

worked every year since. During the last 20 years it has been mostly sniping. The present program is a prospecting one, and large-scale operation is not intended for at least another year. The work going on at present is to determine the best method for working the old placers on Norton Point—about 3 or 4 acres.

Equipment: 250 feet of 8-inch pipe, 250 feet of 7-inch pipe, with 3 No. 2 Giants.

Development: The present operation has been developed by 40 test pits and 2 large pits 40 feet by 50 feet in diameter. A 25-foot sluice channel has been dug. Water supply: In a good year such as 1938 the mining season is from March 30 to June 30. The ditch in use is 3 miles in length. All water rights belong to this property. In an average year there is only 2 months or less working time. The best run this spring was 38 miners inches, with 40 inches running over the penstock. One can generally count on a steady 50 inches for one month. If other ditches are used, more water is available. The head is about 60 feet for this ground.

Geology: Elevation 4,750 feet to 4,850 feet. The false bedrock consists of decomposed, transported granite debris highly micaceous. There are intercalated layers from 1 foot to 5 feet thick of yellow, shaly clay, angular slate and schist gravel and more micaceous granite debris. The total thickness of workable placer above this bedrock is not over 8 feet. Hydraulic giants will not cut the ground without preliminary blasting. A dipper shovel will probably be the final solution, but the ground must be tested first. Large boulders up to 2 feet in diameter and lack of adequate grade will also be serious handicaps to be contended with.

Values are scattered throughout the 8 feet, only slightly concentrated on the bedrock. The average is about \$2 per yard and is a rough estimate. Panning showed about \$2.25 per square yard of bedrock. These estimates are very rough, as the test runs had been few. It is more probable that the values will run between 60 cents and \$1.50 per cubic yard.

Informant: C. R. Suksdorf through J. E. A., 38.

FAIRVIEW CLAIMS (Gold)

Baker County—Mormon Basin District

Located recently by Roy and Rollie Chadwell.

Also in Lost Basin. Is 18 miles from shipping point, Durkee. Only location work and a small

amount of development has been done. There is water and timber on claims; also an ore car, track, and light mining tools. There are 200 feet of tunnels.

Informant: Prescott, 37.

GIRAFFE MINING AND MILLING CO. (Gold)

Baker County—Mormon Basin District

A. O. Weatherman, Pres.; J. S. Dane, Secy.; Bridgeport, Oregon. Capitalization \$150,000. (1937 report.)

"This company owns 7 claims on the east slope of Clarks Creek in sec. 31, T. 12 S., R. 42 E., about 1½ miles north of the Humboldt mine. The ore is a narrow mineralized granodiorite porphyry dike in a country which is largely argillite but also has serpentine and dikes of basalt. A considerable body of lime is a short distance to the north of the property and granodiorite to the east.

"On the Giraffe claim No. 1 a drift upon the dike was made from which 200 tons were milled and \$7.50 per ton was recovered on the plates. A recent independent sampling of this drift gave an average of \$4.20 per ton. About 750 feet north of the above drift, on the Giraffe No. 2, a crosscut tunnel cuts the dike at a depth of 85 feet where the values are about the same as above. A crosscut is being driven on this claim to cut the dike at a depth of 300 feet. This crosscut will be about 500 feet long and it is now nearly in."

Ref. Parks & Swartley, 16:99 (quoted)

GOLD COIN PLACER

Baker County—Mormon Basin District

"This property is located about 2 miles southwest of the Gold Ridge, about ½ mile north of the Rye Valley wagon road and 8 miles from Durkee. It is almost at the summit of the ridge that lies between the Rye Valley road and the Gold Ridge mine. It occupies the southern side of the hill and reaches an elevation of about 500 feet above the road.

"The gold is found in gravel beds belonging to the Tertiary Lake Bed formation. The beds are tilted and somewhat faulted. They consist of pebbles of quartz, flint, greenstone, granite, rhyolite, and volcanic tuff. The finer material is usually granular, although some clay is present in places interbedded with the gravels.

"There are many other placers in this vicinity, but for the most part they have been worked in a small way."

Ref. Swartley, 14:229
Parks & Swartley, 16:102 (quoted)

HICE MINE (Gold)

Malheur County—Mormon Basin District

"The Hice tunnel is on the hillside about 2,000 feet south of the Humboldt. There are about 400 feet of workings, consisting of a tunnel about 250 feet long with several short branches.

"The principal country rock is partly albitized diorite, a local variant of the widespread quartz diorite of the district, with some included hornfels and a few thin dikes of albite aplite. A good many thin quartz veins ranging between one-fourth inch and 4 inches in thickness are present; the most prominent strike north and dip east at flat angles. Considerable sericite accompanies these veins, and locally the diorite is silicified and impregnated with sulphides. Ankerite is a prominent constituent of the quartz veins."

No production has been reported from this prospect.

Ref. Gilluly, Reed, & Parks, 33:46 (quoted)

HUMBOLDT MINE (Gold)

Malheur County—Mormon Basin District

Owner: John Kernan estate, Portland, Oregon.
Production \$150,000.

"The Humboldt mine is in the southwestern part of the basin. The mine, which had been idle for 15 years at the time of this survey, was full of water, badly caved, and inaccessible. It was operated for several years prior to 1916 by the Oregon-Idaho Investment Co. In 1909 it was the most productive mine in the district. In 1910 it had a 200-foot vertical shaft, 2,000 feet of tunnels, and a 10-stamp mill. Electric power was brought to the property in 1912, and 20 stamps were dropping in 1914, but in 1916 it was closed down. In 1930 the property was owned by R. L. Gorman. No definite figures could be obtained on the production of the mine, but it is known to have been moderate.

"The mine has been described by Swartley (14:224) as follows:

"Formerly the mine had four levels and was worked by means of a vertical shaft. Recently the shaft has been sunk 100 feet deeper and a cross-

cut driven to the vein, upon which drifting has been started.

"There is a 20-stamp mill upon the property in which recovery is by amalgamation and concentration with Wilfleys and vanners. A considerable percentage of the gold is free milling. The concentrates are shipped to smelters, but it is proposed to install a cyanide plant to treat the tailings.

"The many movements that have taken place in this immediate vicinity have caused the geology to be confusing. The chief country rock is slate with diorite porphyry in the footwall. In the upper levels trachyte is said to form a large part of the hanging wall. This trachyte was probably a feeder to some of the recent acidic lava flows.

"The lode has an east-west strike and a dip of 75 degrees N. in the upper levels but with a steeper dip below. In some places the lode is as much as 40 feet wide, but the actual quartz veins are rarely more than a few feet thick.

"The chief gangue mineral is quartz, and much of it is in a sugary condition due to crushing by later movements. Some calcite is present in the vein. The ore, especially in the upper levels, is free gold, and many fine specimens have been taken from the mine. In the lower levels more sulphides are to be found. They are chiefly arsenopyrite, pyrite, galena, and sphalerite. The galena and sphalerite are said to contain high values in gold.

"The Humboldt lode is situated in a zone of weakness, where fracturing and movement have taken place many times. The first break allowed the injection of the diorite porphyry that is found on the footwall. Then came the fracturing that made the opportunity for the hot ascending silica solutions to deposit their burden of quartz and metallic sulphides. Movements took place during the period of vein formation, as is evidenced by the recementing of broken quartz fragments. Considerable post-mineral movement has taken place, as is shown by the sugary quartz, the gouge, and the actual faulting of the vein in the lode."

Ref. Swartley, 14:224 (quoted)
Gilluly, Reed & Parks, 33:45 (quoted)

INDIANA MINE (Gold)

Baker County—Mormon Basin District

Owners: George Bertrand, Thomas Thompson, Otto Zimmerman, and Frank Klein, all of Baker, Oregon. Each owns $\frac{1}{4}$ undivided interests.

Giraffe

Gold

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

T12S

R42E

Sec. 31

T

R

S

PUBLISHED REFERENCES

Parks & Swartley 16:99
Ore. Metal Mines Handbook 14A pg-77

Baker

COUNTY

Mormon Basin

AREA

ELEVATION

ROAD OR HIGHWAY

about 16 mi. Dixie, Ore.

DISTANCE TO
SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) Giraffe Mining & Mill. Co.

Address

A. C. Weatherman

Bridgeport, Ore.

OPERATOR

Name of claims Area Pat. Unpat.

7 claims

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

DEPARTMENTAL RECORDS on file in

EQUIPMENT AND VESSEL RECORDS

Baker G.P. Baker

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This report must be properly executed and filed with the Corporation Commissioner on or before July 1, 1930, in order to entitle a corporation mining for any of the precious metals, coal, or prospecting or operating for oil, or operating an oil well, to pay a license fee of only \$10. If not so filed, such corporation must pay the same license fees as are required to be paid by other corporations for gain.—Section 6890, Oregon Laws.

Annual Report to the Corporation Department

FOR THE YEAR ENDING JUNE 30, 1930 1937

Of Giraffe Mining & Milling Co. (Give legal name in full)

a corporation organized and existing under and pursuant to the laws of the State of Oregon.

The location of its principal office is at No. near mine near Bridgeport Street, in the city of _____, in the state of Oregon.

The names and addresses of principal officers, with the postoffice address of each, are as follows:

NAMES	OFFICE	BUSINESS ADDRESS
<u>A. O. Weatherman</u>	President	<u>Bridgeport</u>
<u>J. S. Dane</u>	Secretary	<u>do</u>
<u>Geo. L. Cartwright</u>	Treasurer	<u>Weiser, Idaho</u>

The date of the annual election of officers is 1st Tuesday in June

The date of the annual election of directors is do

	Common With Par Value	Common No Par Value	Preferred
Amount of authorized capital stock	\$ 150,000.00	Shares	\$
Number of shares of authorized capital stock	150,000		
Par value of each share	\$ 1.00	xxxxxx	\$
Amount of capital stock subscribed	\$ 84,868	Shares	\$
Amount of capital stock issued	\$ 84,868	Shares	\$
Amount of capital stock paid up	\$ 84,868	Shares	\$
Price at which no par value stock issued	xxxxxx	\$	xxxxxx

State amount of capital, represented by stock of no par value, with which the corporation began business \$

Total amount of its properties in Oregon (name of claims, lodes, or placers) quartz claims 1, 2, 3, 4, 5, 6, and 1 placer for camp

The location of its properties Baker Co. 8 mi. to Bridgeport

The amount of work done thereon and improvements made thereon since the time of filing last report none

The amount of output or products of the mines or wells of such corporation from January 1, ¹⁹³⁶ ~~1929~~ to December 31, ¹⁹³⁶ ~~1929~~, inclusive, none

The value of output or products of the mines or wells of such corporation from January 1, ¹⁹³⁶ ~~1929~~ to December 31, ¹⁹³⁶ ~~1929~~, \$ none

IN WITNESS WHEREOF, I, A. O. Weatherman, President

of said corporation, have signed this report, this

[CORPORATE SEAL]

24th day of June, A. D. 1937

(signed) A. O. Weatherman

STATE OF OREGON,

County of _____ } ss.

I, _____, being first duly sworn, depose and say, upon oath, that I am _____ of the foregoing corporation; that said corporation is not engaged in or transacting any other business except that of locating, prospecting, developing or operating mines for any of the precious metals, coal, or prospecting or operating for oil, or operating an oil well; that the value of the output or products of the mines or wells of said corporation from January 1, 1929, to December 31, 1929, inclusive, did not exceed \$1,000; and that the above and foregoing statement is a full, true and