

MINING LOCATIONS.

What Notices Must Contain to Entitle Claimants to Survey for Patent.

U. S. SURVEYOR GENERAL'S OFFICE, TUCSON, April 9, 1880.

EDITOR CITIZEN: In accordance with your request, I herewith furnish you some matter which may be of use to locators of mining claims and to those mine owners who contemplate applying for surveys for patent.

Section 3234, Revised Statutes U. S., contains these privileges and requirements, viz:

The mines of each mining district may be reclaimed not in conflict with the laws of the United States, or the laws of the State or Territory in which the district is situated, getting the location, manner of recording, amount of work necessary to hold possession of a mining claim, subject to the following requirements: The location must be distinctly marked on the ground so that its boundaries can be readily traced. All records of mining claims heretofore made shall contain the name or names of the locators, the date of the location, and such a description of the claim or claims located by reference to some natural object or permanent monument as will identify the claim.

Directly referring to the law just cited, the General Land Office has in its instructions to Surveyors General as follows: These provisions of the law must be strictly complied with in each case to entitle the claimant to a survey and patent, and therefore should be carefully read and understood by the locators, who have not complied with said requirements in regard to marking the location upon the ground and recording the same, apply for a survey, you will do so to make it.

It is only valid for a party under such circumstances to be made a new location in conformity to law and regulations, as no case will be approved and patented by this Office unless there and all other provisions of law are substantially complied with.

Most claims are so located that, if sure of any monument named in the notice of location, the boundaries could be readily traced, but very few "records of mining claims" contain such a description of the claim or "claims located by reference to some natural object or permanent monument, as will identify the claim."

A few weeks since application was made for an official survey of two claims of which the following are exact copies of the certified record notices of location, except the names of locators and locators and claims referred to in said notices, viz:

Location Notice. Notice is hereby given that the undersigned in compliance with the requirements of the mining act of Congress approved May 10, 1872, has this day located and claimed five hundred linear feet along the course of this lead, lode or vein situate in the Patagonia mining district, and also six hundred feet in width on each side of the middle of said lead, lode or vein in Pima County, Arizona, and described the same particularly as follows: Commencing at this monument of a cross, being the corner of the north end of claim and upon which this notice is posted, thence westerly 500 feet to a monument of stone, thence southerly fifteen hundred feet to a monument of stone, thence easterly three hundred feet to a monument of stone, thence southerly fifteen hundred feet to a monument of stone, thence westerly three hundred feet to the place of beginning. This claim is situated 1/4 mile east of the mine, 1/4 mile southeast of the mine, easterly of the mine in the above district and shall be known as the mine. Located March 22, 1879. Locator.

Notice is hereby given that the undersigned in compliance with the requirements of the mining act of Congress, approved May 10, 1872, has this day located and claimed fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz and six hundred feet in width on each side of the middle of said lead, lode or vein, situate in the Patagonia mining district, county of Pima, Arizona, and more particularly described as follows, to-wit: Commencing at this monument of stone and rail 1500 feet northerly and 1000 feet southerly. This claim is situated 1/4 mile east of the mine, 1/4 mile southeast of the mine in the Patagonia mountains, Arizona Territory, and shall be known as the mine. Located March 22, 1879. Locator.

An order for survey was refused (save up in conditions) on these notices which were duly certified to by the County Recorder. And the refusal was not based upon the claim to 600 feet on each side of the middle of the vein, for in the first notice the distance on the boundary shows but 200 feet intended, and in the other, such claim was evidently an error and more excess, and did not relate to identification of claim. The applicant thought my refusal wrong; said his counsel so advised him; that my action would work great hardship to his company; that delay would work great damage, etc., and these assertions of applicant I communicated to the Commissioner of General Land Office (with copies of location) by letter of March 10, and requested a telegraphic reply as to the sufficiency of such record notices to warrant a survey for patent, and received this response:

WASHINGTON, D. C., March 22.—John Wason, Surveyor-General, A. T. Mineral locations made since May 10th, 1872, must comply with section twenty-three hundred twenty-four, Revised Statutes, relative proper location and record before survey for patent. Locations described insufficiently.

Attention is specially called to the fact that in no instance, to my knowledge, has the General Land Office treated such defective records of location insufficient to hold possession of a mining claim, nor have I in any case intimated, much less held, that such deficient notices invalidated a possessory right, but the General Land Office holds and so instructs me and

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PATAGONIA DISTRICT.

Washington Group of Mines—Mount Washington—Continued Large Showing of Carbonate Ore.

Mount Washington, like Carbonate Hill, is one complete network of mines, and mining locations, a very large proportion of which show up ore of a superior quality. Like Carbonate Hill the mines are mostly on the eastern slope of the mountains, though north of the Washington Camp there are a low succession of mountains in which are found a number of fine prospects carrying ore of similar character and grade, and are in my opinion, a continuation north of the same leads described in my last, which have their source in Carbonate Hill. The Washington mine at the base of Mount Washington, has some 300 feet of shafts and drifts, exposing an immense deposit of yellow ochre looking ore which is rich in gray carbonates. The old prospect shaft on the Washington is all in ore and a drift or cut some thirty feet west has failed to define the width. A vertical shaft was sunk about 200 feet north of the prospect shaft, to a depth of eighty feet, but as a result fire destroyed the windlass and burnt out the timbering and ladder; I was unable to examine this shaft. The Washington was one of the first mines sold in the district, and is owned by Messrs. Haggis and Tavies, San Francisco.

The Last Chance is evidently a continuation of the Belmont lode, so are the Lone Star and Ellis, which run over the very highest point of Mount Washington, where it is divided by granite on the west, and lime on the east. The Last Chance has two years assessment work done upon it, and has the appearance of being a strong ledge. The Lone Star, being the next location on the Belmont lode, also gives evidence of strength, though as yet but little ore has been found. A tunnel has been run to a depth of thirty feet, in vein matter. The Ellis comes next of this lode, and like the Lone Star is a strong ledge; there is an open cut on the Ellis of seventy-five feet, all in ore. Shaft No. 2 is down twenty feet and shaft No. 3 is about the same depth. A cut at the north end exposes a large body of ore, about 125 feet wide, and averages forty-two ounces in silver.

Passing from the Ellis east we come to the Cincinnati, another lead that gives evidence of strength and permanency. Some 200 tons of ore have been quarried out in leveling up a place for a dump and shaft which gives \$130 a ton in silver.

The Rock Island lies southwest of the Cincinnati. So far there has been little found in doing assessment work on this location.

The Chicago lies southeast of the Washington mine and camp. Though developed to a limited extent a nice lot of ore is piled up on the dump.

We will now pass on to the west side of Washington Camp, where we find the Columbia, which has a shaft down thirty-five feet; an open cut has been dug out on the surface level, yielding sixty tons of ore which assays seventy dollars in silver. The surface indications are good and we may look for a good report from the Columbia.

The Continental, about half a mile north, has a shaft down thirty-five feet showing a large body of free milling ore of high grade. A contract for a fifty-foot shaft on this mine is now progressing.

The Waco has been developed to a limited extent, showing up a three foot ledge of vein matter and a moderate amount of ore which goes from \$100 to \$250 per ton.

The Mark Twain has a 10 foot shaft which shows up some pretty ore.

The Charley Ross claim has an open cut of 20 feet, and a shaft down 25 feet, all in ore that will assay \$80 to the ton.

Messrs. Childs, Thomas & Co., have a shaft down on their claim 35 feet showing a vein of high grade ore.

The Davis mine has several open cuts, most of which expose ore, and a shaft down some 35 feet with some fine looking ore in the bottom. The Sunset belongs to the same group as the Davis, and the ore is much the same; but better work has been done on the latter. I was told that the Davis and Sunset assayed from \$90 to \$150 per ton, and is melting ore.

The Bagdad lies immediately west of the Davis, near Washington camp. A shaft is now being sunk, which looks well; a good body of smelting ore has been struck similar to that found in the Davis and Sunset.

The Redoubt, like El Campo, east of the Washington, both look well. But a limited amount of work has been done on these claims, though they are looked upon as good prospects.

The Key West has a 10 foot shaft which opens a vein of free milling ore of high grade.

The Cachise. There has been considerable surface work done on this mine, and a tunnel driven some 20 feet in shows a good quality of ore.

The Cincinnati mine has its main shaft down 50 feet; shaft No. 2 down 10 feet; shaft No. 3 down 10 feet. The average assay of the ore from the Cincinnati is \$90 per ton. It lies northwest of the Washington camp a short distance.

The Ohio mine has a shaft down 41 feet and another 15 feet, a cross-cut of 27 feet and a drift of 70 feet, all in good ore which assays \$40 in silver. Notwithstanding the ore of this mine is low grade, it is, owing to the large amount of free smelting ore in sight, looked upon as a valuable property, and had it not been under bond, could have been sold for cash at a considerable advance over the price for which it was bonded.

The Bon-ke, about a mile and a half north of Washington camp, shows a three foot vein of milling ore which assays from \$38 to \$112 in silver.

The Eureka mine, west of the old Mowry mill-site, has a 38 foot shaft and a 30 foot tunnel, which opens up a large body of low grade ore.

In my next I will give you a description, together with the amount of development made, on mines between this camp and Harshaw.

SOJOURNER.

The Contention lullion is about twenty-five per cent, or a quarter, gold.

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