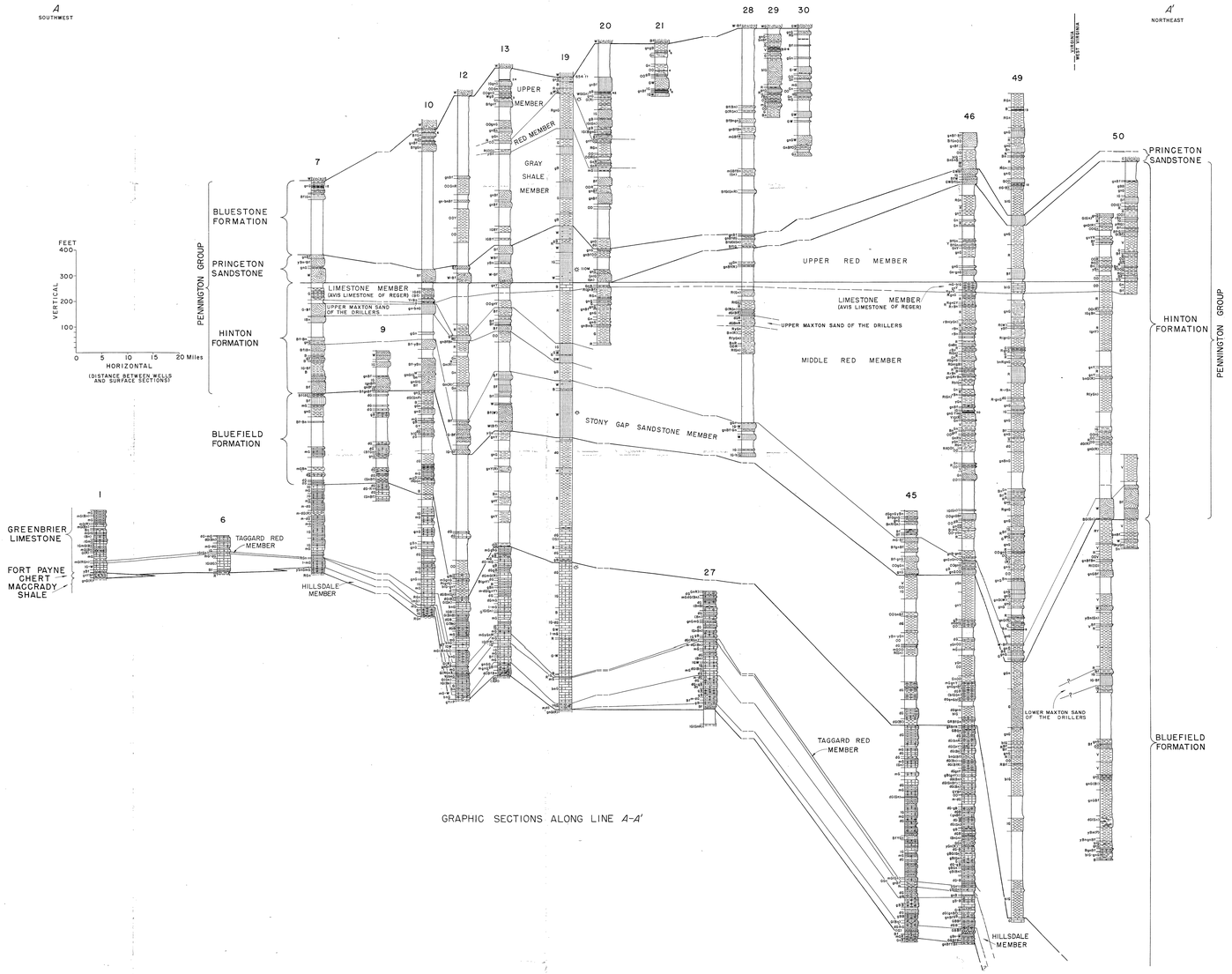

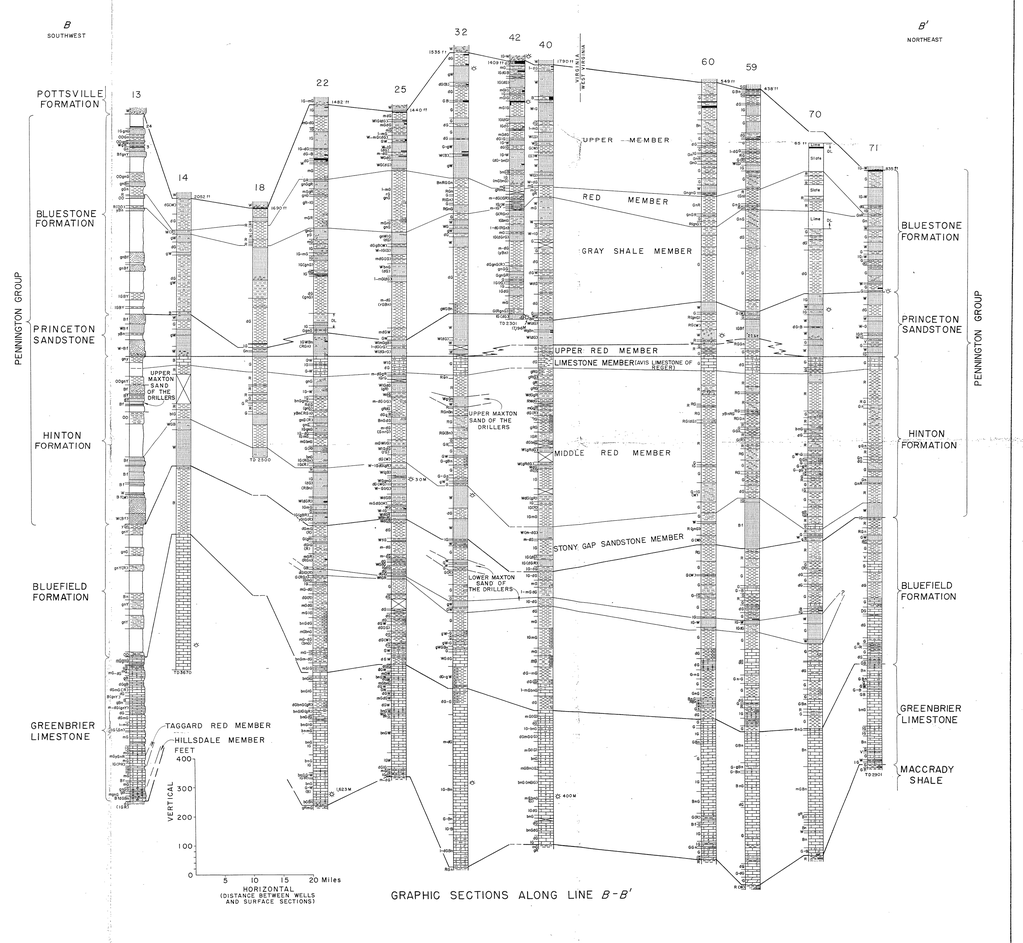

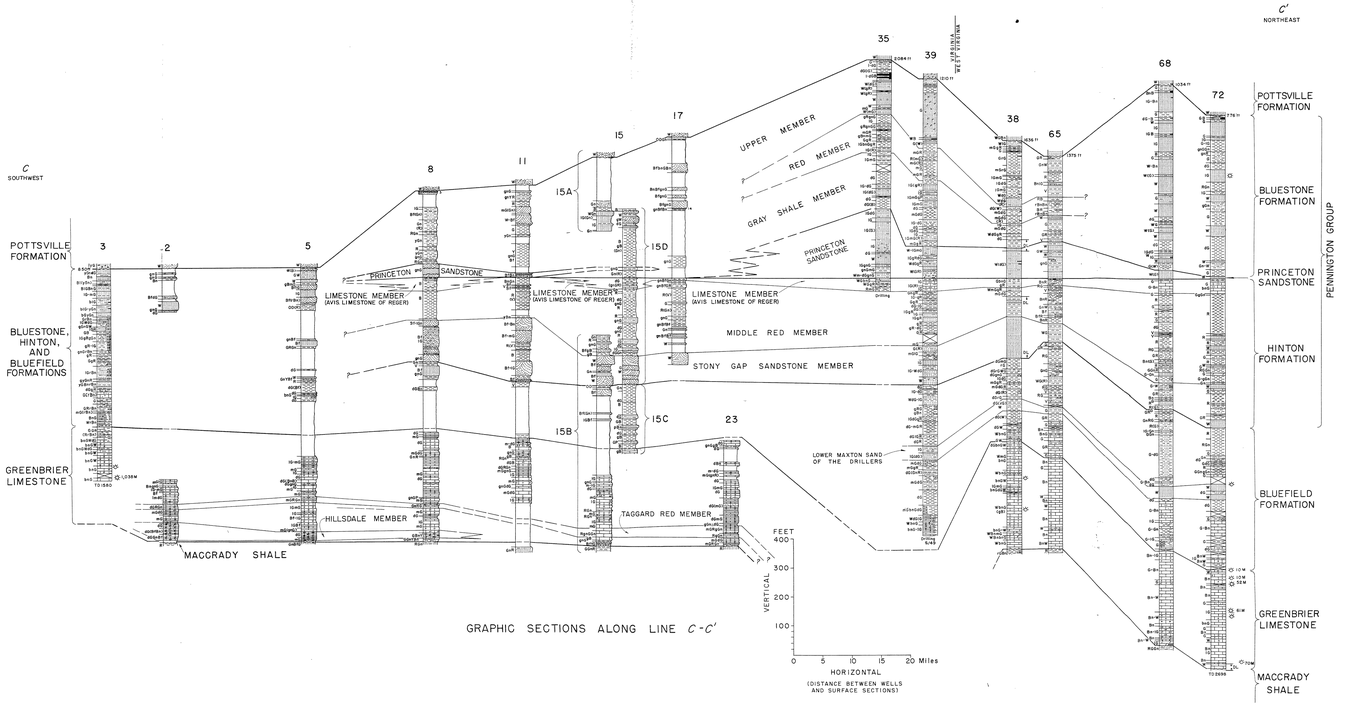

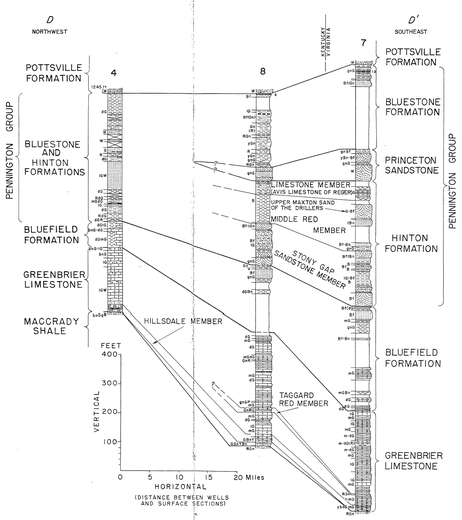

EXPLANATION

LITHOLOGY

LIMESTONE: Limestone; Oolitic; Cherty; Sandy; Shaly; Silty; Conglomeratic; Dolomitic

Dolomite

Chert

Anhydrite

SHALE: Shale; Calcareous; Dolomitic; Sandy

SILTSTONE: Siltstone; Calcareous; Dolomitic

SANDSTONE: Even-bedded; Cross-bedded; Shaly; Calcareous; Dolomitic

Conglomerate or conglomeratic

Coal bed — Thickness indicated in inches

Coal bed — Inferred

Disconformity

Gas zone — Volume gauged in thousands of cubic feet per day

Showing of gas

Showing of oil

Drillers log

No samples — Blank if interval is small

Surface section — Covered intervals blank

ABBREVIATIONS USED TO DESIGNATE THE COLOR OF THE ROCK

Bluish	bl	Black	k
Brownish	br	Blue	lb
Grayish	g	Brown	lbr
Greenish	gn	Buff	bf
Purplish	p	Gray	lg
Reddish	r	Green	lgn
Yellowish	y	Olive-drab	OD
		Purple	lp
		Red	lr
Light	l	Variegated	v
Medium	m	White	w
Dark	d	Yellow	ly

Hyphen indicates the word "to" and is only used between two colors

If several colors are present in a unit, no hyphen is used. The same is true for adjectives, where more than one modifies the same color

Parentheses indicate small amounts or traces of the color or colors which are enclosed

EXAMPLES

Gray and brown	Gbn
Gray to brown	G-Bn
Grayish brown	gBn
Gray, brown, and red	GbnR
Gray, brown, and traces of some grayish red and green	Gbn(gRGn)
Light, medium, and dark gray	lmG

T.D. 2500

Total depth, in feet, of well indicated only where the well was completed in the stratigraphic sequence included in this report

Depth of base of Pottsville formation indicated at contact of Bluestone and Pottsville formations

Percentage sample logs used in parts of graphic sections where samples were of mixed lithologies

Locations of wells are shown on pl 27 and given in table 1

Boundaries of color units indicated on left side of well or surface section and do not necessarily coincide with lithologic boundaries

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GRAPHIC SECTIONS ALONG LINES A-A' THROUGH D-D', UPPER MISSISSIPPIAN ROCKS OF SOUTHWESTERN VIRGINIA, SOUTHERN WEST VIRGINIA, AND EASTERN KENTUCKY