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# GENERAL REPORT OF THE FAIRVIEW DISTRICT.

April 20th, 1906.

This District is reached from Hazen on the main line of the Southern Pacific Railroad, thence southeast sixty miles by team or automobile. Fallon may be reached enroute, but by passing it by the distance is shortened about six miles.

Fallon is sixteen miles from Hazen. Surrounding Hazen and Fallon is a large agricultural district, watered by the Truckee-Carson Irrigation project of the Government. The town of Fairview is situated in the very low foot hills, while the mines are located two and one half miles south in the higher foot hills. Fairfield is another town in the same district situated six miles east of Fairview. The mines are located in the Fairview Range, Churchill County, Nevada. The mining district is known as Fairview. Fallon is the County seat.

The elevations of the principal places are as follows:

Hazen	4009'	(actual)	R.R. bench mark
Fallon	3990'	"	U.S.G.S. bench mark.
Fairview (town)	4600'	aneroid	
Fairview (mines)	5600'	aneroid	
Sand Springs Summit	4900'	aneroid	

Sand Springs Summit is the only summit crossed between Hazen and Fairview, and is about ten miles from the district. It is a very gradual summit, the automobiles being able to make it on high gear. A railroad line has been surveyed from Hazen to Fallon, and construction is said to have been authorized at once.

The old "Pony xpress" road between Fort Churchill and Austin passed within two miles of the present townsite.



## GENERAL GEOLOGY:

The country rock enclosing the vein formation is an Andesitic porphyry resembling types of the porphyry at Tonopah. There is another porphyry, I think Andesitic, in the District, which may possibly be a different flow, and which has been largely eroded. Dykes of rhyolitic porphyry also occur in the district. These appeared to be running nearly north and south, but at this stage of development it is difficult to say. These occur in the main ore bearing zone, and also on its west extension.

Little faulting seems to have occurred, but later developments will, of course, prove whether or not this is true. The Fairview Peak, the highest point in the district, is said to be granite, and this granite swings around to the southeast, widening the porphyry belt toward Fairfield.

The vein system appears to be a series of parallel veins running a little north of west and south of east, with, I feel sure, a cross system, forming intersections which might show a concentration of values. It is also possible that there is a convergence of these veins on the west.

The three principal veins are the "Weber" vein, the "Eagle's Nest" or "Jarvis" vein, and the Dromedary Hump vein. The Dromedary Hump is a prominent lower peak and from it several branch veins seem to radiate. The veins are all dipping south, at least so far as present development shows, while the cross vein system has not been developed at all.

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The veins are quartz, showing in places considerable



manganese, and in others chlorides and bromides of silver, and some free gold. The main or Weber vein can be traced on the surface about 5000', and the three principal ones seem permanent and well defined. On the south slope of the Weber property there is a great deal of quartz float, and from this slope large boulders of quartz float were broken up and shipped. The surface showing is most encouraging.

#### DEVELOPMENTS:

Very little work has yet been done, and even ground recently sold or leased has only just started work. There are as yet two incorporated companies in the district, viz. The Nevada Hills Mining Company and the Fairview Eagle Mining Company. The Nevada Hills Company control the Weber vein, and the Fairview-Eagle Co. the Jarvis vein. 40' was the greatest depth attained at the above date, and this was on the Fairview Eagle Property owned by Wingfield and associates.

On the Nevada Hills property a shaft is being sunk and was about 15' deep on the vein. A tunnel was also being run from the south side of the hill which would tap the vein at 100' - 150' in depth. This also was just started. The other work on the property was in cuts along the vein.

On the Fairview Eagle property the shaft was down 40' and still sinking. They followed down on a streak on the hanging wall, and the shoot was dipping west, also vein narrow. Leases have been let on this property.

On the Ridge McLaughlin property or the Dromedary Hump vein, the development work consisted in several cuts along the vein, and a shaft just started. Harnon and Naughton have some very promising property but practically only surface work had been done, and both these gentlemen were out of town, and I was unable to make an inspection of the work.



## MINING FACILITIES:

Wages are \$4.50 and \$5.00 per eight hour day.

Wood and water are scarce. Wood is brought from adjacent hills, and water is hauled nine miles and sold at \$3.00 per barrel.

Prices are about on a par with the other new camps of Nevada.

## ASSAYS:

#74 grab from 8" streak in shaft of Nevada Hills Co.

Au.	4.64	92.80
Ag.	326.56	212.26
		<u>\$305.06</u>

#75 grab sample of two tons of ore at collar of Fairview-Eagle shaft 40'. Average of 8" streak sunk upon.

Au.	3.92	78.40
Ag.	132.18	85.92
		<u>\$164.32</u>

#76 3-3/4' wide in cut on Boulder #2 claim

Au.	1.38	27.60
Ag.	116.62	75.80
		<u>\$103.40</u>

#77 2' wide from rich stringer on top of hill Nevada Hills Co. property.

Au.	9.22	184.40
Ag.	1051.98	684.72
		<u>\$869.19</u>

#78 2' wide on foot wall of #77

Au.	5.46	109.20
Ag.	885.44	575.54
		<u>\$684.74</u>

#79 5-1/2' wide in face of an open cut. Nevada Hills Co.

Au.	0.22	4.40
Ag.	22.98	14.94
		<u>\$19.34</u>

#80 6" streak in cut of Nevada Hills Co's. property.

Au.	3.86	77.20
Ag.	288.54	187.55
		<u>\$264.75</u>



#81 3' wide on hanging wall of ledge in vertical shaft 10' deep of Nevada Hills Co.

Au.	0.72	14.40
Ag.	79.28	<u>51.53</u>
		\$65.93

#82 grab sample from 16 sax at shaft on Cyclone Claim. This is on a diagonal ledge. Naughton property.

Au.	1.04	20.80
Ag.	158.56	<u>103.06</u>
		\$123.86

#83 15" wide in cut on Dromedary Vein. Ridge McLaughlin property.

Au.		
Ag.	5.70	<u>3.71</u>
		\$3.71

#84 grab sample from dump at collar of shaft 6' deep Dromedary vein. Ridge McLaughlin property.

Au.	0.54	10.80
Ag.	71.86	<u>46.71</u>
		\$57.51

#85 2-1/2' wide in cut on Dromedary vein. Ridge McLaughlin property.

Au.		
Ag.	1.40	<u>0.91</u>
		\$0.91

In the above samples the gold was calculated at \$20.00 per oz. and the silver at 65¢ per oz.

#### SUMMARY:

The Weber vein seems to carry the best values, although those found in the other veins are very encouraging.

The general geological conditions are, I think, very favorable.

Natural conditions are not of the best, but can be improved greatly.

There is a large and favorable area for prospecting and development, and on the whole I think the district a very favorable one.

Respectfully submitted,