60 barrels of water per day. The pay zone extends from 4,415 to 4,423 feet. The top of the Ellenburger was found at 4,414 feet. This well showed the structure to be 85 feet lower than that in the discovery well.

The importance of the discovery remains unknown, but a few hundred acres on top or near the top of the structure have a good chance of producing.

HENDerson POol DISCOVERY, CLAY COUNTY, TEXAS

GEORGE P. HARDISON

Tulsa, Oklahoma

The Shell Oil Company’s Henderson No. 1, discovery well of the Henderson pool, is located 1,295 feet from the west line and 990 feet from the north line of Section 2605, T.E. & L. Survey, southwestern Clay County, Texas.

The well was plugged back from a total depth of 3,824 feet to 3,545 feet, and was completed on March 2, 1940, after pumping 287.4 barrels of 38° gravity oil in 24 hours. The producing sand, upper Strawn in age, occurs from 3,504 to 3,523 feet. Other sands which appear to have commercial possibilities, were present at 3,154-3,207 feet, 3,419-3,439 feet, and 3,556-3,580 feet.

The structure was found by means of seismograph exploration.

Prior to the drilling of Henderson No. 1, a few shallow tests and one deep test (dry hole) had been drilled in the vicinity. Henderson No. 2, located 990 feet south of the discovery well, has been successfully completed in a lower “pay” at 3,538-3,551 feet, with an initial flowing production of 238 barrels in 24 hours.

1 Manuscript received, June 25, 1940.
2 Geologist, Shell Oil Company, Inc.

LOG OF WILDCAT WELL, UNION COUNTY, IOWA

W. E. McHUGH

Wichita, Kansas

The log of a wildcat well drilled recently in Union County, Iowa, in the northeastern part of the Forest City basin, should be of interest on account of the stratigraphic information and data on formation waters which it reveals. This test, the Phillips Petroleum Company's Creston No. 1, in the center of the SE. ¼, NE. ¼ of Sec. 31, T. 71 N.,

1 Manuscript received, July 5, 1940.
2 Geologist, Shell Oil Company, Inc.