GAS WELLS ON NINE MILE RUN, PITTSBURGH, PENNA.

By

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Drilling along Nine Mile Run, in the eastern suburbs of Pittsburgh, has been resumed and during the recently completed field work for a report on oil and gas in the Pittsburgh quadrangle, the locality was examined by the writer. In 1894 and 1895 two wells were drilled to a depth of 1500 feet, one on the Keyser property, and the other on the Hayes property, about one mile from the mouth of the run. Both produced gas when first drilled in but were soon drowned out by water. In June, 1920 the Hayes well is spouting gas and salt water. Just recently two new wells have been completed to the Hundred-foot sand at a depth of 1500 feet. On May 20, 1920, one had an open flow of 3 million cubic feet per day but was soon drowned out. On May 6, 1920, the other had an open flow of 1½ million cubic feet a day and at the present time is producing about 150,000 cubic feet daily. Two other wells being drilled in the same locality are expected to test the Speechley sand which should be reached at a depth of 2900 feet. It is proposed to drill several other wells in this vicinity.

The wells are all located near the crest of the Amity anticline which extends across the Pittsburgh quadrangle from the southwest to the northeast corner. The Amity anticline begins near Rogersville in Greene County where the Pittsburgh coal has an elevation of 350 feet above sea level. It extends in a northerly direction and crosses Bates Fork of Brown Creek near Swarts. It turns slightly eastward crossing into Washington County about two miles south of Ringland, thence through Lone Pine where the Pittsburgh coal has an elevation of 650 feet. The anticline passes to the north of Finleyville, crosses into Allegheny County and goes through Wallace on Lick Run.
At this point the coal has an elevation of 1040 feet above sea level. Continuing northeastward, the anticline nearly parallels Streets Run, passing about midway between Willock and New England, and just to the east of Hays Station (Rand). It crosses Monongahela River just west of the mouth of Nine Mile Run and extends along the run, crossing Forbes Street just west of Peabody Street, and Penn Avenue at Trenton Street. After passing through the junction of Oakland Street and Frankstown Avenue, the anticline swings slightly eastward, crossing Sandy Creek about one-half mile from its mouth, and leaves the Pittsburgh quadrangle about one-half mile east of Verona. In the Nine Mile Run district, the Pittsburgh coal has an elevation of 1150 feet above sea level, and the anticline has flattened out considerably. The dip of the strata is to the west, south and east and about 30 feet to the mile.