

EXPLANATION

KNOWN LEASING AREAS

Known geologic structure for oil and gas (KGS)
(None present in Needles quadrangle)

Known geothermal resource area (KGRA)
(None present in Needles quadrangle)

LANDS KNOWN TO BE VALUABLE

Sodium and/or potassium

LANDS VALUABLE PROSPECTIVELY

Oil and gas

Geothermal resources

Sodium and/or potassium

BASE FROM U. S. GEOLOGICAL SURVEY, 1956

SCALE 1:250,000

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

QUADRANGLE LOCATION

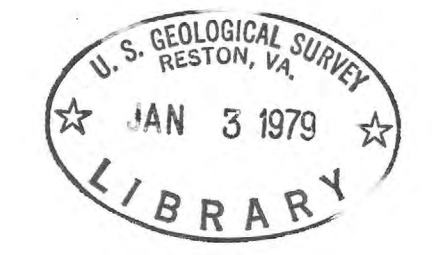
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MINERAL LANDS CLASSIFICATION

**MAPS SHOWING MINERAL LANDS CLASSIFICATION AND MINERAL EXPLORATION POTENTIAL
IN THE NEEDLES 1° BY 2° QUADRANGLE, CALIFORNIA AND ARIZONA**

COMPILED BY
JAMES P. CALZIA AND ROSCOE M. SMITH

1978



Interior--Geological Survey, Reston, Va.--1978
For sale by Branch of Distribution, U.S. Geological Survey
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