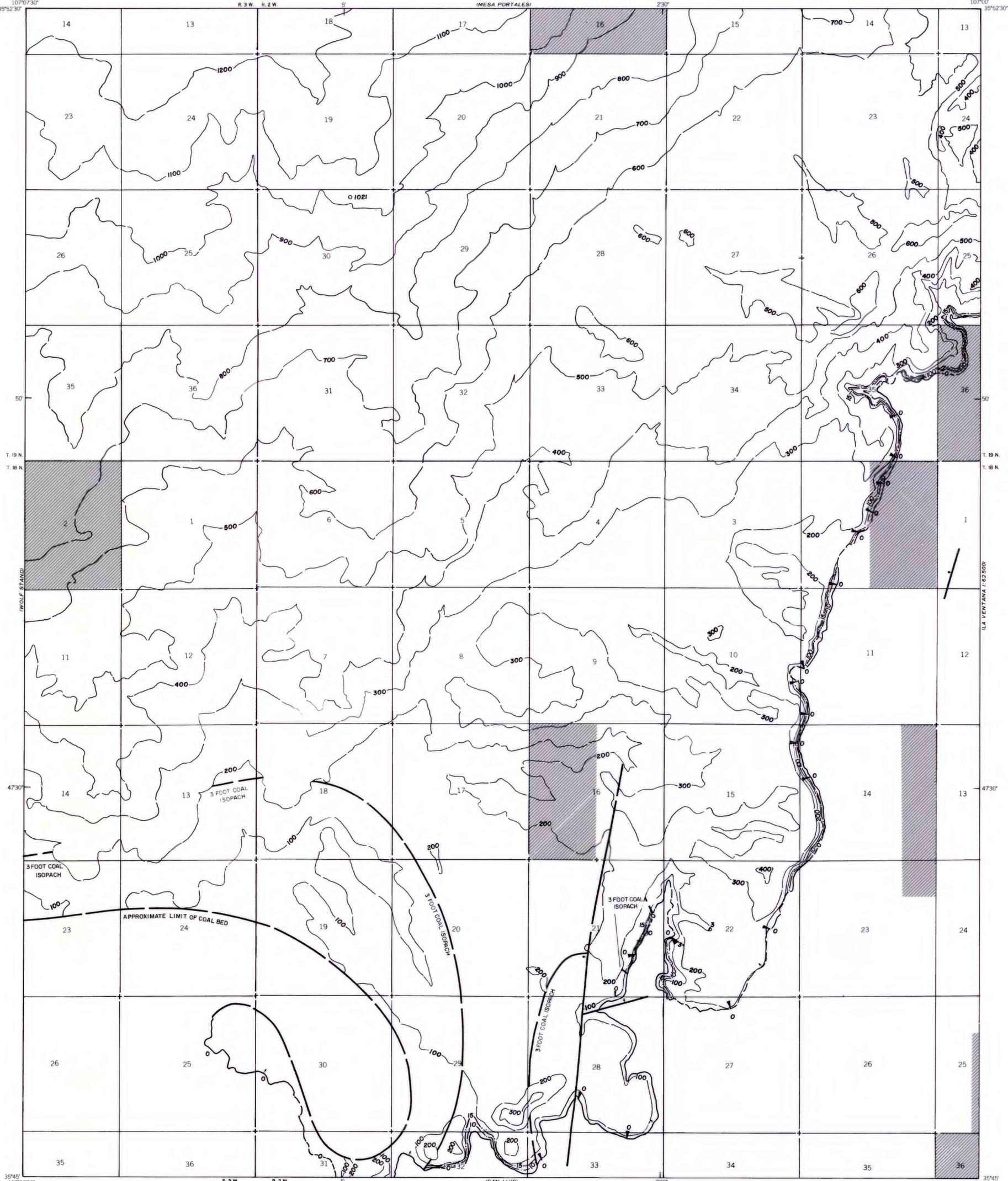


This report has not been edited for conformity with Geological Survey editorial standards or stratigraphic nomenclature.



EXPLANATION

— 500 —
OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to the top of the Menefee Allison No. 1 coal bed. Isopach interval 100 feet (30.5 meters). Isopachs dashed where inferred. Stripping limit is 200 feet (61 meters).

○ 1021
DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the Menefee Allison No. 1 coal bed.

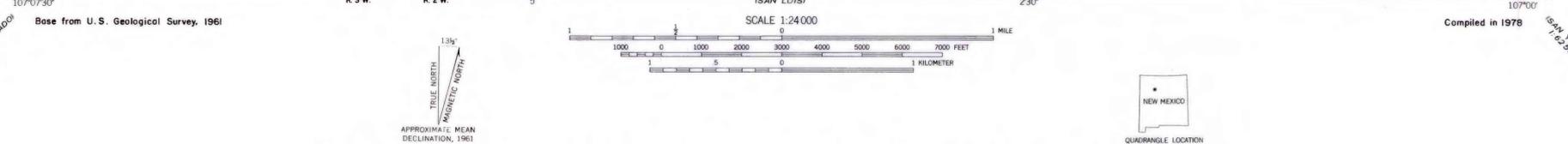
— 10 —
TRACE OF COAL BED OUTCROP—Showing no overburden at triangle. Arrow points toward the coal-bearing area. Outcrop is long dashed where inferred and short dashed along inferred and contact between burned and unburned coal.

— 10 —
MINING RATIO CONTOUR FOR THE MENEFEE ALLISON NO. 1 COAL BED—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit, less than 200 feet (61 meters), of overburden.

— 10 —
FAULT—Dashed where approximately located; bar and bell on down-thrown side.

To convert feet to meters, multiply feet by 0.3048.

Note: Certain contour lines in the high density areas have been shown in part, or omitted, for clarification in mapping.



**COAL RESOURCE OCCURRENCE MAP OF THE HEADCUT RESERVOIR
QUADRANGLE, SANDOVAL COUNTY, NEW MEXICO
BY
BERGE EXPLORATION, INC.
1979**