

by Lynne Goodoff and  
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## Burgos Basin Update

South Texas is geologically and geographically contiguous with the Burgos Basin in northeastern Mexico and, because of its maturity of hydrocarbon exploration and development, offers a unique opportunity for providing insight into the future potential of the Burgos Basin. In the simplest comparison, significantly more wells had been drilled in Texas than in the Burgos basin through late 2002, with over 83,000 wells in RRD4, some 28 times more than the 2,900 wells drilled in the Burgos basin. Similarly, there were 9,299 producing wells in RRD4 at the time, compared with 800 in the Burgos basin.

Although the Burgos Basin is often perceived as an extension of South Texas, there is a great diversity of fault styles, structures and associated tectonic events. Structural features across the Burgos Basin are not uniform, but complex. Interpretation of 2D and 3D seismic data, on both regional and field development scales, has revealed faults and structures that result not only from extensional forces, but also from compressional or transverse forces. This presentation will give an overview of many of the structural styles observed in the Burgos Basin. A common perception that structuring in Burgos is similar to South Texas may limit a more complete understanding of the basin's true potential. In addition, structural trends that extend to the Rio Grand River, may easily cross the river into the United States.

In addition to the above, an update of developments in the oil and gas sector of Mexico will be presented. ■

### Biographical Sketch

LYNNE GOODOFF is Principal Geophysicist with The Scotia Group, Inc. in Houston and has over 25 years experience. She was associated with Exxon as exploration and production geophysicist and with Pennzoil as geophysical advisor before joining Scotia. Her responsibilities have included 2D and 3D interpretation, prospect mapping, new venture assessment, and field development studies in South Texas and the Burgos Basin. She has worked extensively on the Gulf of Mexico and internationally.

GENE B. WIGGINS III is Executive Vice President for Scotia. He has over 27 years of experience in the upstream oil and gas business as a consultant and in business development capacities for several companies. His primary focus has been on all phases of the evaluation of oil and gas properties with emphasis on reserves determination, production forecasts, well performance, economics and market valuation. He has an MBA degree from Tulane University and a BS degree in mechanical engineering from the University of Houston. Mr. Wiggins was SPEE National President in 1998.

The Scotia Group, Inc. is a full service international oil and gas advisory firm which specializes in reservoir studies and simulation, exploration analysis, strategic planning and risk analysis, reserves analysis and property valuation, acquisition valuation, opinion reports, and research and technology applications.

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