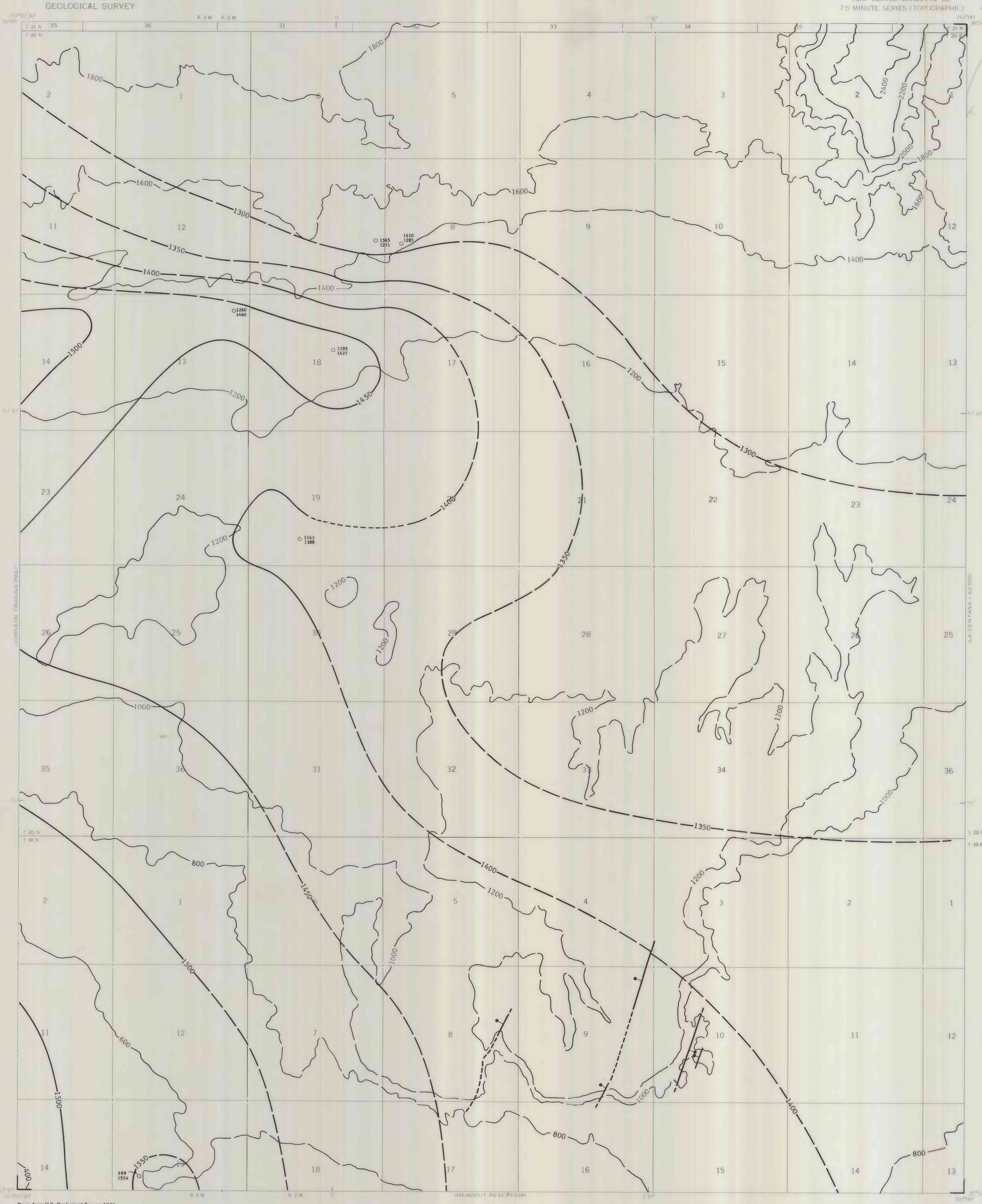
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MESA PORTALES QUADRANGLE
NEW MEXICO-SANDOVAL CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-809
PLATE 6 OF 6



Base from U.S. Geological Survey, 1961

Compiled in 1979

SCALE 1:24 000

1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETER

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1961

NEW MEXICO
QUADRANGLE LOCATION

EXPLANATION

1200

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from the surface to the top of the Menefee coal zone, which is coincident with the top of the La Ventana Tongue. Isopach interval 200 feet (61 meters). Isopachs dashed where inferred.

1400

INTERBURDEN ISOPACHS - Showing thickness of interburden, in feet, within the Menefee coal zone. Isopach interval 50 feet (15.2 meters). Isopachs long dashed where inferred and short dashed where projected through noncoal-bearing area.

○ 1195
1477

DRILL HOLE - Showing thickness of overburden, in feet, (upper number) from the surface to the top of the Menefee coal zone, which is coincident with the top of the La Ventana Tongue, and thickness of interburden, in feet, (lower number) within the Menefee coal zone.

FAULT - Dashed where approximately located; bar and bell on downthrown side.

To convert feet to meters, multiply feet by 0.3048.

The Menefee coal zone extends from the top of the La Ventana Tongue (Cliff House Ss) to the base of the Menefee Fm. The La Ventana Tongue and the Hogback Mtn Tongue (Menefee Fm) interfinger and are contemporaneous. The Menefee zone overburden is determined by subtracting the elevation of the top of the La Ventana Tongue (CRO Plate 5) from the ground level elevation. The interburden is the noncoal-bearing portion of the Menefee coal zone (i.e., the combined rock thickness of the undifferentiated Menefee Fm and the La Ventana Tongue).

COAL RESOURCE OCCURRENCE MAP OF THE MESA PORTALES QUADRANGLE, SANDOVAL COUNTY, NEW MEXICO

BY
DAMES & MOORE
1979

This map was prepared under contract to the U.S. Geological Survey and has not been edited for conformity with Geological Survey editorial standards. Opinions and conclusions expressed herein do not necessarily represent those of the Geological Survey.

PLATE 6

ISOPACH MAP OF OVERBURDEN AND INTERBURDEN OF THE MENEFEE COAL ZONE