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PECK MINE

(Note by G. M. Colvocoresses - Nov. 1937)

The Peck is an old silver bonanza said to have produced over \$2,000,000 mainly from 1875 to 1885 when the ore often ran over 100 oz. in silver per ton.

It is located about one mile west of the Seastika Mine and in 1936 belonged to the Swastick^{Sw} Mine^{Inc.} Co. but I do not know whether ~~they~~^{who} still hold title.

The country rock is mainly quartzite occurring as a lense in the Yavapai and amphibolite schist. The vein was filled with quartz and quartzite with hematite and limonite. Some native silver was found but much of the silver was associated with copper and antimony and there was some argentite.

The main shaft was 400' deep but the great part of the production came from stopes less than 100' below the surface where there had been a secondary concentration of values. The lower levels were very disappointing and there is little reason to expect any pay ore at depth.

An old stamp mill was still on the property when I last visited it in 1936 also some mine equipment in poor condition. All attempts to work this mine since 1913 have proved to be failures and I see no reason to expect any better results in the future.

Much of the old dumps and tailings piles have been worked over in recent years with poor success as was indicated when our engineers sampled them in about 1919.

I am told that a careful resampling of the remaining material in 1935 showed 10,000 tons of dump with average of 15 oz. silver per ton and 2000 tons with average of 8.5 oz. While in the old fills above the adit tunnel comprised another 2000 tons that would run 10 oz. per ton.

The property does not appear to have any value *except for*

lesser or when price of silver is very high. The reported occurrence of antimony is interesting & might merit some further investigation. In '34 antimony from metal priced at 11.25¢/lb & in 50% ore @ \$1.00 per unit (5¢/lb).

PECK MINE

(Taken from U. S. Geological Survey Bulletin 782-1926)

The Peck is one of the old-time silver bonanzas and at present is owned by O. Tawney, of the Swastika Mine, near by. The Peck deposit, according to Raymond's reports, was discovered June 16, 1875, by E. G. Peck. Rich ore was found from the start. In the early days 10 tons was sold at Prescott for \$13,000, which was considered much below the actual value.

In the Mint report of 1883 the mine is mentioned as highly productive. At that time the levels aggregated 1,400 feet in length, and a shaft 400 feet deep was sunk. There was a 10-stamp mill on the property. About \$1,000,000 to \$1,500,000 in silver is the reported production between 1875 and 1885. Since then there has been some intermittent work by lessees, and in 1922 steps were taken to reopen the property.

The country rock is quartzite, a lens in the Yavapai schist, with some amphibolite schist. There are three veins, parallel and following the strike and dip of the schist; that is, N. 25° E. and 75° W. A porphyry dike 50 feet wide is said to have been cut between the Peck and Occident veins. For the most part the ore appears in a bold quartzite bluff in the creek, rising about 50 feet above the stream grade. The tunnels following the veins start from creek level, and there are two shafts, at the north and south ends of the property. The northerly shaft, now in operation, is 387 feet deep, and the collar is 50 feet above the creek.

The veins are in places several feet wide. The ore consists mostly of dark-brown quartzite partly replaced by limonite. From the tunnel at creek level good specimens were obtained coated with green bromyrite, also containing a little iodine. A specimen rich in native silver was obtained from Mr. Tawney. The principal ore mineral was evidently bromyrite. The principal gangue minerals are siderite

or ankerite, now almost wholly converted to limonite. Barite is also present.

According to Mr. Tawney much rich oxidized ore was taken out from the shaft below the water level, though little of value was found in the lower levels. A specimen of sulphide ore from the 300-foot level is said to have contained 17.75 per cent of copper, 24 per cent of antimony, and 3,800 ounces of silver to the ton. Some zinc is also reported from the lower levels.

The extraordinary concentration of value in the oxidized zone of this vein is certainly remarkable, and it would seem possible that further exploration might reveal ore, though probably of lower grade in depth. No maps of the old workings are available.

(Bromyrite is silver bromide -- Ag Br, Ag = 57.4%)

NOTE RE PECK MINE -- 3/11/44

Call from Homer Snyder, Cleater, Arizona who says that he has recently bought the Peck Claims with improvements from Col. Polk and is now planning to start sorting over and shipping the north dump in which there may be some 7000 tons of ore that will carry about 12 ounces silver per ton. He will put this in the bin at the old mill and haul it by truck to Mayer which over the very bad road by the Swastika Mine will cost \$2.00 or more per ton and then ship to Hayden or Clarkdale where he will get good smelting rates because of the high content in silver.

PECK MINE

Scale 100' = 1"



Tawney Shaft

Peck Creek
Old Shaft

N. Adit

Or

300' level

Re Peck mine.

Mayer Ariz 4/10/39

Mr G. M. Calverness,

Phoenix Ariz.

A 4/20/39

Dear Mr. Calverness: Mr. Upton told me upon his return from Phoenix, that you would like some information about the Peck mine. Such information that I can give you will have to be from memory because when A. J. Edwards and John Peel, or the American Silver Mines took title to the property from me they got all of my dope including the only late authentic map that I knew of being in existence. It was made by Herbert Shotwell when we had the mine unwatered in 1907. Wm. Waara may have these notes since he succeeded Shotwell in Prescott. Whether one could get a new map from him for a ^{reasonable} ~~reasonable~~ cost I could not say.

Our work consisted of a new shaft across Peck Canyon to the North of the old workings, and a drift south connecting with the old shaft which was approximately 585 feet distant.

our shaft was 387 feet deep with connecting level at 350 foot point. or 300 feet below Peck Canyon or North tunnel level, our shaft collar was about 50 feet above this level.

About all the encouragement we got in driving this drift, was a small lot of native silver and native copper ore at a point about 97 feet south or away from our shaft, we made a couple small lot shipments of this ore to Humboldt in late 1906 and again in 1907. I remember having a payment for ore coming when they went bywire in the fall of 1907, one assay of a black sulphur ore that I remember, out of this work, and just about enough for an assay, ran $19\frac{3}{4}\%$ Cu. 24% antimony and 3500 ~~to~~ ounces silver.

However as to antimony in the Peck I don't think one could expect enough for any practical purpose. Giroux confirms my opinion in this, and by the way says to tell you to contact Johnny Russel Prescott, who with a partner has some good antimonial ore

on a claim down between Canon and Gillette,
I know nothing about it.

There are dumps and fills at the Puck that
should run around 8 to 10 ounces silver, probably
at least 10,000 Tons. But an attempt to cyanide
this ore by Dan Finlayson proved a failure or
you know, I believe he was lead to believe that
this material would run around 17 to 19 ounces,

I am afraid that I am not giving you
much information of value. My interest in
the Puck is a good deal, one of sentiment.

and if I could afford it I would like to
do some additional development there.

Because we established the fact that there
was some phenomenally high grade sulphide
on this lower level, and the gamble would
be to find a commercial quantity.

With silver at $\$100$ or better, lessons might be
able to do some screening and sorting on the
dump, and bring in some return,

as a leasing proposition the high grade value
there makes it, or would make any work
attractive, with a good silver price.

However the old timers did not overlook many bets
and high grade is scarce and hard to find
there. So I hardly know what to offer in
connection with this property at this time.

If you happen through Mayer at anytime would
be glad to discuss the proposition with you.
or if I can be of any assistance to either
Abraham Palk or yourself don't hesitate to call
on me, you are welcome to any dope I have,

Yours Very Truly
O. L. Lawney,