CROSS SECTION ON LINE F-F'

B

Figure 1 - A. Topographic map showing configuration of the deeper part of the pre-Cenozoic beds in northeastern Kansas and approximate fault of deposition of Cowley formation in western Kansas.

Delays, top of Chatahoochee chalk - Deposit interval 10 feet.

Line of cross section F-F' on plate 3 and plate 6 shaded.

Deposition of top of Chatahoochee chalk shows on each well and on contour lines.

Area of thick beds of Cowley formation are shown on plate 3 and plate 6 shaded.

Positions of wells from which samples were examined are shown by data.

Figure 2 - B. Cross section of Mississippi sand from northwestern Colorado to northeastern Kansas on line F-F' at plate 6 and plate 7, showing erosion by floods from Chatahoochee chalk on pre-Chatahoochee sand in western Kansas, deposits along base of Cowley formation, and level of maximum deposits in pre-Cenozoic rocks in Kansas, position of levels from well logs in western Kansas. Well logs on No. 8 are correlated on top of Chatahoochee chalk shown between Nos. 2 and 6 and at top of Mississippi sand.

Figure 3 - C. Diagram of cross section of Mississippi sand showing depth to top of Chatahoochee chalk in western Kansas.