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It will be noted that the major fault F1 has been projected to intersect this line of section approximately 200 ft. below the bottom of the hole. However, this projection is based on a limited number of dip readings on the fault and it could be considerably lower. Hole B3 looks to be the logical hole to deepen to test the possible position of the dolomite. It should be borne in mind that when B3 was stopped it was believed that a considerable thickness of black shale overlies the dolomite but this is no longer the interpretation for the sequence.

Hole B4 was again based on Anderson's structural interpretation and on Hopwood & Anderson's stratigraphic sequence. When B3 failed to penetrate black shales this site was chosen since on the stratigraphic interpretation the next lower horizon should be the dolomite. It was not known at that time that the fault F1 was a major fault. As can be seen from Fig. 68 the drill hole remained in black shale through its entire length. It is likely that repetition of the black shale was probably encountered due to the tight folding and also the drag on fault F1. It has proved almost beyond doubt that the black shale is at the bottom of the stratigraphic sequence and no dolomite lode would occur below this horizon.

As mentioned earlier, from conversation with drillers etc., the Comestaff drilling has also intersected some hundreds of feet of black shale without intersecting dolomite beneath it.

8. CONCLUSIONS

1. The mapping of the area has confirmed a sequence of quartzites and white clay shales overlying a thick black shale horizon. The thickness of the black shales is 500'+ and the thickness of the overlying sequence is 600'+.
2. Considerable doubt has been thrown on the stratigraphic sequence obtained by Hopwood & Anderson correlating the Mt. Bischoff rocks with those to the west. At the present time it appears likely that the rocks in the western section are equivalent to the lower quartzite white clay sequence of the Mt. Bischoff sequence. This would imply that the earlier interpretation of Knight was correct, when he put forward the idea that the Mt. Bischoff ore-body is an outlier and any extension to the west