

6/26

Morton Prospect

Gold and Mercury

NAME OLD NAMES
on divide between Glengarry & French Gulch

PRINCIPAL ORE

MINOR MINERALS

T13S R42E S4 18
T R S

PUBLISHED REFERENCES

Gilluly, Reed & Parks 33:48
Oregon Metal Mines Handbook 14A pg-80

Malheur COUNTY
Morton Basin AREA
about 5400 ELEVATION
1/4 Mi. off Bridgeport-Rye Valley Rd ROAD OR HIGHWAY
15 mi. Dixie DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) Morton Bros.

Address Weiser, Ore.

OPERATOR

Name of claims Area Pat. Unpat.

\$20 acres of deeded land - homestead

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

MORTON CLAIM

Malheur

U.S. Department of Agriculture and National Conservation

U.S. Geological Survey
Bureau of Land Management
Washington, D.C. 20240

1. Carl Morton Property Morman Basin District Malheur County
2. Owners: Carl Morton, W.C. Van Sice, and Cress Jackson, Weiser, Idaho
Lessee: Roy Davidson, Baker, Oregon

3. Location and Area: Patented homestead in Malheur County, consisting of 320 acres as follows: The Southwest one quarter of the Southeast one quarter, and the East one half of the Southwest one quarter, and the Southeast one half of the northeast one quarter, and lots 2 and 3 and 4 of Sec. 18, and the Northwest one quarter of the Northeast one quarter of Sec. 19, all in T. 13 S., R. 42 E. W.M.

This property has an elevation of about 5400 feet, and is located on the road on the divide between Clark's Creek and Morman Basin.

4. History: Located as a homestead which location carries mineral rights. No past production.
5. Development: A few open cuts on surface.
6. Equipment: None.
7. Transportation: On passable road, maybe closed during the winter.
8. Climate, etc.: Climate is similar to top of Dooley Mountain, that is about five feet of snow during the winter. Very little water and no timber is available.
9. Geology: The Morton property lays on the rolling hills on the Morman Basin divide at the head of Clark's Creek.

There are 3 open cuts Northwest of the camp which is in altered rhyolite. One of these, an inclined shaft about 20 feet deep, pans cinnabar. The cinnabar occurs in gouge in a faulted zone which is about 3 1/2 feet wide, and dips 20° to the Southwest.

10. Remarks: Only 1 pit showed any evidence of mercury. Cut samples from this pit assayed traces of mercury. Not enough work has been done to show the merit of the property.

Informant: Roy Davidson
Report by: H.K.L. 5-16-40

U.S. Geological Survey, Bureau of Land Management, Washington, D.C. 20240

Malheur National Forest, Oregon

The property was located by the survey for the Malheur National Forest

in 1882, and was patented to Carl Morton in 1883.

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Reported by N. S. Wagner
October 30, 1944

Name Morton Prospect (Hg and Au), Mormon Basin District, Malheur County

Owner Carl Morton, Weiser, Idaho, Lessee, R. A. Griffith, Huntington, Oregon.

Location T. 13 S., R. 42 E. SW $\frac{1}{4}$, Sec. 18, on a woods road 1/4 mile to the south from the Bridgeport-Rye Valley road, or between Glengarry and French Gulches.

Area 220 acres of wooded land.

History This property was originally worked as a gold mine by the owner, and as a gold prospect it is described in U.S.G.S. Bulletin 846A by Jas. Gilluly. The cinnabar was discovered about 1930 but was never worked until 1943 when Griffith took 15 tons of ore from the discovery pit which is situated several hundred yards from the gold workings described by Gilluly.

This 15 tons was milled in a gold mill situated at the Humboldt Mine. The mill consists of a ball mill, classifier, table and jigs. The gold cinnabar concentrates assayed (CB-181) 1049.7 pounds per ton mercury and 10.4 oz. per ton gold. This concentrate was never weighed but Mr. Griffith estimates that the 15 tons of ore yielded about 200 pounds of concentrates. Less than one-half of this concentrate was retorted in an improvised retort with a recovery of 45 pounds of quicksilver none of which has been sold.

Griffith had planned to buy this property but the inability to secure an issue of gasoline from the Baker County Ration Board together with certain other difficulties in connection with the title, discouraged further activities on his part.

Geology The property was not examined by the writer but the geologic map of Mormon Basin (U.S.G.S. Bulletin 846A, Jas. Gilluly) shows the property to occur in

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Morton Prospect (Hg and Au), Mormon Basin District, Malheur County (Continued)

an area of Pre Tertiary schist, slates and quartzites. Griffith reports that the cinnabar^{is} situated close to, and northeast of, the gabbro shown in the southwest quarter of the section (18) and that the bedrock there is highly fractured.

Informant - R.A. Griffith.

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