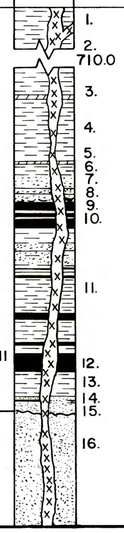
CORRELATION OF COAL BEDS IN DRILL HOLES AND MEASURED SECTIONS

COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION	MEMBER	COAL ZONE NAME
CRETACEOUS	UPPER	TROPIC SHALE		
		DAKOTA FORMATION		Smirl Zone
				Local
				Local
				Local
				Local
				Bald Knoll Zone
				Local
JURASSIC	UPPER	CARMEL	WINSOR	



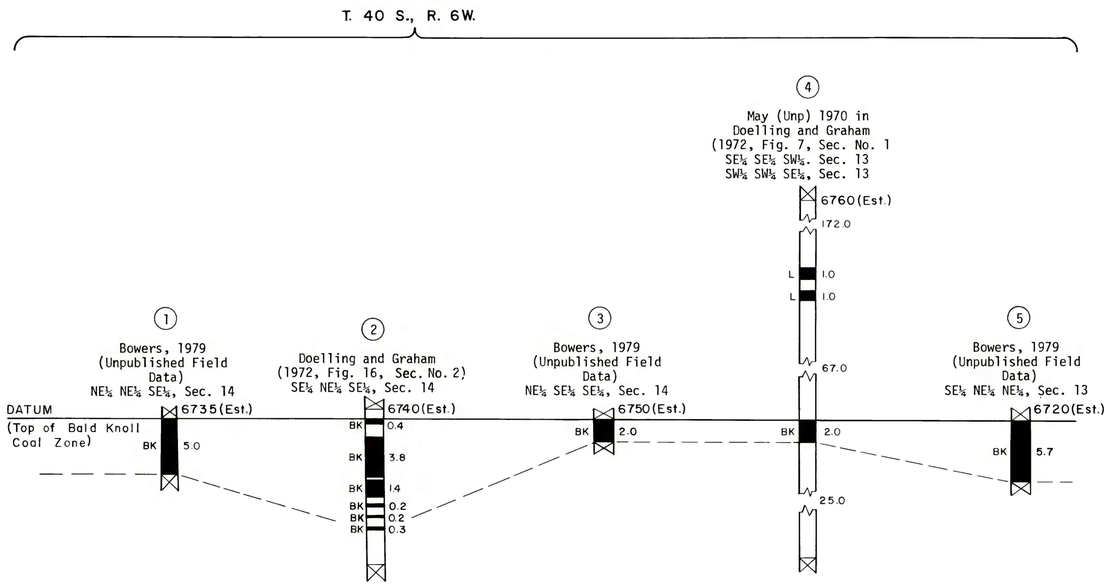
LITHOLOGIC DESCRIPTION

1. Basalt plug - olivine basalt.
2. Shale, drab gray, up to 750 feet thick.
3. Bentonite bed, approximately 2 feet thick.
4. Shale, drab gray, approximately 36 feet thick.
5. Bentonite bed, approximately 1 foot thick.
6. Shale, drab gray, approximately 6 feet thick.
7. Shale, sandy, approximately 8 feet thick.
8. Shale, sandy with shell fragments, approximately 4 feet thick.
9. Sandstone with basal shell bed, approximately 3 feet thick.
10. Coal Zone. 1 to 17 feet thick. Locally may change to bony shale or ash. May change into a zone up to 21 feet thick with 3 to 4 feet of coal at top and bottom with thin layers of coal and shale inbetween.
11. Shale and sandy shale from 50 to 85 feet thick. Locally carbonaceous and may contain up to seven coal beds or coaly zones which range from 1 to 4 feet thick.
12. Coal, 2 to 12 feet thick. Locally with shale partings up to 3 feet thick.
13. Shale, gray to dark gray, 0.5 to 17 feet thick.
14. Sandstone, yellow-gray, 0.5 to 12 feet thick. Locally with thin coal layers. Commonly thin beds of conglomerate.
15. Angular unconformity.
16. Sandstone, buff white, yellow, pink or brown, fine-grained.

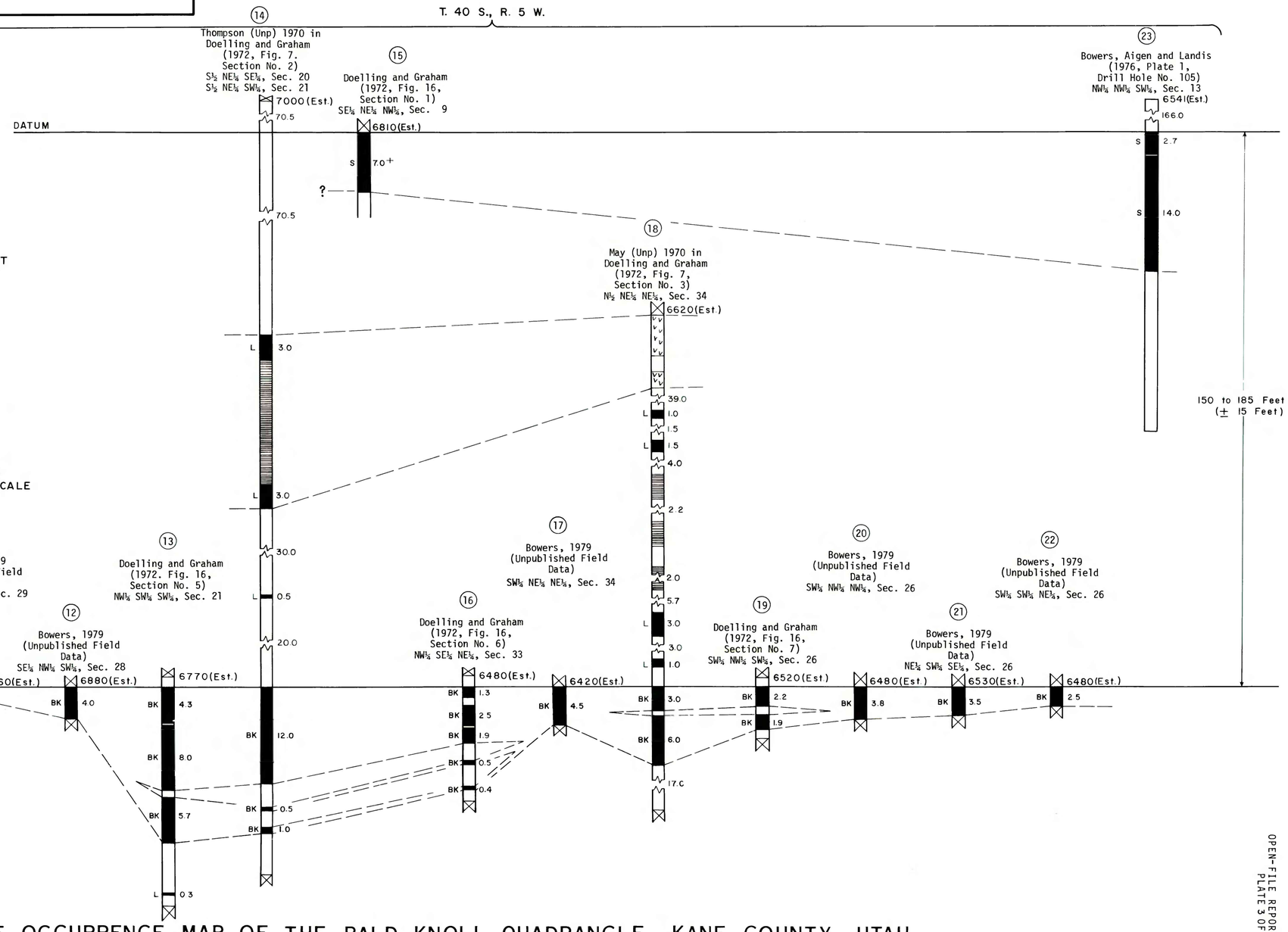
METERS FEET
0—0
10—50
20—
30—100
VERTICAL SCALE

710.0
Break in section showing thickness in feet, not plotted.

T. 40 S., R. 6W.



T. 40 S., R. 5 W.



EXPLANATION

(36) INDEX NUMBER

Doelling and Graham (1972, Fig. 26, Section No. 40) NE¼ NW¼ SE¼, Sec. 7 — NAME AND IDENTIFICATION NUMBER OF MEASURED SECTION. LOCATION OF MEASURED SECTION.

6820(Est.) — NO RECORD OF LITHOLOGY. ALTITUDE OF TOP OF MEASURED SECTION. (Est.) ESTIMATED FROM TOPOGRAPHIC BASE.

10.5 — ROCK INTERVAL.

ZONE OF THIN COAL BEDS AND SHALE PARTINGS.

ASH AND CLINKER INTERVAL. BREAK IN SECTION SHOWING THICKNESS IN FEET NOT PLOTTED.

ROCK INTERVAL.

BK 2.0 — COAL BED SHOWING THICKNESS IN FEET.

COAL BED SYMBOLS AND NAMES:
S = SMIRL ZONE
BK = BALD KNOLL ZONE
L = LOCAL

COLUMN SHOWN CLOSED IF AT TOTAL DEPTH.

METERS FEET
0—0
2—8
4—16
6—24
VERTICAL SCALE

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.

Compiled in 1978/1979

COAL RESOURCE OCCURRENCE MAP OF THE BALD KNOLL QUADRANGLE KANE COUNTY UTAH

BY

MEIJI RESOURCE CONSULTANTS

1979

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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