

**HAPPY DAY GROUP (Blanket Ledge Mine) (gold)**

WALDO DISTRICT

**Owner:** Harry Welch, Cave Junction, Oregon.

**Location:** SE<sup>1</sup> sec. 12, T. 41 S., R. 7 W., on divide between Althouse and Indian Creeks and southwest of Bolan Lake, at an elevation of 5000 feet.

**Area:** Four claims, lying 2400 feet east-west, and 1500 feet north-south. Recorded in vol. 37, pp. 180-185, mining records, Grants Pass, Oregon.

**History:** The locality is a famous "pocket" country and the hillsides are covered with shallow pits, shafts, and tunnels. Stories vary as to the amount of gold recovered, but the amount ranges from a few dollars to several hundred dollars. Althouse Creek has been placered to its head (at the northwest foot of the Happy Day claims) and the Green Cr. fork of Indian Creek is being placered at present, as is the main fork of Indian Creek.

There are several tunnels on the property, most of them were opened by earlier locators. At one time, a mill was operated by Welch, handling some of the dumps.

**Development:** There are a number of trenches and adits. Three principal adits on the south<sup>east</sup> side of the hill; the lowest one is about 400 feet below the road, - extends in a northwesterly direction for about 500 feet. It is reported that it was driven in slate to cut the "blanket ledge". The other adits are 50 feet above the road and average about 100 feet in length. There are numerous trenches and shallow adits that expose quartz veins that vary in width from 6 inches to 3 feet.

A small mill was constructed near the portal of the lowest adit. The mill treated tailings from the dumps of some of the adits which presumably were used to extract high-grade ore. It is reported that

Development: (continued)

that these tailings plated \$15 to the ton. Snow has saved the mill and equipment has been removed.

Equipment: None

Transportation: The property is reached from Grants Pass via Redwood highway to Cave Junction, then east on the Caves Hwy. to the Bridgeview turn-off, then to Bridgeview at which point the road to Takilma is taken for a distance of about a mile to the beginning of the Forest truck trail to Bolan Lake. Excellent truck trail to the property. Distance from Cave Junction is 22 miles. Road is passable for trucks from May to November.

Mining Facilities: It is reported that water-for-a-mill can be brought to the mill by gravity. No data on timber or water rights. Timber, on the claims, is not plentiful, but may be sufficient for prospecting work. Timber on adjacent areas is plentiful.

Topography: Mountainous, with precipitous slopes that measure an average 40° slope to the creek bottoms and a relief of 2000 feet in the vicinity of the property. The southeast exposure of the property has a slope of about 20° to 40°, and the northwest side is precipitous.

Geology: The country rock is principally black slate (Galice fm.?) which is intruded on the southwest by a narrow band of granatoid rock, and on the northeast by a narrower band of light-colored igneous rock. Still farther east, in the vicinity of Bolan Peak, meta-volcanics become predominant.

The slate country rock encloses a ~~very~~ persistent (?) quartz seam that strikes N 35° W., and dips 12°, S. 55° W. Its width varies from 6 inches to two feet. There are many irregularities in the

Geology: (continued)

strike and dip of the quartz vein, but the above dip and strike is general. There is some faulting, - one fault trends more or less with the strike of the quartz and the displacement seems to be principally horizontal.

The quartz seam is reported to be the "high-grade" although the slate country rock is reported to be impregnated with gold for some distance from the contact. Reported assays for the slate average \$5 and for the quartz, \$35. The owner estimates 12,000,000 tons of milling ore.

The quartz and the slate are heavily metallized, in local areas, with various sulfides, principally pyrite and arsenopyrite (?). Milling difficulties indicate that a portion of the gold is <sup>locked</sup> in the sulfides.

Informant: Harry Welch, and Ray C. Treasher, July 17, 1940.

Report by: RCT, July 18, 1940.

HAPPY DAY GROUP

WALDO DISTRICT

CONFIDENTIAL

See attached reports submitted by Welch to this Department

I took no samples at the time of this inspection and therefore have only Welch's word for the value of the assays and the accuracy and reliability of the cutting of the sample. IF the slate country rock averages \$5 over a width of plus 5 feet, and the 6 in. - 24 in. quartz seam averages \$55, it would appear that there is a sizeable body of low-grade milling ore.

I believe that it would be advisable to make a more careful survey of the area -- locate the various pits and adits with a plane table and stadia, survey the adits with tape and Brunton, and plot all data. Then, perhaps some rhyme and reason can be deduced from the mixed-up mass of veins, seams, and faults. Some careful sampling should accompany this survey.

The Pony Shoe mine is at no great distance to the southwest and it is believed that a survey of the Happy Day Group and the Pony Shoe could be more or less combined.

Ray C. Treasher,  
July 18, 1940.

Blanket Ledge Mine  
Ben Baker & Father

Two adit about 100 ft in length  
Strike  $N 0^{\circ} E$

Dip:  $15^{\circ}$  West

Country rocks meta-<sup>sediments chert</sup> volcanics  
A dense black rock with a  
platy cleavage.

Vien: shear zone about  
an average of 1 foot with  
a continuous seam of quartz  
3-4" in thickness. Ore minerals  
pyrite + gold.

About 60% free milling

STATE DEPT. OF GEOLOGY & MINERAL INDUSTRIES  
FIELD OFFICE  
312 S.E. "H" Street P.O. Box 417  
Grants Pass, Oregon 97526

BLANKET LEDGE MINE  
or Happy Day Group

Josephine County  
Waldo District  
October 3, 1945

Owner: ~~Ben Baker, Grants Pass, Oregon~~ *HARRY WELCH, CAVE Junction*

Location: The mine is located approximately two miles west of Bolan Lake on the Bolan Lake Road at an elevation of 5,000 feet. T. 41 S., T. <sup>7</sup>6 W. Sec. 13

Area: The mine consists of four located mining claims.

Topography: The mine is located on a steep mountain slope at an elevation of about 5,000 feet. The area in the vicinity of the mine is rugged mountainous country.

Development: The vein is open by two adits about 100 feet long from which several flat stopes have been worked. Equipment at the mine consisted of a small compressor, jack hammer and auxiliary equipment. The ore was broken in the stopes, picked up in wheel barrows and transported to a small bin holding perhaps a ton and then hauled by truck to the Frog Pond mill.

Geology: The vein is in metasediments, locally cherts of Paleozoic age or older. A small mass of diorite is exposed a short distance west of the vein as an intrusion into the metasediments.

The vein strikes approximately north and has a dip of 150° to the west. The vein consists of a shear zone 8-10 inches in width accompanied by a band of quartz 3-4 inches thick. The principal minerals in the vein are pyrite and gold. According to Mr. Baker 50 - 60 percent of the gold is free milling. The Ore is said to assay from \$12 - \$17 per ton.

Informant: Ben Baker and E.A. Youngberg

Josephine County  
Walds Area  
Oct. 3, 1945

Report. By. E. J. Young  
day

Blanket Ledge Mine: Gold  
or Happy Day Group  
Harry Welch, Cave Junction

Owner: Ben Baker, Trout Lake Oregon

Location: The mine is located approximately two miles east of Bolan Lake on the Bolan Lake Road at an elevation of 5000 feet.  
T. 41 S, R. 6 W. Sec. 13.

Area: The mine consists of <sup>four</sup> ~~one~~ located <sup>mining</sup> claim.

Topography: The mine is located on a steep mountain slope at an elevation of about 5000 feet. The area in the vicinity of the mine is rugged mountainous country.

Development:

The vein is open by two adits about 100 feet long from which several flat stopes have been worked. Equipment at the mine consisted of a small compressor, jackhammer and auxiliary equipment. The ore was broken in the stopes picked up in wheel barrows and transported to a small bin holding perhaps a ton and then hauled by truck to the Frog Pond mill.

Geology: The vein is in meta sediments, locally shales of Paleozoic age or older. A small mass of diorite is exposed a short distance west of the vein as an intrusion into the meta sediments.

The vein strikes approximately north and has a dip of  $15^{\circ}$  to the west. The vein is ~~average 10 to 12 inches in thickness~~ consists of a shear zone 8-10 inches in width accompanied by a band of quartz 3-4" thick. The principal minerals in the vein are pyrite and gold. According to Mr. Baker 50-60 percent of the gold is free milling. The ore is said to assay from \$12-\$17 per ton.

Informant: Ben Baker & C. A. Youngberg  
Report. By: C. A. Youngberg.



RIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M061319  
 RECORD TYPE..... XIM  
 COUNTRY/ORGANIZATION. USGS  
 DEPOSIT NO..... DDGM1 100-454  
 MAP CODE NO. OF REC..

## REPORTER

NAME..... JOHNSON, MAUREEN G.  
 UPDATED..... B1 02  
 BY.....

## NAME AND LOCATION

DEPOSIT NAME..... HAPPY DAY GROUP  
 SYNONYM NAME..... BLANKET LEDGE

MINING DISTRICT/AREA/SUBDIST. WALDO

COUNTRY CODE..... JS  
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR  
 STATE NAME: OREGON

COUNTY..... JOSEPHINE  
 DRAINAGE AREA..... 18010209 CALIFORNIA  
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS  
 LAND CLASSIFICATION..... 41

QUAD SCALE            QUAD NO OR NAME  
 1: 62500            OREGON CAVES

LATITUDE            LONGITUDE  
 42-00-35N            123-28-48W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
 4650750.0            460250.0            +10

TWP..... 41S  
 RANGE..... 07W  
 SECTION.. 13  
 MERIDIAN. WILLAMETTE

## COMMODITY INFORMATION

COMMODITIES PRESENT..... AU    AG    AG

ORE MATERIALS (MINERALS, ROCKS, ETC.):  
GOLD, SULFIDES

COMMODITY SUBTYPES OR USE CATEGORIES:  
3.729 AU:AG

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
VEIN

FORM/SHAPE OF DEPOSIT: BLANKET

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL  
DEPTH TO TOP ..... 9 FT  
MAX THICKNESS..... 1 FT  
STRIKE OF OREBODY..... NEAR HORIZONTAL  
DIP OF OREBODY..... WEST

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):  
ABOUT 500 FEET OF WORKINGS IN THREE ADITS.

PRODUCTION

YES  
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OVERBURD.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1 ORE SML		.136	TONS		
2 AU SML		.041	OZ	.302	OZ/T
3 AG SML		.011	OZ	.081	OZ/T
23 AU, EST	.140	TONS		1932-1946	0.30 AU, 0.08 AG

PRODUCTION YEARS..... 1932-1946 (INTERMITTENT)

SOURCE OF INFORMATION (PRODUCTION).. USBM

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI