SURFACE DATA SOURCE

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

---- KNECHTEL, M. M., 1949

SURFACE DATA RELIABILITY

M

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

M–MEDIUM, detailed mapping prior to modern topographic base map.

FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE BOKOSHE 7.5-MINUTE QUADRANGLE, HASKELL AND LEFLORE COUNTIES, OKLAHOMA

BY GEOLOGICAL SERVICES OF TULSA, INC., B. T. BRADY, USGS, AND J. L. QUERRY, BLM

This map intended for land-use planning purposes only.

PLATE 1
COAL DATA MAP
SHEET 1 OF 2

EXPLANATION

GL 548.1
R 280
CE 2(UM)
R 58
CE 3(LM)
R 1128
(SS)
R 1+
TD 10,528

WELL SYMBOLS

- Location or drilling well
- Dry Hole
- Gas Well
- Oil Well
- Oil & Gas Well
- Abandoned Oil Well
- Abandoned Gas Well

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. Index number refers to hole on Plate 3 of CRO map. Index number not assigned to wells for which logs of the first 3000 feet (914.4m.) interval were not available or logged interval began below the base of the Hartshorne sandstone. Refer to Appendix II for additional information concerning wells not indexed.

GL 915.0
R 8.5.0
C 1.0(L)
R 115.0
C 1.2(L)
R 289.8
C 7.0(UH)
R 37.0
TD 1296

COAL TEST HOLE - Showing drill-hole data in feet. Letters designate name of 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(UM)
R 65.0
C 3.8 (LM)
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.

Tabulation of Rock-Coal intervals shown on Plate1, Sheet 2

- 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 permitted

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

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. Arrow points toward the coal bearing area. Index number refers to section on Plate 3 of CRO map. Dashed line indicates inferred outcrop. Contacts have been adjusted to reflect topography

ANTICLINE
SYNCLINE

Strike and dip; Inclined 28°; Vertical 90°; Horizontal; Overturned 78°

FAULT - Dashed where approximately located. Thrust faults have sawteeth 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

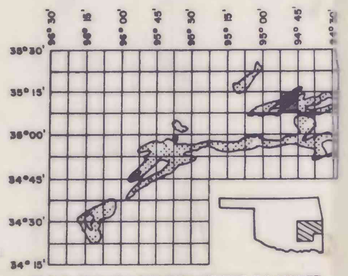
BUCK #1 (LM) — Subsurface coal mine showing name of mine and beds removed, hachures point to mined-out-areas. Letters designate names of coal beds as listed above. Boundary is approximately located.

(UM) — 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 LANDS (LIGHTLY STIPPLED) IN SOUTHEASTERN OKLAHOMA

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

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COMPILED IN 1980
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UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929