

H. B. Stenzel
208 East 33rd
Austin, Texas

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Report on the Sparta-
Crockett contact.

Dr. Thomas L. Bailey

In investigating the contact of the Wheelock member with the underlying sands of the Stone City on which I have made a little report enclosed with this letter, it occurred to me it might be quite important to investigate that part of the Fedor area more carefully.

As you know, the southwest end of the Fedor fault shows good surface closure because the Crockett swings against the fault and is down-thrown on the northwest side. The region I have in mind is in the vicinity of the last three counter-flush bore holes drilled. However, this closure of the Crockett against the fault does not prove to be of such importance because the Crockett is faulted in itself, and the normal Crockett outcrop near Mannheim continues to the Colorado river, abutting *without* against the fault. This seems to indicate that the closure against the Fedor fault is not quite as well defined in the south as would appear from the present core holes. I believe, that from hole No. 3 southwestward the structure remains open and it might be quite important to investigate the fault which occurs about one mile west of hole No. 3.