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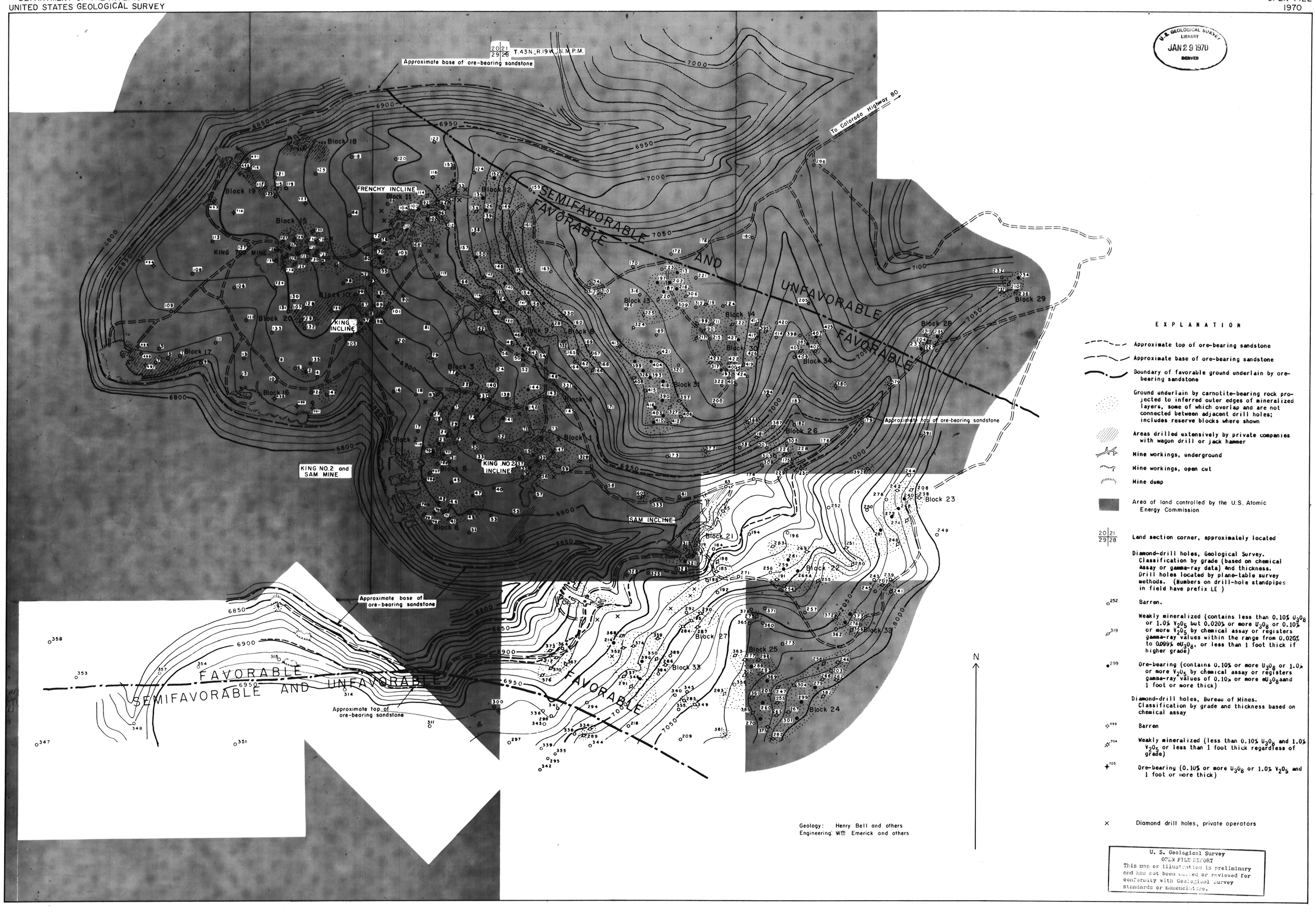

EXPLANATION

Approximate top of ore-bearing sandstone

Approximate base of ore-bearing sandstone

Boundary of favorable ground underlain by ore-bearing sandstone

Ground underlain by carnotite-bearing rock projected to inferred outer edges of mineralized layers, some of which overlap and are not connected between adjacent drill holes; includes reserve blocks where shown

Areas drilled extensively by private companies with wagon drill or jack hammer

Mine workings, underground

Mine workings, open cut

Mine dump

Area of land controlled by the U.S. Atomic Energy Commission

20|21 / 29|28 Land section corner, approximately located

Diamond-drill holes, Geological Survey. Classification by grade (based on chemical assay or gamma-ray data) and thickness. Drill holes located by plane-table survey methods. (Numbers on drill-hole standpipes in field have prefix LE)

252 Barren.

319 Weakly mineralized (contains less than 0.10% U_3O_8 or 1.0% V_2O_5 but 0.020% or more U_3O_8 or 0.10% or more V_2O_5 by chemical assay or registers gamma-ray values within the range from 0.020% to 0.099% eU_3O_8, or less than 1 foot thick if higher grade)

299 Ore-bearing (contains 0.10% or more U_3O_8 or 1.0% or more V_2O_5 by chemical assay or registers gamma-ray values of 0.10% or more eU_3O_8 and 1 foot or more thick)

Diamond-drill holes, Bureau of Mines. Classification by grade and thickness based on chemical assay

499 Barren

704 Weakly mineralized (less than 0.10% U_3O_8 and 1.0% V_2O_5 or less than 1 foot thick regardless of grade)

705 Ore-bearing (0.10% or more U_3O_8 or 1.0% V_2O_5 and 1 foot or more thick)

× Diamond drill holes, private operators

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This map or illustration is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

FIGURE 16.--MAP OF LEGIN GROUP AREA, SLICK ROCK DISTRICT, SAN MIGUEL COUNTY, COLORADO