999; Suncor Energy, Calgary).
- Evaluation of Jurassic Abenaki Formation samples from offshore Nova Scotia, Canada: depositional facies, porosity evolution and play potential (1999; PanCanadian Petroleum, Calgary).

- Petrology of Devonian Wabamun and Blueridge samples from western Alberta, with emphasis on depositional setting and reservoir quality (1999; PanCanadian Petroleum, Calgary).
- Depositional setting, diagenesis and porosity evolution of selected samples from the Mississippian Pekisko and Banff Formations, western Canada (1999; PanCanadian Petroleum, Calgary [two separate studies]).
- Petrographic determination of depositional environments and reservoir quality of Devonian Wabamun core and cuttings samples, western Canada (1999; Suncor Energy, Calgary).
- Depositional facies and physiographic setting of massive Devonian Swan Hills dolomites, western Canada (1999; Suncor Energy, Calgary).
- Diagenetic history and controls on porosity evolution of Devonian Swan Hills and Blueridge Formations, western Canada (1999; Suncor Energy, Calgary).
- Petrographic evaluation of Cretaceous samples from the Neuquen Basin, Argentina (1999; Unocal, Houston).
- Preliminary evaluation of the diagenetic history of Cretaceous carbonates, Block 9, offshore Angola (1998; Texaco, Houston).
- Depositional facies and diagenetic history of Leduc and Wabamun limestones and dolomites from Alberta, Canada (1998; PanCanadian Petroleum, Calgary).
- Diagenetic influences on the log response of Swan Hills dolomites, Alberta, Canada (1998; Suncor Energy Inc., Calgary).
- Controls on reservoir quality, Wabamun Formation, Alberta, Canada (1998; AEC West, Calgary).
- Depositional facies and reservoir quality of the Cretaceous Edwards #1 J.V. Isaacks well, Live Oak County, Texas (1998; Hanson Production Company, San Antonio).
- Smackover depositional facies and reservoir quality, east Texas (1998; Wagner & Brown, Houston).
- Petrographic evaluation of Tertiary limestones from the Andaman Sea (1998; UNOCAL, Houston).
- Play potential of Cretaceous Albian carbonates, offshore Angola (1997 - 98; Mobil Oil New Exploration Ventures, Dallas).
- Evaluation of the reservoir potential of the Devonian Wabamun and Swan Hills Formations, Alberta, western Canada (1997; Suncor Energy, Inc., Calgary).
- Petrographic evaluation of the facies, diagenesis, and porosity evolution of the upper Devonian Jean Marie and Wabamun Formations, N.E. British Columbia (1997; PanCanadian Petroleum, Calgary).
- Petrographic evaluation of the facies, diagenesis, and porosity evolution of the upper Devonian Jean Marie Formation, N.E. British Columbia (1997; Wascana Energy, Calgary).
- Evaluation of Jurassic and lower Cretaceous plays in the Rovuma Basin from seismic data, Mozambique (1997; Lonropet, Australia).
- Facies, depositional cyclicity, and porosity evolution of the Cretaceous Sunniland Field, Collier County, south Florida (1996-97; Plains Resources, Houston).
- Petrographic evaluation of the facies, diagenesis, and porosity evolution of the Slave Point Formation, Alberta, Canada (1996-97; Wascana Energy, Inc., Calgary).
- Controls on play development in the Devonian Wabamun sequence, Alberta, Canada (1996-97; Wascana Energy, Inc., Calgary).
- Core study of facies and reservoir quality, Sunniland Formation, south Florida (1996; Meridian Oil and Plains Resources, Houston).
- Evaluation of Pennsylvanian dolomites, Four Corners Platform, New Mexico and Colorado (1994-96; Meridian Oil, Houston).
- Evaluation of Devonian Slave Point Dolomite Plays, N.E. British Columbia (1995; Poco Petroleums, Calgary).
- Regional evaluation of Cretaceous Edwards limestones, S. Texas, and response of pore types to NMR logging tools (1995; Anadarko, Houston).

- Petrographic evaluation of the facies, diagenesis, and porosity evolution of the upper Devonian Jean Marie Formation, N.E. British Columbia (1995; Wascana Energy, Calgary).
- Petrographical evaluation of the Wristen Formation, West Devonian Field, Yoakum County, Texas (1995; Apache Corporation, Houston).
- Thin section petrography of Jurassic Arenque Field, Offshore Mexico (1994; Pemex).
- Evaluation of the Cretaceous Isis Reef Reservoir, Offshore Tunisia (1993-94; Samedan International, Houston).
- Evaluation of Devonian Reservoirs in Timan-Pechora Basin, Russia (1992-93; Saga Petroleum; Shell International; Oslo and The Hague).
- Facies and Porosity Evolution of Ordovician Carbonates from the Appalachian Basin (1993; Meridian Oil, Houston).
- Regional Evaluation of the Stuart City (Edwards) Reef Trend in South Texas (1991-92). (project as expert witness in oil and gas litigation).
- Timing of Porosity Development in the Ellenburger Group, West Texas and Evaluation of the Subaerial Karst Model (1990-91; Canadian Hunter Ltd., Calgary).
- Regional Facies, Depositional Cyclicity and Reservoir Quality of Upper Pennsylvanian Carbonates on the Eastern Shelf and Horseshoe Atoll area, Texas (1990-91; Canadian Hunter, Calgary).
- Evaluation of Reservoir Quality in the Smackover Formation, Alabama and Mississippi (1990-91; Canadian Hunter Ltd., Calgary).
- Evaluation of Reservoir Quality in Cretaceous Sligo Carbonates, South Texas (1990; Canadian Hunter, Calgary).
- Evaluation of the Diagenesis and Reservoir Quality of Selected Samples from the Arbuckle Group, Arkoma Basin, Oklahoma and Arkansas (1990; Exploration Methods Inc., Denver).
- Diagenesis of Middle Devonian Reservoirs and Controls on Pool Entrapment, Rainbow Sub-basin, Western Canada (1989-90; for Esso Resources Canada Ltd., Calgary).
- Evaluation of Reservoir Quality in Cenozoic Carbonates from New Zealand (1989).
- Evaluation of Facies and Reservoir Quality of Pennsylvanian Dolomitized Cuttings Using Fluorescence Microscopy (1989; Fina, Midland).
- Regional Jurassic and Cretaceous Carbonate Play Evaluation of the Eastern Gulf of Mexico (1988; for BHP Americas, Houston).
- Reservoir Evaluation of the Permian San Andres Seminole Field, Gaines County, Texas (1987-88; for Amerada Hess, Marathon and Arco, Littleton, Colorado).

INDUSTRY TEACHING

(325 Seminars Presented to Date)

2023 (1 Seminar)

“Carbonate Sedimentology Applied to Hydrocarbon Exploration and Development Geology” segment of the University of Houston’s Professional Master’s Program in Petroleum Geology, Friday-Saturday Lectures presented from January 20-February 4, 2023 (Houston).

2022 (10 Seminars)

“Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online Presentation from Houston, Texas (9/28 – 9/29)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Continental Resources: Oklahoma City, Oklahoma (9/19-9/23)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Continental Resources: Oklahoma City, Oklahoma (9/12-9/16)

“Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development,” Public Online Version, Houston, Texas (8/31)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Vermilion Energy: Calgary, Canada (4/25-4/29)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development”, South Texas Geological Society, San Antonio, Texas (4/8)

"Ancient Carbonate Field Seminar" (Private Version): Chesapeake Energy, West Texas and New Mexico (3/12 - 3/18)

“Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online Presentation from Houston, Texas (3/2 – 3/3)

“Controls on Carbonate Play Development in the Paleozoic of West Texas and New Mexico, Public Online Version, Houston, Texas (2/24)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development,” Public Online Version, Houston, Texas (2/17)

2021 (13 Seminars)

“Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online Presentation from Houston, Texas (12/16 –12/17)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City, Oklahoma (12/6-12/10)

“Controls on Carbonate Play Development in the Paleozoic of West Texas and New Mexico,” Public Online Version, Houston, Texas (12/3)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development,” Public Online Version, Houston, Texas (9/29)

“Carbonate Sedimentology Applied to Hydrocarbon Exploration and Development Geology” segment of the University of Houston’s Professional Master’s Program in Petroleum Geology, Friday-Saturday Lectures presented from August 27-September 17, 2021 (Houston).

“Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online Presentation from Houston, Texas (9/14 – 9/15)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development,” Public Online Version, Houston, Texas (6/23)

“Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online Presentation from Houston, Texas (5/19 – 5/20)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" Private Version for Tundra Oil & Gas in Calgary, given online from Houston, Texas (4/19-4/23)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Private Version for Magnolia Oil & Gas, Houston, Texas (4/8)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Online Version, Houston, Texas (3/21)

"Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online Presentation from Houston, Texas (2/23 – 2/24)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Online Version, Houston, Texas (1/27)

2020 (7 Seminars)

"Carbonate Play Development in Mesozoic Sequences of the U.S. Gulf Rim, Online Presentation from Houston, Texas (12/16 – 12/17)

"Use of Stratigraphic Relationships to Model Carbonate Reservoirs", seminar for PetroChina, Chengdu, China, Online Presentation from Houston, Texas (11/16 – 11/17)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Online Version, Houston, Texas (11/5)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Online Version, Houston, Texas (9/24)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Online Version, Houston, Texas (8/21)

"Carbonate Sedimentology Applied to Hydrocarbon Exploration and Development Geology" segment of the University of Houston's Professional Master's Program in Petroleum Geology, Friday-Saturday Lectures presented from May 29-June 24, 2020 (Houston)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Version, Houston, Texas (3/5)

2019 (13 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), PTTEP, Bangkok, Thailand (12/16-12/20)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Version, Houston, Texas (12/4)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Public Version, Houston, Texas (10/9)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (9/30-10/4)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Sage Natural Resources and Sedor Energy Group, Tulsa, Oklahoma (7/24; modified online presentation)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development," Oklahoma City Geological Society, Oklahoma City, Oklahoma (7/11)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), El Toro Resources, Oklahoma City, Oklahoma (7/10)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Lewis Energy San Antonio, Texas (6/12)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/28-5/6)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), BP, Denver, Colorado (4/15)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (4/1-4/5)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City, Oklahoma (3/4-3/8)

"Carbonate Sedimentology Applied to Hydrocarbon Exploration and Development Geology" segment of the University of Houston's Professional Masters Program in Petroleum Geology, Friday-Saturday Lectures presented from January 18-February 8, 2019 (Houston)

2018 (23 Seminars)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Oakspring Energy, Oklahoma City, Oklahoma (12/6)

"Controls on Carbonate Play Development In Paleozoic And Mesozoic" Carbonates: Influence of Physiographic Setting and Structural Controls on Conventional and Unconventional Carbonate Plays", Oklahoma City Geological Society, Oklahoma City, Oklahoma (11/15-11/16)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), EP Energy, Houston, Texas (8/23)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Devon Energy, Oklahoma City, Oklahoma (9/26)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (8/27-8/31)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Verdun, Houston, Texas (8/23)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Petroquest Energy, Lafayette, Louisiana (8/22)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Wildhorse Resource Development, Houston, Texas (8/17)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Sunrise Exploration, Houston, Texas (8/14)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Noble Energy Houston, Texas (8/7)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Torrent Oil and Blackbrush Energy, Houston, Texas (7/18)

"Principles of Carbonate Geology Applied to Mesozoic Sequences of the U.S. Gulf Rim," Covey Park Energy, Dallas (6/27-6/28)

"Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development" (Private Version), Apache, Houston, Texas (6/25)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), Conoco-Phillips, Houston, Texas (6/20)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), EnerVest Operating Company, Houston, Texas (5/22)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (5/14-5/18)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), Black Mountain Energy, Ft. Worth, Texas (5/3)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), Ensign Natural Resources, Houston, Texas (4/5)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), Chesapeake Energy and Nexen Energy, Oklahoma City, Oklahoma (3/14)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City, Oklahoma (3/5-3/9)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Pioneer Energy: Dallas, Texas (2/5-2/9)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), Murphy Oil, Houston, Texas (2/1)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Nexen Petroleum: Houston, Texas (1/22-1/26)

2017

(12 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/11-12/15)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development”, East Texas Geological Society, Tyler, Texas (11/15)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (10/13-10/20)

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), Marathon Oil, Houston, Texas (10/10)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (9/25-9/29)

“Carbonate Sedimentology Applied to Hydrocarbon Exploration and Development Geology” segment of the University of Houston’s Professional Masters Program in Petroleum Geology, Friday-Saturday Lectures presented from September 8-22, 2017 (Houston).

“Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development” (Private Version), Cavalier Energy, Calgary, Canada (6/21)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Anadarko Petroleum: The Woodlands, Texas (5/22-5/26)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/30-5/8)

- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/13-3/17)
- "Controls on Carbonate Play Development in the Paleozoic of West Texas and New Mexico, Bill Hailey Memorial Short Course, Southwest Section of AAPG, Fort Worth, Texas (1/10)
- "Controls on Carbonate Play Development in the Paleozoic of West Texas and New Mexico, Bill Hailey Memorial Short Course, Southwest Section of AAPG, Abilene, Texas (1/9)
- 2016 (5 Seminars)**
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/5-12/9)
- "Applied Carbonate Geology for Exploration and Exploitation" (Public Version), through Evolve Global Training, Kuala Lumpur (for 25 Petronas geoscientists; 9/26-9/30)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (9/19-9/23)
- "Carbonate Sedimentology Applied to Hydrocarbon Exploration and Development Geology" segment of the University of Houston's Professional Masters Program in Petroleum Geology, Friday-Saturday Lectures presented from May 27 to June 22, 2016 (Houston).
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/21-3/25)
- 2015 (6 Seminars)**
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (11/30-12/4)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (9/7-9/11)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (8/10-8/14)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/26-5/4)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/23-3/27)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Southwestern Energy: Houston (2/2-2/6)
- 2014 (11 Seminars)**
- "Principles Of Carbonate Geology Applied to the Exploration or Exploitation of Subsurface Carbonate Plays in the Devonian Richfield Sequence" (Private Version), Marathon Oil: Houston (12/9-12/10)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/1-12/5)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Sandridge Energy: Oklahoma City (10/27-10/31)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (9/8-9/12)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Shell Oil: Pittsburg (8/18-1/22)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Doha, Qatar (5/25-5/29)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/27-5/5)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (3/24-3/28)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/10-3/14)

"Principles Of Carbonate Geology Applied to the Exploration or Exploitation of Subsurface Carbonate Plays" (Private Version), Marathon Oil: Houston (2/17-2/19)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Southwestern Energy: Houston (1/13-1/17)

2013 (13 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/2-12/6)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Anadarko Petroleum: The Woodlands, Texas (11/4-11/8)

"Ancient Carbonate Field Seminar" (Private Version): Chesapeake Energy, West Texas and New Mexico (10/19-10/25)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Baker Hughes: Celle, Germany (9/23-9/27)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (9/9-9/13)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Encana: Plano, Texas (8/5-8/9)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Encana: Calgary, Canada (7/22-7/26)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Private Version): Chesapeake Energy, Turks and Caicos Islands (5/16-5/24)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/29-5/6)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (4/8-4/12)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/11-3/15)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City (3/4-3/8)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Southwestern Energy: Houston (1/14-1/18)

2012 (13 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Baker Hughes Mexico/PEMEX: Paraiso, Mexico (12/10-12/14)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/3-12/7)

"Ancient Carbonate Field Seminar" (Private Version): Chesapeake Energy, West Texas and New Mexico (10/20-10/26)

"Principles of Carbonate Geology Applied to Mesozoic Sequences of the U.S. Gulf Rim: Influence of Paleogeographic Setting and Structural Controls on Carbonate Play Development," Shreveport Geological Society, Louisiana (10/3-10/4)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Occidental Oil & Gas: Houston (9/24-9/28)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (9/10-9/14)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Apache Energy: Midland (7/30-8/3)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (7/9-7/13)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Private Version): OSUM Oil Sands, Turks and Caicos Islands (6/4-6/11)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Private Version): Chesapeake Energy, Turks and Caicos Islands (5/10-5/18)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/30-5/7)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City (3/26-3/30)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/5-3/9)

2011

(12 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Stanford University, Dept. Earth Sciences: Palo Alto (12/12-12/16)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/5-12/9)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Occidental Oil & Gas: Houston (11/7-11/11)

"Ancient Carbonate Field Seminar" (Private Version): Chesapeake Energy, West Texas and New Mexico (10/22-10/28)

"Principles of Carbonate Geology Applied to Mesozoic Sequences of the U.S. Gulf Rim. Bureau of Ocean Energy Management: New Orleans, Louisiana (9/27- 9/28)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (9/12-9/16)

"Principles of Carbonate Geology Applied to Cretaceous Sligo and Edwards Sequences in South Texas" (Shell Oil Company, Houston (9/8-9/9).

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Private Version): Chesapeake Energy, Turks and Caicos Islands (5/13-5/21)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/1-5/9)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Husky Energy: Calgary (4/4-4/8)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City (3/21-3/25)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (2/28-3/4)

2010

(13 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (11/29-12/3)

"Ancient Carbonate Field Seminar" (Private Version): Chesapeake Energy, West Texas and New Mexico (10/23-10/29)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Through Baker Atlas Training): Houston (11/16-8/20)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (7/26-7/30)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Penn West Energy: Calgary (6/21-6/25)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), (Private Version): Talisman Energy: Calgary (6/7-6/11)

"Review of Typical Depositional and Diagenetic Fabrics in Carbonate Rocks", (Private Version), Ingrain, Inc.: Houston (5/13-5/14)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Private Version): Chesapeake Energy, Turks and Caicos Islands (5/20-5/28)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/1-5/10)

"Principles of Carbonate Geology Applied to Mesozoic Sequences of the U.S. Gulf Rim", (Private Version), Devon Energy: Houston (4/26-4/27)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), BHP Billiton: Houston (4/12-4/16)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City (3/22-3/26)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/1-3/5)

2009

(9 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (11/30-12/4)

"Ancient Carbonate Field Seminar" (Private Version): Chesapeake Energy, West Texas and New Mexico (10/24-10/30)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Through Baker Atlas Training): Houston (8/17-8/21)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Enerplus: Calgary (6/8-6/13)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Private Version): Chesapeake Energy, Turks and Caicos Islands (5/26-6/3)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/3-5/11)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Devon Canada: Calgary (3/30-4/3)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City (3/23-3/27)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/2-3/6)

2008

(13 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/1-12/5)

"Ancient Carbonate Field Seminar" (Private Version): Chesapeake Energy, West Texas and New Mexico (10/25-10/31)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Through Baker Atlas Training): Houston (8/11-8/15)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (7/21-7/25)

"Review of Jean Marie diagenesis and porosity evolution", Encana Corp., Calgary (6/1)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Private Version): Chesapeake Energy, Turks and Caicos Islands (5/15-5/23)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/27-5/5)

Review of Mississippian Diagenesis of Banff and Shunda carbonates, western Canada (Suncor Energy & EOG Resources, Houston (4/24-4/25)

"Overview of Hydrothermal Dolomites" (Private Short Course): Chesapeake Energy, Charleston, W.V. (4/10-4/11)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Baker Hughes: Abu Dhabi (3/30-3/23)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/3-3/7)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Chesapeake Energy: Oklahoma City (2/25-2/29)

"Overview of Cretaceous Sligo And Edwards Carbonate Plays In South Texas" (Private Short Course): Aspect Energy, Denver, Colorado (1/18)

2007 (9 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/3-12/7)

"Carbonate Sequence Stratigraphy Short Course" (Private Version), EOG Resources, Denver (10/31)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), BP Canada: Calgary (10/15-10/19)

"Carbonate Sequence Stratigraphy Short Course" (Private Version), EOG Resources, Midland (9/10)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Through Baker Atlas Training): Houston (8/13-8/17)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (6/18-6/22)

"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/28-5/7)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Occidental Oil & Gas: Houston (3/19-3/23)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/5-3/9)

2006 (10 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (11/27-12/1)

"Overview of Mesozoic Carbonate Plays Along the U.S. Gulf Rim: Influence of Setting and Structural Controls," Tyler, Texas (9/7)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Through Baker Atlas Training): Houston (8/21-8/25)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation" taught through HOT Engineering: Vienna, Austria (6/19-6/23)
"Carbonate Field Seminar, Caicos Platform, British West Indies" for Occidental Oil & Gas: Turks and Caicos Islands (6/4-6/10)
"Carbonate Field Seminar, Caicos Platform, British West Indies" for Occidental Oil & Gas: Turks and Caicos Islands (5/21-5/27)
"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/1-5/8)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Occidental Oil & Gas: Houston (4/3-4/7)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Occidental Oil & Gas: Houston (3/20-3/24)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (3/6-3/10)

2005 (8 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (12/5-12/9)
"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (10/24-5/31)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Through Baker Atlas Training): Houston (8/8-8/12)
"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/2-5/9)
"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/15-5/22)
"Carbonate Field Seminar, Caicos Platform, British West Indies" for Suncor Energy Inc.: Turks and Caicos Islands (4/18-4/25)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston, Texas (2/28-3/4)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation", Anadarko Petroleum Inc.: Houston (1/31-2/4)

2004 (6 Seminars)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (11/29-12/3)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation", Suncor Energy Inc.: Calgary (11/22-11/26)
"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Through Baker Atlas Training): Houston (8/2-8/6)
"Carbonate Facies and Reservoirs" and "Overview of Carbonate Diagenesis and Porosity Evolution" for NExT Training: Tulsa, Oklahoma (7/12-7/15)
"Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/3-5/10)

- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (3/1-3/5)
- 2003 (5 Seminars)**
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (12/1-12/5)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Private Version), Occidental Oil & Gas: Houston (5/12-5/16)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/30-5/7)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" for Burlington Resources Canada: Turks and Caicos Islands (4/9-4/16)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (2/3-2/7)
- 2002 (7 Seminars)**
- "Carbonate Facies and Reservoirs" and "Overview of Carbonate Diagenesis and Porosity Evolution" for NExT Training: Tulsa, Oklahoma (10/28-11/1)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (8/19-8/23)
- "Review of the Caicos Platform Models for Carbonate Sedimentation and Application to the Cretaceous of the Gulf of Mexico" for El Paso Production, Houston: (8/1)
- "Diagenesis and Porosity Evolution of Limestone and Dolostone Reservoirs" (with J.C. Wendte) CSPG Short Course: Calgary (6/10-6/12)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/1-5/8)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (3/4-3/8)
- "Carbonate Facies and Reservoirs" and "Overview of Carbonate Diagenesis and Porosity Evolution" for NExT Training: Tulsa, Oklahoma (2/4-2/6)
- 2001 (8 Seminars)**
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (8/27-8/31)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/24-5/31)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" for Phillips Petroleum: Turks and Caicos Islands (5/2-5/9)
- "Overview of Cretaceous Carbonate Play Potential, eastern Gulf of Mexico" for Pioneer Natural Resources: Dallas (4/6)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" for University of Nebraska, Lincoln: Turks and Caicos Islands (3/9-3/16)
- "Applications of carbonates to hydrocarbon exploration and exploitation," University of Nebraska, Lincoln, Nebraska (3/3-3/5)
- "Carbonate Facies and Reservoirs" and "Overview of Carbonate Diagenesis and Porosity Evolution" for NExT Training: Tulsa, Oklahoma (2/5-2/7)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (1/22-1/26)

- 2000 (6 Seminars)**
 "Overview of Porosity Evolution in Carbonates" (Private Seminar for Suncor Energy, Coastal Oil & Gas & Taurus Energy): Houston (11/30-12-1)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (10/19-10/26)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" for Exxon/Mobil: Miami & Turks and Caicos Islands (9/17-9/25)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" for Colorado School of Mines: Turks and Caicos Islands (5/9-5/16)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/2-5/9)
 "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (2/28-3/3)
- 1999 (4 Seminars)**
 "Carbonates Applied to Hydrocarbon Exploration and Exploitation" for Marathon Oil, Inc.: Houston (9/27-10/2)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/4-5/11)
 "Carbonates Applied to Hydrocarbon Exploration and Exploitation" for Conoco, Inc.: Houston (4/19-4/23)
 "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (2/22-2/26)
- 1998 (7 Seminars)**
 "Carbonates Applied to Hydrocarbon Exploration and Exploitation", For ADNOC, Abu Dhabi (12/12-12/16)
 "Overview of Modern Carbonate Depositional Systems" (Public Version): Houston, Texas (10/5-10/6)
 "Carbonate Facies and Reservoirs" and "Overview of Carbonate Diagenesis and Porosity Evolution" for Amoco Production Company: Tulsa, Oklahoma (9/14-9/16)
 "Overview of Modern Carbonate Depositional Systems" for Permian Basin Graduate Center: Midland, Texas (8/17-8/18)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (5/7-5/14)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" for Suncor Energy Inc.: Turks and Caicos Islands (4/28-5/5)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" for University of Nebraska, Lincoln: Turks and Caicos Islands (3/20-3/27)
- 1997 (7 Seminars)**
 "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (12/1-12/5)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" for Mobil Oil: Turks and Caicos Islands (9/30-10/6)
 "Carbonate Facies and Reservoirs" for Amoco Production Company: Tulsa, Oklahoma (9/9-9/10)
 "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public Version), University of Houston, Hilton Conference Center: Houston (6/9-6/13)
 "Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/24-5/1)
 "Actualistic Carbonate Sequence Stratigraphy - Principles and Applications" for Phillips Petroleum, Inc.: Midland, Texas (3/3-3/5)

- “Actualistic Carbonate Sequence Stratigraphy - Principles and Applications”
(Public Version), University of Houston, Hilton Conference Center: Houston
(2/26-2/28)
- 1996 (7 Seminars)**
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public
Version), University of Houston, Hilton Conference Center: Houston (12/2-12/6)
- “Actualistic Carbonate Sequence Stratigraphy - Principles and Applications”
(Public Version), University of Houston, Hilton Conference Center: Houston
(11/13-11/15)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" for Mobil Oil: Turks and
Caicos Islands (10/7-10/13)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public
Version), University of Houston, Hilton Conference Center: Houston (6/3-6/7)
- "Modern Carbonate Field Seminar, Caicos Platform, British West
Indies" (Public Version): Turks and Caicos Islands (4/25-5/2)
- “Actualistic Carbonate Sequence Stratigraphy - Principles and Applications”
(Public Version), University of Houston, Hilton Conference Center: Houston
(3/5-3/6)
- “Actualistic Carbonate Sequence Stratigraphy - Principles and Applications”
for Chevron Overseas Petroleum, Inc.: San Ramon, California (2/21-2/23)
- 1995 (12 Seminars)**
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public
Version), University of Houston, Hilton Conference Center: Houston (12/4-12/8)
- “Fundamentals of Carbonate Diagenesis and Porosity Development” for
Amoco Production Company: Houston, Texas (10/23-10/25)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" for
Mobil Oil: Turks and Caicos Islands (10/16-10/22)
- “Actualistic Carbonate Sequence Stratigraphy - Principles and Applications”
for Conoco, Inc.: Houston, Texas (9/7-9/8)
- “Carbonates Applied to Hydrocarbon Exploration and Exploitation” for
Exxon U.S.A.: Midland, Texas (8/21-8/25)
- “Carbonate Sequence Stratigraphy and Plays” for Pakistan Exploration &
Production Advisory Committee (PEPCAC): Islamabad, Pakistan (8/6-8/10)
- “Actualistic Carbonate Sequence Stratigraphy - Principles and Applications”
for Numac Energy: Calgary, Canada (6/21-6/23)
- “Applications of Carbonate Diagenesis to Exploration and Development
Geology” for Numac Energy: Calgary, Canada (6/19-6/21)
- “Actualistic Carbonate Sequence Stratigraphy - Principles and Applications”
to Santa Fe Energy: Jakarta, Indonesia (5/11-5/12)
- "Modern Carbonate Field Seminar, Caicos Platform, British West
Indies" (Public Version): Turks and Caicos Islands (4/25-5/2)
- “Actualistic Carbonate Sequence Stratigraphy” (Public Version): Houston
(4/11-4/12)
- “Carbonates Applied to Petroleum Geology” (One-day short course for Amoco
Production Company - Venezuelan Group): Houston (1/26)
- 1994 (8 Seminars)**
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public
Version), University of Houston, Hilton Conference Center: Houston (12/5-
12/9)

"Fundamentals of Carbonate Diagenesis" for Amoco Production Company:
Houston (11/2-11/4)

"Carbonate Field Seminar, Caicos Platform, British West Indies" for
Mobil Oil: Turks and Caicos Islands (10/17-10/23)

"Actualistic Carbonate Sequence Stratigraphy - Alternative Approaches
for Exploration and Development Geology" for Permian Basin Graduate Center:
Midland (8/29-8/30)

"Subsurface Exploration in Carbonates: Cores and Logs" for Amoco
Production Company: Houston (7/11-7/12)

"Modern Carbonate Field Seminar, Caicos Platform, British West Indies"
to Chevron Corporation: Turks and Caicos Islands, (5/8-5/14)

"Modern Carbonate Field Seminar, Caicos Platform, British West
Indies" (Public Version): Turks and Caicos Islands (4/27-5/4)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public
Version), University of Houston, Hilton Conference Center: Houston (2/28-3/4)

1993 (11 Seminars)

"Modern Carbonate Field Seminar, Caicos Platform, British West
Indies" (Public Version): Turks and Caicos Islands (11/14-11/20)

"Carbonate Sequence Stratigraphy" to Home Oil: Calgary, Canada
(11/9-11/9) (with J.C. Wendte)

Lectured on Carbonate Plays and Burial Diagenesis in Industry Synergy Course

"Carbonate Facies and Diagenesis Models" for Home Oil, Norcen, Husky Oil, Mobil
and Pan Canadian: Calgary, Canada (11/4-11/5)

"Carbonate Sequence Stratigraphy - Principles and Applications" for Enserch
Exploration, Inc.: Dallas (10/28-10/29)

"Carbonate Field Seminar, Caicos Platform, British West Indies" for
Mobil Oil: Turks and Caicos Islands (10/19-10/24)

"Modern Carbonate Field Seminar, Caicos Platform, British West Indies" to
Chevron Corporation: Turks and Caicos Islands, (10/3-10/9)

"Carbonates Applied to Hydrocarbon Exploration and Exploitation" (Public
Version), University of Houston, Hilton Conference Center: Houston (6/14-6/18)

"Modern Carbonate Field Seminar, Caicos Platform, British West Indies" to
Chevron Corporation: Turks and Caicos Islands, (5/10-5/15)

"Modern Carbonate Field Seminar, Caicos Platform, British West
Indies" (Public Version): Turks and Caicos Islands (5/1-5/8)

"Carbonates Applied to Hydrocarbon Exploration and Development Geology"
for Union Pacific Resources Company: Ft. Worth (3/29-4/2)

1992 (8 Seminars)

"Carbonates Applied to Exploration and Development Geology"
for GeoQuest Training: Houston (11/30-12/4)

"Modern Carbonate Field Seminar, Caicos Platform, British West
Indies" (Public Version): Turks and Caicos Islands (11/17-11/24)

"Modern Carbonate Field Seminar, Caicos Platform, British West Indies"
Chevron USA: Turks and Caicos Islands, (10/4-10/10)

"Carbonates Applied to Hydrocarbon Exploration and Development Geology"
for GeoQuest Training: Houston (9/21-9/25)

Presented Short Course "Burial Dissolution in Limestones and Dolomites - Criteria
for Recognition and Discussion of Controls: A Case Study Approach (Part 1: Upper
Jurassic Haynesville Limestones, East Texas; Part 2: Devonian Upper Elk Point

- Dolomites, Western Canada," AAPG/CSPG Short Course "Subsurface Dissolution Porosity in Carbonates, Calgary, Canada (6/21)
- "Modern Carbonate Field Seminar, Caicos Platform, British West Indies" to Chevron USA: Turks and Caicos Islands, (5/11-5/16)
- "Modern Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/24-5/1)
- "Exploration for Carbonate Plays" to Conoco, Inc.: Austin, Texas (1/27-1/31)
- 1991 (8 Seminars)**
- "Exploration for Carbonate Plays" to Conoco, Inc.: Austin, Texas (10/28-11/1)
- "Carbonates Applied to Hydrocarbon Exploration and Exploitation" for Gulf Coast Association of Geological Societies Annual Meeting, Short Course #4: Houston, Texas (10/16)
- "Carbonate Field Seminar, Caicos Platform, British West Indies" for Mobil Oil: Turks and Caicos Islands (10/8-10/13)
- "Modern Carbonate Field Seminar, Caicos Platform, British West Indies" to Chevron USA: Turks and Caicos Islands, (9/30-10/5)
- "Canadian Hunter Exploration Ltd. Carbonate Course": Calgary, Canada (7/22-7/26)
- "Modern Carbonate Field Seminar, Caicos Platform, British West Indies" to British Petroleum Ltd.: Turks and Caicos Islands, (6/16-6/24)
- "Advanced Carbonate Field Seminar, Caicos Platform, British West Indies" for Esso Resources Canada Ltd.: Turks and Caicos Islands (5/8-5/17)
- "Modern Carbonate Field Seminar, Caicos Platform, British West Indies" (Public Version): Turks and Caicos Islands (4/18-4/25)
- 1990 (6 Seminars)**
- "Exploration for Carbonate Plays" (Public Version) at GeoQuest International: Houston, Texas (12/3-12/7)
- "Seminar to Caicos Platform, British West Indies" for Mobil Oil: Turks and Caicos Islands (6/19-6/25)
- "Advanced Carbonate Field Seminar, Caicos Platform" (Public Version): Turks and Caicos Islands, (5/14-5-21)
- "Modern Carbonate Field Seminar, Caicos Platform, British West Indies" for Canadian Hunter Exploration Ltd, Calgary: Turks and Caicos Islands (4/20-4/26)
- "Exploration for Carbonate Plays" to Conoco, Inc.: Austin, Texas (1/22-26)
- "Exploration for Carbonate Plays" for Chevron USA: Houston, Texas (1/8-1/12)
- 1989 (6 Seminars)**
- "Overview on Applied Carbonates" for Houston Geological Society: Houston, Texas (11/18)
- "Exploration for Carbonate Plays" at GeoQuest International: Houston, Texas (8/21-25)
- "Advanced Carbonate Field Seminar, Caicos Platform (Public Version): Turks and Caicos Islands (6/27-7/5)
- Instructor and fieldtrip leader for "Advanced Carbonates School," Esso Resources Canada Ltd.: Calgary and Turks and Caicos Islands (5/8-5/27)
- "Overview of Carbonates Applied to Hydrocarbon Exploration and Exploitation" to Schlumberger, Inc.: Houston, Texas (3/6)
- "Exploration for Carbonate Plays" for Conoco, Inc.: Austin, Texas (1/23-1/27)

- 1988 (4 Seminars)**
 "Exploration for Carbonate Plays" at GeoQuest International: Houston, Texas (12/12-12/16)
 Presented series of lectures on Carbonate Geology Applied to Petroleum Exploration and Production for Tenneco Oil: Lafayette, Louisiana (10/5)
 Instructor for Esso Resources Canada Basic Carbonate School: Calgary, Canada (5/5- 5/12)
 "Exploration for Carbonate Plays" for Conoco, Inc.: Houston, TX (1/25-1/29)
- 1987 (4 Seminars)**
 Presented Seminar on Carbonate Play Relationships and Case Histories to Union Pacific Resources Company: Houston, TX (12/1)
 Presented Series of Lectures on Carbonate Geology Applied to Petroleum Exploration and Production for Tenneco Oil: Houston, TX (10/27)
 "Applied Carbonate Exploration" for Tenneco Oil: San Antonio, TX (4/27-5/1)
 Instructor for Esso Resources Canada "Basic Carbonate School": Calgary, Canada (2/9-2/16)

EXXON TEACHING

- 1986** Chairman and Major Instructor, Exxon's Advanced Carbonates School: Houston, Caribbean, Texas and New Mexico (4/22-5/12)
- 1985** Chairman and Major Instructor, Exxon's Advanced Carbonate Facies School: Houston, Caribbean, Texas and New Mexico (4/22-5/17)
 Chairman, Exxon's Basic Carbonates Schools, Houston, Texas (1/21-1/25 and 1/28-2/1)
- 1984** Organizer and Instructor, Exxon's On-site Carbonate School Guangzhou, China (11/26-12/17)
 Chairman, Exxon's Basic Carbonates School, Houston, Texas (11/5-11/9)
 Organized and led field trip for Chinese geological delegation to central Texas (8/8-8/28)
 Chairman and Major Instructor, Exxon's Advanced Carbonate Facies School: Houston, Caribbean, Texas and New Mexico (4/24-5/18)
 Instructor, Exxon's Basic Carbonates Schools, Houston, Texas (1/30-2/3 and 2/6-2/1)
 Chairman and Instructor, On-site Carbonates School for Exxon USA, New Orleans, Louisiana (1/16-1/20)
- 1983** Chairman and Instructor, Exxon's Basic Carbonates Schools, Houston, Texas (11/44-11/18 and 1/24-1/28)
 Chairman and Major Instructor, Exxon's Advanced Carbonates Facies School: Houston, Caribbean, Texas and New Mexico (4/25-5/19)
- 1982** Instructor, Exxon's Basic Carbonates Schools, Houston, Texas (7/12-7/16 and 7/19-7/23)
 Instructor, On-site Carbonates School for Esso Australia, Sydney, Australia (6/12-24)
 Chairman and Major Instructor, Exxon's Advanced Carbonate Facies School: Houston, Caribbean, Texas and New Mexico (4/19-5/14)
 Instructor, Exxon's Basic Carbonates School, Houston, Texas (2/22-2/26)

- 1981** Chairman and Instructor, Exxon's Basic Carbonates Schools, Houston, Texas (12/7-12/11 and 4/20-4/25)
 Guest Lecturer, Exxon's Exploration School, Houston, Texas (11/19)
 Major Instructor, Exxon's Advanced Carbonates Facies school: Houston, Caribbean, Texas and New Mexico (4/27-5/19)
- 1980** Revised Exxon's Advanced Carbonate Facies School and developed new classroom notebooks and field guidebooks
 Guest lecturer, Exxon's Reservoir Geology School, Houston Texas (12/4)
 Chairman and Instructor, Exxon's Basic Carbonates School, Houston, Texas (11/17-11/21)
 Instructor, On-site Carbonates School for Lagoven Petroleum Company, Maracaibo, Venezuela (9/29-10/6)
 Leader of Holocene Field trip for Esso Resources Canada geologists, Bahamas and Florida (6/30-7/4)
 Major Instructor, Exxon's Advanced Carbonate Facies School: Houston, Caribbean, Texas and New Mexico (4/21-5/16)
- 1979** Developed new Exxon in-house Basic Carbonates School with lecture and laboratory format
 Chairman and Instructor, Exxon's Basic Carbonates School, Houston, Texas (11/26-11/30)
 Instructor, On-site Carbonates School for Lagoven Petroleum Company, Maracaibo, Venezuela (7/9-7/23)
 Instructor, Exxon's Advanced Carbonate Facies School: Houston, Texas and New Mexico (4/23-5/19)

REVIEW OF RESEARCH

Rice University

- o Developed new criteria for establishing deep-burial dissolution in limestones and dolomites.
- o Developed new petrographic techniques to recognize microporosity and relict textures in carbonates.
- o Documented controls on Devonian pool entrapment in western Canada (with I. D. Muir).
- o Distinguished attributes of shallow-marine carbonate sedimentation in a trade wind belt, Caicos Platform (with H. R. Wanless).
- o Established the influence of paleo-trade winds on subsurface carbonate play distribution.
- o Documented Holocene reflux dolomitization on Caicos Platform, southern Bahamas (with H.R. Wanless).

Exxon Production Research Company

- o Devised new stratigraphic approach for correlating within carbonate reservoirs that enhanced their hydrocarbon exploitation (with J. C. Wendte and F. A. Stoakes).
- o Documented occurrence of deep-burial secondary porosity in Jurassic Haynesville limestones, establishing a relationship to hydrocarbon maturation and migration.
- o Developed new applications of fluorescence microscopy, which allow recognition of facies and diagenetic history in carbonate rocks previously uninterpretable.
- o Integrated seismic, well log and lithological data into comprehensive play assessment of Tertiary carbonates for over 15 offshore basins in southeast Asia.
- o Delineated depositional facies, diagenetic environments and porosity evolution of Jurassic Smackover and Haynesville carbonates along U.S. Gulf Coast.

Other:

- o Documented Holocene Pleistocene sedimentation of Caicos Platform, British West Indies, and developed new alternative models of shallow-marine carbonate deposition (with H. R. Wanless).
- o Documented the first occurrence of normal marine, subtidal columnar stromatolites in the Bahamas and proposed new model to guide interpretation of stromatolitic sequences in the rock record.
- o Delineated exposed Pleistocene platform-margin barrier reef and oolitic sand sequence on the western margin of Caicos Platform, British West Indies, resulting in an improved understanding of leeward margin evolution of carbonate platforms (with H. R. Wanless and V. J. Rossinsky).
- o Reconstructed the regional depositional setting, diagenesis and porosity evolution of the Upper Cretaceous Austin Chalk in South Texas and Northern Mexico, contrasting its attributes with those of classical North Sea chalks.
- o Described Holocene depositional facies across a high-energy platform, Eleuthera Bank, and proposed an alternative model of Bahamian shallow marine carbonate deposition.
- o Documented the occurrence of, and controls on, widespread submarine cementation across a high-energy Bahamian platform, developing predictive guidelines applicable to comparable ancient carbonate sequences.

PUBLISHED PAPERS

- 2020** (with H.R. Wanless). *Comments on: “Anatomy of a late Quaternary carbonate island: Constraints on timing and magnitude of sea-level fluctuations, West Caicos, Turks and Caicos Islands, BWI”* by Kerans et al.; *Quaternary Science Reviews*, v. 243, 4p
<https://doi.org/10.1016/j.quascirev.2020.106216>
- 2018** (with H.R. Wanless). *Reflux Dolomitization – A Holocene Example Beneath a Coastal Salina, West Caicos Island, Turks and Caicos Islands*, *Journal of Marine and Petroleum Geology*, v. 97, p. 311-322.
- 2017** (with H.R. Wanless). *Impact of Strong Easterly Trade Winds on Carbonate Petroleum Exploration - Relationships Developed From Caicos Platform, Southeastern Bahamas*, *Journal of Marine and Petroleum Geology*, v. 85, p. 272-300.
- 2014** (with I.D. Muir). *Deep-burial dissolution and brecciation in dolostone reservoirs: striking similarities between the Devonian Keg River Formation of western Canada and the Ordovician Ellenburger group of west Texas*, *Interpretation*, Vol. 2, No. 4 (November 2014); p. T221–T241.
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ABSTRACTS

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- 1987 ***Reservoir Microporosity in Upper Jurassic Haynesville Limestones in East Texas: Evidence for Deep-Burial Generation.*** Society of Economic Paleontologists and Mineralogists Fourth Annual Mid-Year Meeting, Austin, Texas, V. IV, p. 22.
- Sulfide Mineralization in Haynesville Limestones of East Texas: Implications for Deep Secondary Porosity Development.*** Society of Economic Paleontologists and Mineralogists Fourth Annual Mid-Year Meeting, Austin, Texas, V. IV, p. 22-23.
- Burial Diagenesis and Creation of Deep Secondary Microporosity in Limestones: Criteria for Documentation.*** American Association of Petroleum Geologists Bulletin, V. 71, p. 550.
- 1986 ***Hardened Subtidal Columnar Stromatolites, Bahamas: Setting and Petrography.*** Society of Economic Paleontologists and Mineralogists Third Annual Mid-Year Meeting, Raleigh, North Carolina, V. III, p. 31.
- Hydrocarbon Influences on Deep Burial Secondary Porosity Development: Jurassic Haynesville Limestone Case Study.*** Geological Society of America, Penrose Conference on Reservoir Diagenesis, Cannes, France (June 10).
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- 1984 (with H. R. Wanless). ***A Comparison of Two Holocene Tidal Flat: Andros Island, Bahamas and Caicos, British West Indies.*** American Association of Petroleum Geologists Bulletin, v. 68, p. 537.
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- 1976 ***Widespread Generation of Hardgrounds in a High Energy Oolitic Environment on Eleuthera Bank, Bahamas.*** American Association of Petroleum Geologists Bulletin, v. 60, p. 667.
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INVITED LECTURES

- 2023 ***Tropical Trade Wind Carbonate Depositional Models from Caicos Platform, SE Bahamas: Applications to Cretaceous Limestone Reservoirs Around the Ancestral Gulf Of Mexico,*** Houston Geological Society, Houston, Texas (January 9; In-Person Presentation).
- 2021 ***How Understanding Physiographic Setting Enhances the Pursuit of Carbonate Plays: Case Studies From the Cretaceous of the Ancestral Gulf Of Mexico,*** Fort Worth Geological Society, Fort Worth, Texas (October 12; Online Zoom Presentation).
- 2018 ***Influence of Reactivated Basement Faults on The Porosity Evolution of South Texas Cretaceous Carbonates – Implications for Austin Chalk Play Development in Texas and Louisiana,*** South Texas Geological Society, San Antonio, Texas (October 10).
- 2017 ***Overview of the Austin Chalk in South Texas and Louisiana: Depositional Setting, Diagenesis and Porosity Evolution, and Play Development,*** East Texas Geological Society, Tyler, Texas (November 15)
- Influence of Strong Easterly Trade Winds on Carbonate Plays,*** East Texas Geological Society, Tyler, Texas (November 15)
- Controls on Carbonate Play Development in the Paleozoic of West Texas and New Mexico,*** Bill Hailey Memorial Short Course, Southwest Section of AAPG, Fort Worth, Texas (January 10)
- Controls on Carbonate Play Development in the Paleozoic of West Texas and New Mexico,*** Bill Hailey Memorial Short Course, Southwest Section of AAPG, Abilene, Texas (January 9)
- 2013 ***Influence of Stronger Easterly Paleotrade Winds on Carbonate Play Development – Applications of Caicos Platform Models to Petroleum Exploration,*** Corpus Christi Geological Society, Corpus Christi, Texas (March 20).
- 2003 ***Applications of the Caicos platform model (S.E. Bahamas) to Gulf of Mexico exploration: influence of paleotrade winds on Mesozoic carbonate play development,*** Occidental Oil & Gas, Houston (February 26).

- 2002 ***The Ellenburger of west Texas and the Devonian Keg River of western Canada: case studies where deep-burial dissolution controls dolostone reservoir development***, Houston Geological Society, North American Exploration Group, Houston (January 28).
- 2001 ***Structural controls on the development of dolostone reservoirs, Devonian Keg River Formation, northwestern Alberta, Canada***, University of Nebraska, Lincoln (March 3).
- 2000 ***Applications of the Caicos platform model (S.E. Bahamas) to Gulf of Mexico exploration: influence of paleotrade winds on Mesozoic carbonate play development***, Phillips Petroleum, Houston (July 19).
- Carbonate Play Relationships in the Upper Jurassic Haynesville Formation, East Texas***, Anadarko Petroleum, Houston (January 28).
- 1999 (with H.R. Wanless). ***Application of the Caicos Platform Model to Exploration: Trade Wind Controls on Carbonate Play Distribution***, University of Miami Department of Geology Seminar, Miami, Florida (March 26).
- Geology and Stratigraphy of the Devonian Judy Creek Reef Reservoir, western Canada***, University of Miami, Reefs Through Time Seminar, Miami, Florida (March 26).
- Application of the Caicos Platform Model to Exploration: Trade Wind Controls on Carbonate Play Distribution***, Shreveport Geological Society, Shreveport, Louisiana (February 16).
- 1998 ***Cretaceous Isis Field, Tunisia: An Offshore Rudist Reef Complex***, Dallas Geological Society, International Group, Dallas, Texas (January 28).
- 1997 ***Play Attributes of Cretaceous Rudist Reef Reservoirs - Examples From the Gulf of Mexico and the Middle East***, Dallas Geological Society, Dallas, Texas (March 11).
- 1996 ***Influence of Physiographic Setting and Tectonics on Carbonate Platform Development***, Amoco Production Company Seminar on Carbonate Petroleum Systems, Houston (June 19).
- Play Attributes of Cretaceous Rudist Reef Reservoirs - Examples From the Gulf of Mexico and the Middle East***, Houston Geological Society North American Explorationists and International Explorationists Joint Dinner Meeting, Houston, Texas (February 19).
- Play Attributes of Carbonate Reservoirs: Guidelines for Exploiting Gulf Coast Carbonate Sequences***, East Texas Geological Society, Tyler, Texas (February 14).

- 1995 ***The Importance of Physiographic Setting in Subsurface Carbonate Play Development - Lessons From Bahamian Quaternary Carbonates***, SEPM Permian Basin Section Luncheon, Midland, Texas (November 21).
- Evaluation of Paleokarst Using Enhanced Petrography and Guidelines From Quaternary Carbonates***, Keynote Talk, Paleokarst Research Conference, San Salvador, Bahamas (February 18).
- 1994 ***Play Attributes of Carbonate Reservoirs: Guidelines for Exploiting Gulf Coast Carbonate Sequences***. Shreveport Geological Society, Shreveport, Louisiana (September 20)
- 1992 ***Alternative Models of Carbonate Deposition and Early Porosity Modification, Caicos Platform, British West Indies***. University of Houston Seminar Series, Houston, Texas (October 16).
- 1991 (with I.D. Muir). ***Burial Porosity Development in Middle Devonian Keg River Reservoirs***. Canadian Society of Petroleum Geologists Luncheon Meeting, Calgary, Canada (November 28).
- 1990 ***Caicos Platform - Alternative Models for Carbonate Deposition and Early Porosity Modification from the Southeastern Bahamas***. Ft. Worth Geological Society, Ft. Worth, Texas (November 12).
- Comparative Carbonate Sedimentology: Applications to Hydrocarbon Exploration and Production***. Tyler Geological Society, Tyler, Texas (October 30).
- Holocene and Pleistocene Depositional Facies on Caicos Platform, British West Indies: Alternative Models of Shallow Carbonate Platform Deposition***. Chevron USA, Houston, Texas (April 3).
- 1989 ***Timing of and Controls on Reservoir Microporosity Development in Upper Jurassic Haynesville Limestones, East Texas***. Exxon USA Production Department, Houston, Texas (September 7).
- Timing of and Controls on Reservoir Microporosity Development in Upper Jurassic Haynesville Limestones, East Texas***. Exxon USA Exploration Department, Houston, Texas (July 12).
- Regional Diagenesis and Porosity Evolution of the Upper Jurassic Haynesville Limestones, East Texas***. Amoco Production Co., Houston, Texas (March 22).
- Holocene and Pleistocene Geology of the Turks and Caicos Islands, British West Indies***. Canadian Hunter Ltd., Calgary, Canada (February 23).
- Regional Facies and Porosity Trends, Haynesville Limestone, East Texas***. OXY USA, Houston, Texas (January 18).

- 1988** ***Results of Current Research on Caicos Platform, British West Indies.***
Chevron U.S.A., Midland, Texas (October 18).
- Regional Facies and Porosity Relationships in Jurassic Haynesville Limestones of East Texas.*** East Texas Geological Society, Tyler, Texas (October 11).
- Regional Facies and Porosity Relationships in Jurassic Haynesville Limestones of East Texas.*** Dallas Geological Society, Dallas, Texas (October 11).
- Alternative Models of Carbonate Deposition, Caicos Platform, British West Indies.*** Sedimentology Group, Canadian Society of Petroleum Geologists, Calgary, Canada (May 9).
- Facies Relationships and Porosity Development in Jurassic Haynesville Limestones, East Texas.*** Marathon Oil Company, Houston, Texas (February 11).
- 1987** ***Alternative Bahamian Models of Carbonate Deposition from Caicos Platform, British West Indies.*** Marathon Oil Company, Denver, Colorado (October 8).
- Alternative Models of Carbonate Deposition based on the Modern Caicos Platform.*** Union Pacific Resources Company, Denver, Colorado (October 14).
- Reservoir Microporosity and Sulfide Mineralization - Implications for Deep Secondary Porosity Development in Jurassic Haynesville Limestones, East Texas.*** Marathon Oil Company, Denver, Colorado (October 21).
- Columnar Stromatolites: A Re-Evaluation of Their Environmental Significance.*** Rice University Department of Geology and Geophysics Seminar Series, Houston, Texas (September 16).
- Regional Facies and Porosity Relationships in Jurassic Haynesville Limestones of East Texas.*** Houston Geological Society Dinner Meeting, Houston, Texas (April 13).
- Holocene and Pleistocene Sedimentary Environments of Caicos Platform, British West Indies.*** Esso Resources Canada, Calgary, Canada (February 19).
- 1986** ***Hardened Subtidal Columnar Stromatolites, Bahamas: Setting and Petrography.***
Symposium: Controls on Composition and Form of Columnar Stromatolites, Society of Economic Paleontologists and Mineralogists Third Annual Mid-Year Meeting, Raleigh, North Carolina (September 26).

Hydrocarbon Influences on Deep Burial Secondary Porosity Development: Jurassic Haynesville Limestone Case Study. Society of America, Penrose Conference on Reservoir Diagenesis, Cannes, France, June 10 (Talk given by G. M. Lafon).

Burial Diagenesis and Creation of Microporosity in Jurassic Haynesville Limestones, East Texas. Carbonate Research Group, Society of Economic Paleontologists and Mineralogists, Atlanta, Georgia (June 17).

Burial Diagenesis of the Jurassic Haynesville Formation, East Texas. University of Houston, Department of Geology Seminar Series, Houston, Texas (February 21).

1985 ***Marine Geology of Caicos Bank, British West Indies.*** Rice University Department of Geology and Geophysics Seminar Series, Houston, Texas (October 16).

Pervasive Deep Burial Secondary Porosity in Jurassic Haynesville Limestones, East Texas. Society of Economic Paleontologists and Mineralogists, Research Conference on Spar Cements and Secondary Porosity in Carbonate Rocks, Cancun, Mexico (August 28).

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Pervasive Deep Burial Secondary Porosity in Upper Jurassic Haynesville Limestones, East Texas. Exxon Production Research Company Forum Talk, Houston, Texas (April 4).

Applications of Fluorescence Microscopy in Studying Carbonate Facies and Diagenesis. University of Miami, Department of Marine Geology Seminar, Miami, Florida (March 14).

Pervasive Deep Burial Secondary Porosity in Upper Jurassic Haynesville Limestones, East Texas. Exxon Company USA, Gulf Coast Division, Houston, Texas (January 30).

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1984 ***Applications of Fluorescence Microscopy.*** Exxon Production Research Company Forum Talk, Houston, Texas (March 8).

1983 ***Oolitic Sand Deposition and Diagenesis.*** University of Tubingen, Tubingen, West Germany (November 4).

Diagenesis and Geochemistry of the Austin Chalk Formation, South Texas and Mexico. Rice University, Department of Geology, Houston, Texas (April 7).

- Limestone Diagenesis and Porosity Evolution.*** Exxon Production Research Company Forum Talk, Houston, Texas (January 12).
- 1982** ***Depositional Setting and Porosity Evolution of the Upper Cretaceous Austin Chalk Formation, South Central Texas.*** New Orleans Geological Society, New Orleans, Louisiana (October 4).
- Depositional Setting and Porosity Evolution of the Upper Cretaceous Austin Chalk Formation, South Central Texas.*** Southern Methodist University, Department of Geology Seminar Series, Dallas, Texas (March 4).
- Depositional Setting and Porosity Evolution of the Upper Cretaceous Austin Chalk Formation, South Central Texas.*** Austin Geological Society, Austin, Texas (March 1).
- 1981** ***Depositional Setting and Porosity Evolution of the Upper Cretaceous Austin Chalk Formation, South Central Texas.*** South Texas Geological Society, San Antonio, Texas (November 30).
- Depositional Setting and Porosity Evolution of the Upper Cretaceous Austin Chalk Formation, South Central Texas.*** Corpus Christi Geological Society, Corpus Christi, Texas (October 13).
- Depositional Setting and Porosity Evolution of the Upper Cretaceous Austin Chalk Formation, South Central Texas.*** Houston Geological Society Dinner Meeting, Houston, Texas (September 14).
- 1980** ***Pressure Solution Effects in Chalks and Their Implications for Reservoir Quality.*** Geological Society of America, Penrose Conference on Pressure Solution, New Paltz, New York (May 19).
- Diagenesis of the Austin Chalk in South Texas.*** University of Houston, Symposium on Chalks: Their Origin and Diagenesis, Houston, Texas (March 14).
- Sedimentology and Diagenesis of the Upper Cretaceous Austin Chalk Formation, South Texas.*** Exxon Production Research Company Forum Talk, Houston, Texas (February 28).
- 1979** ***Sedimentological and Diagenetic Attributes of Depositional and Diagenetic Chalks.*** Esso Resources Canada, Ltd., Calgary, Alberta, Canada (September 26).
- Depositional Setting and Diagenesis of Modern Bahamian Oolitic Sand Bodies.*** Esso Resources Canada, Ltd., Calgary, Alberta, Canada. (September 26).
- 1977** ***Holocene Cementation of Oolitic Banks in the Bahamas.*** Rice University, Symposium on Carbonate Cementation, Houston, Texas (December 15).

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- 1986 *Tertiary Carbonate Plays of Southeast Asia.* Exxon Production Research Company, Research Application Report.
- 1985 (with J. E. Yanguas). *Blue Fluorescent Dye Technique for the Recognition of Microporosity in Sedimentary Rocks.* Exxon Production Research Company, Research Report, 15 p.
- (with J. C. Wendte, F. A. Stoakes and D. A. Yurewicz). *Use of Parasequences in Constructing Models of Carbonate Reservoirs: Devonian and Triassic Carbonate Pools of Western Canada.* Exxon Production Research Company, Research Report, 43 p.
- Diagenesis and Porosity Evolution of Jurassic Haynesville Core Samples from the Exxon #1 Bilsing well, Robertson County, Texas.* Exxon Production Research Company, Research Application Report.
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- Facies, Diagenesis and Porosity Relationships Determined from Well Cuttings (Jurassic - Bathonian), English Channel Well 99/12-1.* Exxon Production Research Company, Research Application Report.
- 1983 *Limestone Diagenesis and Porosity Evolution.* IN: Carbonate Exploration, Exxon Production Research Company, Special Report, Chapter VII, p. 63-129
- Depositional Chalk Plays.* IN: Carbonate Exploration, Exxon Production Research Company, Special Report, Chapter IX, p. 1-56.
- (with P. M. Kroopnick and T. S. Loutit). *The Application of Oxygen and Carbon Isotopes of Carbonates and other Minerals to Petroleum Exploration.* Exxon Production Research Company, Special Report, 62 p.
- (with D. A. Yurewicz) *Improved Interpretation of Carbonate Facies and Diagenetic History with Fluorescence Microscopy: Preliminary Report.* Exxon Production Research Company, Research Report, 29 p.
- 1981 *Description, Facies, Diagenesis and Reservoir Quality of Upper Cretaceous Deposits in Lagoven Well UD-112, Lake Maracaibo, Western Venezuela.* Exxon Production Research Company, Research Application Report, 39 p.
- Description, Facies, Diagenesis and Reservoir Quality of Cretaceous Deposits in Lagoven Well UD-102, Lake Maracaibo, Western Venezuela.* Exxon Production Research Company, Research Application Report, 55 p.

Description, Facies, Diagenesis and Reservoir Quality of Cretaceous Deposits in Lagoven Well UD-239, Lake Maracaibo, Western Venezuela. Exxon Production Research Company, Research Application Report, 63 p .

Description, Facies, Diagenesis and Reservoir Quality of Cretaceous Deposition in Lagoven Well UD-120, Lake Maracaibo, Western Venezuela. Exxon Production Research Company, Research Application Report, 73 p.

Description, Facies, Diagenesis and Reservoir Quality of Cretaceous Deposition in Lagoven Well UD-149, Lake Maracaibo, Western Venezuela. Exxon Production Research Company, Research Application Report, 91 p.

Geology and Reservoir Quality of Cored Cretaceous Deposits from the West And East Urdaneta Fields of Lake Maracaibo, Western Venezuela: Summary Report. Exxon Production Research Company, Research Application Report, 35 p.

1980 (with H. R. Wanless and D. A. Yurewicz). *Guidebook for the Study of Modern and Pleistocene Carbonate Sediment, Bahama Banks and South Florida.* Exxon Production Research Company, 257 p. (Training Manual).

Advanced Carbonate Facies School, Pt. 1. A Guide to Field Stops in the Bahamas and Florida. Exxon Production Research Company, Training Manual.

Advanced Carbonate Facies School, Pt. II. Ancient Field Guide. Exxon Production Research Company, Training Manual.

Description, Facies, Diagenesis and Reservoir Quality of the Cretaceous James Limestone in the Exxon J. C. Brown # 2 Well, Carthage Field, Panola County, Texas. Exxon Production Research Company, Research Application Report.

1979 *Description, Facies, Diagenesis and Reservoir Quality of the Cretaceous James Limestone in the Exxon W. R. Banks #2 Well, Carthage Field, Panola County, Texas.* Exxon Production Research Company, Research Application Report.

1978 *Petrographic Study of Cretaceous Shuaiba Zone Limestones (Subzones I, H',H, C0), Bu Hasa Field, Abu Dhabi.* Exxon Production Research Company, Research Application Report.

OTHER EXXON ACTIVITIES:

1982-1983 Developed and organized Exxon's Corporate-Wide Symposium on Carbonate Exploration (conducted 2/28-3/4, 1983).

1981-1985 Primary company representative to the University of Miami's Comparative Sedimentology Laboratory, Miami, Florida.

1980-1982 Primary company representative to the Louisiana State University's Applied Carbonate Research Program, Baton Rouge, Louisiana.

EXXON COMPANY TRAINING RECEIVED

Basic Well Logging
Petroleum Geochemistry
Management of Research Projects
Basic Geophysics
Advanced Stratigraphic Concepts
Coring and Core Analysis School
SAS Basics and Graphics School

PROFESSIONAL MEETINGS

2020 American Association of Petroleum Geologists, Houston, Texas.
2017 American Association of Petroleum Geologists, Houston, Texas.
2014 American Association of Petroleum Geologists, Houston, Texas
2011 American Association of Petroleum Geologists, Houston, Texas.
2008 American Association of Petroleum Geologists, San Antonio, Texas.
2006 American Association of Petroleum Geologists, Houston, Texas.
2004 American Association of Petroleum Geologists, Dallas, Texas.
Canadian Society of Petroleum Geologists Core Conference on Dolomites: The Spectrum, Mechanisms, Reservoir Development, Calgary, Canada.
2002 American Association of Petroleum Geologists, Houston, Texas.
Canadian Society of Petroleum Geologists Annual Meeting, Calgary, Canada
2000 "Bert Fest" Symposium honoring Bert Bally, Rice University, Houston, Texas.
1999 American Association of Petroleum Geologists, San Antonio, Texas.
1997 American Association of Petroleum Geologists, Dallas, Texas.
1996 American Association of Petroleum Geologists, San Diego, California.
1995 American Association of Petroleum Geologists, Houston, Texas.
Paleokarst Research Conference, San Salvador, Bahamas
1993 AAPG Hedberg Research Conference, Vail, Colorado.
SEPM Paleokarst Core Workshop, New Orleans, Louisiana.
1992 American Association of Petroleum Geologists, Calgary, Canada.
Geological Society of America Southwestern Sectional Meeting, Houston, Texas.
1991 Dolomieu Conference, Ortisei, Northern Italy.
American Association of Petroleum Geologists, Dallas, Texas.
Austin Chalk Exploration Symposium, San Antonio, Texas.
1990 American Association of Petroleum Geologists, San Francisco, California.
1989 28th International Geological Congress, Washington, D.C.
American Association of Petroleum Geologists, San Antonio, Texas.

- 1988** Society of Economic Paleontologists and Mineralogists Fifth Annual Mid-Year Meeting, Columbus, Ohio.
American Association of Petroleum Geologists, Houston, Texas.
- 1987** Society of Economic Paleontologists and Mineralogists Fourth Annual Mid-Year Meeting, Austin, Texas.
American Association of Petroleum Geologists, Los Angeles, California.
- 1986** Geological Society of America, San Antonio, Texas.
Society of Economic Paleontologists and Mineralogists Third Annual Mid-Year Meeting, Raleigh, North Carolina.
American Association of Petroleum Geologists, Atlanta, Georgia.
- 1985** American Association of Petroleum Geologists, New Orleans, Louisiana.
Society of Economic Paleontologists and Mineralogists Second Annual Mid-Year Meeting, Golden, Colorado.
Society of Economic Paleontologists and Mineralogists, Research Conference of Spar Cements and Secondary Porosity in Carbonate Rocks, Cancun, Mexico.
- 1984** American Association of Petroleum Geologists, San Antonio, Texas.
- 1983** American Association of Petroleum Geologists, Dallas, Texas.
Society of Economic Paleontologists and Mineralogists, Research Conference on Habitat of Oil, U.S. Gulf Coast, Houston, Texas.
Seminar on Stylolites, Abu Dhabi Reservoir Research Foundation, Abu Dhabi.
- 1982** Society of Economic Paleontologist and Mineralogists Research Conference, Jurassic of the U. S. Gulf Coast, Baton Rouge, Louisiana.
American Association of Petroleum Geologists, Calgary, Canada.
- 1981** American Association of Petroleum Geologists, San Francisco, California.
- 1980** Geol. Society of America, Penrose Conference on Pressure Solution, New Paltz, N.Y.
- 1979** American Association of Petroleum Geologists, Houston, Texas.
American Association of Petroleum Geologists, Research Conference on Burial Diagenesis, Tulsa, Oklahoma.
- 1976** American Association of Petroleum Geologists, New Orleans, Louisiana.
- 1975** American Association of Petroleum Geologists, Dallas, Texas.
- 1974** American Association of Petroleum Geologists, San Antonio, Texas.

FIELD TRIPS AND EXCURSIONS

Arizona: Grand Canyon (Precambrian Through Permian)

Bahamas: Eleuthera Bank and Island; Andros Island; New Providence Island; Joulter Cays; Lee Stocking Island and Exuma Cays; San Salvador (all Holocene and Pleistocene)

South Florida: Holocene and Pleistocene

Caicos Platform, British West Indies: Holocene and Pleistocene

Abu Dhabi: Holocene Sabkhas; Tertiary limestones

Eastern Australia: Great Barrier Reef (north and south trends)

Western Australia: Shark Bay (Holocene and Pleistocene); Lake MacLeod evaporites

Belize, Central America: Holocene Reefs

Death Valley, California: Holocene evaporites and playas.

Jamaica: Holocene Reefs; Pleistocene, Tertiary and Cretaceous Outcrops

Western Canada: Devonian and Mississippian Subsurface and Outcrops; Triassic Subsurface; Cambrian Outcrops

Southwestern Germany: Triassic and Jurassic Outcrops

Texas: Lower to Upper Cretaceous Subsurface and Outcrops; Ordovician, Pennsylvanian and Permian Outcrops and Subsurface; Cambrian Stromatolitic and Thrombolitic Mounds.

New Mexico: Mississippian, Pennsylvanian, and Permian (Outcrops and Subsurface)

Southern France: Aquitaine Basin (Jurassic and Cretaceous subsurface)

North Sea: Norwegian Sector Subsurface Chalks

China: Devonian and Mississippian Limestones and Tower Karst

Montana: Mississippian Ramp and Waulsortian Mound Outcrops

Mexico: Middle and Upper Cretaceous Outcrops; examined offshore fields in southern Mexico

Western Maryland: Cambro-Ordovician Outcrops

Northern Italy: Triassic Dolomites (southern Alps)

Tunisia: Cretaceous Subsurface

Newfoundland: Cambrian Archaeocyathid reefs; Cambro-Ordovician allochthonous slope deposits (Cow Head breccias) and shallow-marine cycles.

Labrador: Cambrian Archaeocyathid Reefs

Puerto Rico: Paleokarst Terrain

Qatar: Holocene Coastal Marine Carbonates and Sabkha Evaporites

1/2023