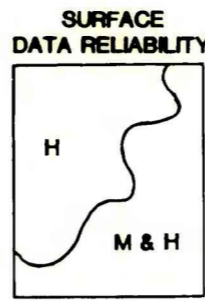
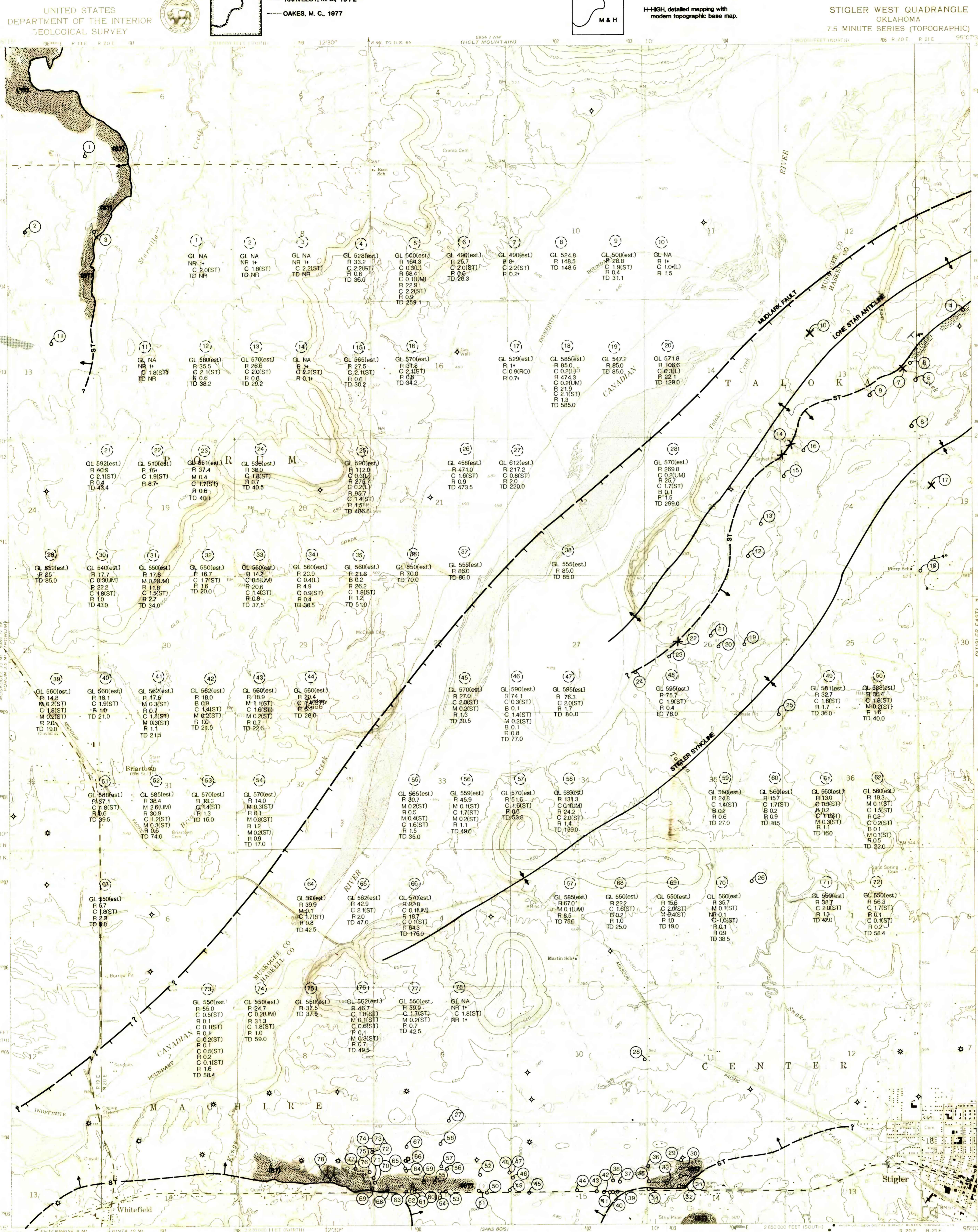


Refer to Appendix 1 for point by point subsurface data source. OAKES, M. C. & KNECHTEL, M. M., 1948; KARVELOT, M. D., 1972; OAKES, M. C., 1977



Refer to Appendix 1 for point by point subsurface data reliability. M-MEDIUM, detailed mapping prior to modern topographic base map. H-HIGH, detailed mapping with modern topographic base map.

STIGLER WEST QUADRANGLE OKLAHOMA 7.5 MINUTE SERIES (TOPOGRAPHIC)



- EXPLANATION: Location or 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 reference datum. \* Indicates the suite of logs was insufficient to verify coal occurrence.

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. Index number refers to section on Plate 3 of CRO map.

LINE OF MEASURED SECTION - Showing coal and rock thickness, in feet. Letters designate name of coal bed as listed below. Index number refers to section on Plate 3 of CRO map.

NOTE: Thickness reported to tenths of feet only when resolution of data permitted. DASHED INDEX SYMBOLS indicate location of record elsewhere.

DRILL HOLE, MEASURED SECTION, AND COMPOSITE MEASURED SECTION DATA SYMBOLS: L Local (unnamed) coal bed, SE Secor Coal, UM Upper McAlester (Stigler rider) Coal, ST Stigler (Lower McAlester) Coal, UH Upper Hartshorne Coal, LH Lower Hartshorne Coal, H 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. Dashed line indicates inferred outcrop. Contacts have been adjusted to reflect topography.

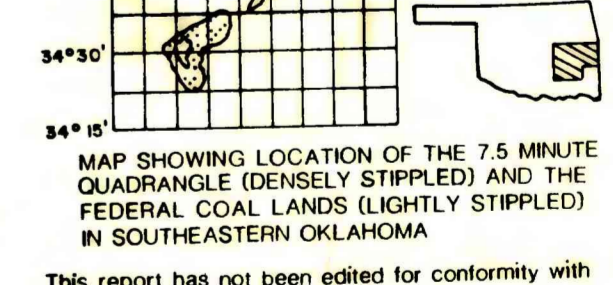
ANTICLINE, SYNCLINE, Strike and dip: 1. 28°, Vertical +90°, Horizontal 0°, Overturned -78°

FAULT - Dashed where approximately located. Thrust faults have sawtooth on upthrown or overthrust side. Normal faults have bar and ball on downthrown side. Strike-slip faults have arrows showing relative horizontal movement.

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, Letters designate names of coal beds as listed above. Boundary is approximately located.

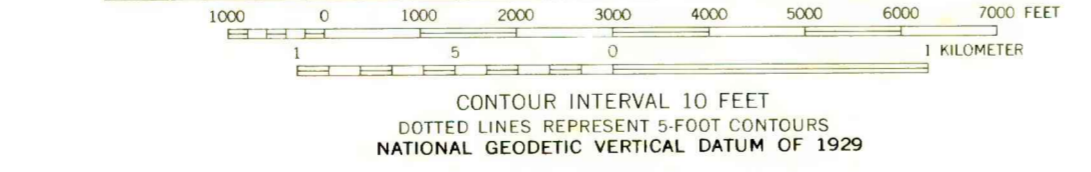
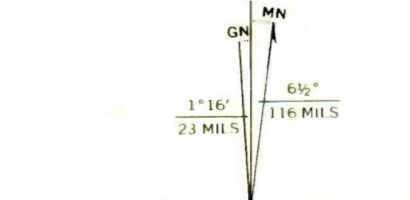
Surface coal mine showing name of beds removed. Letters designate names of coal beds as listed above. Boundary is approximately located. COAL MINE SYMBOLS: To convert feet to meters, multiply feet by 0.3048.

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



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

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ROAD CLASSIFICATION: Medium-duty, Light-duty, Unimproved dirt, State Route

STIGLER WEST, OKLA. N3515-W9507.5/7.5 1962 PHOTOREVISED 1979 AMS 6994 I SW - SERIES V883

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 AND BY OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069 A FOLDER DESCRIBING TOPOGRAPHIC MAPS IS AVAILABLE ON REQUEST

COMPILED IN 1980

FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE STIGLER WEST 7.5 MINUTE QUADRANGLE, HASKELL AND MUSKOGEE COUNTIES, OKLAHOMA BY GEOLOGICAL SERVICES OF TULSA, INC., AND B. T. BRADY, USGS