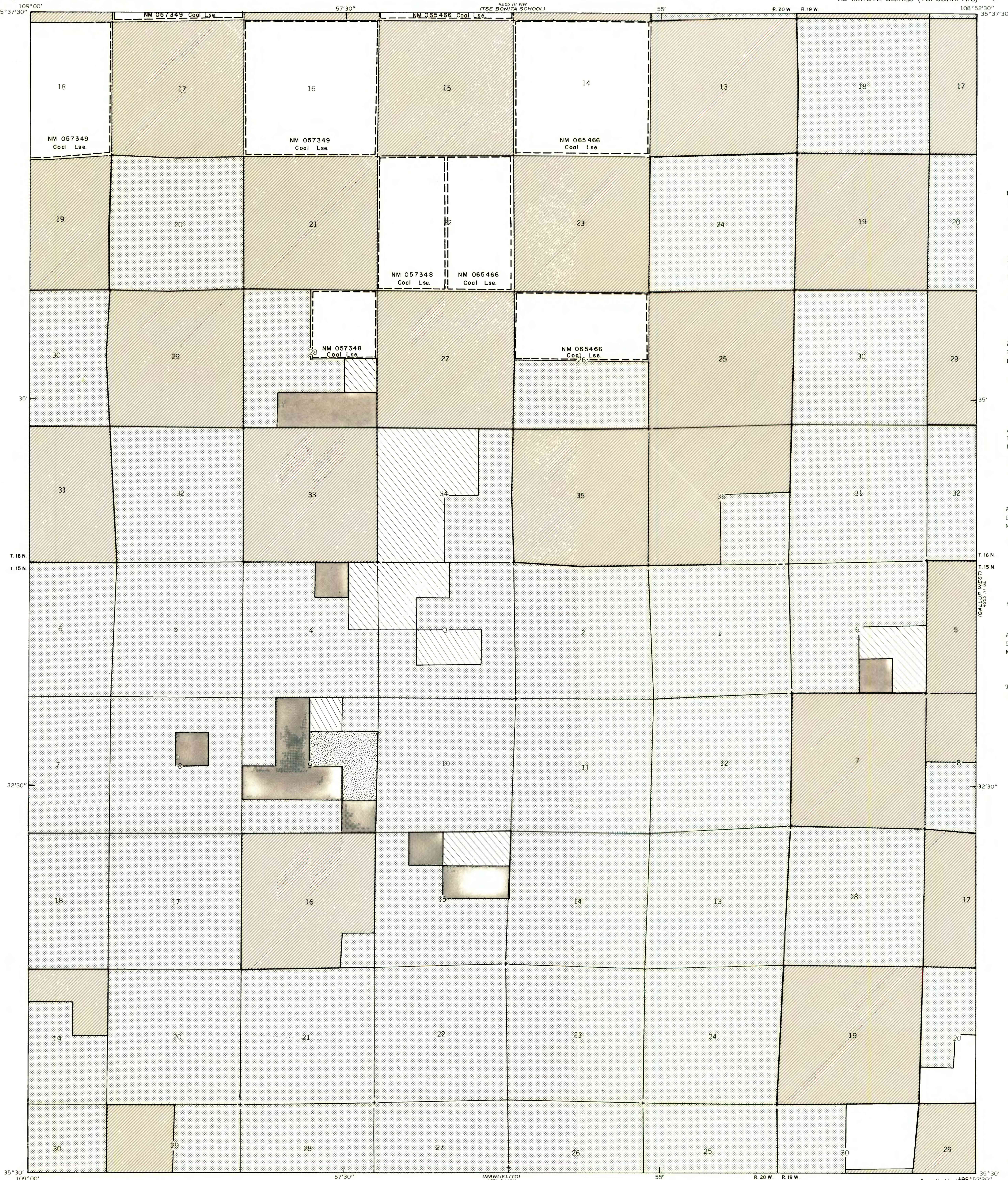


This report has not been edited for conformity with Geological Survey editorial standards or stratigraphic nomenclature.



**EXPLANATION**

NON-FEDERAL COAL LAND—Land for which the Federal Government does not own the coal rights, and for which the coal development potential is not rated.

AREA OF HIGH COAL DEVELOPMENT POTENTIAL FOR SURFACE MINING METHODS—Includes areas underlain by the Crevasse Canyon Gibson No. 5 and Dilco No. 8 coal beds. Area has a mining ratio value from 0 to 10.

AREA OF MODERATE COAL DEVELOPMENT POTENTIAL FOR SURFACE MINING METHODS—Includes areas underlain by the Crevasse Canyon Dilco No. 8 coal bed. Area has a mining ratio value ranging from 10 to 15.

AREA OF LOW COAL DEVELOPMENT POTENTIAL FOR SURFACE MINING METHODS—Includes areas underlain by the Crevasse Canyon Gibson No. 5 and Dilco No. 8 coal beds. Area has a mining ratio value greater than 15.

AREA OF UNKNOWN COAL DEVELOPMENT POTENTIAL FOR SURFACE MINING METHODS—Includes areas within the stripping limit (200 feet=60 meters-overburden) with coal thickness less than 3.0 feet (0.9 meters), areas with insufficient data, areas outside the coal outcrop or limit of coal beds within the Crevasse Canyon Formation and the Gallup Sandstone.

AREA OF NO COAL DEVELOPMENT POTENTIAL FOR SURFACE MINING METHODS—Includes areas outside the Crevasse Canyon Formation and the Gallup Sandstone.

To convert feet to meters, multiply feet by 0.3048.

NOTE: BLM coal ownership data current as of Oct. 26, 1978.

**COAL DEVELOPMENT POTENTIAL MAP OF THE SAMSON LAKE QUADRANGLE, MCKINLEY COUNTY, NEW MEXICO**  
BY  
**BERGE EXPLORATION, INC.**  
1979