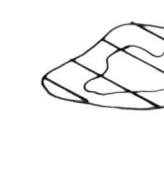


**A PRELIMINARY ASSESSMENT OF THE PROBABILITY OF OCCURRENCE OF OIL, GAS, OR BITUMEN-BEARING ROCKS
ON SOME U. S. FOREST SERVICE RARE II LANDS IN NEVADA**

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 low probability of occurrence—showing outline of RARE II tract

Discussion
This map was compiled and drafted November 28-December 5, 1977, in response to a request by the U.S. Forest Service for an immediate evaluation of the mineral-resource potential of proposed roadless areas in the National Forests in Nevada. The roadless areas and adjacent land covered by the RARE II (Roadless Area Review and Evaluation Inventory) are shown on a published map by the Forest Service (1976) as a base for mineral resource and other inventories.

This map illustrates the results of analysis for oil, gas, and bitumen-bearing rocks (as sandstone) on RARE II tracts but does not include areas with potential for hydrocarbons in oil shales. This map illustrates the results of a study which is based primarily on the general knowledge of the author and does not represent the results of detailed work in each area. Individual tracts have been grouped in provinces in such a manner to reflect similar geologic phenomena. These provinces were subsequently evaluated as favorable or unfavorable areas for the accumulations of hydrocarbons based on a regional geologic synthesis of the petroleum geology of the entire region and (or) a comparison to geologic settings of possible analogous productive provinces of other areas. Specifically, the analysis is based on the known distribution hydrocarbon accumulations reservoir rocks, hydrocarbon-source beds, geologic history, and stratigraphic and (or) structural traps favorable for oil and gas accumulations. As additional information becomes available the classifications for each area may be altered.

This compilation was delivered to the U.S. Forest Service as an administrative report in December of 1977. It is being made available in open file in response to public request.

U.S. Geological Survey
OPEN FILE REPORT
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards of nomenclature.

Compiled in December, 1977