

**JOHN B. WAGNER**

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**CURRICULUM VITAE**

**EDUCATION**

- **B.S.** in Geology, Louisiana State University, Baton Rouge, Louisiana
- **M.S.** in Geology, Louisiana State University, Baton Rouge, Louisiana
- **Ph.D.** in Geology, The University of Texas at Dallas, Richardson, TX.

**WORK HISTORY**

- Chief Geologist, Nexen Petroleum U.S.A., Dallas, TX, June 2002 to present. Overall responsibility for managing and ensuring technical quality of geological and geophysical evaluation throughout the entire process of exploration and development projects, both shelf and deep-water environments. Responsibilities include providing technical expertise for depositional systems analysis, training, technical management of core projects, and teaching of field-based siliciclastic seminars for reservoir characterization.
- Research Associate Professor in Geology, Southern Methodist University, Dallas, Texas, March 2004 to present. Provide industry experience to departments program in the areas of applied depositional systems analysis and reservoir characterization of siliciclastic environments. Duties include teaching graduate level class in Sedimentary Systems, and mentoring of students for both thesis work and application of sedimentology and depositional systems analysis.
- Sedimentologist, Deep-water Exploration and Development, Nexen Petroleum U.S.A., Dallas, TX, December 2000 to June 2002. Primary roles and responsibilities are as sedimentologist/stratigrapher to interpret and provide technical expertise for depositional systems analysis with emphasis on 3D and 2D seismic evaluation of Nexen's deep-water exploration and development opportunities. Other responsibilities include training and teaching of field-based siliciclastic seminars for reservoir characterization. Current areas of investigation include the ultra deep-water environments of the Gulf of Mexico.
- Sedimentologist/Stratigrapher, Pioneer Natural Resources, Irving, TX, February 1998 to December 2000. Primary roles and responsibilities were as sedimentologist/stratigrapher to provide technical expertise for depositional systems analysis with emphasis on 3D and 2D seismic evaluation of Pioneer's exploitation and exploration assets and opportunities. Other responsibilities include training and teaching of siliciclastic seminars for reservoir characterization. Areas of investigation included both onshore and offshore Gulf of Mexico, Argentina, and South Africa.

## **CURRICULUM VITAE**

### **WORK HISTORY**

- Senior Staff Geologist/ Depositional Systems Analysis, Mobil Technology Company, Dallas, TX. 1995-1998. International consultant and lecturer to Mobil's worldwide affiliates on sequence stratigraphic analysis with emphasis on the relationship between fluvial/deltaics and deep-water environments. Primary areas of investigation included working on the delineation of the Miocene deltaic sequences of Sakhalin Island, Russia, the Mio-Pliocene deltaic to deep-water sequences of the Southern Con Son Basin, offshore Vietnam, and the fluvial/deltaic systems of the Peru-Bolivian foreland Basin. Primarily worked on technical service projects (65%) with the remaining effort geared toward research on ancient fluvial deltaic systems, such as the Cretaceous Ferron deltaic system of Utah and the Jurassic Brent system of the North Sea. Also served as Co-leader on the 16 day Mobil Sandstone Seminar field course providing expertise in core, outcrop, and seismic interpretation of depositional systems.
- Geologist-Sequence Stratigrapher, Mobil Exploration & Producing Technology Center, Dallas, TX, 1993-1995. Sequence stratigraphic consultant to worldwide Mobil affiliates. Primary geographical area of investigation was the Madre De Dios Basin of Bolivia, and Sakhalin Island, Russia. Completed detailed documented case histories of both areas emphasizing identification and delineation of depositional systems and prospect development within the context of a petroleum system.
- Geologist-Sequence Stratigrapher, Mobil Exploration & Producing Services, Dallas, TX. 1991-1993. Consultant to worldwide Mobil affiliates. Geographical areas of investigation include the eastern shelf of Sakhalin Island, Russia, J'ean D'arc Basin of Canada, and the Carnarvon Basin, Northwest Shelf of Australia.
- Exploration Geologist, Mobil Exploration & Producing U. S., New Orleans, La., 1989-1991. Worked as a sequence stratigrapher to provide consulting to exploration teams in deep-water Gulf of Mexico and to develop the approach of applied sequence analysis to play development.
- Geological/Geophysical Consultant, Louisiana Geological Survey, LSU Center for Wetland Resources, Baton Rouge, La., 1987-1988. Interpreted geological, geotechnical, and high-resolution geophysical data for selection of artificial reef sites in offshore Louisiana.
- Geologist, Mobil Research & Development, Dallas, TX. Summers of 1987-1988. Worked on sedimentologic and sequence stratigraphic interpretations of deep-water environments.

## **CURRICULUM VITAE**

### **WORK HISTORY**

- Field Geologist/Geomorphologist, Louisiana Geological Survey Coastal Geology Program, 1985-1986. Performed extensive fieldwork conducting bathymetric and topographic surveys and collecting wave process data.
- Scientist-Geologist, Leg 2 of the United States Geological Survey (USGS) Institute of Oceanographic U. K. (IOS) Gloria Survey of Mississippi Fan, 1985. Worked with other scientists to provide initial interpretations of modern Mississippi Fan and monitor all seismic data sources.
- Assistant Party Manager, Campagne General De Geophysique (CGG), Houston, TX. 1984-1985. Managed and provided geologic input into shallow marine and land seismic acquisition.
- Field Geologist, ARCO Alaska 1984 Seward Peninsula Field Party, summer 1984. Interpret and describe sedimentologic data from measured sections of Ordovician carbonate strata.
- Research Assistant, Louisiana Geological Survey, Baton Rouge, La., 1982-1984. Acquired and analyzed vibra-cores and surveyed beach profiles.
- Seismic Crew, Geophysical Services Incorporated (GSI), Dallas, TX, summers of 1979-1980. Duties ranged from surveying seismic lines to laying out geophones.

### **AWARDS, CERTIFICATES AND AFFILIATIONS**

- Phi Eta Sigma, Freshman Honor Society, LSU Chapter, 1978
- Texas Oil & Gas Leadership Award in Geology, 1988
- Session Chairman/Convenor SEPM Meeting "Sequence stratigraphy as an exploration tool", 1990
- Session Chairman/Convenor and Program Committee member SEPM Meeting "Submarine fans and turbidite systems", 1994
- Session Chairman 1997, AAPG/SEPM Annual Meeting, session entitled "New Reservoir Analogs from Recent Sediments"
- Member of AAPG and SEPM

## **CURRICULUM VITAE**

### **Publications**

- Coryell, J., Wagner, J. B., Regan, G. M., and R. W. Morin, 2005, Use of High-Resolution Biostratigraphic Analysis for delineation of Reservoir Compartments in the Deep-water Gulf of Mexico (abstract): AAPG Annual Meeting, Calgary.
- Stevens, K. M., Anderson, D. S., Gardner, M. H., and J. B. Wagner, 2005, Re-Evaluating the Origin of Isolated Sandstones Encased in Marine Mudstone: The Cretaceous Prairie Canyon Member of the Mancos Shale at Hatch Mesa, East-Central Utah (abstract): AAPG Annual Meeting, Calgary.
- Moiola, R. J., Welton, J. E., Wagner, J. B., Fern, L. B., Farrell, M. E., Enrico, R. J., and R. J. Echols, 2005, Integrated Analysis of the Upper Ferron Deltaic Complex, Southern Castle Valley, Utah, in T. C. Chidsey Jr., R. D. Adams, and T. H. Morris eds; Analog for Fluvial-Deltaic Reservoir Modeling: Ferron Sandstone of Utah: AAPG Studies in Geology #50, p. 79-91.
- Wagner, J. B., Zippi, P. A., Brooks, L. L., Sheffield, T. D., Dablain, M. A., and K. M. Stevens, 2003, Integrated analysis of the Upper Jurassic Bossier deltaic complex, East Texas, in H. H. Roberts, N. C. Rosen, R. H. Fillon, and J. B. Anderson eds; Shelf Margin Deltas and Linked Down Slope Petroleum Systems: Global Significance and Future Exploration Potential: 23<sup>rd</sup> Annual GCSSEPM Research Conference, Houston, Texas, p. 619-638.
- Moiola, R. J., Welton J. E., Wagner, J. B., and R. T. Clarke, 2003, Late Cretaceous facies tract, Book Cliffs area and Ferron Delta complex, Utah: Field trip Guidebook, AAPG Student Chapter Field Trip, AAPG Annual Meeting, Salt Lake City, 41p.
- Wagner, John B., Bhattacharya, J., Soegaard, K., Moiola, R. J., and James M. Coleman, 2002, Allocyclic and Autocyclic Processes as Primary Controls on the Stratal Architecture and Sedimentological Expression of Depositional Systems from the Bolivian Sub-Andean Foreland Basin (abstract): 22<sup>nd</sup> Annual GCSSEPM Research Conference, Houston, Texas.
- Brooks, L. L., Wagner, J. B., Sheffield, T. D., Zippi, P. A., Dablain, M. A., Stevens, K. M., Brown, B., and R. Offenberger, 2001, Integrated analysis of the Upper Jurassic Bossier deltaic complex, East Texas (abstract): AAPG Annual Meeting, Denver.

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### Publications

Wagner, J. B., 2000, Interaction and effects of allocyclic processes on the stratal & sedimentological expression of depositional systems: an example from the Bolivian Sub-Andean Foreland Basin (abstract): AAPG Annual Meeting, New Orleans.

Moiola, R. J., Welton, J. E., Wagner, J. B., Fearn, L. B., Farrell, M. E., Enrico, R. J., and Echols, R. J., 2000, Integrated analysis of the Ferron deltaic complex, Utah (abstract): AAPG Meeting, New Orleans.

Moiola, R. J., F. M. Wright, D. A. Best, J. E. Welton, R. T. Clarke, and J. B. Wagner, 1998, Late Cretaceous facies tract, Book Cliffs area and Ferron Delta complex, Utah: Field trip Guidebook, AAPG Student Chapter Field Trip, AAPG Annual Meeting, Salt Lake City, 39p.

Wagner, J. B., and R. J. Moiola, 1997, Recognition and Development of an Incised Valley System, Madre De Dios Basin, Bolivia (abstract): AAPG Annual Meeting, Dallas.

Peters, K. E., J. B. Wagner, D. G. Carpenter, K. T. Conrad, 1997, Eastern Madre de Dios Devonian generated large volumes of oil: Oil & Gas Journal, 2/24/97, p 84-87.

Peters, K. E., J. B. Wagner, D. G. Carpenter, K. T. Conrad, 1997, World class Devonian potential seen in eastern Madre de Dios basin: Oil & Gas Journal, 2/17/97, p 61-65.

Peters, K. E., K. T. Conrad, D. G. Carpenter, J. B. Wagner, J. C. Cooke, M. M. Laughland, R. J. Enrico, L. B. Fearn, C. C. Walters, J. M. Moldowan, J. A. Ekuan, and P. E. Isaacson, 1996, Geochemistry, palynology, and regional geology of world class Upper Devonian source rocks, Madre De Dios Basin, Bolivia (abstract): II AAPG/SVG International Congress and Exhibition, Caracas, Venezuela.

Wagner, J. B., R. J. Moiola, L. B. Fearn, and K. Rodgers, 1996, Madre De Dios Basin, Bolivia: an example of the complex interplay between tectonics, eustasy, climate, sediment supply, and basin configuration in a foreland basin (abstract): AAPG Annual Meeting, San Diego.

Meisling, K. E., and J. B. Wagner, 1996, Strike-slip structural styles and petroleum system evolution, Northeast Sakhalin Island (abstract): AAPG Annual Meeting, San Diego.

Wagner, J. B., B. M. Kofron, R. W. Morin, D. W. Ford, V. R. Mathur, and R. T. Mauro, 1994, A sequence stratigraphic analysis of the Lower Miocene, West and East

Cameron areas, Gulf of Mexico, in P. Weimer, A. H. Bouma, and B. F. Perkins eds., submarine fans and turbidite systems: GCSSEPM Foundation 15th Annual Research Conference, p357-372.

## **CURRICULUM VITAE**

### **Publications**

Pope, D. L., T. F. Moslow, and J. B. Wagner, 1993, Geological and technological assessment of artificial reef sites, Louisiana Outer Continental Shelf: *Ocean & Coastal Management*, 20, p. 121-145.

Kofron, B. M., R. W. Morin, G. M. Ragan, and J. B. Wagner, 1991, Neogene condensed sections in the Northern Gulf of Mexico (abstract): *GSA Annual Meeting* p. A-181-182.

Wagner, J. B., and J. M. Coleman, 1990, Seismic stratigraphy of the modern Mississippi Fan turbidite systems (abstract): *AAPG Bulletin*, v.74 , p. 787.

Pope, D. L., T. F. Moslow, and J. B. Wagner, 1989, Application of high-resolution geophysical and geotechnical techniques for selecting artificial reef sites on the Louisiana Outer Continental Shelf (abstract): *GCAGS Transaction* v. 39, p. 586.

Pope, D. L., and J. B. Wagner, 1988, Use of high-resolution geophysical and geotechnical techniques for selecting artificial reef sites on the Louisiana Outer Continental Shelf (abstract): *GCAGS Transaction* V. 38, p. 583.

Pope, D. L., and J. B. Wagner, 1988, Use of high-resolution geophysical and geotechnical techniques for artificial reef site selection, West Cameron Planning Area, offshore Louisiana (abstract): *AAPG Bulletin*, v., 72 p. 1120.

Wagner, J. B., 1988, Use of high-resolution geophysical techniques for the emplacement of abandoned oil and gas platforms as artificial reefs (abstract): *AAPG Bulletin*, v. 72.

EEZ-SCAN 85 Scientific Staff, 1987, Atlas of the Exclusive Economic Zone, Gulf of Mexico: U. S. Geological Survey Miscellaneous Investigations Series I-1864-A, 104 p., Scale 1: 500,000.

Wagner, J. B., and D. L. Pope, 1986, Geomorphology and sedimentary facies of an ephemeral washover breach/tidal inlet, Caminada-Moreau headland, southeast Louisiana (abstract): *Estuarine and Coastal Management--Tools of the Trade, Proceedings of the 10th National Conference of the Coastal Society*, v. 2, p. 424-425.

## **CURRICULUM VITAE**

### **Internal Company Reports**

Wagner, J. B., 2000, Pennsylvanian Jackfork Group, Ouachita Mountains, Arkansas: Application of Submarine Fan Concepts & Deep-Water Processes, 25p.

Knutson, C., J. B. Wagner, and M. A. Dablain, 1999, La Calera regional study Neuquen Basin, Argentina: Pioneer Natural Resources internal publication, 107p.

Hussey, V. K., and J. B. Wagner, 1997, Post Mid Miocene unconformity siliciclastic study, Block 05-1b Offshore Vietnam: Mobil Oil internal publication, 54p.

Spencer, G., J. Wagner, D. Guadoin, and P. Nixon, 1997, Mobil/Texaco 1997 Sakhalin Field Trip report: Mobil/Texaco internal publication, 33p.

Moiola, R. J., J. B. Wagner, and J. E. Welton, 1997, 25th Sandstone seminar field trip guidebook: ancient & modern sand bodies: Mobil Oil internal publication, 188p.

Moiola, R. J., J. B. Wagner, and J. E. Welton, 1996, 25th Sandstone seminar field trip guidebook: ancient & modern sand bodies: Mobil Oil internal publication, 157p.

Moiola, R. J., J. B. Wagner, and J. E. Welton, 1995, 25th Sandstone seminar field trip guidebook: ancient & modern sand bodies: Mobil Oil internal publication, 157p.

Wagner, J. B., and K. E. Meisling, 1995, Basin evolution of the Kirinskiy Block, Sakhalin Island: an integrated structural and stratigraphic analysis for prospect development: Mobil Oil internal publication, 103p.

Wagner, J. B., I. Segura, D. E. Sanders, L. B. Fern, B. K. Rodgers, R. J. Moiola, and K. T. Conrad, 1994, a sequence stratigraphic analysis of the Madre De Dios Basin, Bolivia: an integrated exploration approach to prospect development within the context of a petroleum system: Mobil Oil internal publication, 156p.

Wagner, J. B., M. O. Withjack, E. T. Peterson, and J. G. MacPherson, 1992, A sequence stratigraphic analysis of EP-325, Southern Carnarvon Basin, Northwest Shelf Australia: Mobil Oil internal publication, 69p.

Wagner, J. B., B. M. Kofron, R. W. Morin, D. W. Ford, and V. R. Mathur, 1991, an applied sequence stratigraphic approach to basin analysis: Mobil Oil internal publication, 122 p.

Wagner, J. B., 1991, a sequence stratigraphic investigation of the Piltun & Lunskeye Fields, Sakhalin Basin, USSR: Mobil Oil internal publication, 29 p.