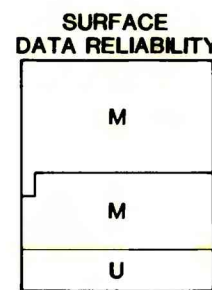


Refer to Appendix I for point by point subsurface data source



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

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.

- GL 915.0
R 845.0
C 1.0(L)
R 115.0
C 1.2(L)
R 283.0
C 7.0(UH)
R 37.0
TD 1296

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.

- NR 1+
C 4.8(LH)
NR 1+

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.

- R 1+
C 2.3(U)
R 65.0
C 3.3(L)
R 1+

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

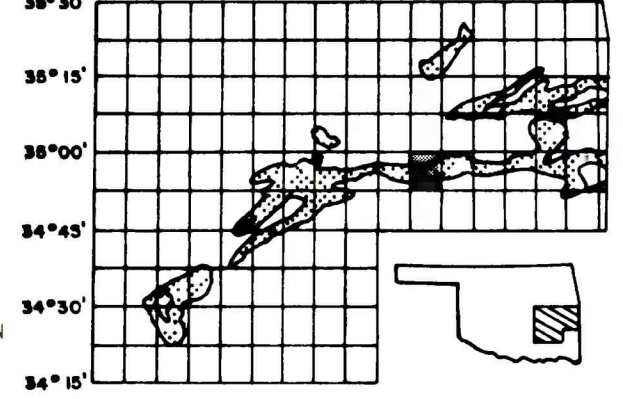
- Dashed index symbols indicate location of record elsewhere
GL - Ground level elevation
R - Rock interval
C - Coal interval (measured)
CE - Gross Coal interval (estimated from well log)
M - Mixed Coal & Rock
B - Bone Coal
NR - No record of lithology
NRE - No record of lithology, thickness estimated
TD - Total depth

NOTE: Thickness reported to tenths of feet only when resolution of data permits.
DRILL HOLE, MEASURED SECTION, AND COMPOSITE MEASURED SECTION DATA SYMBOLS

- L Local (unnamed) coal bed
SE Sector Coal
UM Upper McAlester (Stigler rider) Coal
ST Stigler (Lower McAlester) Coal
UH Upper Hartshorne Coal
LH Lower Hartshorne Coal
H Hartshorne Coal

- COAL BED SYMBOLS AND NAMES
BUCK #1 (LM)
Surface coal mine showing name of beds removed. Letters designate names of coal beds as listed above. Boundary is approximately located.

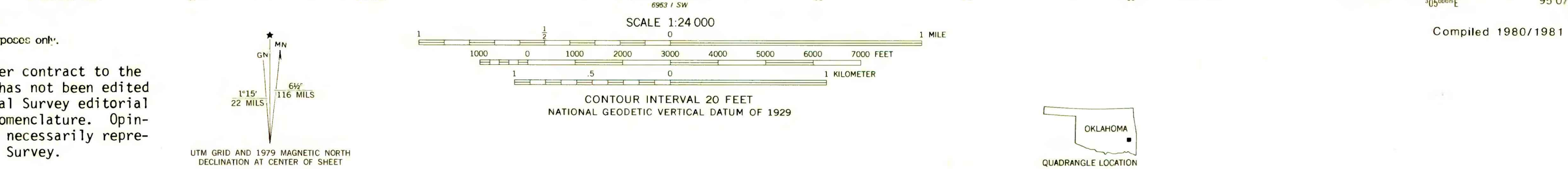
COAL MINE SYMBOLS
To convert feet to meters, multiply feet by 0.3048.
NOTE: The explanation has been compiled to depict all possible combinations of data and does not intentionally represent any particular data points.



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

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

Base from U.S. Geological Survey, 1940
This map intended for land-use planning purposes only.
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 1980/1981

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

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