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Gold Pen file

4-15-31.

GOLD PEN MINE

Presented by A. L. Flagg - 4-15-31.

Road to property fair - nearest town is Oro Blanco, and after passing this from Arivaca, turn off at sign "Gold Pen" and drive $2\frac{1}{2}$ miles. No camp or mining plant. No power available. Plenty of good water sufficient for 100 ton mill. Dump at shaft consisting of reject said to average \$4.00 per ton, about 2500 tons.

Mine is 31 miles from railroad at Amado and haul by truck costs \$3.50 per ton each way. On extension of vein is the Yellow Jacket Shaft 500' deep and good ore was produced here where a 20 stamp mill was run for some time. Yellow Jacket now belongs to an estate and could be acquired but Flagg has no records of production and does not know terms.

At Gold Pen Flagg thinks that there is probably $4\frac{1}{2}$ width of vein which would run \$12.00 per ton and present workings indicate that this extends to a depth of 100' and over a length perhaps 500' and across the Claim Line into the Yellow Jacket ground. Gold Pen Claims have length of 4500' on the vein. Foot wall is clearly defined but no true hanging wall is noted and in places vein appears to have width of 12 or 15' but probably would not average over 7 or 8 over this width.

With Shoot 4' wide and 500' long and 100' deep there should be 20,000 tons from which \$11.00 per ton might be received at total mining and milling cost of \$6.00, leaving profit of \$5.00 per ton, total \$100,000 on this block.

All this ore is oxidized and free milling. Sulfides come in at about 100' depth and some sample from sulfides show \$15 to \$17 per ton, but only 30% is free milling. Sulfides should concentrate nicely.

Owners ask \$125,000 for property but would sell 75% at much lower figure and would give option for sampling free and probably lease on royalty with option to purchase.

Flagg agrees that present terms are much too high but thinks owners would be reasonable.

Conclusion:- Property probably has merit but about \$25,000 would have to be gambled to prove up mine to 200' level and determine if it would pay cost of equipping and operating. Cost to equip for mining and milling 50 tons per day would be close to \$100,000.

But chances would seem to be to find good values in sulfides and over greater widths than indicated above. Fear that the exploration/^{money}would be hard to get under present conditions and results of samples accompanying report do not bear out Flagg's estimate of values.

Look up Yellow Jacket and Gold Pen.

BRIEF REPORT
ON
THE GOLD PEN MINING PROPERTY

The Gold Pen Mining Property, consisting of six unpatented mining claims is located in the Oro Blanco Mining District, about 80 miles southwest of Tucson, Arizona. The nearest shipping point is Amado on the branch line of the S.P. Railroad from Tucson to Nogales, Arizona. A good road twenty-nine miles long runs west from this station to Oro Blanco. From this town a road three miles long connects with the property.

The region surrounding the property may be described as a series of hills and ridges with moderately steep slopes. The elevation at the property is about 4000 feet above sea level. The climate is warm and dry in summer, and is characterized by occasional heavy rains. The winters are very mild.

The country rock is a quartz porphyry with a few small intrusions of a dark basic rock probably diorite. There is no surface evidence of pronounced faulting.

The main workings as indicated on the attached print consist of an incline shaft about one hundred feet deep from which drifts have been driven to north and to the south on

the sixty foot level, and the one hundred foot level. To date about one hundred twenty feet of drifts have been driven on these two levels. Considerable work in the early days was done in the vicinity of this shaft. All of these workings have caved except a vertical shaft fifty feet to the north of the present shaft. According to reports a considerable tonnage of ore was taken from these old workings and milled in Oro Blanc.

All development work has been done on an iron stained quartz vein. The vein varies in width from two to ten feet with an average of about six feet. The strike is north-west south-east and the dip about 50 degrees to the north-east. Most of the work has been done in the oxidized part of the vein. Some sulphides have been exposed on the one hundred level. Water was encountered at this elevation which indicates that leaching has not extended much below this depth.

The vein carries gold, silver and some copper. The samples from the sixty foot level which is wholly in the oxidized zone did not show any great concentration of gold. The best sample from this level assayed \$9.60 in gold and one ounce in silver. Samples from the one hundred level gave better results. One sample to the north of the shaft assayed \$17.80 gold and about one ounce and a half silver. Another sample taken south of the shaft showed \$9.20 gold. A detailed description of the samples taken appears on an attached sheet.

There are two veins to the north east of the main

Gold Pen - page #3.

vein that show gold but as no work had been done on them no samples were taken.

Ample water can be developed from two springs to satisfy a fairly large camp. From the amount of water encountered in the adjoining property (The Yellow Jacket) it is probable that deeper development at this property will produce enough water for milling purposes.

I believe that the property has sufficient merit to warrant further development.

I would recommend that the vertical shaft sunk to at least the 200 foot level. From this shaft drifting should be done on both the 100 and the 200 foot levels. This work will also serve to develop water for milling purposes.

(Signed) Paul Whitehead, E.M.

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SAMPLES TAKEN FROM GOLD PEN GROUP

<u>NO.</u>	<u>Level</u>	<u>From Shaft</u>	<u>Width Sampled</u>	<u>Oz. per ton</u>		<u>Remarks</u>
				<u>Au.</u>	<u>Ag.</u>	
1	60	35' south	4'	0.22	0.97	Iron stained quartz
2	60	35' north	4'	0.11	0.61	Iron stained quartz
3	100	40' south	3'	0.03	0.22	Copper stained "
4	100	30' south	4'	0.34	0.78	Sill of drift.
5	100	35' south	4'	0.04	0.30	Copper stained quartz
6	100	25' south	8'	0.46	0.94	Quartz and some sulphide
7	100	20' north	3'	0.24	0.56	Manganese stained quartz
8	60	25' south	4'	0.40	1.04	Iron stained quartz
9	60'	At shaft	3'	0.28	0.20	Iron stained quartz
1-E	100	30' north	4'	0.89	1.40	Quartz & sulphides
2-E	60	40' south	4'	0.48	1.16	Iron stained quartz
1-B	100	Face north	4'	0.56	0.60	
2-B	100	Face south	4'	0.06	0.10	
3-B	100	Xcut south	4'	0.72	0.60	
1-D				0.23	0.74	Dump 100 ft shaft
2-D				0.46	0.95	Dump 60 ft shaft
1-S			4"	1.36	0.98	75-ft shaft at collar
2-S			8"	0.96	1.46	Second stringer
3-S			12'	0.58	0.93	Opening in saddle
3-S			3'	0.78	0.96	In wash N of saddle

3-17-21

Open cut north of 75' shaft:

Au.

5-54 12" of iron stained quartz on hgwall 0.84 \$16.00
 5-55 12" of altered country rock fwall streak 0.22

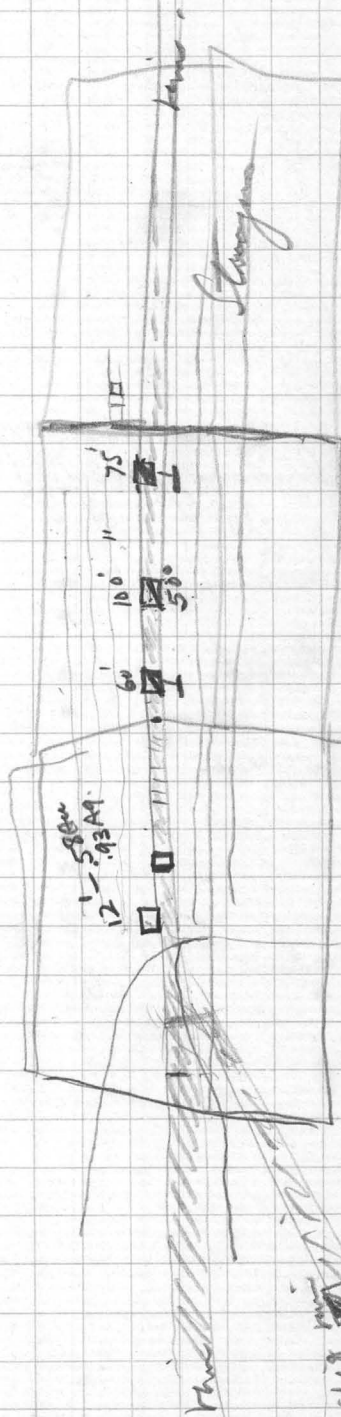
South of 75' shaft is shallow hole with drift north and south

S-56 Across 3 feet of out-crop north side of this hole - 0.18 oz. Au.

Right of road below saddle to north, old assessment hole partly filled shows 3' of altered country rock and qtz seams -S-57-0.10 Au.

S-58 - three feet more of fwall (?) 0.08 oz. Au.

Isid. Pen.



Yellow just days.

500 days.

Revised lot of good ore.

(Electric) Power line. July 29.

Don't know how

that

Compass

80 (80/840) A

50

73

640 Station

Electric line (03.9.1)

Compass

Electric

Compass

Stops. Small station. Day. 03.9.1

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