

Shell Creek Valley. The first mine found here, near the head of the valley, had the attractive name of Pleasant Valley Coal mine. An office building sets off the otherwise bare site and gives to the place a business like appearance. The seam is located in a coulee one mile from the main valley, in Township 155, Range 89, Section 30. The bottom of the seam lies at the

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level of the creek. Six feet of lignite are in sight, and it may extend two or three feet further down. The roof is of clay, interbedded with coal, while a clay seam runs through the lignite eighteen inches from the top. Lignite is taken for local use. A dried sample gives the following analysis :

	PER CENT
Volatile matter	39.89
Fixed carbon	55.09
Ash	5.02
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Total	100.00

From the woody, brown appearance of the coal it was not expected that the analysis would show so high a per cent of carbon.