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PRELIMINARY REPORT

on

THE SILVER FIELDS - AJAX MINES CO.

Belle Helen, Nye County, Nevada.

Examination 1/7/1919.
by W.H.Blackburn.

THE SILVERFIELDS-AJAX MINES COMPANY.

This company's holding in the Belle Helen District were visited on January 7th, 1919.

Their property is located about $1\frac{1}{2}$ miles west of the Belle Helen settlement in the low foot hills on the eastern slope of the north end of the Kawich Range of mountains. The distance from Tonopah is about 40 miles, covered by roads of easy grade.

The rock formation appears to be entirely of rhyolite. The mineralization occurs in a fractured zone in the formation. This break has an east-west trend with a slight dip to the north.

The gold-silver values occur in small stringers in the crushed area. Portions of the crushed area has been cemented together by a quartz filling, though where values occur there is a softening of both quartz and rhyolite. Proportion of gold to silver is practically 1 oz. gold to 100 ozs. silver. Gold probably free and the silver in haloids and sulphides of silver.

The development at present consists of an incline shaft 120 ft. deep with short levels at 30 ft., 70 ft. and crosscutting about to be started at the 120 ft. point. Some shallow prospecting has been done both east and west of the shaft. Equipment consists of a 15 H.P. Fairbanks-Morse gasoline hoist with rope and bucket. Rock breaking is done by hand drilling.

Eleven samples were taken. They were more in the nature of tests of various kinds of rock as no ore has been developed in quantity.

#	width	oz. Au	tr - oz. Ag	oz. Ag	Description
# 300	- width 2'10"	- oz. Au	tr - oz. Ag	0.84	stained soft rhyolite bottom of shaft.
301	" 1' 6"	" tr	"	1.28	soft rhyolite, hanging wall bottom of shaft.
302	"	" tr	"	.36	test of hanging wall, bottom of shaft.
303	"	" tr	"	.32	test black quartz and iron sulphide, bottom of shaft.
304	" 5' 0"	" tr	"	.30	70 ft. level, with crosscut, soft rhyolite.
305	" 5' 0"	" tr	"	.52	(ditto)
306	" 5' 0"	" tr	"	.52	"
307	" 5' 0"	" tr	"	.20	"
308	" 1' 0"	" .16	"	16.44	70 ft. level, 10 ft. west of shaft, hard ore.
309	" 0' 5"	" .34	"	34.24	30 ft. level, streak at end 30 ft. drift.
310		" .22	"	47.48	test of white quartz surface.

This property is not considered worthy of development by our company.