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STATE DEPT. OF GEOLOGY
& MINERAL IND.

STATE OF OREGON
STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRY

239 SOUTHEAST H STREET
P. O. BOX 417
GRANTS PASS, OREGON

DOUBLE JACK MINE - Au, Ag

Ashland District
Jackson County

Owner-operators: Orin A. Barlow and Olen H. Barlow, Box 122
Phoenix, Oregon.

Area: 3 lode claims—the Free Gold, Black Bear, and Double Jack.

Location: The principal workings are situated on top and on the northeast side of a small northwest-trending ridge in the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ sec. 14, T. 39 S., R. 1 W.; at 3,300 feet elevation. From Talent on U.S. Highway 99, it is reached via the Wagner Creek road for 5 miles, then to the right (west) across Wagner Creek and up Arrastra Creek about $\frac{3}{4}$ mile to the cabins and arrastra, and about $\frac{1}{2}$ mile up the mine road to the ridge top.

History and production: The mine was first worked by E. K. Anderson in 1870. A lower tunnel at about 3,100 feet elevation was driven by Jack Garbin in 1909.

Old shafts on the ridge top were worked by Orin and Maurice Barlow during the 2-year period from April 1939 to April 1941.

The recent tunnel work to explore the vein below the old shafts was begun by the present operators in the winter of 1961-1962.

Accurate production records have not been kept but the owners estimate total production to date at about \$7,000.

Development: Shallow cuts and caved shafts explore the vein on the ridge top over a length of about 300 feet. The Anderson tunnel is reported to be 140 feet to the vein and have a 50-foot raise and 60 foot winse on the vein. A lower 240' tunnel about 150 feet below Anderson tunnel enters from the east end of the Free Gold claim. It encounters the vein about 150' east of the Anderson workings, but has no drifting. The upper (3,200 level) tunnel and most recent workings has about 140 feet of cross-cut and 70 feet of raise (see sketch). The caved shafts on top of the ridge reportedly developed the vein to about 60 feet of depth.

Geology: The country rock is highly altered and recrystallized sedimentary rock of the Applegate group. The bulk of the rock is a dense green mafic-appearing metamorphic that may have been altered from a gray-wacke or basic lava. Argillite is exposed in the trench and shallow

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inclined shaft near the northwest edge of the workings area. Strike of the argillite is about N. 30° E. and the dip is near vertical. A manganese oxide-stained quartzite is exposed down the ridge about 100 yards south from the upper workings.

The values worked occur in a pinched and faulted quartz vein which has a general strike of about N. 30° W. and dips 35 to 50° NE. Where exposed the vein varies in thickness from a barely perceptible trace up to 3 feet. Some wider lenses have reportedly been mined but the average width is probably about 12 inches. Visible minerals in the vein include galena, pyrite, chalcopyrite and free gold. A few small pocket-type enrichments which contained several ounces have reportedly been found. Values in the vein are spotty. A sample taken in the No. 1 raise of the 3,200 level by Olen Barlow (XG-50) assayed 6.80 oz./ton gold and 4.10 oz./ton silver.

Other samples submitted by the owners include WG-32, P-27299 described as iron-stained vein quartz with some galena assayed 0.54 oz. gold, 0.60 oz. silver; sample WG-77, P-27459 described as fractured iron-stained vein quartz with pyrite and some chalcopyrite assayed 0.27 oz. gold, 0.70 oz. silver, and 0.20% copper.

Milling: The ore is ground in a concrete arrastra situated in the creek by their cabins about ½ mile south of the workings. The arrastra is powered by a small gasoline engine. Ore is amalgamated in the arrastra and caught on a plate and riffles below the plate.

Visited: 3/19/63.

Report by: Len Ramp, 3/20/63.

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CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... MO13841
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 80 12
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... DOUBLE JACK

MINING DISTRICT/AREA/SUBDIST. ASHLAND

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

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

COUNTY..... JACKSON

QUAD SCALE QUAD NO OR NAME
 1: 62500 TALENT

LATITUDE LONGITUDE
 42-10-54N 122-47-26W

UTM NORTHING UTM EASTING UTM ZONE NO
 4669750. 517300. +10

TWP..... 39S
 RANGE..... 01W
 SECTION.. 14
 MERIDIAN. W.M.

ALTITUDE.. 3300*

POSITION FROM NEAREST PROMINENT LOCALITY: NW1/4, AT 3300 FEET ELEVATION.

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU AG CU PB

OCURRENCE(S) OR POTENTIAL PRODUCTS:
POTENTIAL.....
OCURRENCE..... CU PB

ORE MATERIALS (MINERALS, ROCKS, ETC.):
FREE GOLD, GALENA, PYRITE, CHALCOPYRITE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4
YEAR OF DISCOVERY..... 1870
BY WHOM..... E.K. ANDERSON
PRESENT/LAST OWNER..... DRIN BARLOW, PHOENIX OREGON (1971)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
FISSURE VEIN
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
MAX WIDTH..... 3 FT
STRIKE OF DREBODY.... N30W
DIP OF DREBODY..... 35-50NE

DESCRIPTION OF WORKINGS
UNDERGROUND

COMMENTS (DESCRIP. OF WORKINGS):
500 FT OF WORKINGS

PRODUCTION
YES

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

PRODUCTION COMMENTS.... TOTAL PRODUCTION IS ESTIMATED TO BE ABOUT \$7000.

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... HORNFELSED MAFIC VOLCANICS, METASEDIMENTS

AGE OF ASSOC. IGNEOUS ROCKS.. LJUR-CRET
IGNEOUS ROCK TYPES..... GRANODIORITE, QUARTZ DIORITE

GEOLOGICAL DESCRIPTIVE NOTES. COUNTRY ROCKS ARE METASEDIMENTS OF APPLGATE GROUP.

LOCAL GEOLOGY

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
2033 First Street Baker, Oregon 1069 State Office Building Portland 1, Oregon 239 S.E. "H" Street Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein fully and submit this blank filled out along with the sample.

Your name in full Len Ramp (DOGAMI)

Street or P.O. Box P.O. Box 417 City & State Grants Pass, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 3/21/63

Name (or names) of owners of the property O. H. & O. A. Barlow

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from Double Jack

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Jackson Mining District Ashland

Township 39 S Range 1 W Section 14 Quarter section NW

How far from passable road? 200 feet Name of road Mine road

Channel (length) Grab Assay for Description

Sample no. 1 x Au, Ag selected from No. 1 raise 3,200 level

Sample no. 2 _____
(Samples for assay should be at least 1 pound in weight)

(Signed) LR

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Sample Description Highly fractured iron-stained vein quartz with limonite and secondary yellow lead (?) mineral.

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				
P-28236 XG-50	6.80	\$238.00	4.10	\$3.71	---	---	---	---

Report issued _____ Card filed _____ Report mailed 4-4-63 Called for _____

*240
1680
copy sent to Len + Barlowe 4/4/63 415 Pine Phoenix, Ore.*

DOUBLE JACK

N ↑

Sketch by Barlow
applying for OME loan Feb 1967
JR

SEC. 11

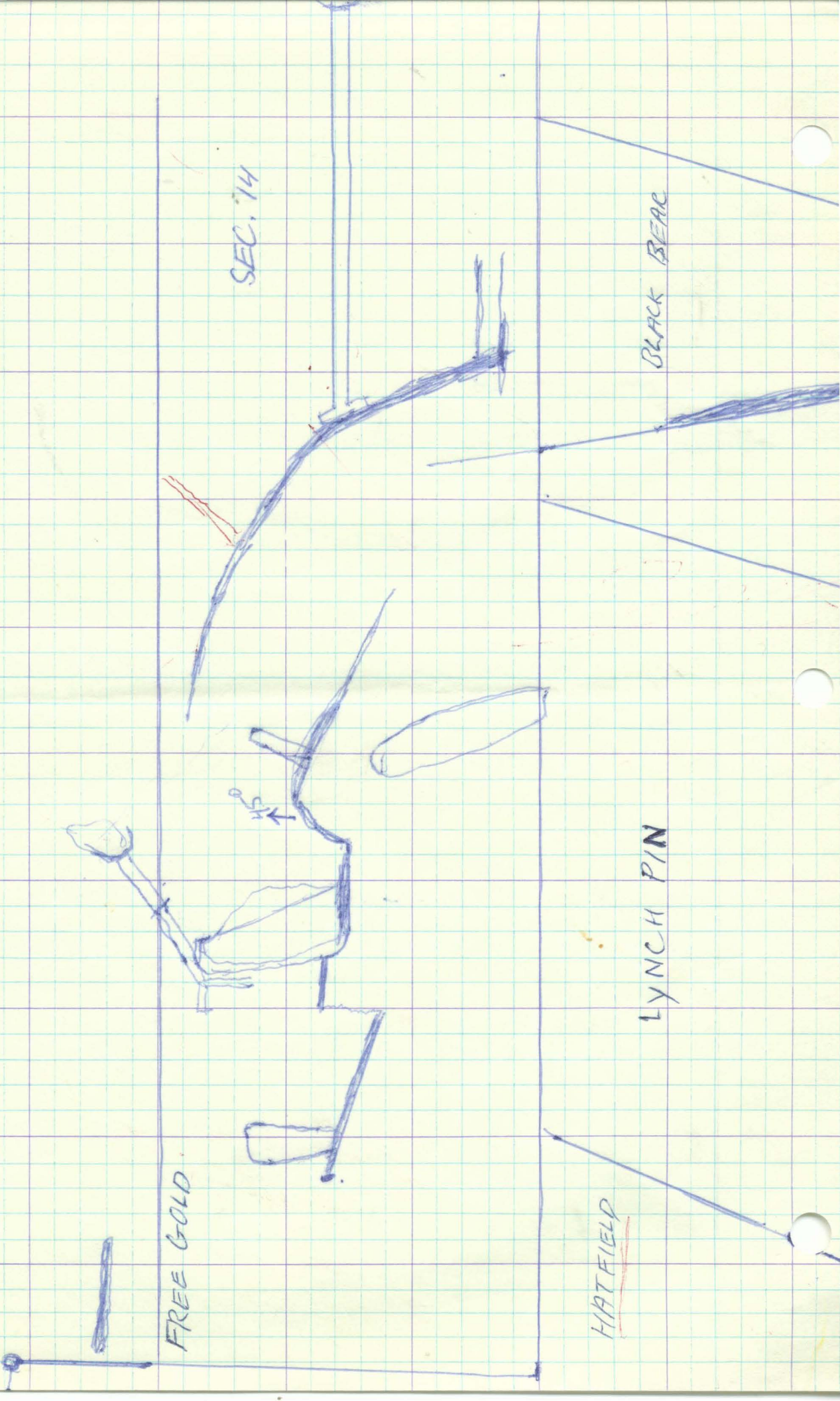
FREE GOLD

SEC. 14

HATFIELD

LYNCH PIN

BLACK BEAR



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
HEALTH AND SAFETY ACTIVITY



HEALTH AND SAFETY REPORT

HEALTH AND SAFETY INSPECTION
DOUBLE JACK MINE
BARLOW BROTHERS, PARTNERSHIP
TALENT, JACKSON COUNTY, OREGON

July 8, 1971

By

W. E. Bales
Mining Engineer

METAL AND NONMETAL MINE HEALTH AND SAFETY
WESTERN DISTRICT

Allen D. Look
District Manager

Originating Office
7009 Federal Office Building
Seattle, Washington 98104
L. H. McGuire
Subdistrict Manager

INTRODUCTION

This report was based on an inspection made pursuant to Section 4 of the Federal Metal and Nonmetallic Mine Safety Act (80 Stat. 772).

Health and safety standards referenced in the report were promulgated in the Federal Register, Vol. 34, No. 145, Thursday, July 31, 1969; Vol. 35, No. 38, Wednesday, February 25, 1970; and Vol. 35, No. 237, Tuesday, December 8, 1970. Notices are issued for observed violations of mandatory standards only. Elsewhere in the report, mandatory standards are indicated by (M) after the reference number.

GENERAL INFORMATION

The Double Jack Mine, an open pit gold mine, was located 6 miles south of the town of Talent, Oregon. Access to the Double Jack Mine from Talent, Oregon was by following the Wagner Creek Road 5 miles south, thence west 3/4 mile up Arrasta Creek to the cabins and mill site. Mine workings were located on the ridge one mile above the mill site at an elevation of 3,300 feet above sea level.

The Double Jack Mine was owned and operated by the Barlow Brothers partnership. The work schedule was one eight hour shift per day, five days per week.

The original gold quartz was discovered by the Barlow brother's grandfather in 1879. The mine has been in the Barlow family ever since.

The Barlow brothers partnership mine was located on three unpatented claims. The claims consist of the Free Gold, and Black Bear which have been in the Barlow family since 1879 plus the Double Jack claim purchased in 1961. Over the years there has been a nearly continuous production of free gold.

The gold bearing veins which strike NE-SW dipping 45° SE have been mined through four shafts having depths of 30, 80, 100 and 120 feet. The 80, 100, and 120-foot shafts are caved and filled to near the surface level. The 30-foot shaft is partially caved and flooded to near the surface level with a ladder providing an escapement. Recent open pit mining on the Double Jack claim has exposed over 80 feet of gold bearing veins.

Gold ore was obtained by drilling and blasting with the hand picked ore being trucked to the mill site where an arrastra mill ground the ore freeing the gold. Free gold was then obtained by hand panning the crushed ore.

The inspection party consisted of Olen H. Barlow, partner and the

following Bureau of Mines employees: W. E. Bales, mining engineer; H. R. Holloman, trainee; W. M. Meyers, trainee; J. G. Schlagel, trainee.

At the mine site there were no ground control problems although the operators were cautioned about possible high banks being developed later in the open pit.

The only possible fire danger was at the air compressor where the operator was notified to provide suitable firefighting equipment.

Explosives were ordered as needed and were not stored on the property.

The requirement for wet drilling in open pits was discussed with the operators.

Usually only one person was working in the mine area. Hard hats were worn and first-aid equipment was kept in the hauling truck.

In case of injury, assistance could be obtained in Talent, Oregon 6 miles distant, with hospital care available in Ashland, Oregon, 11 miles distant.

The Barlow family mine has never had a major accident during the past 92 years.

NOTICES ISSUED

Fire prevention and control

55.4-22, Notice No. 1 Firefighting equipment was not provided in the area of the air compressor at the open pit workings. This violation shall be totally abated by September 8, 1971.

ACKNOWLEDGMENT

The cooperation of all persons contacted during this inspection was greatly appreciated.

/s/ W. E. Bales

W. E. Bales
Mining Engineer