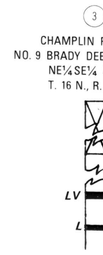
COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION	COAL BED NAME		LITHOLOGIC DESCRIPTION
TERTIARY	PALEOCENE	FORT UNION (FORMATION)		1	1. Siltstone, gray, dolomitic and thin beds, of argillaceous, soft sandstone
				2	2. Sandstone, gray, very fine grained, soft
				3	3. Shale and sandstone, interbedded, soft
				4	4. Siltstone, gray, dolomitic, hard, weathers to brown knobby ridge
				5	5. Sandstone, gray, very fine grained, argillaceous, soft
				6	6. Sandstone, gray, very fine grained, argillaceous, and interbedded gray soft shale and dolomitic siltstone
			Local	7	7. Shale, dark brown, carbonaceous, and coal
				8	8. Shale, gray, silty, soft, containing thin beds of dark brown to black carbonaceous and coaly shale and argillaceous sandstone beds
			Local	9	9. Coal containing brown and gray carbonaceous shale partings
				10	10. Covered interval
				11	11. Sandstone, gray, very fine grained, partly argillaceous, partly calcareous
				12	12. Siltstone, shale and sandstone interbedded; includes beds of brown carbonaceous shale
				13	13. Sandstone, gray, very fine grained, partly calcareous and argillaceous: contains thin beds of gray shale
			Big Burn	14	14. Coal and carbonaceous shale
			Local		
				15	15. Sandstone, gray, very fine grained, calcareous and argillaceous, soft, locally crossbedded and hard
			Local	16	16. Coal and carbonaceous shale
				17	17. Shale, siltstone and sandstone: Shale, gray, soft; siltstone, gray, dolomitic; sandstone, thin bedded
				18	18. Sandstone and shale: Sandstone, gray, partly argillaceous, partly hematitic, some beds, calcareous; shale, dark grayish brown, carbonaceous
				19	19. Shale, sandstone and siltstone: Shale, gray, soft interbedded with thin beds of gray sandstone, siltstone, gray, limy
			Local	20	20. Sandstone, shale and coal: Sandstone, gray, argillaceous; shale, gray, carbonaceous, containing thin beds of coal
			Local		
				21	21. Shale and sandstone: Shale in part carbonaceous in part interbedded with thin beds of limy siltstone; sandstone gray, very fine grained, argillaceous partly hematitic
			Local	22	22. Shale and coal: Shale carbonaceous, includes one bed of concretionary, hematitic calcareous siltstone
			Local	23	23. Shale, gray, sandy and silty, and interbedded gray, very fine grained argillaceous sandstone
					Unconformity
			Local	24	24. Siltstone, shale and coal: Siltstone, gray, limy, hard; shale, dark brown, carbonaceous, coal, in thin beds
				25	25. Shale, gray, soft with thin beds of gray, limy, hematitic siltstone
				26	26. Sandstone, gray, very fine grained, calcareous, interbedded with gray dolomitic siltstone and gray shale
			Local	27	27. Shale and coal
			Local		
				28	28. Sandstone and shale: Sandstone, gray, very fine grained, lenticular
			Local Little Valley		
			Local		
			Local		
					Unconformity
CRETACEOUS	UPPER CRETACEOUS	LANCE (FORMATION)	French Bluff	29	29. Shale,sandstone and coal: Shale, dark-gray, carbonaceous: Sandstone, gray, very fine grained, calcareous argillaceous; coal in dark-gray carbonaceous shale
		FOX HILLS SANDSTONE		30	30. Sandstone, gray, very fine to fine grained, soft, weathers white
				31	31. Shale, very dark gray, sandy, interbedded with thin beds of gray, very fine grained calcareous sandstone

EXPLANATION



Index number

Company and well name

Well or measured section location

Altitude of drill hole at surface

No record

Altitude of top of recorded log

Altitude of top of reference horizon

Rock interval

Coal bed, showing thickness in feet

BB—Big Burn (Nuttal)
LV—Little Valley
FR—French
BL—Bluff
BZ—Buzzard
SH—Shrike
MA—Mallard
RO—Robin
ML—Meadowlark
MP—Magpie
MD—Mourning dove
L—Local coal bed

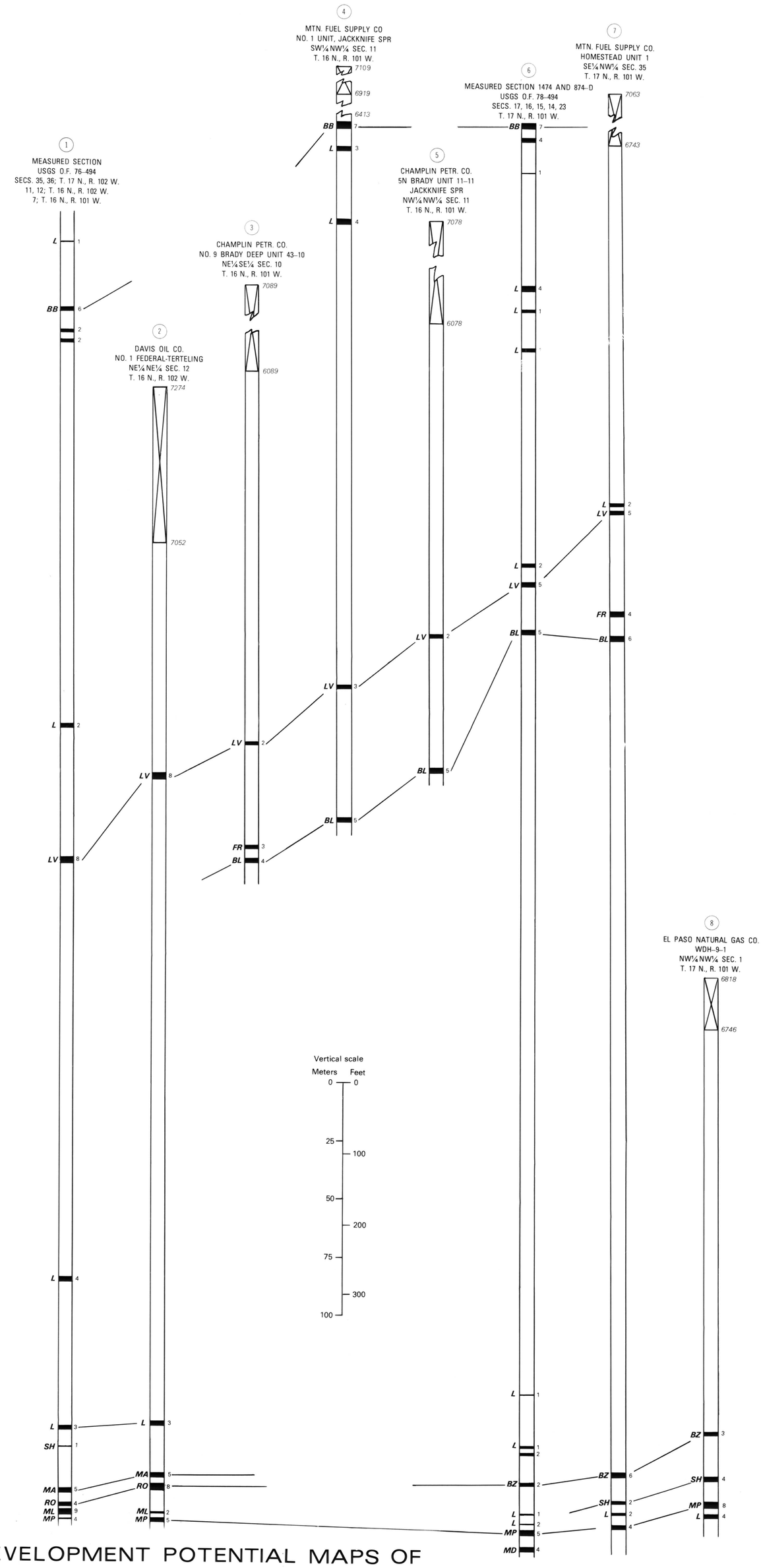
COAL BED SYMBOLS AND NAMES

REFERENCES

Roehler, H. W., 1976, Geology and mineral resources of the Cooper Ridge NE quadrangle, Sweetwater County, Wyoming: U.S. Geol. Survey Open-File Report 76-494.

COMPOSITE COLUMNAR SECTION (CONTINUED)

SYSTEM	SERIES	FORMATION	COAL BED NAME		LITHOLOGIC DESCRIPTION (CONTINUED)
CRETACEOUS	UPPER CRETACEOUS	LEWIS SHALE		32	32. Shale, very dark gray, soft; contains two beds of gray, dolomitic, concretionary siltstone, and one bed of granular limestone that weathers brown
		ALMOND FORMATION		33	33. Sandstone, gray, very fine grained, calcareous, crossbedded
				34	34. Covered interval
				35	35. Sandstone, gray, very fine grained calcareous
				36	36. Covered interval
				37	37. Shale, gray, soft
				38	38. Sandstone, gray, very fine grained
				39	39. Shale, gray, silty; contains thin bed of gray, limy siltstone
				40	40. Sandstone, gray, very fine grained
			Local	41	41. Shale, dark gray, carbonaceous, and coal
				42	42. Sandstone, gray, very fine grained calcareous, interbedded with gray, soft, partly carbonaceous shale
			Local Buzzard	43	43. Shale and coal: Shale, dark-gray, carbonaceous
				44	44. Sandstone, gray, very fine grained, calcareous, crossbedded
			Shrike		
			Local		
			Mallard		
			Robin	45	45. Shale, sandstone, and coal: Shale, dark-gray, silty, and brown, carbonaceous, soft; sandstone, gray, limy; coal generally in carbonaceous shale
			Meadow-lark		
			Magpie		
			Mourning-dove		



COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE COOPER RIDGE NE QUADRANGLE, SWEETWATER COUNTY, WYOMING

BY WALTER DANILCHIK

1978

PLATE 3
COAL DATA SHEET

OPEN-FILE REPORT
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.
OPEN FILE REPORT 78-033
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