

## ABSTRACT

### Economics and Geology of the Natural Gas of North America by Joseph A. Kornfeld

Producers are showing continuing interest in deep, high pressure gas reserves that are found from 15,000 to 22,000 feet. The most important U.S. provinces containing deep reserves are:

1. The Gulf Coast Embayments, which produce from the Miocene, Oligocene, Paleocene, Eocene and Cretaceous.
2. The West Texas-New Mexico, Val Verde and Delaware Basins which produce from the deep Ordovician trend.
3. The Anardarko basin in which Siluro-Devonian-Hunton zones produce gas.

Descriptions of the extent of these basins and their geology are discussed, and the economics of gas from these basins is discussed in relation to the critical natural gas shortage.

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## BIOGRAPHY

Joseph A. Kornfeld is president of Kornfeld International, Tulsa-based firm of consulting natural-gas technologists. He holds a Master's Degree from Texas Christian University and Post-Graduate Credit from the University of Texas.

Kornfeld's Gulf Coast experience dates back to 1935 when he was employed as Chief Geologist for a Houston independent. As well site geologist he sat on wells extending all the way from Mexico, throughout Texas, Louisiana and Mississippi.

His major company experience includes Texaco, Inc., as reservoir engineer in the West Texas New Mexico Division and with Sohio Petroleum Company as reservoir engineer in the Oklahoma City general offices.

He has been industry lecturer at the School of Gas Technology during three separate years sponsored by the University of Texas Petroleum Extension Division.

Kornfeld lectured at the Pacific Science Congress during 1960 at Honolulu under sponsorship of the National Science Foundation. He spoke at three conferences of the International Geological Congress in Algiers and Mexico City, the International Union of Pure and Applied Chemistry, etc.

He is listed in the current edition of American Men of Science, is a Fellow of the American Institute of Chemists, and a Fellow of the Texas Academy of Science. He is a member of leading professional societies in his many disciplines.