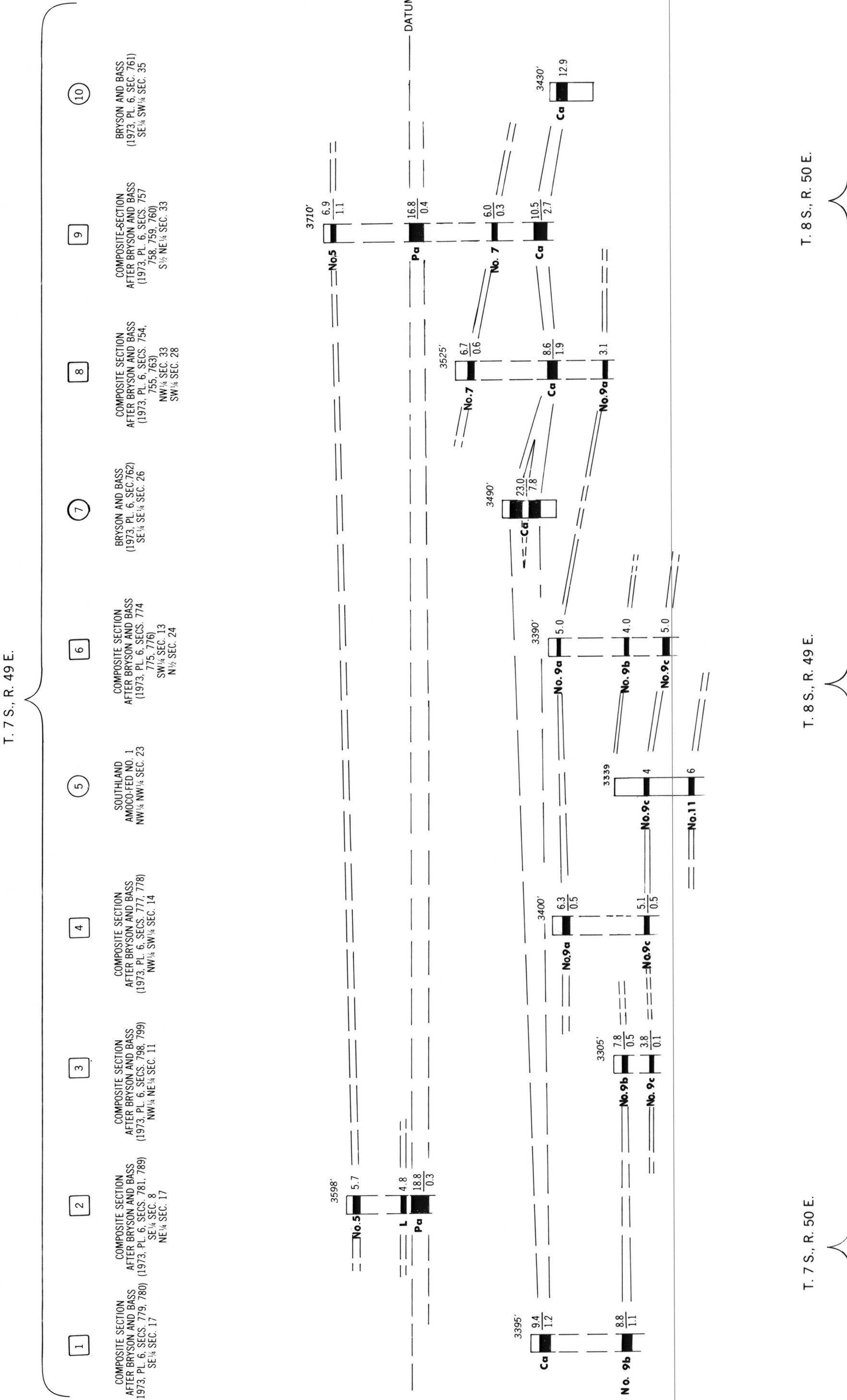


CORRELATION OF COAL BEDS IN DRILL HOLES, MEASURED SECTIONS AND COMPOSITE SECTIONS

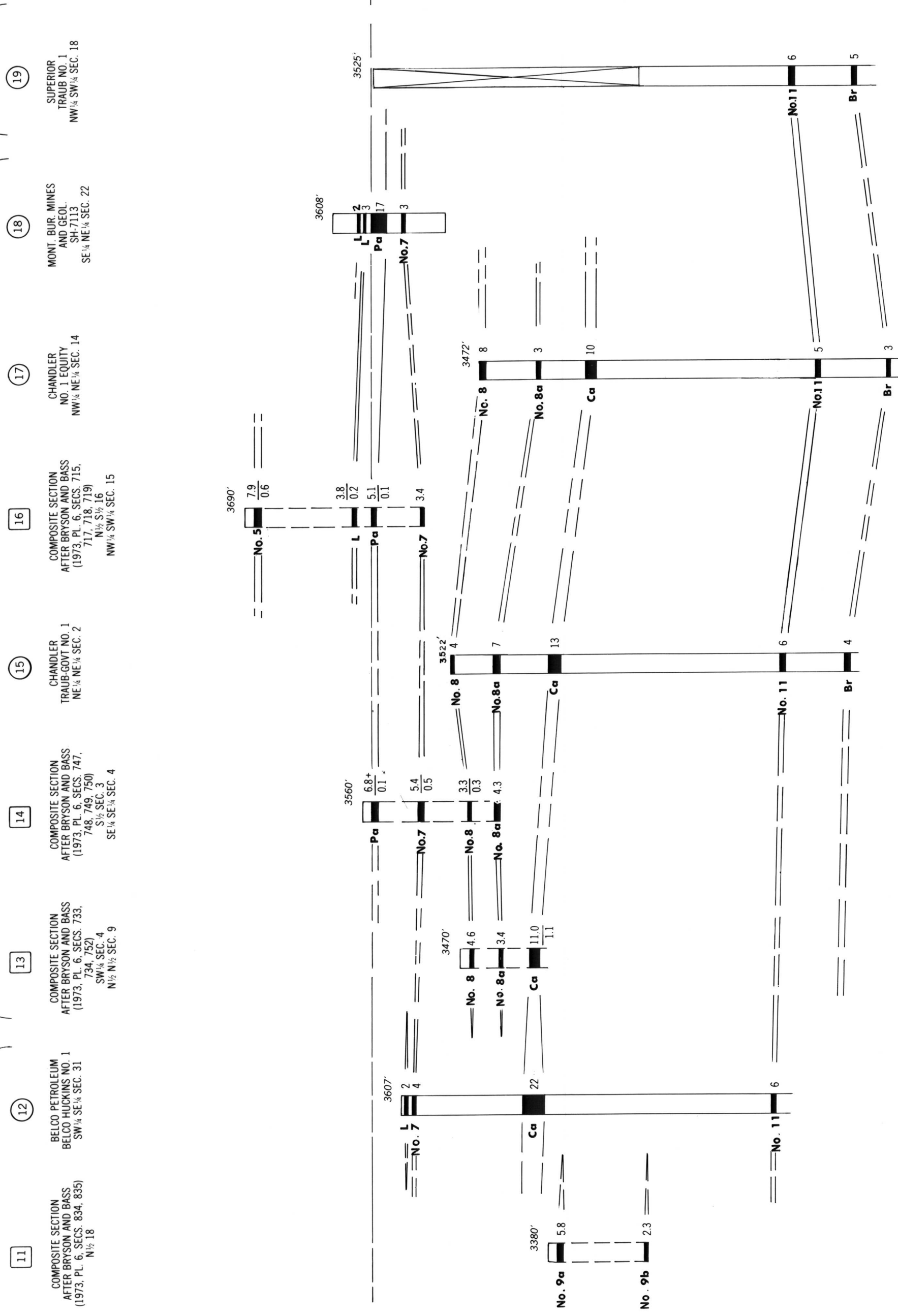
T. 7 S., R. 49 E.



T. 8 S., R. 50 E.

T. 8 S., R. 49 E.

T. 7 S., R. 50 E.



SYSTEM	SERIES	FORMATION	MEMBER	COAL BED NAME	LITHOLOGIC DESCRIPTION
TERTIARY	PALEOCENE	FORT UNION FORMATION	TONGUE RIVER MEMBER	Upper Cook	1. Shale, gray-brown, calcareous.
				Number 5 bed	2. Sandstone and shale, interbedded, gray-brown, calcareous.
				Local Pawnee	3. Sandstone, gray, calcareous.
				Number 7 bed	4. Coal, partly burned, interbedded, gray-brown, plant impressions.
				Number 8 bed	5. Shale, grayish-white, sandy, fine-grained, calcareous.
				Number 8a bed	6. Sandstone, gray, fine-grained, calcareous.
				Cache	7. Shale, grayish-white, sandy, fine-grained.
				Number 9a bed	8. Sandstone, grayish-white, tan, thin coal lenses.
				Number 9b bed	9. Coal, partly burned.
				Number 9c bed	10. Shale, blue-gray, sandy, calcareous, lenses of thin coal.
				Number 11 bed	11. Sandstone, gray, fine-grained, calcareous.
				Broadus	12. Sandstone and shale, interbedded, brown-tan, gray, calcareous, lenses of thin coal.
					13. Coal, burned in some areas.
					14. Shale, blue-gray, sandy, calcareous, lenses of thin coal.
					15. Sandstone, gray, fine-grained, calcareous.
					16. Sandstone and shale, interbedded, brown-tan, gray, calcareous, lenses of thin coal.
					17. Coal, burned in some areas.
					18. Shale, blue-gray, sandy, calcareous, lenses of thin coal.
					19. Coal.
					20. Shale, blue-gray, sandy, calcareous, lenses of thin coal.
					21. Sandstone, gray, fine-grained, calcareous.
					22. Coal, burned in some areas.
					23. Sandstone, buff-white, fine-grained.
					24. Sandstone and shale, interbedded.
					25. Coal.
					26. Siltstone and shale, interbedded, gray-brown.
					27. Shale, gray-brown, plant remains.
					28. Sandstone, tan, gray, fine-grained.
					29. Coal.
					30. Shale, brown-gray.
					31. Coal.
					32. Sandstone and shale, interbedded, brown-gray.
					33. Sandstone, brown, gray, medium-grained.
					34. Shale and siltstone, interbedded, brown-tan.
					35. Shale, brown-gray.
					36. Sandstone, tan-brown, fine-grained.
					37. Sandstone and shale, interbedded, brown-tan, gray.
					38. Shale, brown, plant remains.
					39. Sandstone, tan-brown, gray, medium-grained.
					40. Shale, gray-brown, plant remains.
					41. Shale, gray-brown, plant remains.
					42. Coal.
					43. Sandstone and shale, interbedded, tan, gray.

EXPLANATION

Index number (within circle or square)  
Company and well name or source of information  
Location

Ground elevation

No record interval

Rock interval; thickness is estimated on composite sections.

Coal bed, showing thickness in feet. Where a thickness fraction is shown, the upper number is the net partings thickness (lower number).

Coal bed symbols and names

- No. 5—Number 5 bed
- L—Local
- Pa—Pawnee
- No. 7—Number 7 bed
- No. 8—Number 8 bed
- No. 8a—Number 8a bed
- Ca—Cache
- No. 9a—Number 9a bed
- No. 9b—Number 9b bed
- No. 9c—Number 9c bed
- No. 11—Number 11 bed
- Br—Broadus

Column shown closed if at total depth

REFERENCES

Bryson, R. P. and Bass, N. W. 1973. Geology of Moorhead coal field, Powder River, Big Horn, and Rosebud Counties, Montana. U. S. Geol. Survey Bull. 1338, 116 p.  
Montana Bureau of Mines and Geology, 1977. Open File Report.

COAL RESOURCE OCCURRENCE MAP OF THE HUCKINS SCHOOL QUADRANGLE, POWDER RIVER COUNTY, MONTANA

BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979