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6/36

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HIGHLAND: Rock Creek District.

Development: About 7,000 ft. of work; longest drift 2,000 ft.; deepest work 600 ft. below outcrop.

Relationships: Vein in argillite; strike N. 75° E., dip 85° N. Quartz, pyrite, blende, galena, arsenopyrite, chalcopyrite, tetrahedrite.

Milling & Production: Concentration ration 5:1 to 12:1, average 7:1. Ratio of gold to silver about 1:10. Production estimated at \$300,000. (*Hewitt, 31, 15*)

MAXWELL: Rock Creek District.

Development: 6 tunnels; longest 900 ft; aggregate 5,000 ft.

Relationships: Vein in altered argillite. Strike N. 70° E., dip 70° to 80° SE. Quartz, pyrite, blende, galena, arsenopyrite, siderite, calcite, fuchsite.

Milling & Production: Concentration ratio about 10:1. Production not available. (*Hewitt, 31, 15*)

of Oreg.  
Mag.,  
OREGON

# BODY ORE STRUCK AT HIGHLAND MINE

Diamond Drills Prove  
Body of 2000 Tons  
of \$40 Ore

## SINKING SHAFT TO TAKE OUT RICH ORE

Mill Operating One Shift  
Treats 20 Tons a Day  
Making Remarkable  
High Saving.

The success of diamond drilling in locating ore bodies at the Highland mine on Rock Creek has proven a great aid in planning the development work. A series of holes from the Maxwell adit has disclosed a lens of ore estimated to contain 2000 tons of ore with an average value of \$40 gold per ton.

A shaft has been started in the footwall of the vein to reach the new ore. A crosscut will be driven from the shaft to the ore and stopes opened at once.

The Highland mine was opened about three years ago by Clair D. Schlemmer, as a private venture, and has been continued since. The Highland mines which had been closed for a number of years was reopened, the mill was revamped and rebuilt as a modern flotation plant with a daily capacity of 70 tons.

Ore was worked from the Highland property and later the Maxwell, an adjoining mine, was acquired, and present underground operations are in the Maxwell.

The new shaft is being sunk from the Maxwell adit about 1500 feet from the portal and about 1000 feet vertical below the surface.

The mill in which the ore is being treated is a 70-ton flotation plant and has been treating about 20 tons of ore per day. The average value of the ore or mill heads, have been running from \$40 to \$50 per ton, and a remarkable high saving is being made. With ore running from \$40 to \$50 per ton taking samples have been consistently below \$1.00 per ton, according to Mr. Schlemmer. The concentration is about five tons into one and the concentrates are hauled to Haines where they are loaded on cars for shipping to the smelter at Tacoma.

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Baker

10/29/37

Eastern Ore.  
News  
Baker  
10/29/37

Baker County

Mining & Contract. Review Nov. 2 1937

At the **Highland** mine on **Rock Creek** a series of diamond core drill holes has disclosed an orebody estimated to contain 2,000 tons of \$40 gold ore. **Clair D. Schlemmer** operates the mine where a new shaft is being sunk. There is a 70-ton flotation plant treating about 20 tons per day.

11/1/38 —  
C. D. Schlemmer continues to mill ore running from \$50 to \$60 per ton at the **Highland** mine on **Rock Creek**, northwest of **Baker**. The ore is proving better than indicated by drill holes, both in quality and size of orebodies.—Eastern Oregon News.

4/19/38 —  
The **Highland-Maxwell Gold Mines, Baker**, recently shipped a car of concentrates from **Haines**. **C. D. Schlemmer** is general manager.

5/2-1/38  
Samples of rich ore were recently brought to **Baker** from the **Highland** mine of the **Highland-Maxwell Gold Mines** by **C. D. Schlemmer**, general manager, some reported running 6.5 ounces gold and 240 ounces silver.—Eastern Oregon News.

Claire D. Schlemmer of Baker, Oregon, is preparing to increase production at the Highland-Maxwell gold mines near Baker



to 50 tons of ore daily. The property is equipped with a 100-ton flotation mill. About 25 men are employed with B. T. Isgrig of

Baker, general superintendent. An examination and geologic survey of the mine was recently made by F. E. Calkins, Arizona and California mining engineer, associated with Frank Eichelberger.



## Rock Creek Property Has Been Steady Producer of Gold

Without a let-up, "black mud" from the Rock Creek mining district has been flowing to market out of Haines for the past three years, the product of one of the largest operating mines of the Blue mountain section.

We refer to the bi-weekly car-load shipments of concentrates containing gold and other minerals from Highland mine located about two miles above Eillertson's meadow between Rock Creek and the old Baisley-Elkhorn property on Pine creek. The producing veins cut Maxwell mountain.

Claire D. Schlemmer acquired the Highland property in 1935 and operates the Highland and Maxwell from the Highland level. Going 3600 feet into the mountain, next to Cornucopia the longest crosscut of any local operation, the operator has secured a depth of 1300 feet. Ore is being mined on the Highland vein of the Maxwell property.

The vein has a width of about five feet with values concentrated in a zone about five inches wide against the solid wall. Specimens of the fine ore can be seen in many local displays. Its value is upwards of \$40 carried in galena, pyrite, chalcopyrite, and arsenopyrite. The brecciated zone of the balance of the vein carries some values.

A 100-ton mill at the Highland is running, the mill and mining giving employment to 25 men. Mr. Schlemmer since he took over the property has perfected the milling process for his ore so that he is recovering an extremely high percentage of the values as well as reducing it to a high grade concentrate.

Last fall in mapping development work he employed F. E. Calkins, geologist loaned him by some of the big Idaho mines, and leased drill equipment for exploration and was very satisfied with the prospects following the extensive underground survey.

Highland mine when operated 10 years previous to 1914 produced over a third of a million dollars.

The Mining Journal, September 30, 1938

A crew of 30 men is employed in the mine and mill on the **Highland-Maxwell** property which Claire D. Schlemmer, Baker, Oregon, is operating. About 40 tons of gold-silver ore are treated daily in the 100-ton flotation mill. Donald Henderson Baker is general manager. The new shaft has reached the 100-foot level and is reported to have opened excellent ore.



## Highland Mill Is Being Dismantled

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The mill at the Highland mine on Rock Creek has been dismantled and trucked to the Cougar-Independence mine near Granite, where the machinery will be used in the new mill being built there. Good progress is being made in the construction and the plant should be running by the last of the month.