

Figure 2—Correlation chart of Proterozoic, Cambrian, and Ordovician rocks along section B-B and in the adjoining Lebanon Valley allochthon and Reading Trough of Lebanon County, Pennsylvania. Absolute age (in Ma) is taken from the Geological Time Scale compiled by Pater (1983). The time scale is nonlinear. North American chronostratigraphic units are modified after Barnes and others (1981), Ross and others (1982), and Palmer (1983).

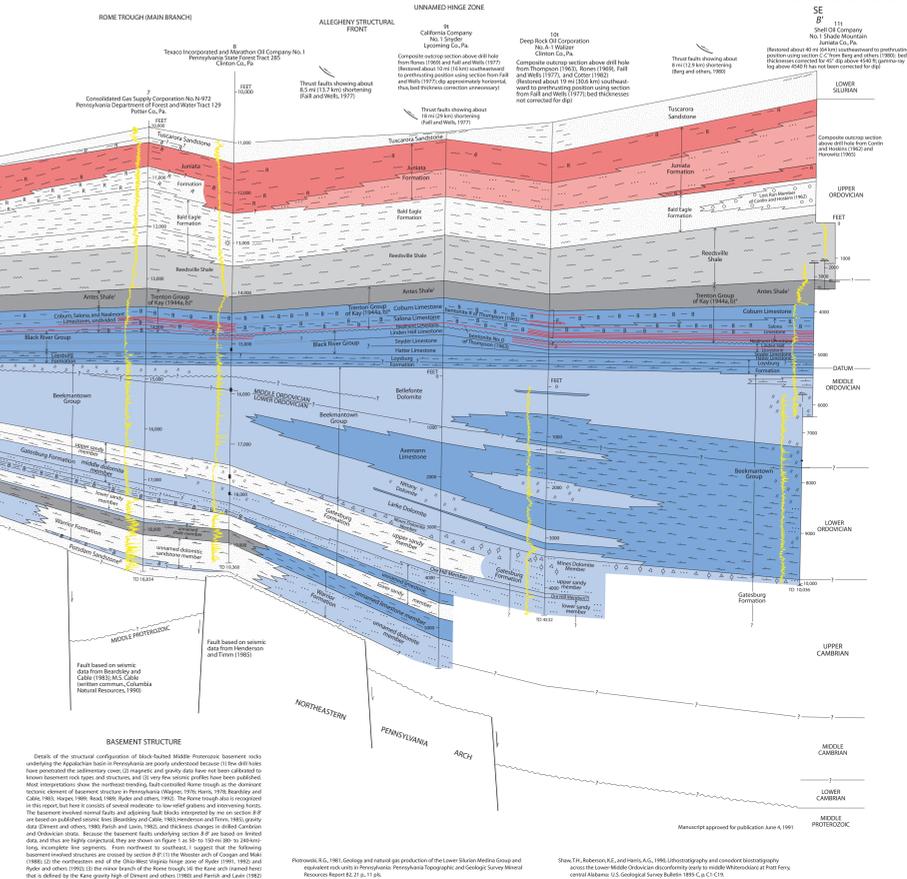


Table 1. Descriptions of drill holes used to construct section B-B

Number	Name	Location	Thrust Fault	Lithology	Core Interval (feet)	Total Interval (feet)	Age of about (Ma)
1	Cathia Chemicals Incorporated, Lake Co., Ohio	Perry Township, Adams County, Ohio	Yes	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	5,207-5,217 (8)	6,075	Middle Proterozoic
2	Quaker State Oil and Refining Corporation, No. 1 Rubicon	Jefferson Township, Adams County, Ohio	Yes	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	6,440	6,440	Late Cambrian (Pike Formation)
3	U.S. Oil and Oil Company, No. 1 Rubicon	Meigs Township, Adams County, Ohio	Yes	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	6,070	6,070	Middle Proterozoic
4	Benedum and Ackerman-Quaker State Company, No. 1 Rubicon	Lincoln township, Adams County, Ohio	2007	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	6,031	6,031	Middle Proterozoic
5	Ohio Union quarrying, No. 1 Shaw	Warren County, Pa.	211	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	8,308	8,308	Late Cambrian (Shawburg Formation)
6	Mineral Run Oil Company, No. 1 Shaw	Derry, Ohio	2020	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	11,879	11,879	Middle and Late Cambrian (Pike Formation)
7	Consolidated Gas Supply Corporation, No. 1272	Taylorville township, Adams County, Pa.	142	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	18,834	18,834	Middle and Late Cambrian (Pike Formation)
8	Consolidated Gas Supply Corporation, No. 1272	Clinton quarry, Adams County, Pa.	2021b	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	15,046-15,147 (102)	16,360	Middle and Late Cambrian (Pike Formation)
9	Cathia Chemicals, No. 1 Stryker	Lincoln township, Adams County, Pa.	5-1	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	5,803	5,803	Middle and Late Cambrian (Pike Formation)
10	Deep Rock Oil Corporation, No. 1 Vinton	Logan township, Adams County, Pa.	5-1	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	4,522	4,522	Late Cambrian (Shawburg Formation)
11	Shel Oil Company, No. 1 Shale	McIntire township, Adams County, Pa.	1	Sandy, silty, agglauvous, gray and (or) green, agglauvous, red, calcareous, dolomitic	7,502-7,502 (0)	10,010-10,010 (0)	Late Cambrian (Shawburg Formation)

STRATIGRAPHIC FRAMEWORK OF CAMBRIAN AND ORDOVICIAN ROCKS IN THE CENTRAL APPALACHIAN BASIN FROM LAKE COUNTY, OHIO, TO JUNIATA COUNTY, PENNSYLVANIA

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