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1907
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A BRIEF REPORT,

ON

THE KANSAS GROUP,

NEAR

KEYSTONE, ALBANY COUNTY, WYOMING.

GEOLOGICAL SURVEY OF WYOMING

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LOCATION.

The Kansas Group is situated on Lake Creek about four miles above its junction with Douglas Creek, on Sec. 12, Tp. 15 N., R. 79 W., about six miles south-east of Keystone, Albany County, and about fifteen miles south-west from Centennial on the Laramie Hahns Peak and Pacific Railroad, the present nearest railroad point. This line is now being built to a point seven miles south of Centennial and nearer the property, and a surveyed extension of this line runs down Lake Creek, within a short distance of this property.

EXTENT AND TITLE.

The Group consists of two claims as follows:-

The Kansas No. 1 Lode,

The Kansas No. 2 Lode.

These claims are each 600' X 1500', and comprise about forty acres of land, held by location and discovery, under the laws of the United States and the State of Wyoming, by Messrs. William Benton and G. S. Simmons of Centennial, Wyoming.

FORMATION

The general formations in the Lake Creek locality is granite and gneiss, often shading from one into the other, and both very similar in composition, being of the felsitic, black mica and hornblende varieties with an occasional band of fine grain schist lying therein. There is also some grey granite noted, which is locally known as a"dioritic granite", usually much altered and containing some ledges of mineral of varying extent.

THE KANSAS GROUP.

The formation in the Kansas Group consists of this dioritic granite, and in this granite occurs a mineralized quartz ledge, which has been opened up, by surface cuts along its course, which is about south 70 East, and in the present shallow workings shows a dip to the south. This ledge shows a width of about six feet in some of the cuts, but its full extent has not yet been opened.

At one point a shaft forty feet deep has been sunk, showing a strong ledge, heavily mineralized, and a tunnel has been started from a point below this shaft, to crosscut this ledge, but has not yet reached it, being in about forty feet at the present time.

This tunnel is well timbered, and is being made the main work of the property at this time. This tunnel is estimated to be about one hundred and fifty feet long, and to cut the ledge at a depth of about seventy-five or eighty feet.

This quartz ledge has been traced along its course by a number of open cuts, all of which show a heavily mineralized quartz condition, the minerals being iron oxides, staining both the quartz and adjacent country rock, and some copper stains.

Samples taken from this ledge show gold values, but as the work

so far has only dealt with surface ores, these are considered simply as indicating the presence of ores with depth, which will likely be sulphides of copper and iron, contained in quartz, as has been shown in the deeper workings of some properties in this vicinity.

It is recommended that this property be further developed by running the present crosscut tunnel to intersect the ledge, and that some drift be run on the ledge to determine the location or extent of the indicated ore shoots, before the site for permanent workings is determined

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It is considered that this property is a first class prospect, and merits further and extensive development, as above outlined, As there is ample supply of water and timber on the property for all present purposes, and as Lake Creek runs but a short distance away, there is every facility afforded for permanent works, when required.

Respectfully Submitted,

Henry C. Beeler.

State Geologist.

Date of Examination,
September 26th, 1907.