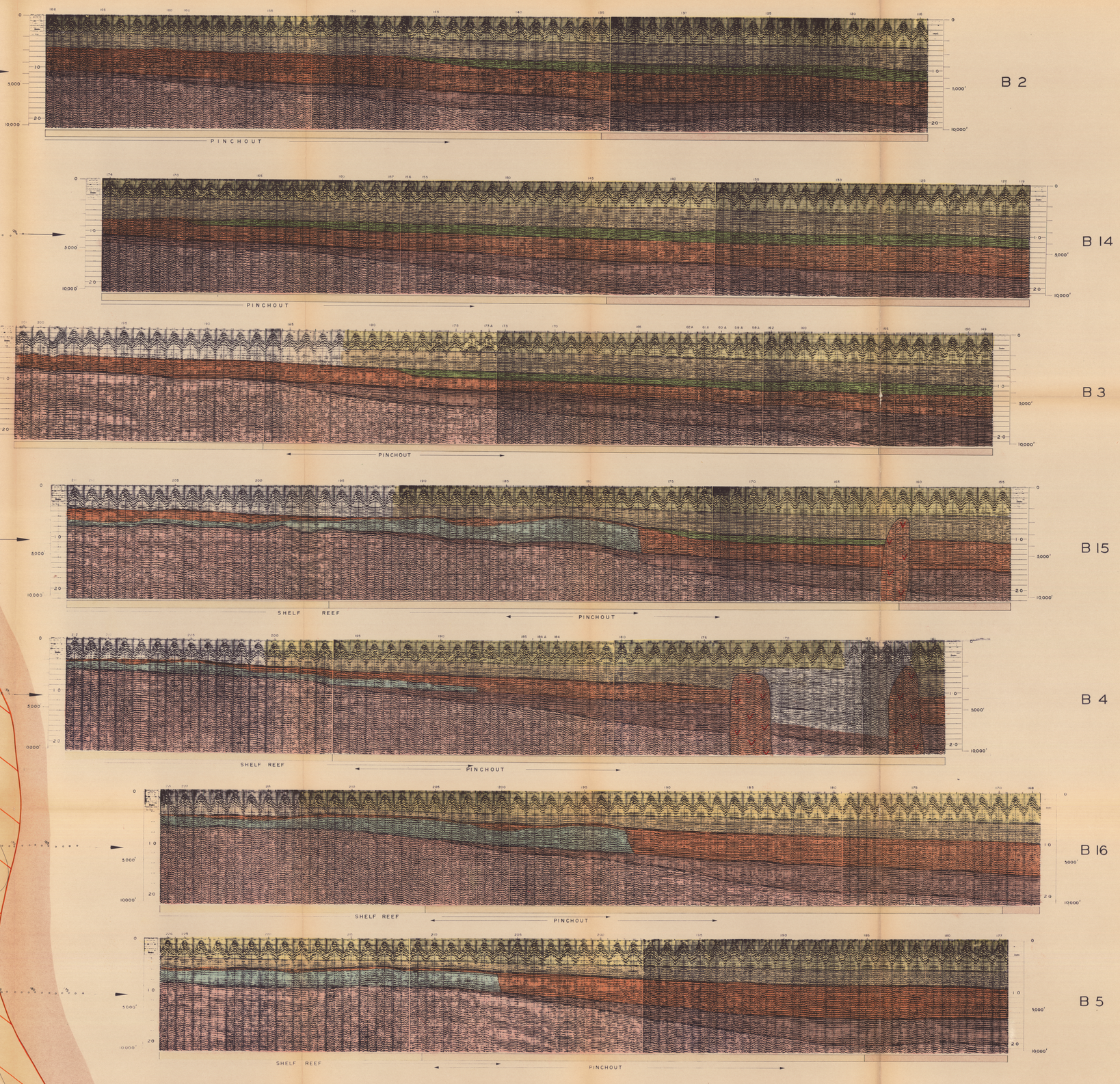

STRATIGRAPHIC SEQUENCE

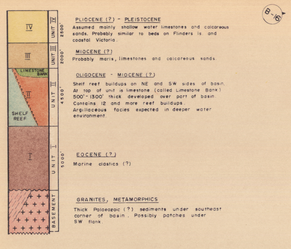

FIG 2.1

HAEMATITE EXPLORATIONS PTY. LTD.

BASS BASIN

PINCHOUT ZONE

SOUTH WEST SIDE OF BASIN

5 cm

048057

G H H SEPTEMBER, 1964

J.C. REED
A.S. MAURER (?)

SCALE OF MILES

0 1 2 3 4 5 6

1 : 125,000

OG.678

EXPLANATION:

The main pinchout is of Unit I which basinward is about 300 feet thick. As mapped it covers an area of roughly 60 x 6 miles.

The structural contours on the top of Unit I show gentle nosing between B-3 and B-16.

Although Unit I pinches out around the basin, there are two areas (those mapped) in which the pinchout is sharper and more intensified. One area is on the northeast flank and the other on the southwest flank. The regional maps show these two areas to be structurally high, associated with the constriction or narrowing of the basin, steepening of the hinge zone and the flexures of the northeast flank.

Oil Prospects:

As in the case of the shelf reefs, the two prominent pinchout zones are situated updip from the deepest portion of the basin. This deep area and enclosed nature of the basin during deposition of Unit I are important when considering the possibilities of oil source beds.

The basin is about 60 miles wide at the pinchout and updip migration is a very interesting consideration, especially in view of the structurally high condition within the area of this map.

Trap possibilities are decidedly good. Apart from the overall thinning and overlap by the overlying unit, it can be seen that there is much wedging out of the beds within the unit itself.

Bass Basin part I