

LUNCHEON MEETING—APRIL 25, 1979

R. A. HALEY—Biographical Sketch



R. A. Haley is currently Section Leader and Staff Petrophysical Engineer for the Onshore Division of Shell Oil Company in New Orleans. After graduating from the University of Mississippi with a B.S. in physics and attending graduate school, Ron began his career with Shell in 1967. He has had assignments in Shell's Coastal Division, International Ventures, Head Office Production Department,

and Onshore Division. He has published articles on formation evaluation in the *Oil and Gas Journal*, *World Oil*, the Formation Evaluation Symposium of the Canadian Well Logging Society, and the Annual Logging Symposium of the Society of Professional Well Log Analysts.

CAUSES OF VERY LOW RESISTIVITY IN SOME HIGH-PRODUCTIVITY PLEISTOCENE SANDSTONES (Abstract)

Despite extremely low resistivity, several Pleistocene reservoirs in Offshore Louisiana have produced water-free at high rates. Production data indicate good ultimate recovery. Intensive evaluation with logs, scanning electron microscope, thin sections, sieve analysis and pressure buildup analysis indicate three different causes of the low resistivity.

Surprisingly, shale or clay content and distribution alone do not always explain the low resistivity. A synergetic evaluation program of geology, petrophysics, reservoir engineering and log analysis is required to properly understand and predict performance of these gas and oil reservoirs. This presentation is adapted from the paper "Surprising Productivity from Low-Resistivity Sands", for the SPWLA Eighteenth Annual Logging Symposium and authored by E. A. Vajnar, C. M. Kidwell and R. A. Haley.