

NAME: Yankey Boy Mine Quartzburg District Grant County

OWNERS: Burton Miller, Prairie City, and J.E. Lewis and Ernest Wilson.

LOCATION: At an elevation of 4,444 ft, in Sec. 36, T 11 S, R 33 E, 600 yards up the trail on the E side of Dixie Creek.

AREA: 24 2 unpatented lode claims and mill site.

HISTORY: Discovered 40 years ago. Recent operation started in August 1937.

DEVELOPMENT: 3 levels on different veins. 6 veins in all. The lower level consists of 345 ft. of cross cut; 195 ft. in 2 drifts in second level.  
A. 45 ft. cross cut, 125 ft. drift.  
B. 90 ft. cross cut, 100 ft. drift.  
Third level: 125 ft. cross cut, drift caved.  
Fourth level: 45 ft. cross cut, drift caved.  
Only the tunnels on the second level were visited and mapped.

EQUIPMENT: Mill consists of the following:  
Chevrolet car engine.  
3 ft. diameter Chili type ball mill.  
4 x 4 ft. amalgamation plate.  
50 mesh screen.  
Tailings to settling tub and over corduroy and burlap.  
25-ton bin.  
Mill has a 4 to 5 ton capacity. Water is obtained from damming the lower tunnel and is sufficient to run the mill from 5 to 7 hours daily or from 8 to 9 hours every other day. Mill is located at lower tunnel level and the ore from the second level is chuted down 200 ft. in a 10-inch hydraulic pipe.

MISCELLANEOUS: Timber abundant. Road to within  $\frac{1}{2}$  mile. Water very scarce.

GEOLOGY: The vein system runs approximately north and south, see accompanying map, and dips 75 degrees to the east. It varies in width from 1 to 6 inches and the stoping width is very narrow, lying in a zone of broken diorite and argillite 2 to 4 ft. wide. The walls are well defined in nearly all cases and stand up fairly well. The ore is mostly pyritic with a small amount of chalcopyrite and considerable manganese stain. The mine is in the oxidized zone with large amounts of limonite and hematite, but sulphides also appear prominently.

ECONOMICS: The ore runs from \$20.00 to \$30.00 a ton in the oxidized zone and high grade assaying as much as \$98.00 or more is shipped. The lower tunnel has a vein 4 inches wide of \$48.00 ore. The ore being worked at present (4 to 8 inches wide) assays from \$100.00 to \$180.00 according to Mr. Miller. This high grade ore pans some free gold.

INFORMANT: Burton Miller. *via Miller*

DATED: October 14, 1938.

*Miller*

Yankee Boy Mine ✓

Gold

NAME OLD NAMES PRINCIPAL ORE MINOR MINERALS

T11S R33E Sec. 36  
T R S

PUBLISHED REFERENCES

Ore. Metal Mines handbook 14B:127  
Gilluly, Reed & Park 35:96

..... Grant..... COUNTY  
..... Quartzburg..... AREA  
..... 4400..... ELEVATION  
..... ROAD OR HIGHWAY  
..... DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) .... Mrs. Ester Berri..... Address ..... John Day, Ore.....  
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.....  
.....

OPERATOR .....

Name of claims	Area	Pat.	Unpat.
Yankee Boy			x
Dunn			x
Bonanza			x
Duchess of Prairies			x

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY

Owner: Mrs. Ester Berri, John Day, Oregon.

Lessees: Stevens Brothers, of Prairie City, Oregon.

Location: At an elevation of 4400 feet, 600 yards up the trail on the east side of Dixie Creek in sec.36, T.11 S., R.33 E.

Area: Four unpatented claims known as the Yankee Boy, Dunn, Bonanza, and Duchess of Prairies.

History: Discovered 40 years ago. Recent operations by Miller, Lewis and Wilson, lessees, started in August, 1937. The property is idle at present. It is planned to start work in 1941.

Development: Three levels on different veins. Six veins in all. The lowest level consists of 345 feet of crosscut; 195 feet in 2 drifts form the second level.

Equipment: The mill, which has a daily capacity of 4-5 tons, consists of the following: Chevrolet car engine, 3-foot diameter ball mill, 25-ton bin, 4x4 amalgamation plate, 50-mesh screen, tailings over corduroy and burlap to settling tub. Water is obtained by damming the lower tunnel and is sufficient to run the mill from 5 to 7 hours daily. Mill is located at lower tunnel level and the ore from the second level is passed down through 200 feet of 10-inch hydraulic pipe.

Geology: The vein system strikes approximately north and south, and dips 75° E. Veins vary in width from 1 to 6 inches and lie in a zone of broken diorite and argillite 2 to 4 feet wide. Stopping width is narrow. The present openings are in the oxidized zone and large amounts of limonite and hematite are present; sulfides are present, however. Pyrite is the predominant sulfide and is associated with minor amounts of chalcopyrite.

"The country rocks are chiefly altered diorite and andesite. The vein ...followed by the middle tunnel is about a foot wide and consists of a shear zone in the diorite, with stringers of quartz. It strikes N.20° E. and dips 85° E. Two fissures are exposed on the lower level. The one nearest the face, which has been followed for about 50 feet, strikes N.10° E. and dips 75° E. It consists of about 3 inches of gouge, quartz, and calcite, with pyrite, chalcopyrite, sphalerite, and galena. The diorite country rock is highly chloritic along the vein. The other fissure strikes about N.5° E. and dips 80° E. It is about 6 inches wide and contains the same minerals as the first but is much more brecciated."

Informants: Burton Miller, J.E.A. (10/14/38); Steven Brothers, H.K.L. (10/21/40)  
Reference: Gilluly, Reed, and Park 33:96 (quoted)

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