

Monday, November 9, 2009

Westchase Hilton • 9999 Westheimer  
Social Hour 5:30–6:30 p.m.  
Dinner 6:30–7:30 p.m.

Cost: \$28 Preregistered members; \$35 non-members & walk-ups

To guarantee a seat, you must pre-register on the HGS website and pre-pay with a credit card.

Pre-registration without payment will not be accepted.

You may still walk up and pay at the door, if extra seats are available.

# HGS General Dinner Meeting

**James Cearley**

General Manager of Gulf of Mexico  
Deepwater Exploration  
Chevron North America Exploration  
and Production Co

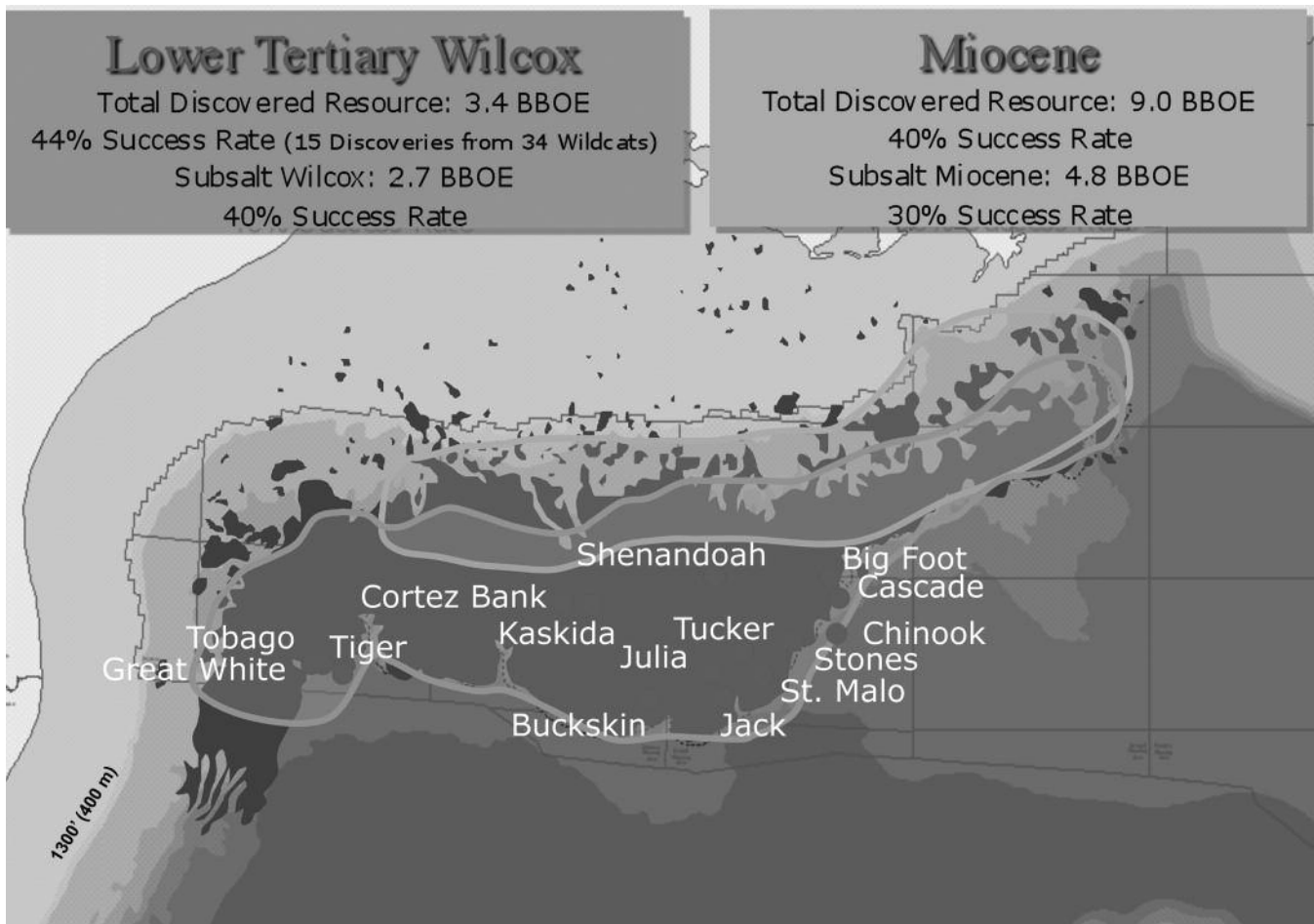
HGS General Dinner Meeting

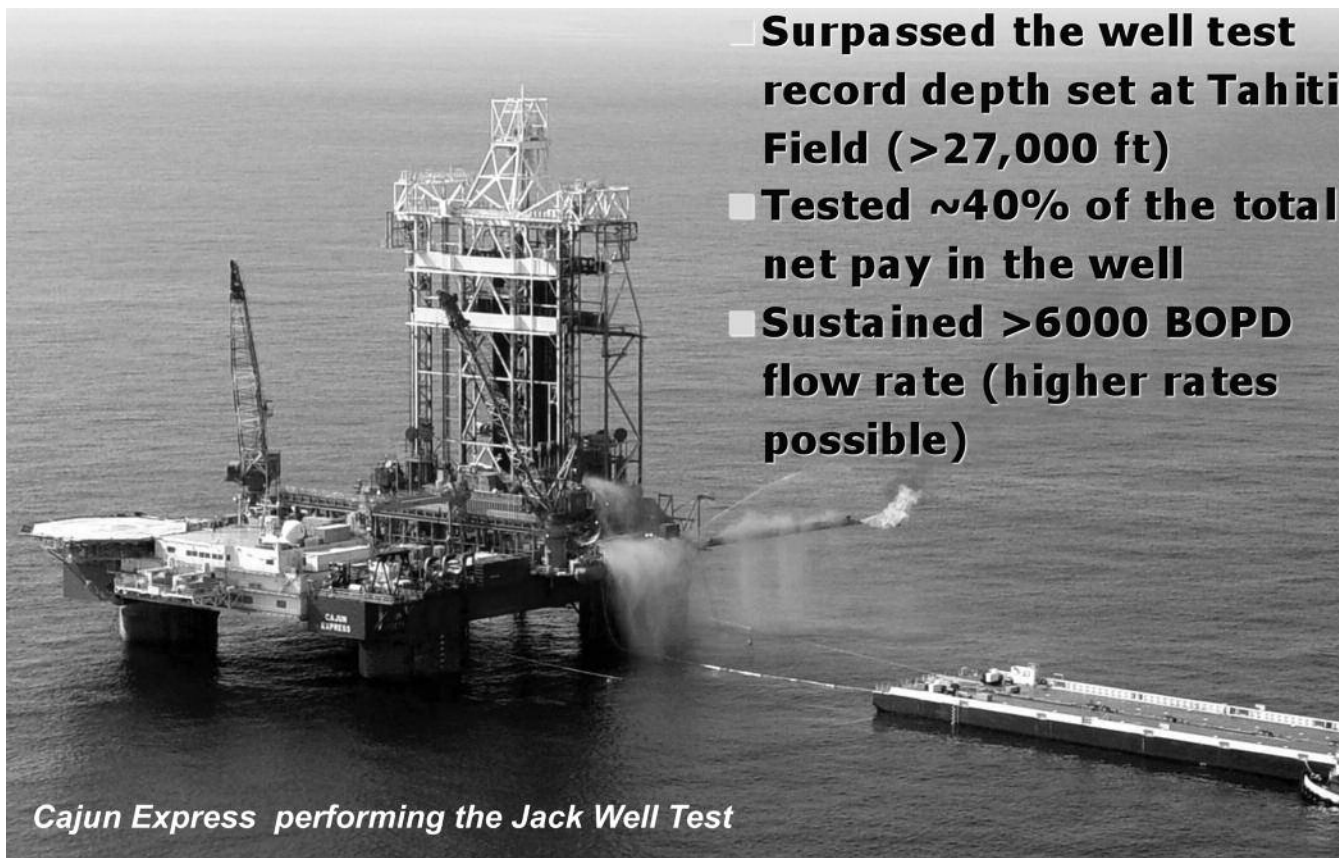
## The Lower Tertiary Trend in the Gulf of Mexico Deepwater — Challenges and Potential Rewards

*Key to unlocking the value of the Lower Tertiary Wilcox trend will be the practical application of existing technologies, the rapid maturation of new technologies and the efficient sharing of infrastructure development*

The emerging Lower Tertiary Wilcox Trend of the Deepwater Gulf of Mexico is the latest exploratory trend since the deepwater sub-salt Miocene trend was ignited 10 years ago with large discoveries like Thunder Horse and Tahiti. The deepwater Miocene has delivered over 8 billion BOE to date, and the Lower Tertiary Trend has delivered over 3 billion BOE so far, with much of the trend yet to be explored. The Lower Tertiary Wilcox is a 300-mile-long, primarily sub-salt trend in the ultra-deep water, targeting some of the oldest and deepest clastic reservoirs yet

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- Surpassed the well test record depth set at Tahiti Field (>27,000 ft)
- Tested ~40% of the total net pay in the well
- Sustained >6000 BOPD flow rate (higher rates possible)

*Cajun Express performing the Jack Well Test*

developed in the Gulf of Mexico. In the Wilcox trend, the oil fields discovered to date have been very large with significant pay thickness. However, these discoveries have flow rate challenges created by lower permeability rocks and low mobility hydrocarbons. Chevron's record-setting deep well test at the "Jack Field" was an important milestone in confirming the producibility and commerciality of the significant oil in place in these ultra-deep Wilcox reservoirs. Chevron believes that the key to unlocking the value of the Lower Tertiary Wilcox trend will be the practical application of existing technologies, the rapid maturation of new technologies and the efficient sharing of infrastructure development. Economic development of this new trend will require companies to work closely with others in the industry as new fields are discovered and new challenges are overcome. ■

technical and management positions in a number of locations. His more recent assignments include Gulf of Mexico Shelf Exploration Manager in New Orleans, Deepwater Product & Services Manager for Chevron Exploration Technology Company in New Orleans, Geology Center of Excellence Manager for Chevron Exploration Technology Company in La Habra, CA, and Development Geology, Earth Science Team leader for Midcontinent Business Unit in Houston. James is a member of the Society of Petroleum Engineers and the American Association of Petroleum Geologists.

### Biographical Sketch

**JAMES CEARLEY** is General Manager of Gulf of Mexico Deepwater Exploration for Chevron North America Exploration and Production Co. James earned a Bachelor's degree in Geology from the University of Texas at El Paso in 1978. He began his career with Gulf Oil in 1979 in Midland, TX and has held numerous

