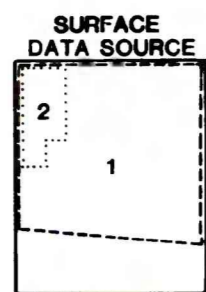
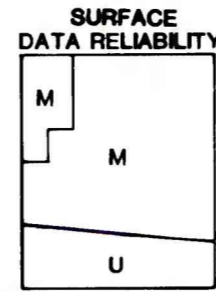


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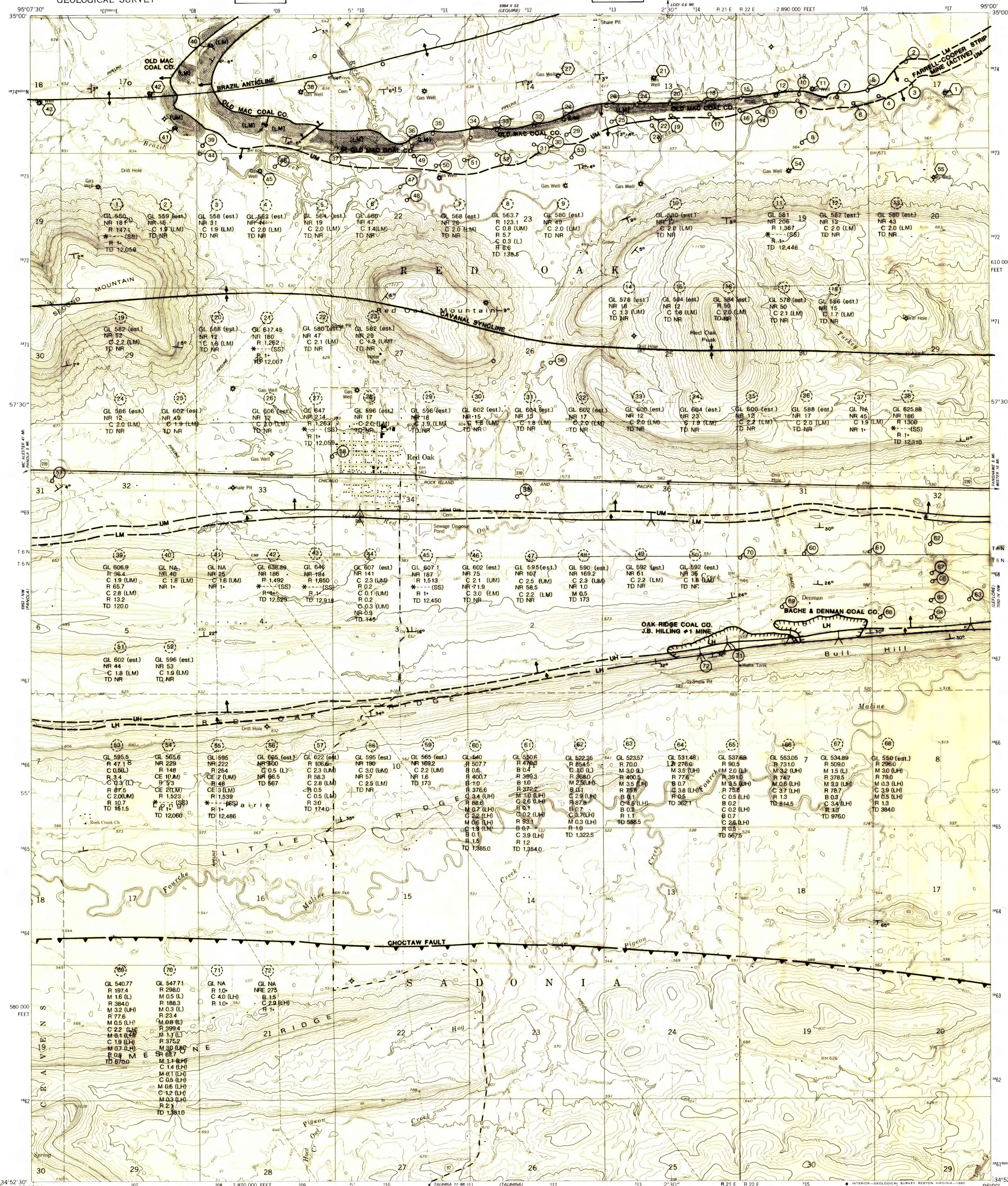
Refer to Appendix I for point by point subsurface data source

- 1. HENDRICKS, T. A., 1939
- 2. RUSSELL, D. T., 1960



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

- M-MEDIUM, detailed mapping, prior to modern topographic base map.
- U-UNMAPPED



EXPLANATION

- Location or drilling well
- Gas Well
- Dry Hole
- 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...

COMPOSITE MINE SECTION - Abandoned mine, showing rock interval and thickness of coal, in feet...

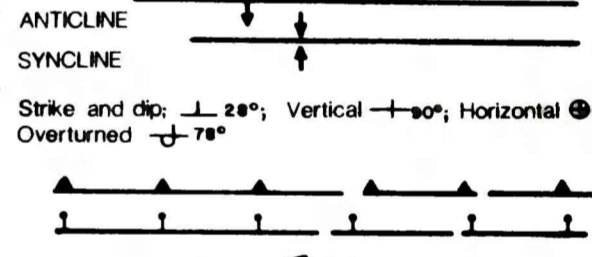
LINE OF MEASURED SECTION - Showing coal and rock thickness, in feet. Letters and numbers designate name of coal bed as listed below...

- Dashed index symbols indicate location of record elsewhere
- Ground level elevation
- Rock interval
- Coal interval (measured)
- Gross Coal interval (estimated from well log)
- Mixed Coal & Rock
- Bone Coal
- No record of lithology
- No record of lithology, thickness estimated
- Total depth

NOTE: Thickness reported to tenths of feet only when resolution of data permitted

- Local (unnamed) coal bed
- Secor Coal
- Upper McAlester (Sliger) Coal
- Lower McAlester (Sliger) Coal
- Lower Hartshorne Coal
- Lower Hartshorne Coal
- Hartshorne Coal
- COAL BED SYMBOLS AND NAMES

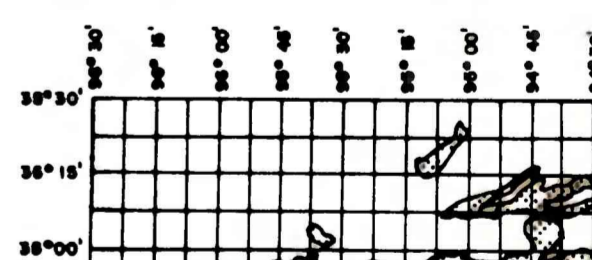
TRACE OF COAL BED OUTCROP - Showing thickness of coal in feet measured at triangle. Letters designate name of coal bed as listed above...



FAULT - Dashed where approximately located. Thrust faults have sawtooth on upthrown or overthrust side...

- Coal mine active
- Coal mine, inactive or abandoned
- Slope entry, inactive or abandoned
- Prospect pit
- Subsurface coal mine showing name of mine and beds removed...
- Surface coal mine showing name of beds removed...

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



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

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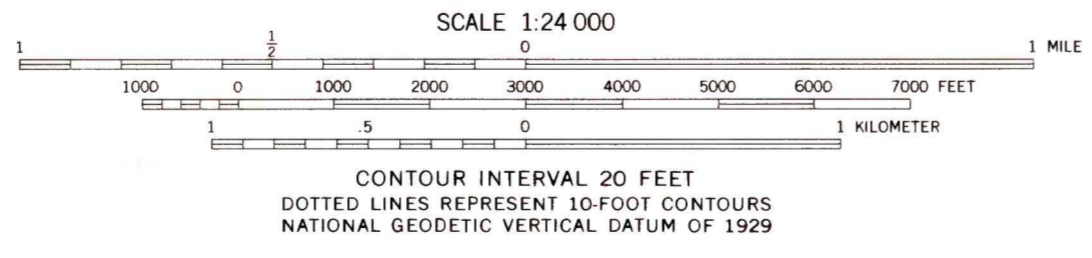
FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE NORTHEAST QUARTER OF THE RED OAK 15-MINUTE QUADRANGLE, LATIMER COUNTY, OKLAHOMA

COMPILED IN 1980

This map intended for land use planning purposes only.

BY GEOLOGICAL SERVICES OF TULSA, INC., AND B. T. BRADY, USGS

PLATE 1 COAL DATA MAP



CONTOUR INTERVAL 20 FEET. DOTTED LINES REPRESENT 10-FOOT CONTOURS. NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET