

ABSTRACTS

"LITHOLOGIC SUBSURFACE CORRELATION IN THE 'BEND SERIES' OF NORTH-CENTRAL TEXAS"

BY MARCUS I. GOLDMAN

Abstract

By means of a graphic log showing the approximate proportion of sand, clay and lime in each sample of well cuttings, in conjunction with glauconitic and phosphatic beds occurring adjacent to stratigraphic breaks, and with the aid of certain distinctive lithologic characters of beds, the "Bend" is delimited and subdivided into units and a correlation of these between two wells 45 miles apart is proposed.

A paper presenting the results of this investigation is to be published by the U. S. Geological Survey as Professional Paper 129-A, which it is expected will be available for distribution in advance of the 1921 meeting of the Association. Anyone can procure a copy by writing to the Director, U. S. Geological Survey, Washington, D. C.

DESCRIPTION OF OIL AND GAS AREAS IN TENNESSEE AND CONDITIONS AFFECTING THE DEVELOPMENT OF NEW AREAS

BY WILBUR A. NELSON

Abstract

The largest producing pool in Tennessee is in Scott county, oil being obtained at a depth of 1250 feet from the St. Louis limestone.

Probably the oldest oil pool is the Spurrier-Riverton pool, in Overton, Pickett and Fentress counties. Several wells have come in recently getting oil from the Ordovician, 160 to 275 feet below the Chattanooga "black" shale.

A pool has recently been developed in Sumner and Macon counties, where oil is being obtained 30 to 125 feet below the Chattanooga in wells with an average depth of about 300 feet.

Western Tennessee is being prospected in the vicinity of Reelfoot Lake. Shows of gas have been encountered in the top of the Cretaceous at a depth of about 1700 feet, along the Kentucky-Tennessee line. Drilling is now in progress on a plunging anticline at Huntingdon, Carroll county.

Prospects for additional pools in the Silurian and Ordovician rocks underlying the Highland Rim of Tennessee are very favorable, while deep drilling in the western part of Tennessee into the Cretaceous sands is worthy of consideration.