

PRODUCTION OF LOW-BTU GAS FROM RESIDUAL OIL IN COMBINATION WITH
ADVANCED POWER CYCLES. A. M. Squires, S. I. Dobner, M. J. Gluckman,
Department of Chemical Engineering, The City College of the City University of
New York, 245 West 104th Street, New York, New York 10025.

An examination of the interface between equipment converting residual oil to low-Btu gas and power-generating equipment which combines gas- and steam-turbine cycles. Examples will be based upon Texaco or Shell "partial oxidation" followed by both conventional gas cleaning at low temperature and hot gas cleaning by means of a panel bed filter charged with half-calcined dolomite. Another example will employ cracking in a coke-agglomerating bed with production of an aromatic liquid and a coke byproduct.