

Gold Hill Mine ✓

Gold

NAME OLD NAMES PRINCIPAL ORE MINOR MINERALS

T12S R43E SW 1/4 Sec. 1  
T R S

PUBLISHED REFERENCES

Ore. Metal Mines Handbook 14A pg-68  
*Bellamy, Reed & Parks 33:54.*

Baker COUNTY  
Lower Burnt River AREA  
4000 ELEVATION  
ROAD OR HIGHWAY  
3 3/4 mi. Durkee DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) James T. Hall

Address Durkee, Ore.

OPERATOR

Name of claims	Area	Pat.	Unpat.
20 lode claims			
1 millsite			
80 acres deeded land			

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY

## GOLD HILL MINE

### DURKEE DISTRICT:

Is 3-1/2 miles southeast from shipping point, Durkee, on the Union Pacific and Old Oregon Trail. Consists of 20 lode claims, mill claim and 80 acres of deeded land. Country rock is quartz and diorite; vein strata bearing northeast and southwest, width 2 feet, and 600 feet of drifting on this vein. Other veins to the south have 3500 feet of tunnels in all. Minerals are gold, assays from \$14 to \$60. Water from tunnels is ample for mining and milling. Idaho Power is on the ground. There is a good camp and some mining machinery. Mine is idle and is in legatee. (Prescott--6/1/37).

Weatherby

LOOKOUT -  
PEDRO MT. R.  
BURNT R. D.BURNT RIVER DEPOSITS

Gold is found along Burnt river from Gold Hill to Huntington and much of this distance was placer mined in early days. A two and a half cubic foot dredge was built and operated for a time some years ago by the Pomeroy Dredging Company of Portland. It has been idle for several years. A standard dredge of larger capacity operated with electric power might possibly have been a success.

The quartz prospects on the north side of the river are the Gold Hill mine and various prospects on Chicken and Sisley creeks. Owing to a combination of circumstances none but the Gold Hill property was visited.

*Gold Hill Mine.*—The mine is situated about 5 miles southeast of Durkee on the east slope of Gold Hill. The immediate vicinity represents a small stock of granodiorite intruded into limestone and schist.

The veins upon this property are found both in granodiorite and schist. They are fissure veins, although when cutting schist considerable replacement has occurred. The several veins strike from east-west to 20° southeast and vary from 2 to 10 feet in width. Several veins have been cut by a long crosscut, but the examination of much of the development was prevented by bad air. High values are reported in some of the veins, the higher values usually in the smaller veins.

There is a 10-stamp mill upon the property in which some ore has been treated. Some work was done here in 1914 by Mr. Al Geiser of Baker in opening up the Spring Gulch, one of the smaller veins, which is nearest to the portal of the tunnel.

REPORT ON THE GOLD HILL MINE

BY

D.W.C. NELSON

*Mining Engineer*  
E.E.: *Civil Engineer*

Baker, Oregon February 17th, 1925.

To the Directors of the Durkee Gold Mines Company:

At your request I have completed an examination of your holdings on Gold Hill, Oregon. Near Durkee, and have made Mine Prints of the claims and openings on the property and also a Map showing the Plan of the Tunnel and a Profile of the Tunnel and ledges cut in the tunnel. The first map also shows the location of the buildings on the property and of the Homestead or Deeded land 102.7 acres.

P R O P E R T Y.

The Durkee Gold Mines Company property consists of twenty one claims by purchase and three claims by recent location. 102.7 Acres of Deeded land upon which some of the buildings stand. There is a quartz mill building nearly completed, ore crusher, Feeder, Ball Mill of 100 tons per day capacity and engine

two Vanners that have their Foundations built but they have not yet been set up. The Flates and other amalgamation device has not yet been bought, I understand from the Secretary of the Company that all this machinery has been paid for.

There is a good two story managers residence; a Boarding House of ample size for this mine and a good Dunk-house; Blacksmith shop equiped and an engine house; where the engine for a Fan was placed, this engine has been moved into the mine directly under the upraise ventilation shaft.

There is another small dwelling and an assay office on the

and for mining purposes can be had from the mount ains close by Lumber can be had from Baker, by Rail or by Truck. The road being the Old Oregon Trail Highway.

#### F O R M A T I O N .

The formation of the Gold Hill is Grano-Diorite; Metamorphosed Slates; Limes; Porphyry; Diorite and Quartz-Diorite with dikes of Basalt running through the mountain and cutting the formation, and the veins. The main tunnel is largely in Hornblende Granite. The ledge in the Spring Gulch claim in what is known as the South drift is a contact vein between Grano-Diorite and Lime Shale. The Spring Gulch vein is also a contact vein as is the Juniper vein. The Juniper Vein is between Lime and Slate. These veins run Northeast and Southwest while the ledges in the main Tunnel all run Northwest and Southeast except the Spring Gulch Vein that is also cut in the main tunnel.

#### Q U A R T Z L E D G E S .

The Weatherby Vein, the largest to crop on the surface is still ahead of the face of the main tunnel some four or five hundred feet according to the dip which is from the face of the tunnel, is a strong well defined vein and in a Porphyry Dike that runs from south East to Northwest and cuts the formation. In so far as I could tell from an examination on the surface I believe this vein to be 40 feet in width, some engineers before me have said it was 205 feet thick but that to my mind is but speculative and only means that the Porphyry dike is that wide this dike might be proven to be a steam shovel proposition and might though of its grade be worth working in that way. This vein prospects in the pan in free gold but on account of the cuts all being filled with snow I could not get any samples for assaying and did not assay any of the ore from this vein. The vein is

The mine. The following is the result of these assays, viz; Samples from the Spring Gulch Vein gave an average value of \$14.66 per ton with an average width of about three feet of ore.

Samples from the Bonanza Vein from the stopes, drifts and across the vein in the bottom of the drift gave an average value of \$15.70 per ton, and the vein was from 12 inches to 24 inches where sampled.

I am not speculating on the amount of ore in sight as there is no ore blocked, that is there is no body of ore that has work done on four or even two sides except in one stope where it is exposed in the drift and in the stope and until there is further work done I could not figure any ore in sight but from what I could see there is no doubt in my mind but what there will be large ore bodies opened up with further development.

Samples from seven places on the hill on the Ausinger Claim on what is known as the rich strike from open cuts and dumps gave an average assay of \$34.14. This vein I believe to be an extension of the Bonanza vein cut in the Main Tunnel from which I got the \$15.70 assay value.

Other samples taken from the same claim from what is called the Porcupine Tunnel gave an average of \$60.00 per ton. This vein where sampled was two three and four feet thick there having been three samples taken.

From one sample on the Judas vein from a small cut on the surface on what is known as the silver vein I got a trace in gold and 32 ounces of silver in an assay.

Samples from the Juniper Ledge a contact vein on the

over the hill and to the right of way of the Old Oregon Trail Highway and to the Railroad that parallels the Highway. Near the Highway I found the vein to be at six feet deep near three feet thick and seemingly growing wider as they went down. These two claims were taken up by the Directors and surveyed by me. Another claim was taken on the side of one of these claims on the hill. This will give the company a good tunnel site later on and on ore all the way into the property higher up the mountain. and being on the Highway leading to Baker is in my opinion a great asset to the company.

#### R E C O M M E N D A T I O N S.

The following work is recommended by me and to be done in the order named, viz,;

1st. Drive the main tunnel on into the Weatherby vein and drift both ways on the vein You will strike the Weatherby where you will have to exceed 1000 feet of backs and if found to be what it promises on the surface will be a vein that would supply the present mill alone.

2d, ~~Extend the drifts and upraises on the Weatherby vein~~  
Raising to the surface for air.

3d, Cleanout the south drift on the Spring Gulch vein and timber up the tunnel and upraise and drive both the upraises and drift to open up more ore. On the floor of one of the stops there is 18 inches of ore left that assayed \$14.00 This vein where it can now be seen is from four to six feet thick. There is also a winze in the north drift on the Spring Gulch vein that assays from four to eighty dollars in gold. This winze should be cleaned out and sunk to at least 100 feet and drifts run on the bottom to get below the winze in the main tunnel on the same vein and raised upon thus blocking

the bins are again full.

In my examination of this property I was much surprised to find a good grade of ore in so many places and I fully believe this a good property . when worked in the proper manner.

The particular thing to determine first is the man that shall direct the work and also the man that shall govern the man and direct the execution of the work.

This concludes my report.

Respectfully submitted.

*W. C. Nelson Mining Engineer*