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Report on the Cram mountain Crown of Intering Claims

By D. G. Cotes, h.S.

Said property to located on Cave Creek in the Magazine Dining District, Maricoha County Orizona, Sistance from Phoeniz, 45 miles. Of Phoeniz there are two competing railroads, the Santa Se and the Southern Pacific.

This group consists of Twenty two mining claims. Size of claims 600° wide and 1500 feet long, making a little over 440 acres.

The formation or country rach to composed of Parkhyry, Dichase, State and Schiot, with three hariset harkhyritie from copped dynes that out through Cram mountain from the harth-East to the South-Best. These various dynes are sophed over by Hematite and Red Gride of From, with large croppings up through the cape of Carbonate of Copper convince both Cold and Silver. The iron copping vary in width from 70 to 120 feet, length about 7,000 ft.

Sevelopment work consists as follows: hain Junnet (Size 6 a 4) feet, length 500 feet) at two hundred and lifty feet from its mouth, the hunnet auto the air shaft vein. Said Din Shaft is ventical. Distance from Junnet to the auricas is one hundred and seventy five feet. The work on the circhaft was commenced on a vein of Canbenate Dre, at the debth of sighty feet burnits one in bunches was encountered with the canbonate one. Dit the commention of the Gir Shaft and hunnet the one to a minimum of Bonnits, hed Oxide and Sulphide. Of this hoint, a level has been hun twelve lest west showing possibly a hanging wall on the south side, but no fost wall. The one have to still in bunches as usual.

Sorby-live leet forther on this tunnet there is a winz auch to the depth of severy-live leet. The one from this winz is suthfide and sorbits, will some consendes. Near the bottom of the winz there is a drift rum south toward the six-chaft voin. Sistance, thirth leet, continuous in one, but not a solid mass. The gangue metter in this level will shows leaching process. At this depth in the (250 leet) there is no suideness of a loot wall between winz and the six shaft voin. Twenty leet further on in the tunnet, hart of the One body, one commencing at the our shaft voin, south side has the appearance of a hanging wall, but the drift couth from mean the bottom of the winz towards the our shaft voins, and from the dir of the one in the tunnet and the one haft voin shows no loot wall, also from the next twenty feet lands of the winz, and from the dir of the one in the tunnet and the one body between the winz and the air shaft it is in the nature if the formation that these one bodies converge at the circohaft voin, but what the width will be no man can tell until further development.

Jacilities for treating the ore——At the foot of the mountain, there is an overflowing othern of water, (Caus Creek) also a large growth of timber on the bank, cottonwood, Sycamore, mountain Wik—an abundance of timber and fuel. So for the mine has required very little timbering.

it the which and of Oram mountain where the Creek nume along the side of it (Shio Claim) there are northwest byles on either side that are very mean perhandicular, that would make a good walt for the construction of a dam on the creek. There are several boxed places between the one mantioned above and where the creek croekes the south alone claim which I believe could be utilized for hower. The distance between these various walts is from 40 to 75 feet.

The oir claims east and connecting with the Cram Mountain group show various anothings of Canbonates, lites some living shrings on the Maggie Claim and Quich. To other work other than assessment work has been done on those claims.

Attitude of the Cram Mountains. Joh, 4,000 feets at the base or creek ophosite the turnet, 3,000 feets at the mouth of the turnet, 3,700 ft; making the turnet 700 feet higher than the Creek.

In conclusion I would recommend the similing of the winz at the bottom of the six shaft at the end of the 12 feat drift spaken of above; by daing so you will encounter the one body that is at the face of the 888 30 feat tevel mentioned above; why I suggest this, I believe that the heavy Bulfilide one body ties towards the hanging wall of the air shaft voin.

Respectfully submitted

(olgaed) in E. Gotes, in E.

avenage

assans

Bining Claims located on Oran Dountain, Dagazine District, Denicopa County, Grizona Reported by Succen Santing & Relimino Co., Duccen, Oglassa

Rome of Cioin	CoMond	geta.	Stroom
No. 1 None No. 2 None Ro. 3 None	11.2 14.2 24.5	Tivgos	3 oz. 7 oz.
no. 1 Security no. 2 Security no. 1 Niggor/Yead no. 1 Stormand	11.1 14.4 10.11 7.3	5.00 37.50 2.40 2.40	27-10 2.
No. 1 Geometron No. 1 Venne No. 1 Junites No. 2 Junites	818 1011 101	1.20 2.40 2.00 2.40 2.40	21-4 3.1-4
no. 1 8000 no. 2 8000 no. 1 South Stope	10.0	2.60 2.00 4.00	1.1-2
No. 2 book and No. 1 houth Side No. 2 houth Side	25	5.00	1.1-4
ho. 2 Denue ho. 2 Geografon	20.1-10 22.4	7:16	

State of Orizona State of Orizona State Engineers Report

Mines Cram Mountain

Statrict: Cave Creek, Mariocha County

nost code Oveen, monocopa comin

Subject: Nine West

<u>Owners</u>: Raymond hellis, Sterling Price and E. Holf.

President: " " 314 n. 15th St., Phoenia (GL 3-4310)

Goent: Jemes H. Thompson, 2201 N. 27th Place, Phoenia

Prohontus 18 etoims

Socotion: 37h, R4E, Sec. 1 & 2

war, an upher turnel is 150' long and is commented to the surface by a ventilation raise. G 10' winze was such under the ventilation raise at the end of the turnel. The raise was inaccessible but the drift and raise showed strong mineralization by sulphides along with rhadometral trend. The turnel trends rearry at right angles to the older structural trends. G drift was driven south for 30' along a sheer zone at a point 100 feet from the partal. The second, or lower turnel (now mastly inaccessible) which is about 125 feet lower in elevation, was driven to a depth of 70-75 feet, according to Mr. Thompson. The size of the dump would roughly substantiate this figure. This turnel follows an intimately channel was entirely anides of copper.

Sohe: Seht. 25, 1959

Emors Sevie G. Smith

Houghly 400° to the couthwest from the tunnels several hits and cuts were made in a transverse fracture cone. These showed acurite, molachite and melacomite which were replacing rhodochrosite and sulphides.

Castonic The study of the gastons was somewhat handloophed by soil and cetrifal covers which are quite thich in some places. Nowever, it appears that the immediate area is composed of a dense district mass of large dimensions. This mass either grades into a parhyratic district or is introded by it in a dissible form. The "diss" and the formations surrounding the district mass trand markheast-courtwest and these formations pitch away from the district mass. These latter formations appeared to be composed of solicts and markheast limestone and these were only observed along the northweetheriphery of the district mass at a distance of at least 6 miles from the mine. This northwest trending older structure complex has been disrupted by choose which aughly parallel northwest trend and by other share which are more or loss transverse. Bet of these later chans then the conformable chears. In addition the cheared mass was out by transverse faults which trend in 30 degrees is not in 50 degrees in. The district mass is jointed by conjugate type of chattering which may have been caused by the extensive chearing and laulting. The intersections of these various chears and faults may have areased mineralization tool. In noticeable transition from the dense district to the more parhyritic phase was overwed, but the presence of interne epidetization in both hisses was soon. The epidetization is affiliated with the subshides in both types but in opponently connect in the prophyritic phase.

Orom Mountain Mine West - Soule G. Smith

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shedochnooite, in the harbity this lines, and the exherence botations have heathly, on whethy, commented this to assure, makeshite and moleconite. In most hispee, residual phodochnooite is still (mosent. This would probably indicate that the chance for antichment is very limited since consented tend to hald copper in the oridized zone. For the most part the oridis copper minerals have not been formed for from the original entitles below or quains and in many copes form halo anound, or remain in the capitles formed by the oridisc opper to authorize the oridisc opper to an another order of the orides opper to have concentrated within the fractures of a chear and may have moved out from the course materials.

The "Configuratio" phase is more operate; crustalline than the "shalpht" dientes, showing well delined aspite and nichocornosite phaseomypte southered through a finely anistalline ground wase. The "straight" dientes is dense and much much liner grained. The "straight" dientes allocant to the more parhimitie blique contains minute graine of allocants, bunits, and hunte with as observable nicologinavite. Os for as apply to be seen, without wicrescopic work, the subfitue blobs were much larger in the perphinitie those.

The authorite state show no distinctive where, or do they show herticum tenth estate a transition from "etraight" distinct to the "horhunite" distinction of the authorite to the "horhunite" distinction of the sulphides in size, where and tecation within both nocks may indicate magnetitie differentiation. The apparent absence of veinitate countries with the absence of observable incomment absence into be the sulphide blade is also suggestive. This also indicates that the jointing may have been expenditured upon the authorite bearing havis at some later date.

Conservely the "horshrulthe" those obtains in blolder telegrative notice than the "ethanolit" displie, indicating that it to either a hander rack, or was handered by the more intensive displication tracent in the "horshypitic" thas. The impression, gained from a distance, was that the enes occurred by the more horshypitic thas was not peak a dispension to dispension a dispension of considerable timest entert.

Same Dannite, hyrite and chalcompite Damarks mene procent, especially in the more "perphysitie" phase. In the upper tunnel incipient arider tion is producing a "Danmark" pattern cimiter to the more mature "Dazes" found above.

Three interpretations of the origin of the deposit from the incomplets evidence one engagested:

- (1) That the "horphynitie" diorite is intrusive into the "straight" diorite, and the intrusion is accompanied by intensive contaction metamorphism and the introduction of opidate along with the cultivities. This is also the possibility of a fidden intrusion.
- (2) That the contact between the two phases of the dionite is transitional due to conicite temperatures of cooling in the magne. If this is true, then a central core of "porphyritic" dionite would gradually become fines in tenture until the "dense" phase was reached. The

decrease in size of the subhide bisks, and other mineral bisks of ampetal, usual be instable also. This process could be rejected in a bands on as a halo. If this proves true then the deposit could be due to magnetic sequention. The appearst observe of fracture control to also suppositive of this time of origin. The decreasing either of the bullifile bisks out from the "herhfruitie" phase, coupled with the insequent character of the bullifile bisks to also undecribe.

(3) That intersecting inactures and discretioned the inchelinguiste himse of the dientite. Towever, the apparent absence of simplifies himse damp incomes and innocutes withhide bled forms one contest this bicome. The only emilencian which much from this theory, in these of the binocock authorized distribution, would be come form of minoralization cooling which would established accommodity softens contain innocutes among of different composition with the non-likely.

which of these three theories one connect will only be determined by constal constitling or for more intensive underground development. Then has been done to date: