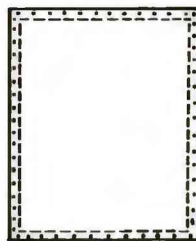


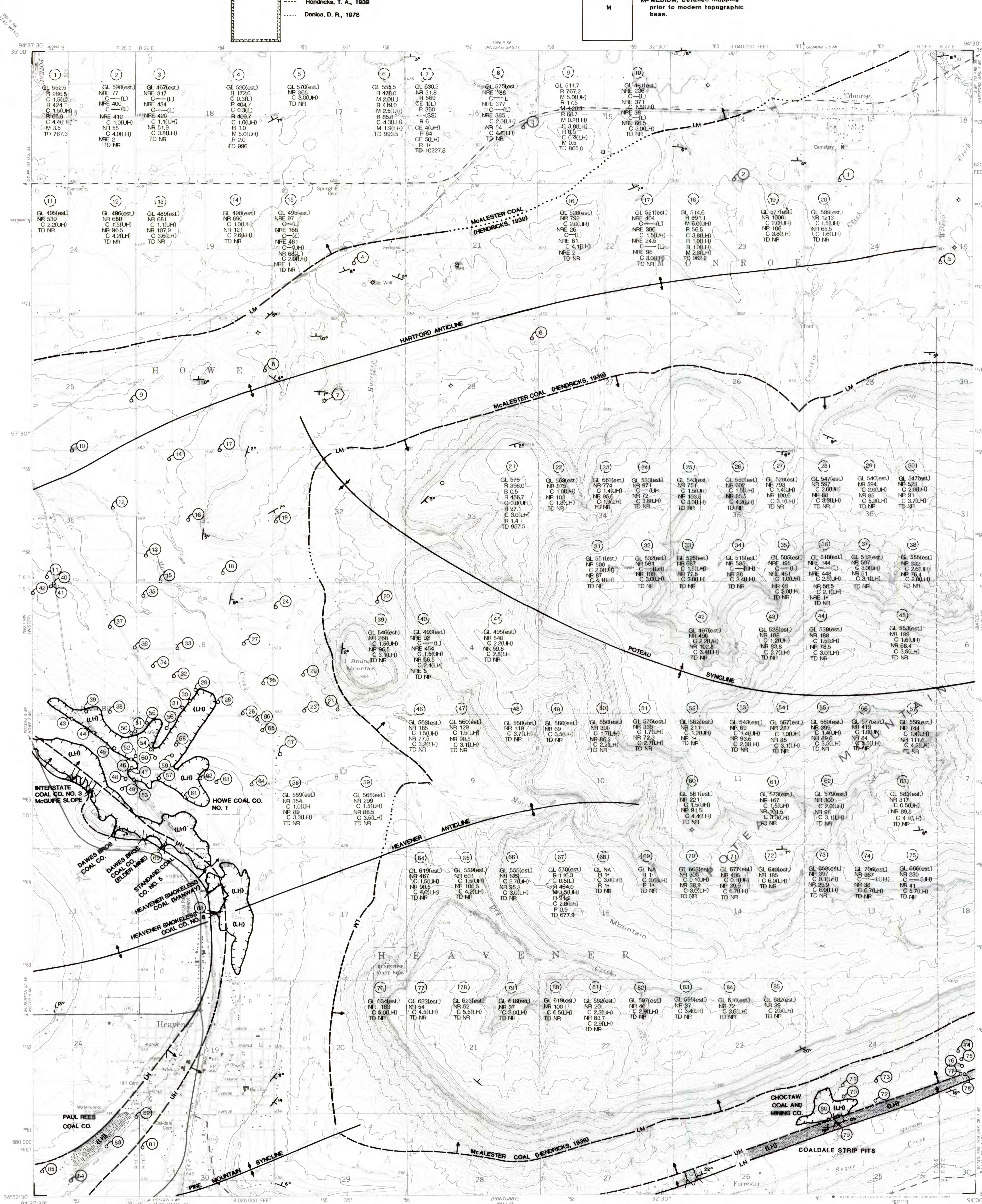
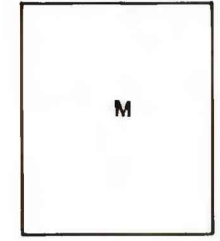
SURFACE DATA SOURCE

Refer to Appendix I for point by point subsurface data source.



SURFACE DATA RELIABILITY

Refer to Appendix I for point by point subsurface data reliability.



- EXPLANATION
Location or drilling well
Dry Hole
Gas Well
Oil Well
Oil & Gas Well
Abandoned Oil Well
Abandoned Gas Well
WELL SYMBOLS
Location of drilling well
Dry Hole
Gas Well
Oil Well
Oil & Gas Well
Abandoned Oil Well
Abandoned Gas Well
WELL SYMBOLS

WELL LOGS - Showing well data in feet. Letters designate either the coal bed name as listed below, or the top of the Hartshorne sandstone formation...

COAL TEST HOLE - Showing drill-hole data in feet. Letters designate name of coal bed as listed below. Index number refers to hole on Plate 3 of CRO map.

COMPOSITE MINE SECTION - Abandoned mine, showing rock interval and thickness of coal, in feet. Letters and numbers designate name of coal bed as listed below...

DRILL HOLE, MEASURED SECTION, AND COMPOSITE MEASURED SECTION DATA SYMBOLS
L Local (unnamed) coal bed
SE Secor Coal
LM Lower McAlester (Stigler) Coal
UH Upper Hartshorne Coal
LH Lower Hartshorne Coal
LH Hartshorne Coal

TRACE OF COAL BED OUTCROP - Showing thickness of coal in feet, measured at triangle. Letters designate name of coal bed as listed above. Arrow points toward the coal bearing area...

ANTICLINE
SYNCLINE
Strike and dip: 28°; Vertical 100°; Horizontal 0°; Overturned 78°

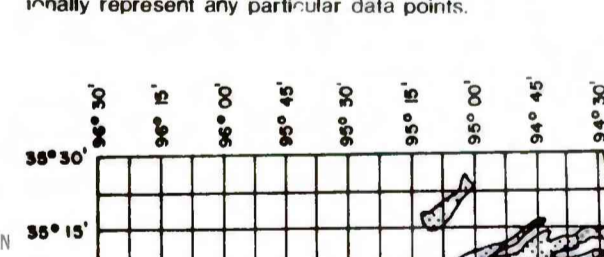
FAULT - Dashed where approximately located. Thrust faults have sawtooth on upthrown or overthrust side. Normal faults have bar and ball on downthrown side.

COAL MINE SYMBOLS
Coal mine active
Coal mine, inactive or abandoned
Slope entry, inactive or abandoned
Prospect pit

BUCK #1 (LH)
Surface coal mine showing name of mine and beds removed. Letters designate names of coal beds as listed above. Boundary is approximately located.

COAL MINE SYMBOLS
To convert feet to meters, multiply feet by 0.3048.

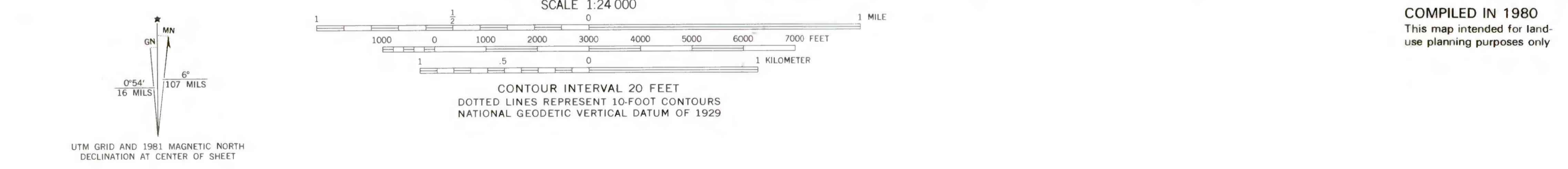
NOTE: The explanation has been compiled to depict all possible combinations of data and does not intentionally represent any particular data points.



MAP SHOWING LOCATION OF THE 7.5 MINUTE QUADRANGLE (DENSELY STIPPLED) AND THE FEDERAL COAL LANDS (LIGHTLY STIPPLED) IN SOUTHEASTERN OKLAHOMA

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

This report was prepared under contract to the U.S. Geological Survey, and has not been edited for conformity with Geological Survey editorial standards or stratigraphic nomenclature.



COMPILED IN 1980
This map intended for land-use planning purposes only.

FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE NORTHEAST QUARTER OF THE HEAVENER 15-MINUTE QUADRANGLE, LEFLORE COUNTY, OKLAHOMA
BY GEOLOGICAL SERVICES OF TULSA, INC., B. T. BRADY, USGS, AND J. L. QUERRY, BLM