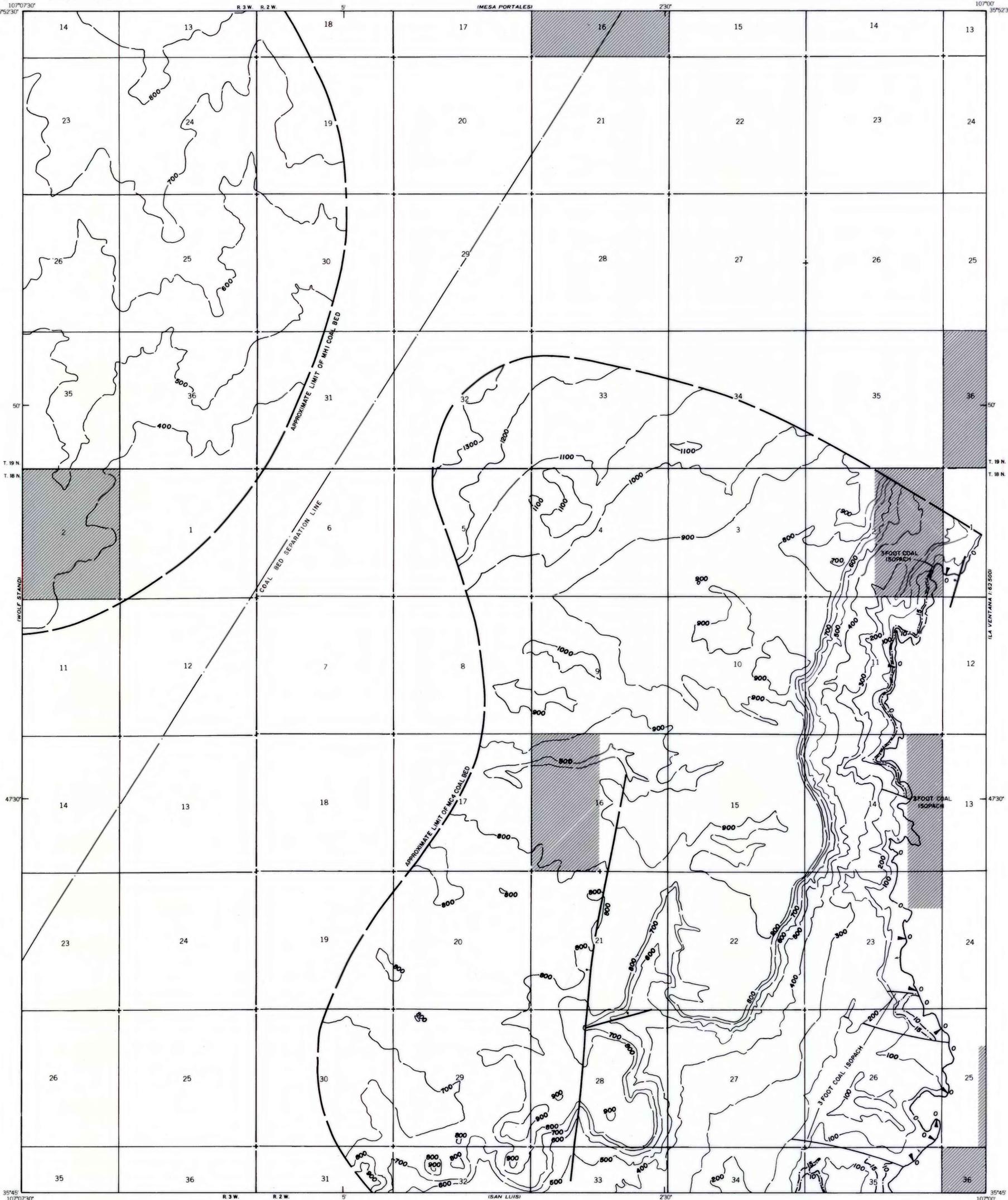


This report has not been edited for conformity with Geological Survey editorial standards or stratigraphic nomenclature.



EXPLANATION

— 1200 —
OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to the top of the Menefee Cleary No. 4 coal bed and the Menefee Hogback Mtn. No. 1 coal bed. Isopach interval 100 feet (30.5 meters). Isopachs dashed where inferred. Stripping limit is 200 feet (61 meters).

— 10 —
MINING RATIO CONTOUR FOR THE MENEFEE CLEARY NO. 4 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.

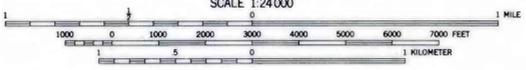
— — — — —
FAULT—Dashed where approximately located; bar and bell on down-thrown side.

To convert feet to meters, multiply feet by 0.3048.

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

Bose from U.S. Geological Survey, 1961

Compiled in 1978



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

PLATE 15
ISOPACH MAP OF OVERBURDEN OF THE
MENEFEE HOGBACK MTN. NO. 1 AND THE
MENEFEE CLEARY NO. 4 COAL BEDS