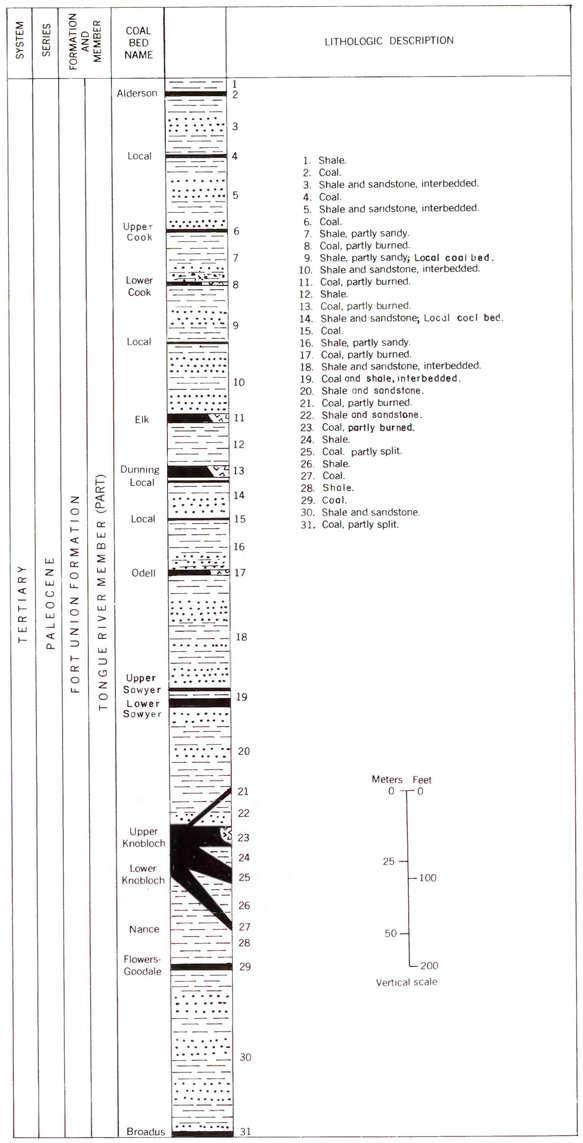
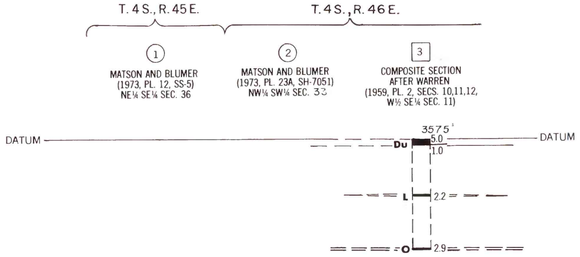
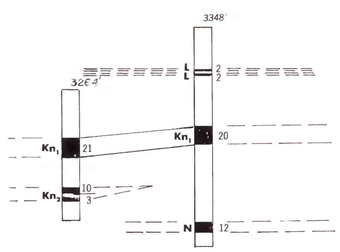
CORRELATION OF COAL BEDS IN DRILL HOLES AND COMPOSITE SECTIONS.







T. 4 S., R. 46 E. — T. 5 S., R. 46 E.

4 APACHE CORP. No. 1-13 TRUSLER SE¼ SW¼ SEC. 13

5 COMPOSITE SECTION AFTER WARREN (1959, PL. 21, SECS. 17, 20) SW¼ SEC. 24 NE¼ NW¼ SEC. 25

6 COMPOSITE SECTION AFTER WARREN (1959, PL. 21, SECS. 18, 19) SW¼ SEC. 25

7 COMPOSITE SECTION AFTER WARREN (1959, PL. 21, SECS. 21, 22, 23) SE¼ SEC. 26

8 COMPOSITE SECTION AFTER WARREN (1959, PL. 21, SECS. 14, 26, 28) NE¼ NE¼ SEC. 29; N½ NW¼ SEC. 28; S½ SE¼ SEC. 21; SW¼ SW¼ SEC. 22

9 MATSON AND BLUMER (1973, PL. 23A, SH-7146) NE¼ SW¼ SEC. 20

10 COMPOSITE SECTION AFTER WARREN (1959, PL. 21, SECS. 25, 27, 29) SW¼ SW¼ SEC. 28; S½ SEC. 29; SE¼ SE¼ SEC. 30

11 CHANDLER AND ASSOC. TEN MILE GOV. NO. 1 NW/4N W1/4 SEC. 18

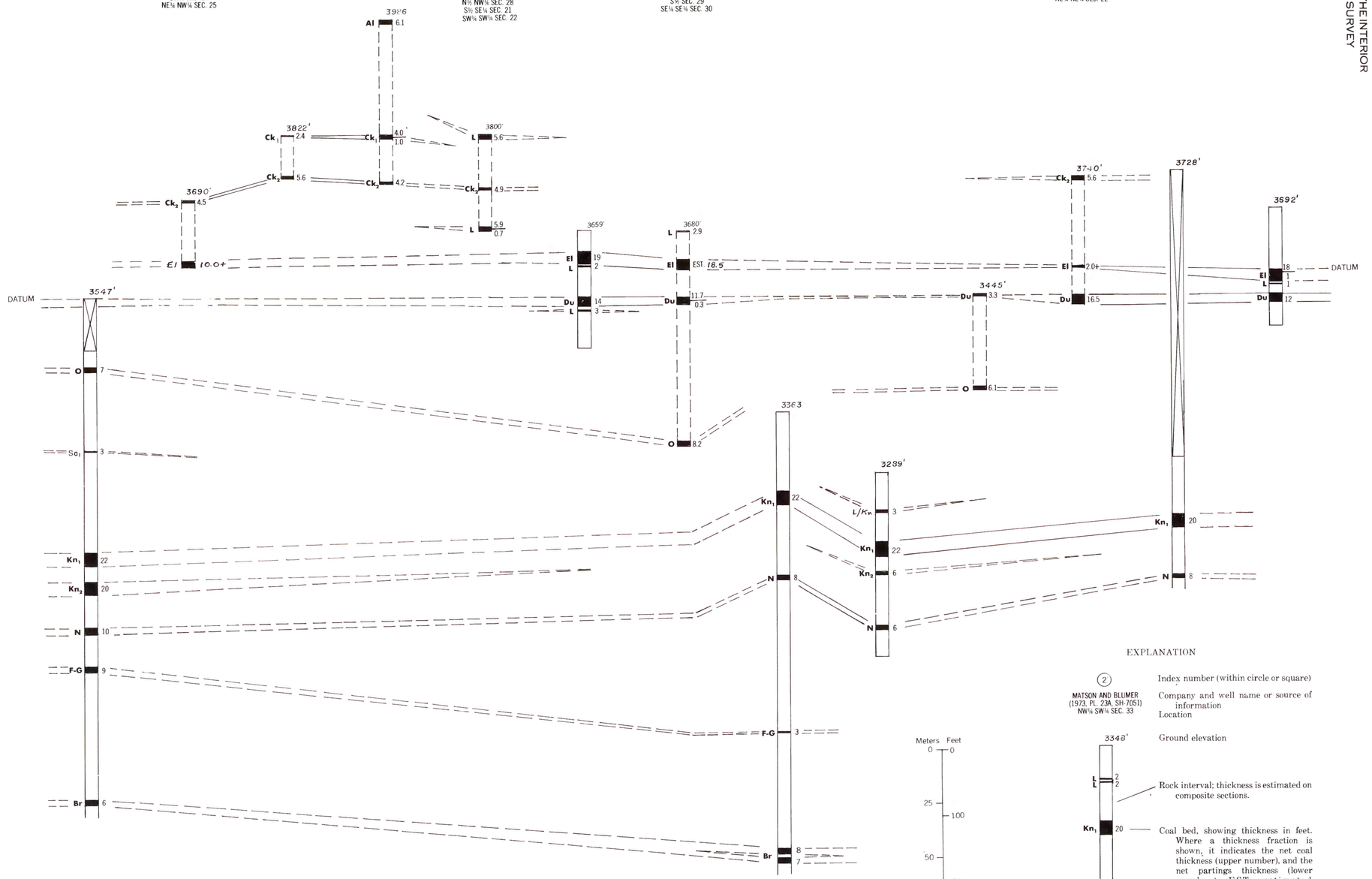
12 MATSON AND BLUMER (1973, PL. 23A, SH-7045) NW¼ SW¼ SEC. 20

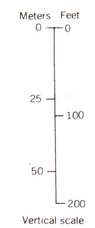
13 COMPOSITE SECTION AFTER WARREN (1959, PL. 23, SECS. 13, 17) N½ NW¼ SEC. 29

14 COMPOSITE SECTION AFTER WARREN (1959, PL. 23, SECS. 4, 7, 8) SW¼ SW¼ SEC. 15; NE¼ NE¼ SEC. 22

15 MIAMI OIL PROD. NO. 1-15 FEDERAL NW¼ SE¼ SEC. 15

16 MATSON AND BLUMER (1973, PL. 23A, SH-7144) SE¼ NW¼ SEC. 15





EXPLANATION

(2) MATSON AND BLUMER (1973, PL. 23A, SH-7051) NW¼ SW¼ SEC. 33 — Index number (within circle or square); Company and well name or source of information; Location

3348' — Ground elevation

L 2 / L 2 — Rock interval; thickness is estimated on composite sections.

Kn1 20 — Coal bed, showing thickness in feet. Where a thickness fraction is shown, it indicates the net coal thickness (upper number), and the net partings thickness (lower number). EST., estimated thickness.

No record interval

Coal Bed Symbols & Names

- Al—Alderson
- L—Local
- Ck1—Upper Cook
- Ck2—Lower Cook
- El—Elk
- Du—Dunning
- O—Odell
- Sa1—Upper Sawyer
- L/Kn—Local above Knobloch
- Kn1—Upper Knobloch
- Kn2—Lower Knobloch
- N—Nance
- F-G—Flowers-Goodale
- Br—Broadus

Column shown closed if at total depth

REFERENCES

MATSON, R.E. and BLUMER, J.W., 1973, Quality and reserves of strippable coal, selected deposits, southeastern Montana: Mont. Bur. Mines and Geol. Bull. 91, 135 p. [Original logs of drill holes were released as Montana Bureau of Mines and Geology open-file reports (and as an appendix to Bull. 91) which contain more complete information than is shown in their Bull. 91.]

WARREN, W.C., 1959, Reconnaissance geology of the Birney-Broadus coal field, Rosebud and Powder River Counties, Montana: U.S. Geol. Survey Bull. 1072-J, p. 561-585.

UNITED STATES
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GEOLOGICAL SURVEY

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PLATE 3 OF 43

OPEN-FILE REPORT
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.
Compiled in 1977

PLATE 3
COAL DATA SHEET

COAL RESOURCE OCCURRENCE MAP OF THE YAGER BUTTE QUADRANGLE, POWDER RIVER COUNTY, MONTANA

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1979