

June 10, 1963

Mr. Walter M. Fitzgerald, Jr.
Southern Pine Lumber Company
Diboll, Texas

Dear Walter:

Wonders never cease. Your letter of May 28 was a nice surprise, and I am glad to see you are busy in that part of the country.

To answer your question, no master's or doctor's thesis has been done in the area of your map. In this area and its vicinity very little work has been done. I have worked in a small area, a proposed dam site, on the lower Neches River west of Rockland. This work has never been published, but I could show it to you. The Miocene exposures at Burkeville in northern Newton County have been published by me (A.A.P.G. Bull., vol. 28, no. 7, pp. 977-1011, 1944). The base of the Willis south of Jasper should be easy to map; the article by Doering (A.A.P.G. Bull., vol. 19, no. 5, pp. 651-688, 1935) is the only publication on that area. One of our geologists, Dr. H. A. Bernard, wrote his doctoral thesis, "Quaternary Geology of Southwest Texas," Louisiana State University, 1950, on that area. It is available from L.S.U.; or you might come up and talk to him here. There is the short note by Shafer on "Bentonite at Old Brownell Townsite, North Jasper County, Texas," Univ. Texas Bureau of Econ. Geol., Mineral Res. Survey Circ. 42, 1942. For the Jackson-Catahoula see Ellisor, A.A.P.G. Bull., vol. 17, no. 11, pp. 1293-1350, 1933. You might try to find and trace the "f.f.g." of the Humble geologists, which Miss Ellisor describes. Potentially, this rock, a quartzite, is a valuable material.

The base of the Jackson is fairly easy to map around Diboll; it makes a small scarp and has red soil. The fossil localities in Tarkiln Creek (Univ. Texas Bull. 1869, p. 170) are very good and should be looked up. They would make a good starting point in investigating the basal Jackson. The Wellborn Formation is exposed around Zavalla and at Manning. The Moodys Branch Marl (Base of Jackson Group) is exposed 5 miles north of Zavalla and 3 miles south of Huntington. I have a few more field notes on Angelina County which I could show you sometime.

Mr. Walter M. Fitzgerald, Jr.

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I hope you will keep in touch with me from now on. My home address is 3726 Colquitt Street, Houston 27, Texas; phone is MO7-2620. I could go out with you sometime.

Best wishes,

Sincerely,

H. B. Stenzel

HBS:tm

Shell Development Company
Exploration and Production Research Division