

Ramón H. Treviño

Professional Summary

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Academic Background

B.S. Geology, Texas A&M University, Kingsville, 1983
M.S. Geology, University of Texas at Arlington, 1988
M.B.A. Business Management, University of Oklahoma, 1994

Areas of Expertise

- A. Sequence stratigraphic interpretations (well logs, 3-D seismic).
- B. Subsurface correlation and mapping (using workstation and PC) and subsurface structural interpretation (using 3-D seismic).
- C. Integrated reservoir characterization.

Professional Work Experience

- A. Present Position: Project Manager, Bureau of Economic Geology, The University of Texas at Austin (October 2007 - Present).

Manage two multi-million dollar studies dealing with geological sequestration of carbon dioxide. Oversee budgets, agreements with subcontractors, development and scheduling of scientific field experiments. Interpret stratigraphy and sedimentology of target sequestration reservoirs. Present results at professional meetings and in scientific publications..

- B. Research Scientist Associate III, Bureau of Economic Geology, The University of Texas at Austin (April 2000 - 2007).

Interpret and correlate wireline logs; interpret 3-D seismic data; generate subsurface geologic maps using PC- and workstation-based software. Supervise and direct the work of research assistants. Research on sequestration of carbon dioxide emissions.

Prepare final drafts for contract report investigations. Oral presentations of investigation results to contractors.

Provide other team members (other geologists, petrophysicists, geophysicists, and engineers) with geologic support. Transfer of technology, which can include translating the concepts being discussed or used in a particular project into Spanish for Spanish-speaking colleagues (non-UT employees).

Prepare reports of investigations for clients. Publish results of investigations. Make oral presentations of results.

C. Investor Services Representative, Janus (November 1999 - April 2000).

NASD Series 6 & Series 63 Licensed Representative. Provided information to investors about Janus mutual funds. Discussed with individual investors their financial needs and goals. Provided them with guidance as to options available to them in the Janus Family of Funds. Transacted trades (exchanges, purchases, redemptions) of clients' mutual fund shares in their Janus accounts. Acted as point person for investor concerns or problems regarding their accounts.

D. Research Scientist Associate III, Bureau of Economic Geology, The University of Texas at Austin (November 1995 - May 1999).

Interpreted and correlated subsurface well logs, interpreted 3-D seismic data, generated subsurface geologic maps using PC- and workstation-based software. Directed the work of Research Assistants.

Prepared final drafts for contract report investigations. Oral presentations of investigation results to contractors.

Provided other team members (other geologists, petrophysicists, geophysicists, and engineers having geologic data) with geologic support. Transfer of technology, which could include translating the concepts being discussed or used in a particular project into Spanish for Spanish-speaking colleagues (non-UT employees).

E. Exploration Geologist, Mobil E&P U.S., Inc., Oklahoma City, OK (August 1988 - July 1992).

Evaluated regional geologic potential for oil/gas generation. Evaluated specific areas for prospect status using geologic, geophysical, and geochemical tools. Monitored drilling of exploratory wells and evaluated their outcome. Presented individual and team research / conclusions (prospects) to local and corporate management. The evaluation / presentation material included geologic maps, cross sections, wireline logs, and seismic sections. Most of these materials were generated using various mainframe and PC software packages. I also acted as a mentor to student interns and a liaison for visiting foreign colleagues (because of my knowledge of foreign languages and cultures).

Professional Societies

American Association of Petroleum Geologists
Austin Geological Society
Geological Society of America
SEPM (Society for Sedimentary Geology)
SEPM, Gulf Coast Section
Society of Exploration Geophysicists

Professional Registrations

Texas Board of Professional Geoscientists #1490

Awards and Honorary Societies

Third Place, GCAGS Gordon I. Atwater Best Poster Award for Isochronous Correlation of Sandstone Facies within and between Growth-Faulted Frio Intraslope Sub-Basins: Common Correlation Pitfalls, 2004

Committee Responsibilities and Professional Activities

Treasurer, GCSSEPM Executive Council, Gulf Coast Section-SEPM, 2005 - 2008

Delegate, AAPG House of Delegates, American Association of Petroleum Geologists, 2003 - 2006

Treasurer, Gulf Coast Association of Geological Societies, 2002

Publications

Reports, Monographs, Brochures, Pamphlets, Bulletins

Hammes, Ursula, Loucks, R. G., Brown, L. F., Jr., Treviño, R. H., Montoya, Patricia, and Remington, R. L., 2007, Reservoir geology, structural architecture, and sequence stratigraphy of a growth-faulted subbasin: Oligocene Lower Frio Formation, Red Fish Bay Area, South Texas Gulf Coast: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 272, 28 p. + plate.

Articles

Peer Reviewed

Treviño, R. H., and Vendeville, B. C., 2008, Origin of coast-perpendicular extensional faults, western Gulf of Mexico: the relationship between an early-stage ridge and a late-stage fault: AAPG Bulletin, v. 92, no. 7, p. 951–964.

Brown, L. F., Jr., Loucks, R. G., Treviño, R. H., and Hammes, Ursula, 2006, Understanding growth-faulted, intraslope subbasins by applying sequence-stratigraphic principles: examples from the south Texas Oligocene Frio Formation: Reply: AAPG Bulletin, v. 90, no. 5, p. 799–805.

Brown, L. F., Jr., Loucks, R. G., and Treviño, R. H., 2005, Site-specific sequence-stratigraphic section benchmark charts are key to regional chronostratigraphic systems tract analysis in growth-faulted basins: AAPG Bulletin, v. 89, no. 6, p. 715–724.

Brown, L. F., Jr., Loucks, R. G., Treviño, R. H., and Hammes, Ursula, 2004, Understanding growth-faulted, intraslope subbasins by applying sequence-stratigraphic principles: examples from the south Texas Oligocene Frio Formation: AAPG Bulletin, v. 88, no. 1, p. 1501–1522.

Non-Peer-Reviewed

Hovorka, S. D., Meckel, Timothy, Treviño, R. H., Lu, Jiemin, Nicot, J. -P., Choi, Jong-Won, Freeman, D., Cook, P. G., Daley, Tom, Ajo-Franklin, J., Freifeld, Barry, Doughty, C. A., Carrigan, C. R., La Brecque, D., Kharaka, Yousif, Thordsen, J. J., Phelps, Tommy, Yang, Changbing, Romanak, Katherine, Zhang, Tongwei, Holt, R. M., Lindler, J. S., and Butsch, R. J., 2011, Monitoring a large volume CO₂ injection: year two results from SECARB project at Denbury's Cranfield, Mississippi, USA, *in* Energy Procedia, v. 4, Proceedings of 10th International Conference on Greenhouse Gas Control Technologies GHGT10, September 19–23, Amsterdam, The Netherlands, p. 3478–3485.

Hovorka, S. D., Choi, J. -W., Meckel, T. A., Treviño, R. H., Zeng, H., Kordi, M., Wang, F. P., and Nicot, J. -P., 2009, Comparing carbon sequestration in an oil reservoir to sequestration in a brine formation—field study, *in* Energy Procedia (v. 1, no. 1), Proceedings of 9th International Conference on Greenhouse Gas Control Technologies GHGT9, November 16–20, Washington D.C., p. 2051–2056.

Treviño, R. H., 2009, Only one..., *in* Laubach, S. E., and Tinker, S. W., eds., 2009, Earth's art: celebrating the Centennial of the Bureau of Economic Geology, 1909–2009: The University of Texas at Austin, Bureau of Economic Geology, p. 24–25.

Loucks, R. G., Treviño, R. H., Brown, L. F., Jr., and Hammes, Ursula, 2007, Site-specific sequence stratigraphic sections (S5 benchmark charts): practical tool for correlating chronostratigraphic

- units in the Texas Gulf Coast Tertiary section: Gulf Coast Association of Geological Societies Transactions, v. 57, p. 487–500.
- Treviño, R. H., Loucks, R. G., Gale, Julia F. W., and Abdelmoniem, A. K., 2007, Extending facies interpretations by integrating core, image-log, and wireline-log data in the Upper Cretaceous Olmos Formation of South Texas: Gulf Coast Association of Geological Societies Transactions, v. 57, p. 729–736.
- Hammes, Ursula, Loucks, Robert, Treviño, Ramón, and Brown, Frank, Jr., 2006, Fault compartmentalization of stacked sandstone reservoirs in growth-faulted subbasins: Oligocene Frio Formation, Red Fish Bay area, South Texas, *in* Reservoir characterization: integrating technology: Proceedings of the 26th Annual GCSSEPM Foundation Bob F. Perkins Research Conference, p. 631–650.
- Treviño, R. H., Brown, L. F., Jr., Loucks, R. G., and Hammes, Ursula, 2005, "Wheeler diagrams": a useful exploration tool in the Gulf of Mexico: Gulf Coast Association of Geological Societies Transactions, v. 55, p. 830–834.
- Hammes, Ursula, Loucks, R. G., Brown, L. F., Treviño, R. H., Remington, R. L., and Montoya, Patricia, 2004, Structural setting and sequence architecture of a growth-faulted lowstand subbasin, Frio Formation, South Texas: Gulf Coast Association of Geological Societies Transactions, v. 54, p. 237–246.
- Brown, L. F., Jr., Loucks, R. G., and Treviño, R. H., 2004, Correlating sandstones within and between growth-faulted intraslope subbasins; rules and common correlation pitfalls: Gulf Coast Association of Geological Societies Transactions, v. 54, p. 91–97.
- Treviño, R. H., Loucks, R. G., Brown, L. F., Jr., and Remington, R. L., 2003, General geology of the mid-Tertiary Block 889 field area, offshore Mustang Island, Texas: Gulf Coast Association of Geological Societies Transactions, v. 53, p. 802–814.
- Hovorka, S. D., Romero, M. L., Warne, A. G., Ambrose, W. A., Tremblay, T. A., and Treviño, R. H., 2000, A tool to facilitate modeling and pilot projects for sequestration of carbon dioxide in saline formations: American Chemical Society, Division of Fuel Chemistry, 6 p.
- Ambrose, W. A., Treviño, R. H., Agostini, Nelida, Akhter, M. S., Barba, R. E., Jr., Barrow, K. T., Delgado, Ismael, Dutton, S. P., Guevara, E. H., Leon, Alfredo, Medina, Mileida, Munoz, Pedro, Parra, Nestor, Raeuchle, S. K., and Wang, D. L., 1997, Structural and depositional controls on hydrocarbon production in estuarine, tidal-shelf, and valley-fill sequences in the Misoa Formation (Eocene), Maraven Bloque I Area, Lake Maracaibo, Venezuela: *Memorias del I Congreso Latinoamericano de Sedimentología*, Sociedad Venezolana de Geología, v. 1, p. 45–52.
- Treviño, R. H., Ambrose, W. A., Agostini, Nelida, Akhter, M. S., Delgado, Ismael, Guevara, E. H., Leon, Alfredo, Medina, Mileida, Munoz, Pedro, Parra, Nestor, and Raeuchle, S. K., 1997, Reservoir architecture of the VLA-6/9/21 Area, Lake Maracaibo, Venezuela, *in* Shanley, K. W., and Perkins, B. F., eds., *Shallow marine and nonmarine reservoirs: sequence stratigraphy, reservoir architecture and production characteristics*: Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation Eighteenth Annual Research Conference, p. 355–364.

Internet/Web Sites/Modules

- Hovorka, S. D., Romero, M. L., Warne, A. G., Ambrose, W. A., Tremblay, T. A., Treviño, R. H., and Sasson, D., 2000, Sequestration of greenhouse gases in brine formations: The University of Texas at Austin, Bureau of Economic Geology, hypertext publication at <http://www.beg.utexas.edu/environq/ty/co2seq/dispslsaln.htm>.

Abstracts

- Yang, Changbing, Romanak, Katherine, Lindler, J. S., Roecker, Frank, Hovorka, S. D., Treviño, R. H., Paine, J. G., Holt, B., Smith, L., Xia, Y., Smyth, R. C., and Rearick, Michael, 2011, Sensitivity of

- shallow groundwater systems to CO₂: case studies from the Cranfield and SACROC EOR fields, *in* Carbon and Capture Conference 6, Trondheim, Norway, June 14–16.
- Meckel, T., Treviño, R. H., Carr, D. L., and Young, M., 2011, Gulf of Mexico Miocene CO₂ site characterization mega transect (abs.), *in* Association of American State Geologists National Meeting, Dubuque, Iowa, June.
- Nicot, J. -P., Meckel, Timothy, and Treviño, R. H., 2011, Carbon storage options for the power industry in the Texas Gulf Coast area (abs.): American Association of Petroleum Geologists Annual Convention & Exhibition Abstracts Volume, v. 20, p. 131.
- Yang, C., Romanak, K., Hovorka, S. D., Reedy, R. C., Treviño, R. H., and Scanlon, B. R., 2010, Monitoring and modeling CO₂ dynamics in the vadose zone near an abandoned historic oil well: implications for detecting CO₂ leakage at geological CO₂ sequestration sites (abs.), *in* GSA Denver Annual Meeting, October 31–November 3, poster no. H33E-1202.
- Yang, Changbing, Romanak, Katherine, Hovorka, S. D., Reedy, R. C., Treviño, R. H., and Scanlon, B. R., 2010, Monitoring and modeling CO₂ dynamics in the vadose zone near an abandoned historic oil well: implications for detecting CO₂ leakage at geological CO₂ sequestration sites (abs.), *in* AGU Fall Meeting, San Francisco, December 13–17.
- Yang, C., Romanak, K. D., Hovorka, S. D., Linder, J., Smyth, R. C., Treviño, R. H., Paine, J. G., Holt, R. M., Smith, L. T., Xia, Y., and Lu, J., 2010, Geochemical characterization of shallow groundwater at the Cranfield aquifer and numerical simulation: can pH and carbonate parameters be used to detect potential CO₂ leakage at geological CO₂ sequestration sites? (abs.), *in* National Energy and Technology Laboratory (NETL) Annual Carbon Capture and Storage (CCS) Meeting, May 10–13, Pittsburgh.
- Kordi, M., Hovorka, S. D., Milliken, K., Treviño, R. H., and Lu, Jiemin, 2010, Diagenesis and reservoir heterogeneity in the lower Tuscaloosa Formation at Cranfield field, Mississippi (abs.): Gulf Coast Association of Geological Societies Transactions, v. 60, p. 809.
- Meckel, Timothy, Carr, D. L., and Treviño, R. H., 2010, An offshore carbon repository in Miocene strata under Texas State Waters, Gulf of Mexico Basin: initial results (abs.): Gulf Coast Association of Geological Societies Transactions, v. 60, p. 815.
- Yang, Changbing, Romanak, Katherine, Hovorka, S. D., Linder, J., Smyth, R. C., Treviño, R. H., Paine, J. G., Holt, B., Smith, L., Xia, Y., and Lu, Jiemin, 2010, Geochemical characterization of shallow groundwater at the Cranfield aquifer and numerical simulation: can pH and carbonated parameters be used to detect potential CO₂ leakage at geological CO₂ sequestration sites? (abs.) *In* Ninth Annual Conference on Carbon Capture & Sequestration, Pittsburgh, May 10–13, CD-ROM.
- Treviño, R. H., Ambrose, W. A., Meckel, Tip, Lu, Jiemin, Zeng, Hongliu, and Kordi, M., 2009, Sequence stratigraphy of the Tuscaloosa from Cranfield field, Mississippi—a carbon sequestration study from enhanced oil recovery operation (abs.): American Association of Petroleum Geologists Annual Convention, v. 18, p. 217.
- Meckel, Tip, Hovorka, S. D., and Treviño, R. H., 2009, Continuous real-time pressure monitoring during a CO₂-EOR project from Cranfield, MS, and relevance for geologic sequestration (abs.): American Association of Petroleum Geologists Annual Convention, v. 18, p. 141.
- Treviño, R. H., Hovorka, S. D., Ambrose, W. A., and Meckel, T. A., 2008, Sequence stratigraphy and reservoir characterization of Cranfield field, Mississippi—an enhanced oil recovery and carbon sequestration study (abs.): Geological Society of America Abstracts with Programs, v. 40.
- Treviño, R. H., Loucks, R. G., Gale, Julia F. W., and Abdelmoniem, A. K., 2007, Integration of core, image-log, and wireline-log extends facies interpretation in the Upper Cretaceous Olmos Formation of South Texas (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 16, p. 140.
- Hammes, Ursula, Loucks, Robert, Brown, Frank, Jr., and Treviño, Ramon, 2006, An integrated core study of Oligocene Frio Formation stacked sandstone reservoirs: Red Fish Bay Area, South Texas (abs.), *in* New E & P opportunities—case studies, bypassed pays, unconventional

resources and play openers, October 10, Houston: SIPES Houston Chapter, 2006 Continuing Education Seminar, p. 10–11.

- Hammes, Ursula, Loucks, R. G., Treviño, R. H., and Brown, L. F., Jr., 2006, Fault compartmentalization of stacked sandstone reservoirs in growth-faulted subbasins: Oligocene Frio Formation, Red Fish Bay Area, South Texas (abs.), *in* Slatt, R. M., Rosen, N. C., Bowman, Michael, Castagna, John, Good, Timothy, Loucks, Robert, Latimer, Rebecca, Scheihing, Mark, and Smith, Ru, eds., Reservoir characterization: integrating technology: Proceedings of the 26th Annual GCSSEPM Foundation Bob F. Perkins Research Conference, p. 19.
- Brown, L. F., Jr., Treviño, R. H., Loucks, R. G., and Hammes, Ursula, 2006, Wheeler diagrams: a useful exploration tool in the Gulf of Mexico (abs.): Gulf Coast Association of Geological Societies Transactions, v. 56, p. 823.
- Treviño, R. H., Brown, L. F., Jr., Loucks, R. G., and Hammes, Ursula, 2006, Sequence stratigraphic "Wheeler Diagrams" as exploration tools (abs.): Austin Geological Society Bulletin, v. 2, p. 22.
- Hammes, Ursula, Loucks, Robert, Fouad, Khaled, Treviño, Ramon, and Brown, Frank, 2006, Shale-ridge and fault geometries in growth-faulted subbasins along the central and south Texas Gulf Coast (abs.): American Association of Petroleum Geologists Annual Convention, v. 15, p. 41.
- Treviño, R. H., Brown, L. F., Jr., Loucks, R. G., and Hammes, Ursula, 2006, Using "Wheeler diagrams" as an exploration tool in the Gulf of Mexico (abs.): American Association of Petroleum Geologists Annual Convention, v. 15, p. 95.
- Zeng, Hongliu, Treviño, R. H., Brown, L. F., Jr., Loucks, R. G., and Hammes, Ursula, 2005, Seismic geomorphology of Oligocene lowstand systems tracts controlled by shale ridges and growth faults, offshore South Texas (abs.), *in* Davies, Richard, Posamentier, Henry, Cartwright, Joe, Wood, Lesli, Sare, Vickey, and Heinio, Paivi, technical convenors, Seismic geomorphology: applications to hydrocarbon exploration & production: Geological Society of London and SEPM (Society for Sedimentary Geology), unpaginated.
- Brown, L. F., Jr., Loucks, R. G., Treviño, R. H., and Hammes, Ursula, 2004, Role of lowstand deposition in mobilizing shale ridges that established successive shelf edges, Oligocene Frio Formation (32-23.6 Ma), Gulf of Mexico Basin, South Texas (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A18.
- Hammes, Ursula, Brown, L. F., Jr., Treviño, R. H., Remington, Randy, Loucks, R. G., and Montoya, Patricia, 2004, Gas reservoir compartmentalization in lowstand prograding-wedge deltaic systems: Oligocene upper lower Frio Formation, South Texas (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A57.
- Treviño, R. H., Brown, L. F., Jr., Loucks, R. G., and Hammes, Ursula, 2004, Sequence of the South Texas Oligocene: understanding the relationship between shale tectonism and lowstand deposition (abs.), *in* CCGS/CBGS Joint Meeting, Corpus Christi. Also in Bulletin of the Corpus Christi Geological Society and Coastal Bend Geophysical Society, December, p. 8, 10.
- Treviño, R. H., Vendeville, B. C., Loucks, R. G., Brown, L. F., Jr., Hammes, Ursula, Montoya, Patricia, and Remington, R. L., 2004, An example of slope-parallel shale ridge triggered by thin-skinned lateral extension, South Texas (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A140.
- Zeng, Hongliu, Brown, Frank, Loucks, R. G., Treviño, R. H., Hammes, Ursula, and Remington, Randy, 2004, Using seismic geomorphology to characterize depositional systems in Oligocene growth-faulted intraslope subbasins, offshore South Texas (abs.): American Association of Petroleum Geologists Annual Convention Abstracts Volume, v. 13, p. A154.
- Brown, L. F., Jr., Loucks, R. G., and Treviño, R. H., 2003, Revisiting mature fields with modern technology and geologic concepts: examples from the Frio of South Texas (ext. abs.), *in* Structure and stratigraphy of South Texas and northeast Mexico: applications to exploration: Gulf Coast Section SEPM Foundation and South Texas Geological Society, p. 289–291.
- Brown, L. F., Jr., Loucks, R. G., and Treviño, R. H., 2003, Sequences, depositional systems, and synsedimentary tectonics, Oligocene rocks, Corpus Christi region, South Texas: revisiting mature

- fields with new prospecting tactics (abs.): Austin Geological Society Newsletter, v. 37, no. 7, p. 12–13.
- Treviño, R. H., and Smith, C. I., 2003, Facies and depositional environments of the Boquillas Formation, Upper Cretaceous, southwest Texas (abs.): Austin Geological Society Newsletter, v. 37, no. 6, p. 13.
- Treviño, Ramón, Loucks, Robert, Remington, Randy, and Brown, L. F., 2003, Project STARR—State of Texas advanced oil and gas resource recovery program (abs.), *in* CD-ROM Transactions, Southwest Section American Association of Petroleum Geologists Convention, Fort Worth, Texas, March 1–5, unpaginated.
- Brown, L. F., Loucks, R. G., and Treviño, R. H., 2003, Using S5 benchmark wireline logs to characterize the sequence stratigraphy of depositional systems in growth-faulted intraslope basins (abs.): American Association of Petroleum Geologists Annual Convention Official Program, v. 12, p. A20.
- Treviño, R. H., Brown, L. F., and Loucks, R. G., 2003, Defining systems tracts and sequence stratigraphic architecture from well logs: example from the Oligocene/lower Miocene section, offshore Mustang Island, South Texas (abs.): American Association of Petroleum Geologists Annual Convention Official Program, v. 12, p. A172.
- Treviño, R. H., Brown, L. F., Jr., Loucks, R. G., and Remington, R. L., 2003, Sequence stratigraphy of Oligocene Frio and Anahuac strata, offshore Mustang Island, Texas: calibrating high-frequency sequence chronostratigraphy with international biostratigraphy and isotopic ages (abs.), *in* Segundo Simposio de Bioestratigrafía en la Exploración Petrolera de México y Exposición, June 19–21, Reynosa, Tamaulipas, México: PEMEX Exploración y Producción, unpaginated, CD-ROM.
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- Hammes, Ursula, Loucks, R. G., Brown, L. F., Jr., Treviño, R. H., Remington, R. L., and Montoya, Patricia, 2003, Sequence architecture and structural setting of a growth-faulted subbasin, Frio Formation, South Texas (abs.), *in* GSASW Growth Fault Symposium, College Station, Texas A&M University.
- Treviño, R. H., and Smith, C. I., 2002, Facies and depositional environments of the Boquillas Formation (abs.): American Association of Petroleum Geologists Annual Convention Program, v. 11, p. A177–A178.
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- Treviño, R. H., Ambrose, W. A., Akhter, M. S., Barba, R. E., Jr., and Parker, Dan, 1998, Reservoir characterization of the Lower Misoa Formation, Maraven, S.A., VLA-6/9/21 Area, Lake Maracaibo, Venezuela (abs.), *in* American Association of Petroleum Geologists Annual Convention Program, CD-ROM.
- Treviño, R. H., Hamilton, D. S., and Fimlay, Carlos, 1998, StratWorks and SeisWorks in a reservoir characterization study, South Lake Maracaibo, Venezuela (abs.), *in* Vision in action: Landmark Worldwide Technology Forum: Landmark, a Halliburton Company, unpaginated.
- Ambrose, W. A., Treviño, R. H., Parker, Dan, and Raeuchle, S. K., 1998, Application of Landmark software to document reservoir architecture from 3-D seismic data in Lake Maracaibo, Venezuela (abs.), *in* Vision in action: Landmark Worldwide Technology Forum: Landmark, a Halliburton Company, unpaginated.

Contract Reports

- Yang, C., Romanak, K. D., Hovorka, S. D., Paine, J. G., Lu, J., Treviño, R. H., Holt, R. M., and Linder, J., 2009, Phase III Task 9.1.3b: Surface monitoring plan, SECARB Phase III (early) Project at Cranfield: The University of Texas at Austin, Bureau of Economic Geology, technical report prepared for SECARB, 57 p.
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- Loucks, R. G., Treviño, R. H., Remington, R. L., Brown, L. F., Jr., Sakurai, Shinichi, Kane, J. A., Correa Vivar, Luciano, Montoya, Patricia, Acevedo, Jose, Mendez, D. L., and McDavid, Andrew, 2002, Project STARR: State of Texas advanced oil and gas resource recovery: The University of Texas at Austin, Bureau of Economic Geology, progress report prepared for Texas State Lands, 60 p.
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Unpublished Reports

Treviño, R. H., 1987, Petroleum potential of Paleozoic basins, worldwide: Mobil Oil Regional Geology Group, unpaginated.

Thesis

Facies and Depositional Environments of the Boquillas Formation, Upper Cretaceous of Southwest Texas: The University of Texas at Arlington, Master's thesis, 120 p., 1988.

Lecturing

BEG Colloquia

Stratigraphy, structure, and reservoir characteristics of the Block 889 Area, offshore Texas: Bureau of Economic Geology research seminar, The University of Texas at Austin, Austin, Texas, November 30, 2001.

Lectures and Addresses

Update on results of SECARB test of monitoring large-volume injection at Cranfield: presented to Project Interaction and Review Team (Carbon Sequestration Leadership Forum), Warsaw, Poland, October 6, 2010.

SECARB test at Cranfield, MS, USA—an update: presented to Technical Committee of the Carbon Sequestration Leadership Forum, Warsaw, Poland, October 7, 2010.

Can carbon capture and geologic storage mitigate greenhouse gases?: presented to the Biennial Alberta-Texas Global Climate Forum, Austin, Texas, April 7, 2010.

Gulf of Mexico mapping—NATCARB Atlas: presented to the NACAP (North America Carbon Atlas Partnership), Cuernavaca, Mexico, March 9, 2010.

Offshore geosequestration potential in the Gulf of Mexico: presented to the Geological Society, London, UK, March 25, 2010.

Gulf of Mexico mapping—NATCARB Atlas: presented to the NACAP (North America Carbon Atlas Partnership), Cuernavaca, Mexico, March 9, 2010.

Southeast Partnership early test update, Cranfield field, MS: presented at Eighth Annual Conference on Carbon Capture and Sequestration, Pittsburgh, Pennsylvania, May 6, 2009.

Geologic storage carbon dioxide (CO₂): presented to prospective JSG students, Austin, Texas, February 24, 2009.

Status update: SECARB III Cranfield, MS: presented at Southern States Energy Board Stakeholders' Meeting, Atlanta, Georgia, March 3, 2009.

Southeast Partnership early test update Cranfield field, MS: presented at the Eighth Annual Conference on Carbon Capture & Sequestration, Pittsburgh, Pennsylvania, May 6, 2009.

Geologic storage (almacenamiento geológico) of carbon dioxide (CO₂): presented at the JSG Latin American Forum, Austin, Texas, December 9, 2008.

Comparing carbon sequestration in an oil reservoir to sequestration in a brine formation- field study: presented at the GHGT-9 (Green House Gas Technology) Conference, Washington, D.C., November 16–20, 2008.

Sequence stratigraphy of the South Texas Oligocene: understanding the relationship between shale tectonism and lowstand deposition: presented at the North American Prospect Expo E&P Forum, Houston, Texas, August 22, 2007.

Tools of a petroleum geologist: presented to Austin Area Science Fair Earth Science Experiment students and parents at STARR work area, Austin, Texas, March 6, 2006.

Sequence stratigraphy of the South Texas Oligocene: the relationship between shale tectonism and lowstand deposition: presented to Austin SIPES, Austin, Texas, April 20, 2005.

Sequence stratigraphy of the South Texas Oligocene: understanding the relationship between shale tectonism and lowstand deposition: presented to Corpus Christi Geological Society, Corpus Christi, Texas, December 15, 2004.

Understanding growth-faulted, intraslope subbasins and associated reservoir targets by applying sequence stratigraphic principles: examples from the South Texas Oligocene Frio Formation: presented at the Houston Geological Society North American Explorations dinner meeting, Houston, Texas, September 27, 2004.

Mustang Island Block 889 overview: presented at PTTC-STARR Forum for State Waters Operators, at BEG HRC, Houston, Texas, June 15, 2004.

Annual Report of the Treasurer: presented at Gulf Coast Association of Geological Societies and Gulf Coast Section of SEPM 52nd Annual Convention, Austin, Texas, October 2002.

Public Outreach

Too much carbon in our atmosphere? Carbon sequestration—one option: presented to Coastab Bend Bays Foundation, Corpus Christi, Texas, February 9, 2009.

Early-stage ridge—late-stage fault: presented to Corpus Christi SIPES, Corpus Christi, Texas, April 21, 2009.

The Gulf Coast Carbon Center: enabling development of a carbon storage industry in the Gulf Coast: presented to Greater Houston Partnership, Houston, Texas, November 16, 2007.

K-12

Basics of geology and carbon sequestration: presented to Boy Scout Troop 385, Venado District of the South Texas Council, Boy Scouts of America, Kingsville, Texas, April 20, 2009.

Field Trips

Leader, GeoForce SW 10th Grade Academy Field Trip in the Southwestern United States: Jackson School of Geosciences Diversity Program, Zion & Grand Canyon National Parks, Nevada, Utah, Arizona, June 2008.

Leader, GeoForce SW Young Geoscientist 11th Grade Field Trip: Jackson School of Geosciences Diversity Program, Austin, Texas, June 2008.

Leader, GeoForce 10th Grade Academy Field Trip in the Southwestern United States: Jackson School of Geosciences Diversity Program, , Nevada, Utah, Arizona, June 2007.

Continuing Education-Short Courses

Petrel Intro Short Course: Schlumberger, Austin, Texas, April 2008

Introduction to GeoProbe: Landmark Graphics, Inc., Houston, Texas, July 2007

Core workshop: Deep-Water Reservoirs of California: from Core to Reservoir Characterization, Modeling and Production: PSAAPG/SEPM, Long Beach, California, April 2007

GESXplorer: Landmark Graphics, Houston, Texas, September 2005

Pennsylvanian adventures in Palo Pinto County: sedimentology and structure of terrestrial to shallow marine outcrop reservoir analogs, Pennsylvanian Mingus Formation, Mineral Wells, Texas: Dallas Geological Society, AAPG Annual Convention, Dallas, Texas, April 2004

SmartSection Training Course: A2D Technologies, Austin, Texas, February 2004

Using Core Data in Formation Evaluation: Core Lab Petroleum Services, Austin, Texas, March 2003

Fold-Thrust Belts: Petroleum Potential, Global Setting, Geodynamics: American Association of Petroleum Geologists, Austin, Texas, February 2003

Carbonate sequence stratigraphy and reservoir characterization: concepts and applications: Bureau of Economic Geology short course, The University of Texas at Austin, Drs. Scott Tinker and Charlie Kerans, instructors, Austin, Texas, May 2002

Sequence stratigraphy: GEO 380N: Department of Geological Sciences, The University of Texas at Austin, Austin, Texas, January 2002

Terrigenous clastic depositional systems and sequences—applications to reservoir prediction, delineation, and characterization: American Association of Petroleum Geologists, Shreveport, Louisiana, October 2001

Seismic/sequence stratigraphy: its role in petroleum exploration and development: Bureau of Economic Geology, The University of Texas at Austin, Austin, Texas, May 2001

Learning EarthCube: Landmark, Houston, Texas, October 2000

Miscellaneous Activities of a Professional Nature

Judge: Spicewood Elementary School Science Fair, February 2009

Judge, Spicewood Elementary School Science Fair, February 2008

Consultant for U.S. DOE, Yucca Mountain Project, External Criticality Group, 2002–2007

Judge, Oral SEPM Session (Processes and Modeling of Deep-Water Flows II), American Association of Petroleum Geologists Annual Convention, Long Beach, April 2007

Presenter for Earth Science Week middle school students, October 2006

Presentation on rocks to Kindergarten and 1st Graders at U.T. Child and Family Lab, Austin, June 2006

Presenter, Earth Science Week Middle Schoolers, October 2005

"Aquifer in a Tank" experiment presented to 5th graders from St. Andrew's School

Judge, 2004 Science Fair, Bryker Woods Elementary

Tour guide for Earth Science Week middle schoolers

Judge, Poster Session, 2003 Gulf Coast Association of Geological Societies Convention

Presentation on rocks to kindergarten and 1st graders, U.T. Child and Family Lab, June 2003

Tour guide for group of Kealing Jr. High 8th graders, 2003 Earth Science Week career fair

Judge, 2003 Science Fair, Bryker Woods Elementary

Judge, Oral Session, Role of Climate in a Sequence Stratigraphic Framework, 2004 American Association of Petroleum Geologists Annual Convention

Reviews of Articles, Abstracts, and Research Proposals

SEG (Society of Exploration Geophysicists) (Abstracts), 2007, 7

Bureau of Economic Geology (Peer reviewer of BEG Report of Investigations "Play Analysis and Digital Portfolio of Major Oil Reservoirs in the Permian Basin"), 2004