

8/15/42.

I plan to spend at least the next week in the office while Hugh is away, and take care of the analytical work. In fact, it would be undesirable to take the State car out for any more trips until the front tires are recapped, inasmuch as they are worn to a state where recapping is necessary.

Sincerely,

Les Richards

Les Richards

8-17-42

Received your wire to Hugh and
have taken care of sending the tires.
They will go out on this evening trip
Les

State Department of Geology and Mineral Industries

Visited by: L. C. Richards
Date of visit: 8-13-42

1069 State Office Building
Portland 1, Oregon

LACKEY CINNABAR PROSPECT (Mercury) Malheur County, Oregon.

OPERATOR: Inactive

OWNERS: Mrs. Allie Lackey, Dr. W. J. Weese, and George Sherard, all of Ontario, Oregon.

AREA: Hugh Lackey, son of the original discoverer, Fred G. Lackey, deceased, states that the property is held as five unpatented full size mining claims which were originally staked in the spring of 1941. However, the following was found on one claim notice at the property: "Lucky Bay No. 2 claim, March 11, 1942, locators - Mrs. Allie Lackey, Dr. W. J. Weese, and George Sherard."

LOCATION: These five claims, as near as could be judged by the writer, lay in the SE $\frac{1}{4}$ of Sec. 22, and the NE $\frac{1}{4}$ of Sec. 27, T.15 S., R.45 E., W.M., approximately one mile S of a point on U.S. Highway 30 which is 3 and 7/10 miles from where the highway crosses the Baker County line, and 11 8/10 miles from the junction of U.S. Highway 30 and the road leading to Weiser.

HISTORY: The following information as to the history of this property was furnished by Hugh Lackey: The original discovery was made in the spring of 1941. During the fall of 1941, a Portland concern optioned the property and did most of the present visible prospecting work. The name of the optioning parties had been forgotten by Hugh Lackey, but he informed me that he would look up his father's records, and send their names. Young Lackey states that these people gave up their option this spring.

TOPOGRAPHY: This property lies on the low rolling hills SW. of the Snake River about 12 miles down stream from Weiser, Idaho. The eleva-

tion of the ridges in this locality is 2700 feet, and the river elevation is 2100 feet. The hills are covered by cheat and bunch grass. There is no water at the property except during the spring of the year when the annual run off occurs. The nearest water is at the Snake River, one mile north.

Development: On the accompanying sketch are marked three locations of surface work. No. 1 is a surface trench 20 feet long with a maximum depth of 6 feet. No. 2 location was not visited by the writer, due to the fact that Hugh Lackey stated no trace of cinnabar had been found in this cut. At location No. 3 was found two surface trenches, each approximately 15 feet long, and five feet deep, and two inclined shafts, one on each side of the top of the ridge and both inclined toward the axis of the ridge. The shafts dipped at approximately 35 degrees. The east one was 30 feet deep, and the west one 25 feet deep.

Geology: The country rock as exposed in locations No. 1 and No. 3 was a hard white colored clay. This is evidently a lake deposit. Also noted was the presence of gypsum in seams upward to three inches in thickness in the clay. The clay beds appeared to dip gently toward the northeast. Hand lense inspection failed to show the presence of cinnabar as examined in pit No. 1. In the incline shaft on the east side of the ridge at location No. 3, cinnabar was noted unevenly distributed through a three foot layer of clay, and the information from Hugh Lackey is that cinnabar was also found in lower layers of clay near the bottom of the shaft. Inasmuch as the shaft was not timbered, and the clay was sloughing in large chunks, the writer did not go to the bottom of the shaft to inspect these lower occurrences. The cinnabar appears to be concentrated along minute fractures and seams in the clay, although

some was noted in minute grains in the clay itself.

Two samples were taken at the property. One across 2½ feet of the best looking material at location No. 1 gave the following result: (CBF 70) Mercury - Trace. The other across three feet in the east shaft of location No. 3 (CBF 71) Mercury 0.5 pounds per ton.

WATER ANALYSIS

ANALYSIS

ANALYSIS

RECEIVED
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
WASHINGTON, D. C.

Flw

Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Report by: N. S. W.
Date: April 17, 1946

Lackey Gravel Plant

Malheur County
Unclassified District

Foreward: The superintendant was not at the plant or available for interview and the following information was obtained from the head machinist, Mr. Butler. As Mr. Butler was not altogether certain of some of the statistical data relative to the operation, this report is somewhat generalized accordingly.

Owner-Operator: Chester Lackey, Ontario
Acting Supt., Mr. Van Noy, Ontario

Location: On west side of highway just north of the city limits and approximately $\frac{1}{2}$ mile from the R.R. of Ontario
^

Area: 30 acres deeded land.

Development & Equipment: Operations have been conducted here for many years and present capacity is estimated to be between 500 and 600 yards bank run per 8 hour day. Excavation from a pit is largely handled by a Bagley line, although two dragline shovels are sometimes used for mining as well stripping. A fairly complete machine shop is maintained to service the equipment which includes a Bulldozer, trucks, trencher, etc., in addition to items already mentioned.

The washing plant is equipped with vibrating screens which produce two grades of sand (plaster and cement) in addition to the usual grades of coarser gravels. Crushed rock is also produced, utilizing oversize gravel.

RECEIVED
APR 23 1946
STATE DEPT OF GEOLOGY
& MINERAL INDS.

Lackey Cornudas Prospect

Mercury

6/56

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

15S 45E Sec 22 + 27
T R S

PUBLISHED REFERENCES

..... Malheur COUNTY

..... AREA

..... 2700 ELEVATION

..... ROAD OR HIGHWAY

..... DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) Mrs. Allie Lackey
..... Dr. W. J. Weise
..... George Sherard
.....

Address Ontario, Oregon
..... " "
..... " "
.....

OPERATOR

Name of claims	Area	Pat.	Unpat.
<u>5</u>			<u>✓</u>

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY

.....
.....

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

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CONCLUSIONS: From a hurried inspection of the property, the following conclusions may be drawn: 1. Cinnabar is definitely present and found at two points at least 2000 feet apart. 2. In regard to the mode of occurrence of the cinnabar, there seems to be a similarity between this prospect and the Idaho Almaden property. 3. A systematic program of exploration might uncover a fairly extensive deposit of low grade mercury ore. 4. Despite the discouraging results of the two samples taken, it is my opinion that this property warrants further exploration.

RECOMMENDATIONS: 1. As Fred G. Lackey, original discoverer who appeared to be the driving force behind the property, is now deceased, the other owners; namely: Mrs. Allie Lackey, Dr. W. J. Weese, and George Sherard, are interested in disposing of the property. Mrs. Lackey and Dr. Weese led me to believe that they desire to contact responsible parties to take over and prospect the property. Both stated that they would be willing to make any reasonable agreement. I believe the property could be purchased for a small cash sum, or taken on a straight 10% royalty.

2. Inasmuch as the prospecting work mentioned above is still open, but is rapidly becoming dangerous to enter, the time element for an interested party to inspect this work is a factor.

3. It is my opinion that this property could be prospected easily, and without much expense by drive sampling with a churn drill.