

The Wadeson Mine.—*Lignite* has been mined by Mr. Wadeson for a number of years in the vicinity of Sims. The common method has been to drift into the hill till the haul to the surface became too long, and then to start afresh. A number of old entries excavated in mining after this manner may be seen a few feet above the railroad track. At present, however, a power plant is in operation and a more careful method is planned. The drift slopes down gradually till it strikes the coal, about twelve feet lower than the entry and at about creek level. The present entry is in 600 feet and shows that there is considerable irregularity in the position of the lignite, the seam often rising or falling two feet in a hundred. One-fourth of a mile farther

south the lignite is seventeen feet higher than at the Wadeson mine. Six inches of coal are left to strengthen the roof. Some water follows the seam and about 4,000 gallons are pumped daily. One Harrison compressed air drill is in operation part of the time, but most of the mining is done with the pick, as piece work.

The output last year was 5,000 tons, and the average price at the mine \$1.50. The mine is on leased land and a royalty of 7 cents a ton is paid.

Samples of coke reported by Mr. Wadeson as made by him from lignite were seen and appear to be of good quality.

An analysis of dried lignite from the Wadeson mine shows :

	PER CENT
Volatile matter	38.21
Fixed carbon	50.47
Ash	10.32
Total	100.00