

*Gille-Miller Mine*, Township 162, Range 93, Section 20.— This mine is located eighteen miles west and four miles south of Flaxton. The claim was owned and operated some years ago by Mr. Gille, but is now in the joint possession of Mr. Gill and Mr. Miller, while the pit is leased to Mr. Booth, who is both manager and miner. Lignite is sold at the mine for 80 cents a ton, to farmers who load their wagons from the loosened material. The mine has a good name, and its reputation is due partly, no doubt, to the fact that the seam lies so conspicuously on the surface. An eleven-foot seam is exposed by the removal of a few feet of clay with the scraper. Wagons are backed down upon the lignite surface, the bottom of which has not yet been reached in the pit. The seam has been partly burned out, forming a gulch-like opening an acre or two in extent, that contains a very dangerous quicksand bog. Grass covers the hardened places in this bog, but numerous holes occur filled with a watery mixture of clay and ashes, where a horse or man will sink out of sight. The bog is due to the drainage from the rim of lignite that partly surrounds it.

No difficulty is met in mining except that water settles down in the pocket between the slightly inclined surface of the coal and the clay bank, but this is easily removed by using a pump for half an hour a day.

The analysis of a dried sample from the mine is as follows :

	PER CENT
V o l a t i l e   m a t t e r	3 4 . 1 9
Fixed carbon .....	60.12
Ash .....	5.69
 Total .....	 100.00

The analysis from the opening called the Sorensen mine, Township 162, Range 92, Section 32, is as follows :

	PER CENT
Volatle matter .....	34.12
Fixed carbon .....	60.95
Ash .....	4.93
 Total .....	 100.00

Several other openings near the Gille-Miller mine have locally a very good reputation for the quality of their lignite.

Openings from which the thickness of seam is taken partly on report are as follows :