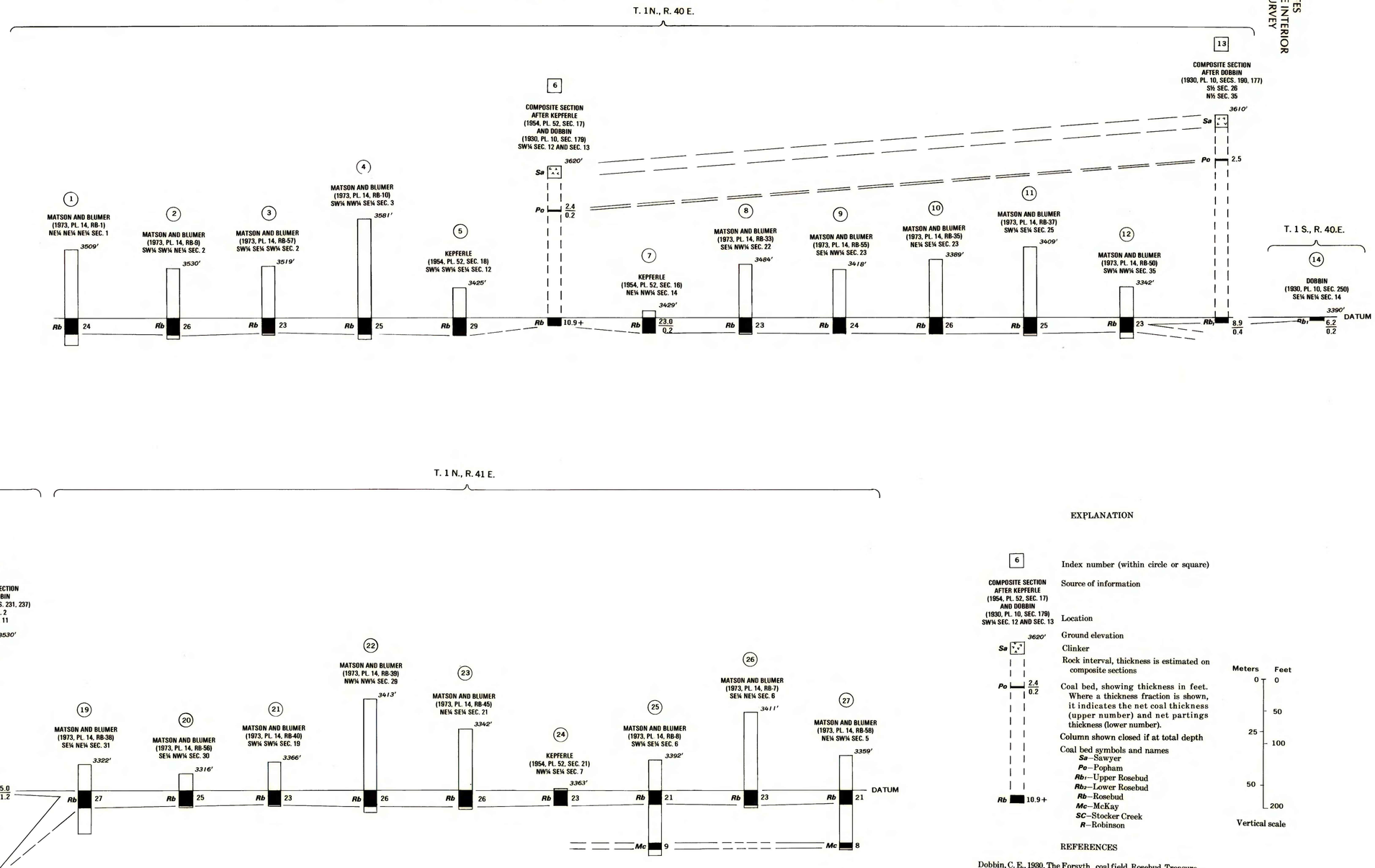
COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION	MEMBER	COAL BED NAME		LITHOLOGIC DESCRIPTION
TERTIARY	PALEOCENE	FORT UNION	TONGUE RIVER (PART)	Sawyer	1	1. Clinker formed by burning of Sawyer coal bed. Red baked shale and sandstone, up to 100 feet thick.
					2	2. Shale, gray, greenish, and olive-colored. A few gray to brown thin sandstone beds.
				Popham	3	3. Coal.
					4	4. Shale, gray, greenish, and olive-colored.
					5	5. Sandstone, yellow, soft, platy.
					6	6. Claystone, drab, gypsiferous.
					7	7. Sandstone, yellow, soft; contains many hard brown concretionary layers.
				Upper Rosebud (Lee)	8	8. Sandstone, yellow, crossbedded, in places, usually massive, fine grained, pitted clay balls.
					9	9. Sandstone, yellow, crossbedded in places, usually massive, contains clay balls, pitted.
					10	10. Shale, light gray, sandy.
				Lower Rosebud	11	11. Coal, locally burned. A section of coal 23 to 29 feet thick, which is exposed in wells in the northern part of the quadrangle, is believed to split into two thinner beds in the southern part of the quadrangle.
					12	12. Shale, gray, sandy.
				McKay	13	13. Coal, locally burned.
					14	14. Sandstone, yellow, and shale, gray, interbedded.
				Stocker Creek	15	15. Coal, locally burned.
					16	16. Sandstone, yellow.
				Robinson	17	17. Coal.

Meters / Feet: 0–0, 25–100, 50–200

Vertical scale

CORRELATION OF COAL BEDS IN DRILL HOLES, COMPOSITE SECTIONS, AND MEASURED SECTIONS



EXPLANATION

6 — Index number (within circle or square)

COMPOSITE SECTION AFTER KEPFERLE (1954, PL. 52, SEC. 17) AND DOBBIN (1930, PL. 10, SEC. 179) SW¼ SEC. 12 AND SEC. 13 — Location

3620′ — Ground elevation

Sa — Clinker

Rock interval, thickness is estimated on composite sections

Po 2.4 / 0.2 — Coal bed, showing thickness in feet. Where a thickness fraction is shown, it indicates the net coal thickness (upper number) and net partings thickness (lower number).

Rb 10.9+ — Column shown closed if at total depth

Coal bed symbols and names
- *Sa*—Sawyer
- *Po*—Popham
- *Rb1*—Upper Rosebud
- *Rb2*—Lower Rosebud
- *Rb*—Rosebud
- *Mc*—McKay
- *SC*—Stocker Creek
- *R*—Robinson

Meters / Feet: 0–0, 25–100, 50–200

Vertical scale

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PLATE 3 OF 17

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 COLSTRIP SW QUADRANGLE, ROSEBUD COUNTY, MONTANA

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1979