

MR 42-29

Siliceous Iron - (32-33 mi. from Casper). Mr. Charles Koch has mineral rights.

The ore is specularite slightly altered in places to limonite and associated with quartz. At the location pit (8'x6') the ore is good and contains only a small amount of quartz (up to about 20%). Farther west there is as much quartz as iron. The total width of the ore body is about 50' plus. (Length here 50' plus.)

This appears to be a quartz-specularite vein or dike which runs N. for about a mile, then is "lost" for a mile and can be traced another mile (Mr. Koch). It may be continuous. The eastern part of the dike has more hematite than the western.

The dike occurs in granite. The ore assayed 30% and 32% iron, 1-2% chromium (1 sample), and 1-2% manganese (1 sample).

We walked along the "strike" for about 1 mile and found no outcrop, but there are occasional chunks of float on the hill to the N. Nothing for 1/4 mile S. There may (should) be some iron the hill because the chunks we found were large (2' across in some cases) as well as small. Possibly a trench would prove the presence - or absence - of iron. It is peculiar that the iron does not crop out because it stands up several feet above the granite where exposed at the pit.

Apparently hematite is exposed a mile or more further N., but we didn't get to see it.

Siliceous Iron (22-33 mi from Casper)

14-VIII-42

Mr. Charles Koch has mineral rights

The ore is specularite slightly altered in places to hematite and associated with quartz. At the location pit (8' x 6') the ore is good and contains only a small amount of quartz (up to about 20%). Farther west there is as much quartz as iron. The total width of the ore body is about 50' +. (Length less 50' +)

This appears to be a quartz-specularite vein or dike which runs N for about a mile, then is "lost" for a mile and can be traced another mile. (See Koch) It may be continuous. The eastern part of the dike has more hematite than the western -

The dike occurs in granite. The ore averaged 20% and 22% iron, 1-2% chromium (1 sample), and 1-2% manganese (1 sample).

We walked along the strike for about 1 mile and found no outcrop but there are occasional clumps of plant on the hill to the N. Nothing for 1/2 mile S. There may (should) be some iron on the hill because the clumps we found were large (2' across in some cases) as well as small. Possibly a trench would find

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