

XLI. A SILURO-DEVONIAN OIL HORIZON IN SOUTHERN OKLAHOMA

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From the Oklahoma Geological Survey.

Within the last few months a thick limestone formation has been rather unexpectedly encountered in four wells in southern Oklahoma.

The locations of these wells and the depths at which the limestone was found in each are as follows:

Name and location of well	Depth at which limestone was found
1. Nance Syndicate well Sec. 4, T. 4N., R. 5E. Pontotoc County, Okla.	2,305 feet
2. Transcontinental Well Sec. 14, T. 5N., R. 4E. Pontotoc County, Okla.	2,660 feet
3. Doan Well Sec. 20, T. 5N., R. 4E. Pontotoc County, Okla.	2,500 feet
4. Maud Oil and Gas Co., No. 2 Sec. 18, T. 7N., R. 5E. Pottowatomie County, Okla.	3,730 feet

In the Nance and Maud wells the lime made a good showing of light oil and on being shot made commercial yields. The initial

production of the Maud well was about 400 barrels per day and that of the Nance well was about 125 barrels per day.

The correlation of the limestone in the several wells is based upon a similarity of the well logs and upon fossils secured from the fragments of the lime, ejected from the Maud and Nance wells when they were shot. The fossils thus obtained led the writer to the conclusion that the limestone yielding the oil was equivalent of the Hunton limestone of the Arbuckle Mountains. This conclusion has been corroborated by Dr. J. J. Galloway of Columbia University, Dr. Charles Schuchert of Yale University, to whom small collections of the fossils were sent.

NOTE: The complete paper of Mr. Morgan's on the subjects above discussed is being published by the Oklahoma Geological Survey.