

MEETINGS

HGS LUNCHEON MEETING— OCTOBER 28, 1992

Social Period, 11:30 a.m. - 12:00 p.m.,
Luncheon and Meeting, 12:00 p.m.
The Houston Club

GEORGE LINDAHL, III—Biographical Sketch



George Lindahl, III has 24 years of experience in the oil and gas industry and is currently Vice President of Exploration for Union Pacific Resources. Prior to joining UPRC he was Executive Vice President, Board Director, and Partner with Walker Energy Partners of Houston. Prior to this he spent 14 years with Amoco Production Company as a geologist and geophysicist.

George, a native of Birmingham, Alabama attended the University of Alabama, where he received a Bachelor of Science degree in geology in 1968, and did graduate studies in geophysics at Tulane University, most recently completed an Advanced Management program at Harvard University. Memberships include: American Association of Petroleum Geologists, Geological Society of America, IPAA, Society of Exploration Geophysicists, Fort Worth Geological Society and American Petroleum Institute where he was recently appointed to membership on the United States National Committee for the World Petroleum Congress, and currently serves on the Board of Directors at the Fort Worth Petroleum Club.

EXPERIENCE WITH 200 HORIZONTAL WELLS

Union Pacific Resources is the world leader in numbers of horizontal wells drilled and now producing. In the vertically fractured Cretaceous chinks of south Texas, over 200 horizontal wells have been completed successfully. Horizontal technology has allowed the economic redevelopment and extension of old noncommercial fields.

Factors contributing to Union Pacific Resources Company's success include: (1) integrated geological, geophysical, and engineering approaches to high grading land acquisition and to selection of target zones for drilling and completion; (2) extensive formation evaluation, including open-hole logging of one-third of our horizontal wells (correlations between number and quality of fractures and well productivity and reserves have been developed); and (3) innovative, high-rate, high-volume stimulation of horizontal wells, which has added significant incremental reserves at extremely low cost.

Union Pacific Resources Company's experience with its first 200 horizontal wells is summarized, and several field examples showing the economic importance of an integrated approach to horizontal drilling projects are presented.