

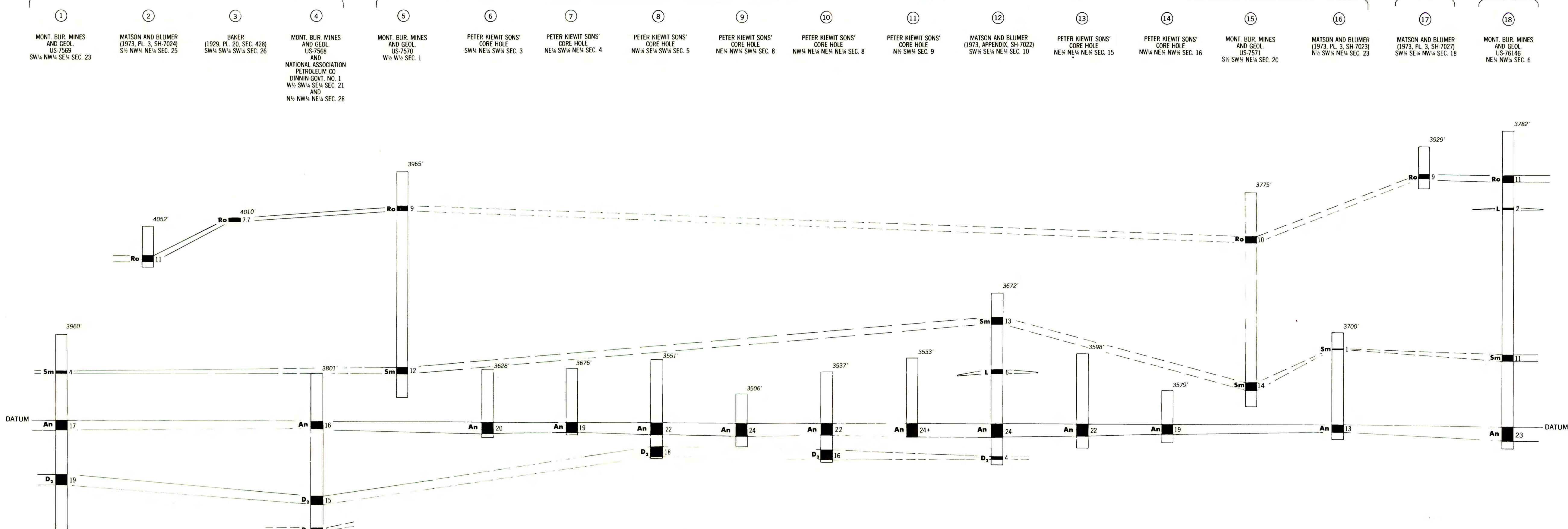
CORRELATION OF COAL BEDS IN DRILL HOLES AND MEASURED SECTIONS

T. 8 S., R. 41 E.

T. 9 S., R. 41 E.

T. 9 S., R. 42 E.

T. 10 S., R. 42 E.



Approximate elevation
of the Canyon coal bed

Approximate elevation
of the Cook coal bed

COMPOSITE COLUMNAR SECTION

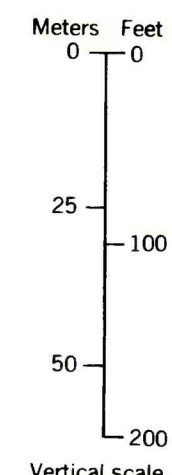
SYSTEM	SERIES	FORMATION AND MEMBER	COAL BED NAME	LITHOLOGIC DESCRIPTION
TERTIARY	PALEOCENE	FORT UNION FORMATION	TONGUE RIVER MEMBER (PART)	
				1. Sandstone and clay, interbedded.
				2. Coal and clinker.
				3. Sandstone and shale, interbedded.
				4. Coal.
				5. Sandstone and shale, interbedded.
				6. Coal and clinker.
				7. Sandstone.
				8. Shale.
				9. Coal.
				10. Shale.
				11. Sandstone.
				12. Shale.
				13. Coal and clinker.
				14. Sandstone and clay, interbedded.
				15. Coal and clinker.
				16. Siltstone.
				17. Coal.
				18. Siltstone.
				19. Coal.
				20. Clay.
				21. Sandstone, interbedded with shale; 140 feet thick.
				22. Shale and siltstone, interbedded.
				23. Coal.
				24. Shale and siltstone, interbedded.
				25. Sandstone.
				26. Siltstone.
				27. Coal.
				28. Shale.
				29. Coal.
				30. Siltstone.
				31. Coal.
				32. Shale and siltstone, interbedded.
				33. Shale.
				34. Coal.
				35. Siltstone.
				36. Shale.
				37. Siltstone.
				38. Coal.
				39. Sandstone and shale, interbedded.
				40. Coal.
				41. Shale and sandstone, interbedded; 800 to 500 feet thick.
				42. Coal.
				43. Shale.

EXPLANATION

- Index number (within circle or square)
- Source of information or company and well name
- Location
- Ground elevation
- Rock interval
- Coal bed, showing thickness in feet.
- No record interval
- Coal bed symbols and names
- Ro—Roland of Baker (1929)
- L—Local
- Sm—Smith
- An—Anderson (Dietz 1)
- D₂—Dietz 2 (Same as Dietz 1 of Matson and Blumer, 1973)
- D₃—Dietz 3 (Same as Dietz 2 of Matson and Blumer, 1973)
- W—Wall
- BA—Brewster-Arnold
- Column shown closed if at total depth

REFERENCES

- Baker, A.A., 1929. The northward extension of the Sheridan Coal Field, Big Horn and Rosebud Counties, Montana: U. S. Geol. Survey Bull. 806, Pt. 2, p. 15-67.
- 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 Bull. 91.]
- Montana Bureau of Mines and Geology and U. S. Geological Survey, 1976. Preliminary report of coal drill-hole data and chemical analyses of coal beds in Campbell, Converse, and Sheridan Counties, Wyoming; and Big Horn, Richland, and Dawson Counties, Montana: U. S. Geol. Survey Open File Report 76-450, 382 p.
- Peter Kiewit Sons Co., Written Communication, 1977.



COAL RESOURCE OCCURRENCE MAP OF THE HOLMES RANCH QUADRANGLE, BIG HORN COUNTY, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1979