

State Department of Geology and Mineral Industries

Jul: 3, 1941

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702 Woodlark Building
Portland, Oregon

IRON MOUNTAIN COAL

STATE DEPT OF GEOLOGY
& MINERAL INDS.

Sixes River Area

Owner: United States Government

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 35 S., R. 12 W (?) On new Iron Mt. road at County Line, 5 miles by road from Junction with Powers-Agness road. Portal at road level.

Development: Adit 25 ft. long, timbered and lagged. Face is caved and coal is inaccessible. Sluff has half filled the adit so that it is necessary to crawl on hands and knees in the muck to enter.

Geology: Coal is in what is probably cretaceous sandstone. Serpentine outcrops 60 ft. to the east, and it is no great distance to serpentine and ultrabasics to the west. The adit must have gone in on the strike of the coal-if so, the strike is S 65° W and the dip at a very steep angle to the NW. Generalizing one might say an E-W strike and vertical dip.

Width of coal is not known but cannot be over a total of 4 ft. Such coal as is visible at the portal is badly broken, appears to be very dirty with considerable bone. Some of the coal has a white efflorescence. Some chunks of coal containing abundant pyrite (marcasite?) were found. Boyd Hammussen, Ranger at Powers, states that the coal pinched out at the face.

The narrowness of the band of sediment, - the narrowness of the coal seam, - its vertical dip, - fractured nature, - dirt and bone, - presence of sulfides, - and distance of haul to market, - I believe, place this coal beyond the realm of an economic possibility.

It is reported (Mrs. Tom Wallace, Agness) that "better" coal was found below the road. I looked for the coal but could not find it!

However, an outcrop showing some excavation, exposed so impregnated with limonite and thin skins of Manganese oxides. I had heard of a Manganese occurrence at this locality and this must be it. The "ore" was of too low grade to even justify a grab sample.

Informant: Ray C. Treasher, Field Geologist, July 3, 1941.