

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Report by H. M. Dole
August 8, 1946

American Beauty prospect (gold)
Old name--Tip Top

Lower Applegate Mining District
Josephine County

Owner:

Howard H. Griffith

Frovolt, Oregon

RECEIVED
AUG 31 1946

Area:

1 claim (20 acres) held by location.

STATE DEPT OF GEOLOGY
& MINERAL INDS.

Location:

In the NE $\frac{1}{4}$, Sec. 20, T.38S, R.5W. On the north slope of the mountain south of Powell Creek.

It is 22 miles by road and 1 $\frac{1}{4}$ miles by old wagon road to Grants Pass, the nearest shipping point. Of that distance 17 miles is paved county highway and the rest is dirt road.

History:

The claim was originally located in the early 1900's by the Messenger brothers. The claim reverted to open ground and in 1937 W. J. Schara and Mr. Griffith relocated it. Mr. Griffith acquired full rights to the claim in 1944.

It is reported that the only production was around 1905 when the Messenger brothers hauled five or six tons from the shaft to an arrastre on William Creek. The ore was supposed to have run around \$11.00 (old price) per ton.

Topography:

The hillside on which the prospect is located has a slope of around 30 to 35 degrees. To the east and north it is rough and mountainous, and to the west and south the valley of Williams Creek.

The climate is mild. Rainfall is about the same as in all of Josephine County. In winter several inches of snow will fall, impeding most prospecting.

Development work:

See attached map. (FILED WITH MINE MAPS)

There are 10 cuts with a total of 200; 5 drifts with a total of 270', and 8' crosscut, and a 16' shaft on the property.

From the lowest to the highest cut showing a vein is a difference in elevation of 360', measured by vertical angles on the Brunton and checked by aneroid.

There are 4 drifts in ore with a vertical difference of 135'. The lowest and longest drift is 182' plus 36' of open cut; the highest is 9' plus 10' of open cut. The intermediate two are 78' and 15' long.

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Geology:

The Preliminary Geologic Map of the Grants Pass Quadrangle (Wells, '40) shows a lens of metasediments cutting the metavolcanics in the area of this prospect. Diorite intrusives are mapped a half mile to the north-east and one mile to the south and diorite dikes are found in the Oregon Bonanza one mile to the east.

The workings of the American Beauty are in diorite and related rocks and metasediments. Metavolcanics are exposed a short distance to the west. The diorite is thought to be a dike cutting the metasediments nearly at right angles to the strike of the lens. It varies from a medium grained diorite to a dark colored, fine grained rock which should probably be called an amphibolite. The metasediments are principally argillites. They are black in color, very dense, and have a rough parting.

The veins occur in a fracture zone that has a SE-NW trend. The zone is at or near the contact between the diorite and the metasediments. Its greatest width noted was 12.8'. This was above the portal at adit E. The smallest width was 3.8' at cut I. Two main quartz veins lie along or within a couple of inches of either wall of the zone. The vein along the hanging wall appears to be the stronger of the two. It varies in width from 1" to 4.4', and will average around 1.0'. The footwall vein varies in width from 0' to 5.5' and will average around 0.5'. It was not recognized in cuts A or G. Inclusions of country rock within the quartz are more noticeable in this vein. The strike of the veins varies from S14E to S33E, the greatest length, however, is in the S25-33E range. The dip is to the northeast and varies from 80 to 80 degrees. Swelling and pinching of the veins is common. At the crosscut and shaft in adit D the two veins have joined, giving an overall width of 9.9' with the east wall still in quartz. The hanging wall probably isn't many inches away, however, as it is exposed in the shaft. Fifty feet vertically above, adit E is all in quartz and probably represents the upward continuation of this pod. In adit C at station 5, approximately 50' below the crosscut, the footwall vein is 2.5' wide and the hanging wall vein is 2.1' wide. Evidently the veins split a short distance above the back at this point. A conservative outline of this chute is given on the map. Whether or not the veins exposed in cut A and cut I are the extensions of the vein exposed in the rest of the cuts and adits could not be determined, but it is thought that they are. The quartz of the vein probably represents a later phase of the magma which furnished the diorite. The mineralization accompanied the quartz. At least part, if not all, of the gouge in the zone was probably formed with the injection of the quartz for the bulk of the gouge lies between the two main quartz veins. The gouge is light buff in color, soft, and where dessicated very "punky". One half inch to 2 1/2 inch quartz veins running through it are common. Included in the gouge and quartz are numerous xenoliths of altered country rock. These xenoliths are a dark grayish-green color and are composed principally of chlorite, epidote, sericite, quartz, calcite, and disseminated sulphides.

The ore minerals are free gold, pyrite, and chalcopyrite. The gangue minerals of the vein are quartz, calcite, and altered wall rock. Oxidation products are limonite and malachite, the latter occurring as a stain in the quartz near the face of adit C. The calcite occurs mainly as small veinlets with quartz in the altered country rock. It is most noticeable in adit C between the two veins approximately 125' to 165' in, and near the face of the drift.

Mining:

The barest of prospecting; hand tools only.

Author: H. Dole, 1946 (?)

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AMERICAN BEAUTY PROSPECT (GOLD)
(old name--Tip Top)

LOWER APPLIGATE MINING DISTRICT 702 Woodlark Building
JOSEPHINE COUNTY, OREGON Portland, Oregon

Economics:

Before any estimates as to the amount of ore in sight can be given thorough sampling should be done. However, going on the basis of the reports of the 5 or 6 tons of ore taken from the shaft by the Messenger brothers around 1905 there is at least 1000 tons in the chute outlined on the map. It should be borne in mind that this information is by word of mouth and many years old. Mr. Griffith estimates that there are 300 tons on the dump at adit C, 150 tons at adit D, and 50 tons at adit E. Grab samples from these dumps taken by Mr. Griffith and assayed by the Montana Assay Co., ran \$15.00, \$18.00 and \$8.00, respectively. I believe his estimates on the tonnage are high.

Further exploration between adit C and cut A should be carried on to determine whether or not the veins are continuous. If so this would expose considerable more tonnage, provided, of course, that the gold content of the vein is sufficient.

It is quite likely that continued exploration on the present drifts would uncover other swells in the vein. The present vein width at the different faces is enough to warrant continued work if the gold values are great enough.

Cost of mining should not be out of the ordinary.

It would not be difficult or expensive to reopen the road from the Hundinger to this property.

There is not sufficient water or a site for a mill on the property. Powell Creek, less than 1/2 mile, airline, to the north and approximately 1000' lower in elevation affords both of these. There is sufficient timber for any type of operation.

This is in the mineralized area bounded by Powell, Mungers, and Williams Creek. The Oregon Bonanza Mine is one mile to the east, the Hundinger is less than a mile to the southeast, and the Red Rose is a little over a mile to the west. All of these mines have been producers.

Mr. Griffith would like to sell the property. If he doesn't get any buyers he plans to install a small 2 ton ball mill and mine the high grade.

Informants:

H. H. Griffith
Jim Bristol

Addendum:

The assays speak for themselves: see attached sheet.

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ASSAYS:

Sample no.	Au.		Ag.		total value
	oz/ton	value	oz/ton	value	
✓ 135	0.136 oz.	\$4.725	Trace		\$4.725
✓ 136	0.14 oz	\$4.90	Nil		\$4.90
✓ 137	0.06 oz	\$2.10	Nil		\$2.10
✓ 138	0.01 oz	\$0.35	Nil		\$0.35
✓ 139	0.03 oz.	\$1.05	Nil		\$1.05
✓ 140	0.01 oz	\$0.35	Trace		\$0.35
✓ 141	0.03 oz	\$1.05	Trace		\$1.05
✓ 142	Nil		0.31 oz	\$0.28	\$0.28
✓ 143	Nil		0.24 oz	\$0.217	\$0.217
✓ 144	Trace		Trace		
✓ 145	Trace		Nil		
✓ 147	0.01 oz	\$0.35	Nil		\$0.35
✓ 148	Nil		Trace		
✓ 149	0.025 oz	\$0.875	Trace		\$0.875
✓ 150	0.07 oz	\$2.45	0.40 oz	\$0.362	\$2.812

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