GEOLOGICAL SURVEY OF WYOMING

A.F. Hagner, 1943
MR43-8

Rabbit Creek Graphite - 23 mi. N.W. of Wheatland, Sec. 22, T. 26, R. 70.

Four claims on which there are 2 shafts, one 60' long and one 26' long, one 60' shaft, and 25 openings. According to Mr. Chas. E. Lane, attorney-at-law, the graphite runs 20%+. Lane stopped in at the University and gave Dr. Thomas the above information. The 4 claims are the Wire-hair, Bulldog, Poodle, and Pom.

At the 60' tunnel the "vein" appears to be about 5' wide and the tunnel is in graphite almost all the way. About 225' N. 15° W. and N. 30° W. across a gully is the 26' tunnel (about 15' long actually - width of graphite 5' (in gr. gneiss). This appears to be an extension of the tunnel to the SE so that the strike of the graphite is N. 15° W. Above the tunnels on each side of the gully, there are several graphite pits. About 15' NE of the 21' tunnel, portal graphite crops out as a 10' seam or lens. The two graphite seams (10' and tunnel) are separated by granite and granite gneiss.

About 60' NW of the 15' tunnel is a shaft (no ladder) - gr. 9' wide - which is supposed to be 45' deep. This graphite may be a continuation of the 10' bed 60' SE and down the slope. It can be traced to this point and further up the hill to a shallow trench - about 35'. Here it is 8' wide, but the continuation of the tunnel outcrop appears to have widened to about 21'. The 2 outcrops are separated by about 6' of granite gneiss. A shallow trench at this point shows the 2 bodies quite well. From here NW the graphite body narrows to about 3' 230' NW along strike. For some of thie distance, it is only 1' to 6" wide and perhaps even disappears.

Across gully to main (60') tunnel, about 20' S. up the slope is a pit in graphite. The "seam" here is about 5' wide. About 70' SW of last pit is another graphite pit. Here the graphite is 40' wide, but is separated by a 10' seam of granite and granite gneiss. Apparently, the same conditions hold here as across the gully to the NE.

Going SE for about 160' over the crest of the hill and down the S. slope, graphite can be traced to a pit where it is 8' wide - dip steep W. The graphite body thus narrows to the NW and SE.

The graphite is mostly amorphous, but small amounts of fine flake material are present.

One of the best graphite properties visited. Deposit visited with Mr. Albert Bartlett.

Originally worked by Wm. Beaman about 35 years ago. Sacked it at mine and hauled by teams to Wheatland - but it didn't pay. (The man Kruger got property from originally.) Shipped to Denver.

Henry Phelps gave above data and did much of the work on the deposit.

GEOLOGICAL SURVEY OF WYOMING

At 15' tunnel - dip (average) of graphite schist is vertical to steep SE. Graphite schist is about 5 1/2' wide at portal with granite gneiss the wall rock on both sides. On the west wall there is a zone about 6" wide containing much biotite, etc., in addition to graphite. On the E. wall there is a quartz vein about 2"-8" wide. Occasional small (21") stringers occur in the schist. At the end of the tunnel the graphite schist is about 3 1/2' wide at the bottom and 4' wide at the top. It pinches and swells somewhat. Specimens in sack taken at portal. Pit 5' high by 4 1/2' wide.

About 15' E of above is a pit 10' wide and 6' high in graphite schist. Between 15' tunnel and this pit, there is about 6'-8' of musc-bi-qtz schist (W. wall of pit).

At trench - graphite schist 7', to W. is 5' of gr. gneiss, then 21' of gr. schist.

From the ~~115'~~ 45' shaft to the shallow trench the graphite schist crops out almost continuously. But on most of the hill debris covers the slope. From trench on up slope there is only an occasional graphite schist outcrop - about 1'-2' wide. Essentially all the rock is granite gneiss.

From trench to pit over crest of hill is 210'. Pit here has 5' graphite schist 4'x8'.

About 190' NW is a pit with graphite schist 15' wide. Outcrop continues NW for about 40'.

All of the graphite schist is foliated and much crushed and broken - fractured, numrous dreg folds.

Impossible to tell if float between pits is from pit immediately above or from "outcrop."

Rabbit Creek Graphite - 28 mi. N.W. of Wheatland S22, T26, R70

14-VII-43 Four claims on which there are 2 shafts, one 60' long and one 26' long, one 60' shaft, and 25 openings. According to Mr. Chas. E. Lane, attorney at law, the graphite runs 20% ±. Lane stopped in at the University and gave Dr. Thomas the above information. The 4 claims are the Mirchair, Bulldog, Poodle and Pom.

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About 60' ~~100'~~ NW of the 15' ~~21'~~ tunnel is a shaft (no ladder) which is supposed to be 85' deep. This graphite may be ~~is~~ a continuation of the 10' bed 60' ~~100'~~ SE and down the slope. It can be traced to this point and further up the hill to a shallow trench - about 35'. Here it is 8' wide but the continuation of the tunnel outcrop appears to have widened to about 21'. The 2 outcrops are separated by about 6' of

granite gneiss. A shallow trench at this point shows the 2 bodies quite well. From here NW the graphite body narrows to about 3' 220' NW along strike. For some of this distance it is only 1' to 6" wide and perhaps even disappears.

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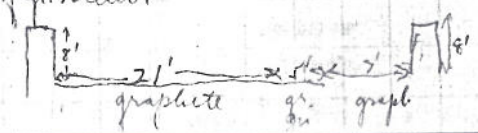

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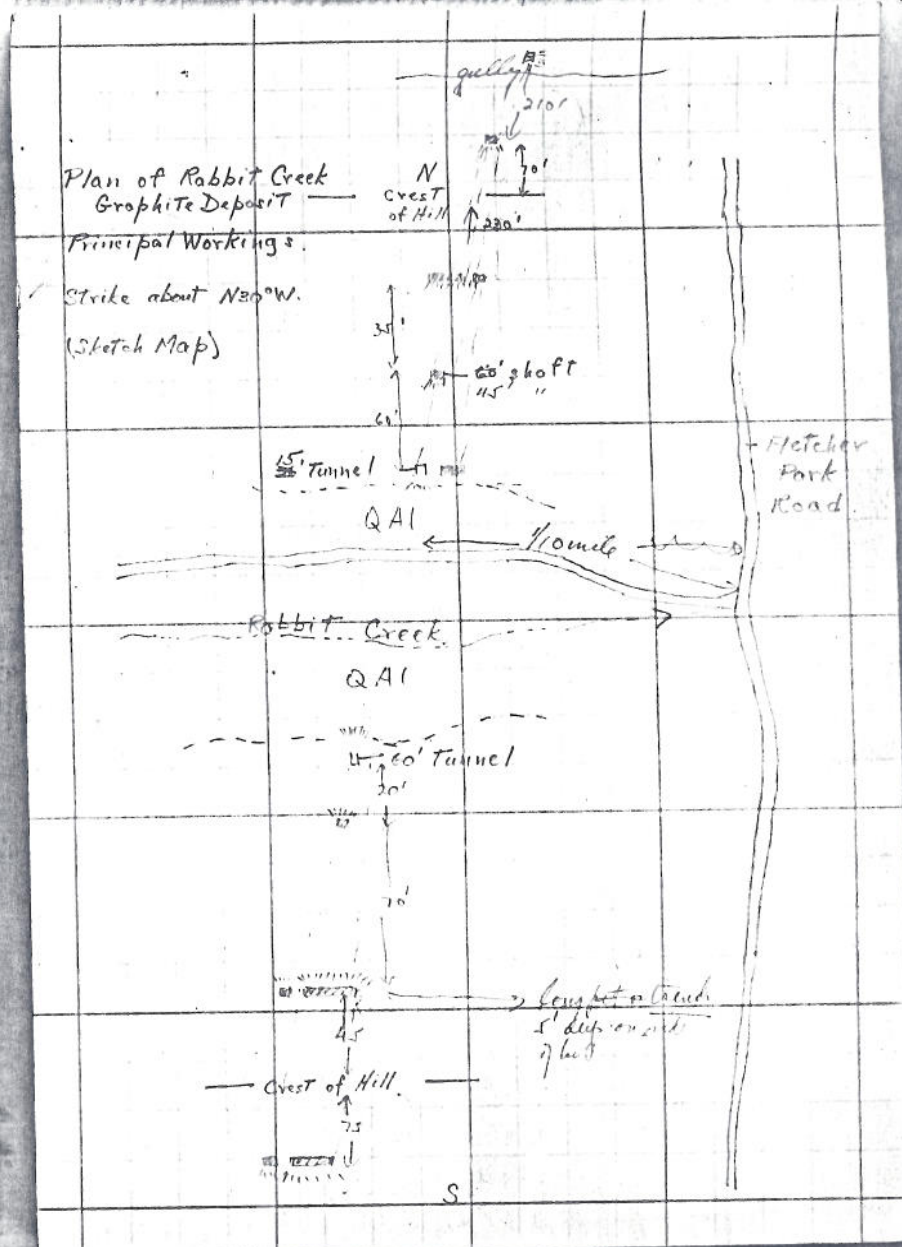
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