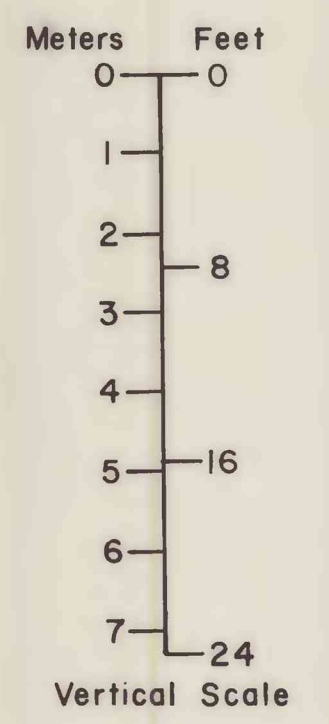
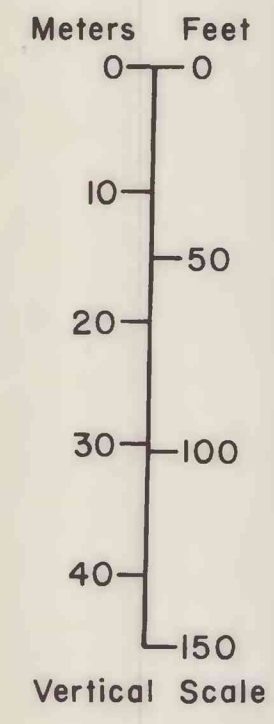


COMPOSITE COLUMNAR SECTION

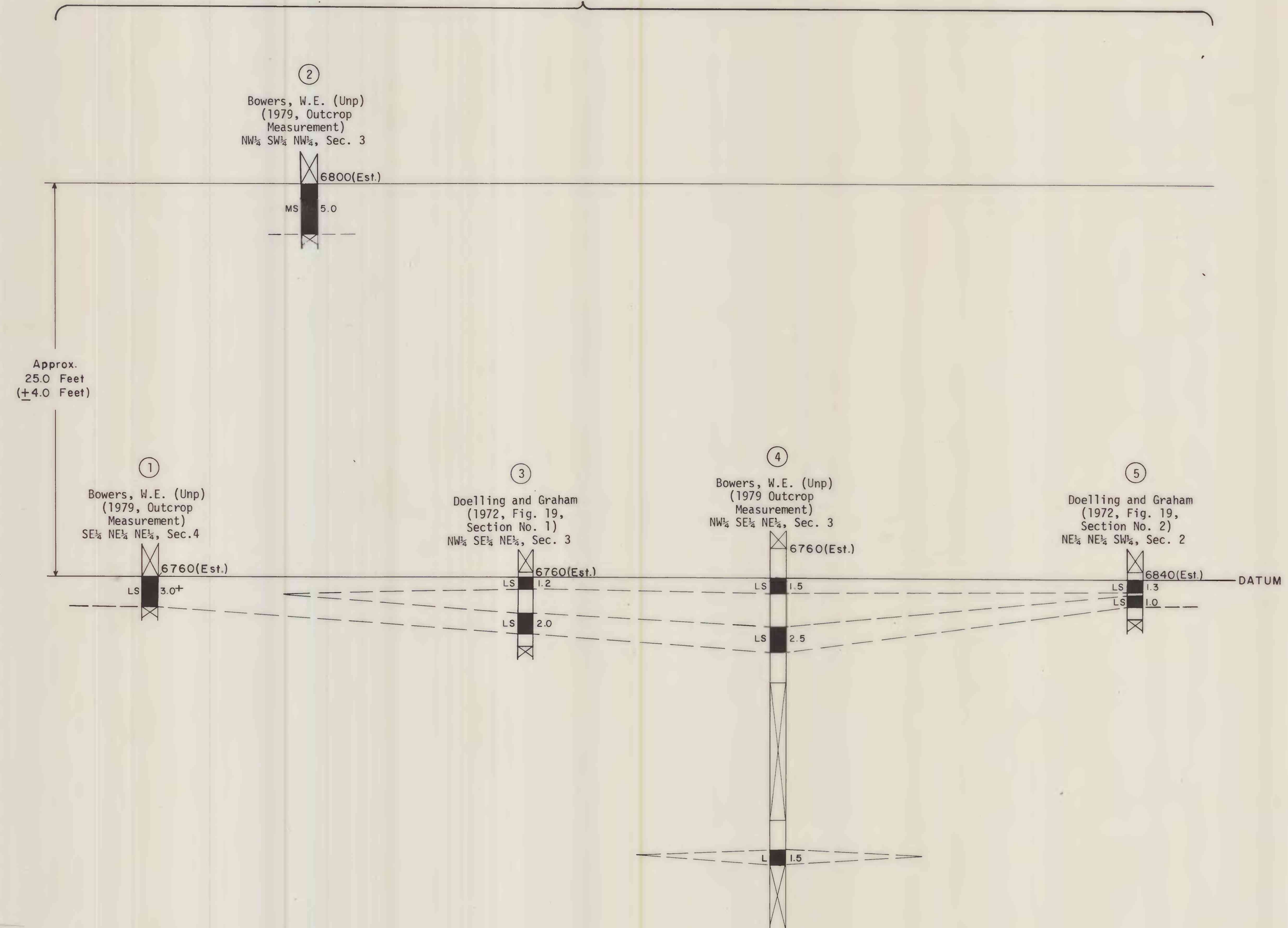
SYSTEM	SERIES	FORMATION	COAL ZONE NAME	LITHOLOGIC DESCRIPTION
CRETACEOUS	UPPER	DAKOTA FORMATION	Smirl Zone Middle Lower Local Bald Knoll Zone	1 Tropic shale and upper part of Dakota sandstone generally covered by quaternary gravel.
				2 Coal 1 to 5 feet thick with interbedded shale and sandstone. Upper Smirl bed covered.
				3 Sandstone, yellow-gray.
				4 Coal, local and very thin (1.5 ± feet).
				5 Alternating gray shale, yellow and tan shaley sandstones up to 150 feet thick.
				6 Coal, 2 to 3 feet thick.
				7 Shale and sandstone often with coal fragments.
				8 Shale, gray, dark bentonitic shale or carbonaceous shale.
				9 Angular unconformity.
				10 Sandstone, white earthy weathering underlies most of the Dakota; reddish brown fine-grained sandstones and siltstones of the Carmel locally occur directly below the Dakota.
JURASSIC	UPPER	CARMEL ENTRADA		



EXPLANATION

- INDEX NUMBER
- NAME AND IDENTIFICATION NUMBER OF MEASURED SECTION
- LOCATION OF MEASURED SECTION.
- NO RECORD OF LITHOLOGY.
- ALTITUDE OF TOP OF MEASURED SECTION. (Est.) ESTIMATED FROM TOPOGRAPHIC BASE.
- ROCK INTERVAL.
- COAL BED SHOWING THICKNESS IN FEET.
- COAL BED SYMBOLS AND NAMES.
MS = MIDDLE SMIRL
LS = LOWER SMIRL
L = LOCAL
- COLUMN SHOWN CLOSED IF AT TOTAL DEPTH.

T. 40 S, R. 4W



This report was prepared under contract to the U.S. Geological Survey and has not been edited for conformity with Geological Survey standards and nomenclature. Opinions, and conclusions expressed herein do not necessarily represent those of the Geological Survey.

Compiled in 1978/1979

PLATE 3
COAL DATA SHEET