

MEETINGS

HGS LUNCHEON MEETING— MAY 29, 1991

DOUGLAS N. VALLEAU—Biographical Sketch



Douglas N. Valleau is a Regional Geologist with BHP Petroleum Americas. He currently heads BHP's Gulf Basin Offshore and Onshore Exploitation group.

He received both his Bachelor's (1975) and Master's (1977) degrees in geology from the University of Florida.

He joined the Gulf Oil Corporation in 1977 as a Production Geologist in Joint-Venture Operations located in Houston. In 1979 he moved to Columbia, Mississippi with Gulf Oil, to conduct field studies for enhanced recovery.

He returned to Houston in 1980 as Exploration Geologist for Monsanto Oil Company where he worked the East Texas Basin, the Frio and Wilcox trends of Texas and the *Planulina* trend of South Louisiana. In 1985 he joined BHP as Senior Exploration Geologist and has been in the Exploitation Group since 1987.

He has taught Geology at both the University of Southern Mississippi and Houston Community College.

He is a Certified Petroleum Geologist and a member of GSA.

BONNE TERRE FIELD, McMULLEN COUNTY, TEXAS: DEVELOPMENT OF A MULTI-PAY OVERPRESSURED GAS FIELD

Bonne Terre Field, located in southeast McMullen County, Texas, was discovered by the Hanson Minerals Scott Foundation 59 #1 in 1988. The discovery proved the existence of significant reserves within the expanded overpressured Upper Wilcox House section.

The House section at Bonne Terre has an approximate net pay sand interval of 375 feet with productive closure of approximately 800 acres. The productive interval in the House section is subdivided into five separate fields designated as the 10,600 Field, the 10,770 Field, the 10,800 Field, the 10,970 Field, and the Middle House 8 Field.

A total of 15 wells have been drilled to develop the overall field; most have been dually completed. Cumulative production since first sales in March 1988 is in excess of 131 BCF and 828 Mbbls of condensate. Average deliverabilities per well are 20 MMcf per day.