

Tucker Fox. Hentz

Professional Summary

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Professional Preparation

Academic Background

M.S. Geology, The University of Kansas, 1982

B.A., Cum Laude, Geology, Franklin and Marshall College, 1977

Professional Appointments

Present Position: Research Scientist Associate, Bureau of Economic Geology, The University of Texas at Austin (May 1982 - Present).

Geologist, Exxon Co., U.S.A., New Orleans, LA (October 1981 - March 1982).

Geologist, U.S. Geological Survey, Reston, VA (June 1980 - August 1980).

Geologist, U.S. Geological Survey, Reston, VA (January 1979 - August 1979).

Geologic Field Assistant, U.S. Geological Survey, Little Rock, Arkansas (June 1977 - August 1977).

Theses

Sedimentology and structure of Culpeper Group lake beds (Lower Jurassic) at Thoroughfare Gap, Virginia: Lawrence, Kansas, University of Kansas, M.S. thesis, 166 p., 1981

Continuing Education Courses Taken

Practical SeisWorks: Landmark, Houston, Texas, March 2003

StratWorks: Landmark, Houston, Texas, December 2002

Risk Analysis Surgical Theater Play Review: Rose and Associates, GCAGS Convention, Austin, Texas, October 2002

Areas of Expertise

Areas of Expertise

Continental depositional systems

Field mapping and stratigraphy

Sandstone petrology

Siliciclastic sequence stratigraphy

Awards

Awards and Honorary Societies

Fellow, Geological Society of America

Distinguished Service Award, Gulf Coast Association of Geological Societies, 2013

2012 BEG Publication Award: BEG Report of Investigations No. 275, 2012

Third Place, Gordon I. Atwater Best Poster Award for "Regional Lithostratigraphy of the Eagle Ford Shale", 2010

Wallace E. Pratt Award for best AAPG Bulletin article published in calendar year 2009, 2010

First Place, Thomas A. Philpott Excellence of Presentation Award, Gulf Coast Association of Geological Societies (GCAGS), 59th Annual Convention, Shreveport, Louisiana, 2009

First Place Poster Award, Gulf Coast Association of Geological Societies (GCAGS), 48th Annual Convention, Corpus Christi, Texas, 1998

Haworth Tuition Scholarship, The University of Kansas; Fall, 1980

Haworth Tuition Scholarship, The University of Kansas; Spring, 1980

Haworth Tuition Scholarship, The University of Kansas; Fall, 1979

Haworth Tuition Scholarship, The University of Kansas; Fall, 1977

Summer Field Geology Internship, U.S. Geological Survey-National Association of Geology Teachers; Summer, 1977

Service

External Committees Participation

Editor and Head of Editorial Board, GCAGS Journal, Gulf Coast Association of Geological Societies, 2011 - 2014

Editor, Transactions, 62nd Annual Convention, Austin, Texas, Gulf Coast Association of Geological Societies, 2012

Judge, Posters, 60th Annual GCAGS Convention, San Antonio, Texas October 12, 2010

General Technical Program Co-Chair, 2008 Annual Convention, San Antonio, Texas, American Association of Petroleum Geologists, 2007 - 2008

Co-Editor, Gulf Coast Association of Geological Societies Transactions 52nd Annual Convention, Austin, Texas, October, 2002

Conference Volume Technical Editor, 19th Annual Research Conference, Houston, Texas (December 5-8, 1999), Gulf Coast Section SEPM Foundation, 1999

Convenor and Co-Lecturer, Atlas of Northern Gulf of Mexico Gas and Oil Reservoirs: technology transfer seminar, Houston, Texas, Petroleum Technology Transfer Council and Bureau of Economic Geology, 1997

Co-editor, 1994 Transactions, Gulf Coast Association of Geological Societies, 1994

Co-leader of Field Trip, "Permo-Carboniferous Vertebrate Paleontology, Lithostratigraphy, and Depositional Environments of North-Central Texas, 49th Annual Meeting of the Society of Vertebrate Paleontology, Austin, Texas, 1989

Teaching and Advising

University Courses Taught

Regional lithostratigraphy of Eagle Ford Shale: Maverick Basin to East Texas Basin: presented to the industry representatives of the Mudrock Systems Research Laboratory, Austin, Texas, June 14, 2010.

Sequence stratigraphy, depositional fabric, and production controls of the Marmaton and Cleveland Formations, Anadarko Basin: presented to Bureau of Economic Geology Colloquium,

Austin, Texas, May 5, 2010.

Sequence stratigraphy, depositional fabric, and production controls of the Marmaton and Cleveland Formations, Anadarko Basin: presented at the Bureau of Economic Geology Colloquium, Austin, Texas, March 5, 2010.

Regional lithostratigraphic framework of the Eagle Ford Group, Maverick Basin (South Texas) to East Texas Basin (East Texas): presented to the industry representatives of the Mudrock Systems Research Laboratory, Austin, Texas, January 12, 2010.

New interpretations of reservoir architecture in East Texas field: Sequence stratigraphic and depositional perspectives: presented at BEG Colloquium, Austin, Texas, November 30, 2007.

Reservoir-scale depositional facies, trends, and controls on sandstone distribution of the Lower Atoka Group ("Bend Conglomerate"), Fort Worth Basin, Texas: presented at Bureau of Economic Geology Research Seminar, The University of Texas at Austin, Austin, Texas, April 13, 2007.

Sequence stratigraphic and seismic conceptualization of the Miocene succession, offshore Louisiana: implications for gas-resource development in mature fields of the Federal OCS, Starfak and Tiger Shoal fields: Bureau of Economic Geology research seminar, The University of Texas at Austin, Austin, Texas, February 2001.

Northern Gulf of Mexico gas and oil atlas: a significant new tool for offshore producers: Bureau of Economic Geology research seminar, Austin, Texas, February 1997.

Evidence for eustatic and tectonic control on the sequence stratigraphy of the Upper Pennsylvanian Cleveland Formation, western Anadarko Basin: Bureau of Economic Geology research seminar, Austin, Texas, April 1992.

Lithostratigraphy and depositional environments of Lower Permian red beds, North-Central Texas: Bureau of Economic Geology research seminar, Austin, Texas, February 1986.

Sedimentology and structure of Lower Jurassic lake beds in the Culpeper Basin, northern Virginia: Bureau of Economic Geology research seminar, Austin, Texas, October 1982.

Field Trips Leadership

Co-leader, Supplement to Guidebook 14, Field Trip to Pennsylvanian Depositional Systems: North-Central Area, Texas, October 8-10, 2009.

Co-leader, Permo-Carboniferous vertebrate paleontology, lithostratigraphy, and depositional environments of North-Central Texas: 49th Annual Meeting of the Society of Vertebrate Paleontology (October 31-November 1), Austin, Texas, November 1989.

Student Committee Supervision

Co-Supervisor, M.S. Thesis Committee, Merve Dokur, Reservoir Characterization of the Upper Cretaceous Woodbine Group in Northeast East Texas Field, Texas: The University of Texas at Austin, 2012

Presentations

Invited Presentations

A Proposed 4-Phase Workflow for Defining Permit-Ready Locations for Large-Volume CO₂ Injection and Storage: presented to American Geophysical Union, presented at AGU 2024 Conference, Washington, DC, December 11, 2024.

High-resolution facies distribution, structural controls on sedimentation, and production trends of the Pennsylvanian Bend Conglomerate, Boonsville field, Fort Worth Basin, Texas: presented to Abilene Geological Society, Abilene, Texas, April 19, 2018.

Upper Pennsylvanian and Lower Permian shelf-to-basin facies architecture and trends, Eastern

Shelf of the southern Permian Basin, West Texas: presented to SIPES, San Antonio Chapter, San Antonio, Tex., November 16, 2017.

Stratigraphic framework and depositional systems of the Canyon and Cisco Groups, Eastern Shelf of the Permian Basin: presented to SIPES (Austin Chapter), Austin, Tex., May 4, 2017.

Cleveland and Marmaton tight-gas sandstones: sequence framework, depositional facies, and production trends, northwest Anadarko Basin: presented to the Panhandle Geological Society, Amarillo, Texas, April 5, 2017.

New interpretations of reservoir architecture of the Upper Cretaceous Woodbine Group in East Texas field: Sequence stratigraphic and depositional perspectives: presented to SIPES, San Antonio Chapter, San Antonio, Tex., October 20, 2016.

New interpretations of reservoir architecture of the Upper Cretaceous Woodbine Group in East Texas field: sequence stratigraphic and depositional perspectives: presented to SIPES, Austin Chapter, Austin, Texas, May 5, 2016.

Presentations

A WORKFLOW FOR DOWN-SELECTING A CCS SITE: presented to Geological Society of America, South-Central Section, presented at 56th Annual Meeting - 2022, virtual; <https://doi.org/10.1130/abs/2022SC-373658>, March 14, 2022.

Lowstand deltas and incised valleys of the Tannehill sandstone (Cisco Group) of the southern Eastern Shelf of the Permian Basin, West Texas: presented at Gulf Coast Association of Geological Societies (GCAGS) and Gulf Coast Section of SEPM GeoGulf19 Houston 69th Annual Convention, Houston, Tex., October 24-25, 2019.

Shelf-to-basin architecture and depositional trends, Missourian-Wolfcampian strata of the Eastern Shelf of the southern Midland Basin, West Texas: presented at AAPG National Convention, San Antonio, Texas, May 21, 2019.

Lowstand deltas and incised valleys of the Tannehill sandstone (Cisco Group) of the southern Eastern Shelf of the Permian Basin, West Texas: presented at Southwest Section, AAPG, Irving, Tex., April 8-9, 2019.

Cleveland and Marmaton Tight-Gas Sandstones: Sequence Framework, Depositional Facies, and Production Trends, Northwest Anadarko Basin: presented to Tecolote Energy, Austin, Tex., February 12, 2019.

Lithofacies, structural controls on sedimentation, and production trends of the Pennsylvanian Bend conglomerate, Fort Worth Basin, Texas: presented to TECORP International, Austin, Tex., June 5, 2018.

Regional stratigraphic elements and depositional facies of the southern Eastern Shelf, West Texas: presented to Burnett Oil Co., Inc., Austin, Tex., June 1, 2018.

Depositional facies of the Cleveland and Marmaton Groups: a core study: presented to Latigo Petroleum, LLC, Austin, Tex., November 10, 2017.

Depositional systems and architecture of the Canyon and Cisco Groups, Eastern Shelf of the Permian Basin: presented at core workshop sponsored by the Bureau of Economic Geology and the Austin Geological Society, Austin, Texas, October 24, 2017.

Depositional history and sequence framework of the Upper Pennsylvanian Cleveland Formation, Anadarko Basin, Texas: presented to Latigo Petroleum, LLC, Austin, Tex., October 6, 2017.

Depositional framework of the Canyon and Cisco Groups (Upper Pennsylvanian - Lower Permian), southern part of the Eastern Shelf of the Midland Basin: presented to Pioneer Energy, Austin, Tex., October 27, 2016.

Depositional and stratigraphic perspectives of the King, Lower Hope, Upper Hope, and Tannehill

sandstones, Upper Pennsylvanian and Lower Permian strata of the southern half of the Eastern Shelf: presented to Williston Basin Exploration, Austin, Texas, September 2, 2016.

Systems tracts and reservoir sandstones in the upper Cleveland Formation, western Anadarko Basin, Texas and Oklahoma: presented to Peregrine Petroleum, Austin, Texas, July 1, 2016.

Regional survey of southern Eastern Shelf stratigraphy and depositional facies, West Texas: presented to Delta Oil & Gas Ltd., Austin, TX, June 10, 2016.

Upper Pennsylvanian and Lower Permian Shelf-to-Basin Facies Architecture and Trends, Eastern Shelf of the Southern Midland Basin, West Texas: presented to AAPG Southwest Section Annual Meeting, Abilene, Texas, April 11-12, 2016.

Stratigraphic and Depositional Context of the Eaglebine Play: Upper Cretaceous Woodbine and Eagle Ford Groups, Southwestern East Texas Basin: presented to Southwest Section AAPG, presented at 2015 AAPG Southwest Section Annual Meeting, Wichita Falls, Texas, April 13, 2015.

Regional sequence stratigraphic model of the Woodbine Group and East Texas field: presented at Austin Geological Society and East Texas Field Core Workshop, Austin, TX, May 19, 2014.

Depositional settings of the Upper Cretaceous Woodbine Group: "Eaglebine" play, southern East Texas Basin: presented to Society of Independent Professional Earth Scientists (SIPES), Austin Chapter, Austin, Texas, October 3, 2013.

Regional Woodbine facies tracts, central East Texas Basin to Edwards shelf edge: correlation challenges and effects of base-of-Austin Chalk unconformity: presented to Apache Corporation, Austin, Texas, April 17, 2013.

High-resolution facies distribution, structural controls on sedimentation, and production trends of the Pennsylvanian Bend Conglomerate, Boonsville field, Fort Worth Basin, Texas: presented to the Southwest Section AAPG annual convention, Fredericksburg, Texas, April 10, 2013.

High-resolution facies distribution, structural controls on sedimentation, and production trends of the Pennsylvanian Bend Conglomerate, Boonsville field, Fort Worth Basin, Texas: invited paper presented to the 2012 Dallas E&P Forum, Farmer's Branch, Texas, November 1, 2012.

Woodbine reservoir facies of East Texas field and the "Eaglebine" area, East Texas Basin: presented to Zone Energy, Austin, Texas, October 30, 2012.

Regional Lower Atoka (Bend Conglomerate) log correlations, depositional trends, and core expression: Fort Worth Basin, north Texas: presented to Vantage Energy LLC, Austin, Texas, October 6, 2012.

Potential source rocks and migration pathways to Woodbine and Eagle Ford sandstone reservoirs, southwestern East Texas Basin: presented to Sun Resources NL, Austin, Texas, June 11, 2012.

Woodbine Group sequence stratigraphy and depositional facies of distal fluvial-deltaic deposits, "Eaglebine" play, Leon County, Texas: presented at Sun Resources NL, Austin, Texas, May 9, 2012.

Regional stratigraphic distribution of the Pearsall Formation, Maverick Basin and San Marcos Arch: presented to Devon Energy Corporation, Austin, Texas, April 17, 2012.

Stratigraphy and mudrock distribution of the Pearsall Formation, Maverick Basin, South Texas: presented to Valence Operating Company, Austin, Texas, February 8, 2012.

Woodbine sandstone-reservoir characteristics and variability in East Texas field: presented to Dyersdale Energy LP, Austin, Texas, January 27, 2012.

Pennsylvanian (Desmoinesian, Missourian) stratigraphic attributes and challenges in the Anadarko Basin, Texas Panhandle: presented to Arete Resources, Austin, Texas, January 4,

2012.

Cleveland and Marmaton tight-gas sandstones: sequence framework, depositional facies, and production trends, northwest Anadarko Basin: invited talk presented to the Permian Basin Section SEPM, Midland, Texas, November 15, 2011.

Sequence-stratigraphic framework Upper Cretaceous lacustrine strata in the Qijia Depression, Songliao Basin, Northeast China: presented to representatives of the Research Institute of Petroleum & Development (RIPED), PetroChina, Austin, Texas, August 10, 2011.

Sequence stratigraphy, depositional settings, and production trends of the Middle and Upper Pennsylvanian Cleveland and Marmaton tight-gas sandstones, Northwest Anadarko Basin: invited talk presented to the Tulsa Geological Society, Tulsa, Oklahoma, May 10, 2011.

Wireline-log-based regional structure and stratigraphy of the Pearsall Formation: presented to the industry representatives of the Mudrock Systems Research Laboratory, Austin, Texas, March 9, 2011.

Sequence stratigraphy, depositional setting, and play attributes of the Pennsylvanian Marmaton sandstones, northwestern Anadarko Basin: presented to Devon Energy Corporation, Austin, Texas, February 1, 2011.

Regional Eagle Ford Shale, Maness Shale, and Woodbine Group lithofacies in the East Texas Basin and northern San Marcos Arch: presented to Murphy Exploration & Production Company, Austin, Texas, January 25, 2011.

New interpretations of reservoir architecture of the Upper Cretaceous Woodbine Group in East Texas field: presented to representatives of RIPED (Chinese National Oil Company), Austin, Texas, November 18, 2010.

Stratigraphic complexities in the Kinney lease, East Texas field: local delta-abandonment surfaces in the highstand "stringer" zone: presented to Basa Resources, Inc., Austin, Texas, October 22, 2010.

Regional Eagle Ford lithostratigraphy, Maverick Basin to Sabine Uplift: presented to Basa Resources, Inc., Austin, Texas, October 21, 2010.

The Eagle Ford system, stratigraphy, rock attributes, pore character, geophysics, and geochemistry: presented (with Stephen C. Ruppel) to the industry representatives of the Mudrock Systems Research Laboratory, Austin, Texas, June 14, 2010.

Cleveland and Marmaton tight-gas reservoirs (Pennsylvanian), northwest Anadarko Basin: Sequence stratigraphy, depositional framework, and production controls on tide-dominated systems: invited talk presented to the Houston Geological Society, Houston, Texas, May 26, 2010.

Sequence-stratigraphic framework, type logs, and correlation tops in the Cleveland Formation play area: Ochiltree and Lipscomb Counties, Texas, and Ellis County, Oklahoma: presented to Cordillera Energy, Austin, Texas, May 12, 2010.

Review of drilling opportunities in the Woodbine Group of Montcrief survey, East Texas field: presented to Danmark Energy, L.P., Austin, Texas, May 11, 2010.

Sequence stratigraphy and depositional fabric of the Marmaton and Cleveland Formations, Anadarko Basin: presented at PTTC Texas/Southern New Mexico Region workshop, Sequence Stratigraphy, Depositional Systems, and Production Trends in the Atoka Series and Mid-Pennsylvanian Cleveland and Marmaton Formations, Western Anadarko Basin: Core Workshop, Dallas, Texas, November 10, 2009.

Sequence stratigraphy, depositional systems, and production trends in the Atoka Series and Mid-Pennsylvanian Cleveland and Marmaton Formations, western Anadarko Basin: presented at PTTC Texas/Southern New Mexico Region workshop, Dallas, Texas, November 10, 2009.

Reservoir framework of Woodbine Group stringer sands of the southwest Castleberry Survey, East Texas field: presented to Basa Resources, Inc., Austin, Texas, September 17-18, 2009.

Sequence stratigraphy, reservoir attributes, and production trends of the Atoka Group and Cleveland Formation: presented to Jones Energy, Austin, Texas, June 24, 2009.

New sequence stratigraphic and depositional perspectives on reservoir architecture of the Upper Cretaceous Woodbine Group in East Texas field: presented to the Dallas Geological Society, Dallas, Texas, May 12, 2009.

New sequence stratigraphic and depositional perspectives on reservoir architecture of the Upper Cretaceous Woodbine Group in East Texas field: presented to the Dallas Geological Society, Dallas, Texas, May 12, 2009.

Regional sequence and reservoir framework, Cleveland tight-gas sandstone play, northwest Anadarko Basin: presented to Texas American Resources Company, Austin, Texas, April 28, 2009.

Overview of Cleveland tight-gas sandstone project, Anadarko Basin: presented to Texas American Resources Company, Austin, Texas, April 8, 2009.

Cleveland-reservoir attributes of the Jones Energy focus area, central Lipscomb County: presented to Jones Energy, Austin, Texas, March 25, 2009.

Core workshop: Atoka and Cleveland intervals of the northwest Anadarko Basin: presented to Jones Energy, Austin, Texas, December 17, 2008.

Sequence stratigraphic model of East Texas field: presented to PTTC Texas/Southern New Mexico Region workshop, Sequence Stratigraphy and Depositional Systems of the Woodbine Group in East Texas Field: Core Workshop, Houston, Texas, November 18, 2008.

Sequence stratigraphy and depositional systems of the Woodbine Group in East Texas field: presented at PTTC Texas/Southern New Mexico Region workshop, Houston, Texas, November 18, 2008.

New interpretations of reservoir architecture of the Upper Cretaceous Woodbine Group in East Texas field: sequence stratigraphic and depositional perspectives: presented to the Houston Geological Society, Houston, Texas, November 11, 2008.

New interpretations of reservoir architecture of the Upper Cretaceous Woodbine Group in East Texas field: sequence stratigraphic and depositional perspectives: presented to the Houston Geological Society, Houston, Texas, November 11, 2008.

Detailed sequence-stratigraphic context of Cleveland Formation reservoirs, east-central Lipscomb County, Texas: presented to Jones Energy, Austin, Texas, November 7, 2008.

Mid-project results of the Cleveland and Marmaton tight-gas sandstones, northwest Anadarko Basin: presented to Jones Energy, Austin, Texas, October 30, 2008.

Depositional facies, reservoir distribution, and infield potential of lower Atoka Bend Conglomerate, Boonsville field, Fort Worth Basin, Texas: a new look at an old play: presented on Industry Day, Bureau of Economic Geology, Austin, Texas, April 29, 2008.

Introduction to sequence stratigraphy, with application to the East Texas field: presented to PTTC Texas/Southern New Mexico Region workshop, Pilot Study of the East Texas Field: Geology, Engineering, and Potential Exploitation, Kilgore, Texas, October 30, 2007.

Pilot study of East Texas field: geology, engineering, and potential exploitation workshop: presented at PTTC Texas/Southern New Mexico Region workshop, Kilgore, Texas, October 30, 2007.

Woodbine stratigraphy and depositional systems: northern pilot area, East Texas field: presented to PTTC Texas/Southern New Mexico Region workshop, Pilot Study of the East

Texas Field: Geology, Engineering, and Potential Exploitation, Kilgore, Texas, October 30, 2007.

Sequence stratigraphy of the Woodbine Group of the East Texas field: presented at the East Texas Engineers Association Annual Meeting, Kilgore, Texas, October 10, 2007.

Woodbine depositional systems: pilot area, East Texas field: presented at the East Texas Engineers Association Annual Meeting, Kilgore, Texas, October 10, 2007.

Depositional facies, reservoir distribution, and infield potential of the lower Atoka Group (Bend Conglomerate) in Boonsville field, Fort Worth Basin, Texas: new look at an old play: presented at American Association of Petroleum Geologists Annual Convention, Long Beach, California, April 2007.

Reservoir depositional facies, trends, and controls on sandstone distribution of the lower Atoka Group ("Bend Conglomerate"), Fort Worth Basin, Texas: presented at American Association of Petroleum Geologists Annual Convention, Long Beach, California, April 2007.

Miocene depositional and chronostratigraphic framework: relation to potential gas exploration in the Burgos Basin, northeastern Mexico: presented to Pemex, Reynosa, Mexico, 2005.

Miocene depositional and chronostratigraphic framework: relation to potential gas exploration in the Burgos Basin, northeastern Mexico: presented at American Association of Petroleum Geologists Annual Convention, 2004.

Miocene play definition and chronostratigraphic framework of the Burgos Basin, northeastern Mexico: presented at American Association of Petroleum Geologists International Conference & Exhibition, Cancun, Mexico, 2004.

Exploring nontraditional hydrocarbon traps for resource additions in the shallow Gulf of Mexico shelf, U.S.A.: presented at Gulf Coast Association of Geological Societies 52nd Annual Convention, Austin, Texas, October 2002.

Sequence stratigraphy and hydrocarbon distribution of Miocene plays: a case study from Starfak and Tiger Shoal fields, offshore Louisiana: presented at American Association of Petroleum Geologists Annual Convention, Houston, Texas, March 2002.

3-D seismic expression of high-frequency sequence stratigraphy in Vermilion Block 50-Tiger Shoal area, offshore Louisiana: presented at American Association of Petroleum Geologists Annual Convention, Denver, Colorado, June 2001.

Controls on hydrocarbon distribution within a sequence-stratigraphic framework: a case study from the Miocene of offshore Louisiana: presented at American Association of Petroleum Geologists Annual Convention, Denver, Colorado, June 2001.

Production prediction and reservoir characterization of systems tracts of fourth-order sequences in the Miocene offshore Louisiana: presented at American Association of Petroleum Geologists Annual Convention, Denver, Colorado, June 2001.

Seismic sedimentology by stratal slicing of fluvial and shallow-marine depositional system in Pliocene, offshore Louisiana: presented at American Association of Petroleum Geologists Annual Convention, Denver, Colorado, June 2001.

Play concepts and data compilation for the offshore Gulf of Mexico atlases: presented to the Geospatial Information and Technology Association, Houston, Texas, June 29, 1998.

Geologic context and overview of the Waha-Lockridge project: presented to the workshop, "Integrated strategies for carbonate reservoir reserve growth: an example from the Ellenburger Group, Permian Basin, West Texas,": sponsored by the Gas Research Institute; U.S. Department of Energy; Bureau of Economic Geology, The University of Texas at Austin; and the Petroleum Technology Transfer Council, Houston, Texas, June 25, 1998.

Incentive for offshore gas and oil production: the offshore atlas project: presented at the

Production Incentives and Technology Transfer Seminars, sponsored by the Petroleum Technology Transfer Council and the Railroad Commission of Texas, Corpus Christi, Texas, November 5, 1997.

The northern Gulf of Mexico atlas project: play synthesis of 10,000 offshore reservoirs: presented to the Austin Geological Society, Austin, Texas, November 3, 1997.

Convenor and co-lecturer, Atlas of northern Gulf of Mexico Gas and Oil Reservoirs: technology transfer seminar: sponsored by the Petroleum Technology Transfer Council and the Bureau of Economic Geology, Houston, Texas, August 19, 1997.

Atlas of northern Gulf of Mexico gas and oil reservoirs: presented to the Gas Research Institute project advisors group, Oklahoma City, Oklahoma, July 22, 1997.

Key-well concept and other aspects of stratigraphic analysis of the Wilcox Lobo play: presented to Wilcox Lobo operators, Houston, Texas, May 25, 1995.

Regional overview of the structure and depositional facies of the Cleveland Formation: presented to the Cleveland Development Forum sponsored by the Society of Petroleum Engineers, Society of Professional Well Log Analysts, Panhandle Geological Society, and Amarillo Geophysical Society, Amarillo, Texas, March 28, 1995.

Regional diagenesis, reservoir hydrodynamics, and hydrochemical-facies and gas-composition mapping of the Wilcox Lobo trend, South Texas: presented to Wilcox Lobo operators, Houston, Texas, September 15, 1994.

Ozona Canyon sandstone composition and diagenesis: presented to Canyon Sandstone Workshop, Midland, Texas, April 6, 1994.

Sequence stratigraphy of the Middle to Upper Pennsylvanian Cleveland and Marmaton siliciclastics, western Anadarko Basin, Texas Panhandle: presented to the North Texas Geological Society, Wichita Falls, Texas, January 21, 1993.

Bone beds of the Permian Red Beds, North-Central Texas: presented to the Central Texas Paleontological Society, Austin, Texas, March 19, 1992.

Activities of a Professional Nature

Professional Societies

American Association of Petroleum Geologists

Geological Society of America

Society of Economic Paleontologists and Mineralogists

Activities of a Professional Nature

Hentz, T. F., 2006, Unit history of the Maryland and Virginia Rifle Regiment (1776-1781): Insights from the service record of Capt. Adamson Tannehill: Military Collector & Historian, v. 58, no. 3, p. 129-144.

Hentz, T. F., 2009, Use of longarms by commissioned officers in Continental Army rifle units, 1775-1779: Military Collector & Historian, v. 61, no. 1, p. 12-18.

Publications

Peer Reviewed Authored Books

Ambrose, W. A., Hentz, T. F., Rogers, H., and Carr, D. L., 2024, Regional and local variability in lowstand valley fill and deltaic deposits in the Tannehill sandstone (Cisco Group), Eastern Shelf of the Permian Basin: Austin, Tex., The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations, v. 290, 48 p., <http://doi.org/10.23867/RI0290D>.

Ambrose, W. A., Hentz, T. F., and Smith, D. C., 2022, Facies variability and geologic controls on

reservoir heterogeneity in deepwater slope reservoirs in the Pennsylvanian Cisco Group, Lake Trammel South field, Nolan County, Texas: Austin, Tex., The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations, v. 288, 35 p., ISBN 978-1-970007-39-8, <http://doi.org/10.23867/RI0288D>.

Hentz, T. F., Ambrose, W. A., and Hamlin, H. S., 2017, Upper Pennsylvanian and Lower Permian shelf-to-basin facies architecture and trends, Eastern Shelf of the southern Midland Basin, West Texas: Bureau of Economic Geology, Report of Investigations, no. 282, 68 p.

Ambrose, W. A., Hentz, T. F., and Tussey, L. B., 2015, Pennsylvanian tidal depositional systems in the Anadarko Basin, northeast Texas Panhandle and northwest Oklahoma: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations, no. 280, 35 p.

Hentz, T. F., 2010, Sequence stratigraphy, depositional facies, and reservoir attributes of the Upper Cretaceous Woodbine Group, East Texas field: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations, no. 274, 114 p.

Peer Reviewed Journal Articles

Treviño, R. H., Hovorka, S. D., Dunlap, D. B., Larson, R. C., Hentz, T. F., Hosseini, S. A., Bhattacharya, S., and DeAngelo, M. V., 2024, A phased workflow to define permit-ready locations for large volume CO₂ injection and storage: *Greenhouse Gases Science and Technology*, v. 14, no. 1, p. 95-110, <http://doi.org/10.1002/ghg.2253>.

Ambrose, W. A., Hentz, T. F., and Smith, D. C., 2014, Facies variability and reservoir quality in the shelf-to-slope transition, Upper Cretaceous (Cenomanian) Woodbine Group, northern Tyler and southeastern Polk Counties, Texas, U.S.A: *GCAGS Journal*, v. 3, p. 1-19.

Hentz, T. F., Ambrose, W. A., and Smith, D. C., 2014, Eaglebine play of the southwestern East Texas basin: Stratigraphic and depositional framework of the Upper Cretaceous (Cenomanian-Turonian) Woodbine and Eagle Ford Groups: *AAPG Bulletin*, v. 98, no. 12, p. 2551-2580, <http://doi.org/10.1306/07071413232>.

Hentz, T. F., Ambrose, W. A., and Carr, D. L., 2012, Reservoir systems of the Pennsylvanian lower Atoka Group (Bend Conglomerate), northern Fort Worth Basin, Texas: high-resolution facies distribution, structural controls on sedimentation, and production trends: *AAPG Bulletin*, v. 96, no. 7, p. 1301-1332.

Ambrose, W. A., and Hentz, T. F., 2011, Depositional systems and facies variability in tidally modified shelf and estuarine systems in the Pennsylvanian Cleveland Formation, Anadarko Basin, North Texas and western Oklahoma, in Ambrose, W. A., ed., *Sequence stratigraphy, depositional systems, and hydrocarbon play analysis of the Pennsylvanian Cleveland Formation and Marmaton Group, Anadarko Basin, North Texas and western Oklahoma*: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations No. 275, p. 35-66.

Ambrose, W. A., Hentz, T. F., Carr, D. L., and Sprowl, J., 2011, Oil- and gas-production plays and trends in the Pennsylvanian Marmaton Group and Cleveland Formation, Anadarko Basin, North Texas and western Oklahoma, in Ambrose, W. A., ed., *Sequence stratigraphy, depositional systems, and hydrocarbon play analysis of the Pennsylvanian Cleveland Formation and Marmaton Group, Anadarko Basin, North Texas and western Oklahoma*: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations No. 275, p. 67-98.

Hentz, T. F., 2011, Chronostratigraphy and depositional history of the Pennsylvanian Marmaton Group and Cleveland Formation on a structurally complex shelf: western Anadarko Basin, Texas and Oklahoma, in Ambrose, W. A., ed., *Sequence stratigraphy, depositional systems, and hydrocarbon play analysis of the Pennsylvanian Cleveland Formation and Marmaton Group, Anadarko Basin, North Texas and western Oklahoma*: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations No. 275, p. 1-34.

Ambrose, W. A., and Hentz, T. F., 2010, Depositional systems and facies variability in highstand fluvial-dominated deltaic and lowstand valley-fill systems in the Lower Cretaceous

(Cenomanian) Woodbine Group, East Texas field, in Hentz, T. F., ed., Sequence stratigraphy, depositional facies, and reservoir attributes of the Upper Cretaceous Woodbine Group, East Texas field: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 274, p. 17-81.

Hentz, T. F., and Bonnaffe, Florence, 2010, Sequence stratigraphy of the Upper Cretaceous (Cenomanian) Woodbine Group: chronostratigraphic integration of the East Texas Basin and East Texas field, in Hentz, T. F., ed., Sequence stratigraphy, depositional facies, and reservoir attributes of the Upper Cretaceous Woodbine Group, East Texas field: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 274, p. 1-16.

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