

6/46

American Almedan
Consolidated Quicksilver
Cram, Inc.

Mother Lode Mine

Mercury

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

14 S. 20 E. 29
T R S

PUBLISHED REFERENCES

U.S.G.S. Bulletin 846A

~~U.S.G.S. Bulletin No. 4~~

Arizona Bull 4

MISCELLANEOUS RECORDS

..... Crook COUNTY

..... Ochocho AREA

..... ELEVATION

25 mi. on hiway 28 from Prineville ROAD OR HIGHWAY

7.5 miles on forest service rd.

32.3 miles to Prineville DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S) Champion Mining Co.

Address

(R.F.C. Took over)

444 PISTON BUCK

(MAY POSSIBLY HAVE LOST IT BY DEFAULT OVER ASSESSMENT WORK 10-1950)

OPERATOR

Name of claims Area Pat. Unpat.

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

MOTHER LOBE MINE

This mine, which has been known as the American Almaden, Quicksilver Consolidated Mining Company, and Crams, Inc., is located about 32 miles from Prineville on the road to Lookout Mountain. It lies in sec. 20, 29, T. 14 S., R. 20 E., and is just below the north face of Lookout Mountain. At the time of the visit, work in progress, under A. J. Champion, included retimbering some of the old workings, exposing surface showings with a bulldozer, tunnel work, and reconditioning the rotary furnace and condensing system. In January 1940 production was at the rate of two flasks a day.

The property has several hundred feet of old workings, much of which was inaccessible, due to caving. There is about 100 feet of new tunnel work, as well as many open cuts. The main tunnels have been driven into basalts and andesites of the Clarno formation. Along faults and fractures in these rocks, ore occurs in veinlets varying in thickness from knife blade to two or more inches. In some cases definite post-mineral movement was observed. Stopes have been developed from the lower tunnel following these small localized ore bodies. Total production has been about 200 flasks.

In the lower tunnel a dense fine-grained black basalt was found which had invaded the more coarsely crystalline Clarno basalts and andesites. In one place small stringers of cinnabar and quartz were observed, penetrating this rock for a short distance.

In this region the Clarno is capped by a series of younger andesitic flows. At present none of the workings has extended high enough to reach the bottom of the series of andesites. Whether these flows form a cap for this deposit is problematical, and could only be determined by development. However, no evidence was found in the quadrangle to indicate that mineralization was later than these overlying andesites.

While high grade ore veins four inches wide have been exposed in the new workings, the tenor of the ore in the old workings is low grade.

(Geology of the Round Mountain Quadrangle, Oregon, by W.D. Wilkinson, published by Oregon State Department of Geology & Mineral Industries)

Motherlode Mercury Mine

RECEIVED
SEP 8 1942

FD-119
(Rev. 12-1-41)

MONTHLY REPORT OF PURCHASES Machinery, Supplies, Maintenance Items and Repairs under Preference Rating Order P-56

STATE DEPT OF GEOLOGY
& MINERAL INDS. Page 1 of 2 pages

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR

W. W. Gilkey

ADDRESS Prineville, Oregon

MINE SERIAL NO. 33-57

PURCHASES MADE IN MONTH OF August, 1942

(INSTRUCTION. - This report is to be filed with the Emergency Coordinator of Mines for your State, on or before the 10th day of the month following the month covered by this report. Group all orders for similar materials which were bought from the same supplier. Make as few separate entries as possible. However, purchases of the same material from different suppliers must be shown separately. In II, III, and IV, enter the authorization number-not to be confused with your mine serial number - which was issued to you by O.P.M., permitting the purchase of the material listed. Retain copies of all these reports in your files.)

I. PURCHASES TO WHICH RATING A-8 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier
Material	Quantity	Supplier
Material	Quantity	Supplier

II. PURCHASES TO WHICH RATING A-3 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.

III. PURCHASES TO WHICH RATING A-1-c HAS BEEN APPLIED DURING MONTH:

Material <u>#4 Copper Wire</u>	Quantity <u>1000'</u>	Supplier <u>B.E. Davis</u>	O.P.M. Authorization No.
Material <u>Handed Thread</u>	Quantity	Supplier <u>B.E. Davis</u>	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

The undersigned hereby certifies to the Office of Production Management, that

- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
- (3) during such period the Mine Operator's inventory of operating supplies and other material has not been greater than the minimum necessary for the efficient operation of his business, and the ratio of inventory (quantity) to current production has not exceeded the ratio of average year-end inventory (quantity) to average production for the years 1938, 1939, and 1940;
- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

(Date)

(Signature of Authorized Official)

(Title)

W. G. Gilkey

Manager

(Section 35 of the Criminal Code, 18 U.S.C. 80, makes it a criminal offense to make a false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.)

(This form may be reproduced; copies may be made large enough to allow necessary space to enter all purchases.)

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR Silkey Bros by W.W. Gilkey mnr
ADDRESS Prineville, Oregon MINE SERIAL NO. 33-57
PURCHASES MADE IN MONTH OF July, 1942

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I. PURCHASES TO WHICH RATING A-8 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier
_____	_____	_____
_____	_____	_____
_____	_____	_____

II. PURCHASES TO WHICH RATING A-3 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

III. PURCHASES TO WHICH RATING A-1-c HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
<u>Sheet metal</u>	<u>2-5x10' Sheet</u>	<u>M.H. Sheet Metal Co</u>	<u>quoto assign July 14, 1942</u>
<u>Carbide</u>	<u>100#</u>	<u>Debaer & Adams Co</u>	<u>"</u>
_____	_____	_____	_____

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

The undersigned hereby certifies to the Office of Production Management, that

- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
- (3) during such period the Mine Operator's inventory of operating supplies and other material has not been greater than the minimum necessary for the efficient operation of his business, and the ratio of inventory (quantity) to current production has not exceeded the ratio of average year-end inventory (quantity) to average production for the years 1938, 1939, and 1940;
- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

Aug 8
(Date)

W. G. Gilbey
(Signature of Authorized Official)

Manager
(Title)

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Motherlode Mercury Mines
Gilkey Bros.

PD-119
(Rev. 12-1-41)

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR W. W. Gilkey

ADDRESS Princeton - Oregon MINE SERIAL NO. 33-57

PURCHASES ~~MADE~~ IN MONTH OF June, 1942
Completed

(INSTRUCTION. - This report is to be filed with the Emergency Coordinator of Mines for your State, on or before the 10th day of the month following the month covered by this report. Group all orders for similar materials which were bought from the same supplier. Make as few separate entries as possible. However, purchases of the same material from different suppliers must be shown separately. In II, III, and IV, enter the authorization number-not to be confused with your mine serial number - which was issued to you by O.P.M., permitting the purchase of the material listed. Retain copies of all these reports in your files.)

I. PURCHASES TO WHICH RATING A-8 HAS BEEN APPLIED DURING MONTH:

Material <u>Leather Disc Coupling</u>	Quantity <u>1</u>	Supplier <u>Washington Machinery & Storage Co</u>
Material <u>1/4" - 5/8" x 5/8" K.S. one end</u>	Quantity <u>2</u>	Supplier <u>" " " "</u>
Material <u>1/2" x 1/2" K.S. other end</u>	Quantity <u>2</u>	Supplier <u>" " " "</u>

II. PURCHASES TO WHICH RATING ^{A-8} ~~A-8~~ HAS BEEN APPLIED DURING MONTH:

Material <u>#100 Whitney Triple Roller Chain</u>	Quantity <u>8'</u>	Supplier <u>O.P.M. Authorization No. 11</u>
Material <u>26T-1-1/4 P Trial R.C. Sprocket</u>	Quantity <u>1</u>	Supplier <u>O.P.M. Authorization No. 11</u>
Material <u>15T-1-1/4 P " " "</u>	Quantity <u>1</u>	Supplier <u>O.P.M. Authorization No. 11</u>

III. PURCHASES TO WHICH RATING A-1-c HAS BEEN APPLIED DURING MONTH:

Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____



MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

The undersigned hereby certifies to the Office of Production Management, that

- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
- (3) during such period the Mine Operator's inventory of operating supplies and other material has not been greater than the minimum necessary for the efficient operation of his business, and the ratio of inventory (quantity) to current production has not exceeded the ratio of average year-end inventory (quantity) to average production for the years 1938, 1939, and 1940;
- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

July 5 - 1942
(Date)

W. W. Gilkey
(Signature of Authorized Official)

Manager
(Title)

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*Motherlode Mercury Mines
Gilkey Bros.*

FD-119
(Rev. 12-1-41)

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR *W. W. Gilkey*
 ADDRESS *Prineville - Oregon* MINE SERIAL NO. *33-57*
 PURCHASES MADE IN MONTH OF *June*, 19*42*
Completed

(INSTRUCTION. - This report is to be filed with the Emergency Coordinator of Mines for your State, on or before the 10th day of the month following the month covered by this report. Group all orders for similar materials which were bought from the same supplier. Make as few separate entries as possible. However, purchases of the same material from different suppliers must be shown separately. In II, III, and IV, enter the authorization number-not to be confused with your mine serial number - which was issued to you by O.P.M., permitting the purchase of the material listed. Retain copies of all these reports in your files.)

a-1-d.

I. PURCHASES TO WHICH RATING ~~A-1-b~~ HAS BEEN APPLIED DURING MONTH:

Material <i>#150 - Atlas Batteries</i>	Quantity <i>2</i>	Supplier <i>Service Equipment Co</i>
Material <i>Ex. #, 6" I beam</i>	Quantity <i>22"</i>	Supplier <i>"</i>
Material <i>Ex. #, 6" channel</i>	Quantity <i>16"</i>	Supplier <i>"</i>
Material <i>5/8 x 1 1/2"</i>	Quantity <i>7"</i>	Supplier <i>"</i>
Material <i>Coal flex copper tubing 3/8</i>	Quantity <i>5"</i>	Supplier <i>"</i>
Material <i>commercial fittings 69 x 3/8</i>		Supplier <i>"</i>
Material <i>wire solder 80/100</i>		Supplier <i>"</i>

II. PURCHASES TO WHICH RATING ~~A-1-b~~ HAS BEEN APPLIED DURING MONTH:

Material <i>3 1/2 HP. DC motor A-1-d.</i>	Quantity <i>2</i>	Supplier <i>"</i>	O.P.M. Authorization No. <i>"</i>
Material <i>starting box</i>	Quantity <i>2</i>	Supplier <i>"</i>	O.P.M. Authorization No. <i>"</i>
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____

III. PURCHASES TO WHICH RATING A-1-c HAS BEEN APPLIED DURING MONTH:

Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____
Material _____	Quantity _____	Supplier _____	O.P.M. Authorization No. _____

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

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- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
- (3) during such period the Mine Operator's inventory of operating supplies and other material has not been greater than the minimum necessary for the efficient operation of his business, and the ratio of inventory (quantity) to current production has not exceeded the ratio of average year-end inventory (quantity) to average production for the years 1938, 1939, and 1940;
- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

July 5
(Date)

W. W. Gilkey
(Signature of Authorized Official)

Manager
(Title)

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MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR

*Motherlock Mercury Mines
Gilkey Bros. By W.W. Gilkey*

ADDRESS *Prineville, Oregon*

MINE SERIAL NO. *33-57*

PURCHASES MADE IN MONTH OF *May*, 19*42*.

(INSTRUCTION. - This report is to be filed with the Emergency Coordinator of Mines for your State, on or before the 10th day of the month following the month covered by this report. Group all orders for similar materials which were bought from the same supplier. Make as few separate entries as possible. However, purchases of the same material from different suppliers must be shown separately. In II, III, and IV, enter the authorization number-not to be confused with your mine serial number - which was issued to you by O.P.M., permitting the purchase of the material listed. Retain copies of all these reports in your files.)

I. PURCHASES TO WHICH RATING A-8 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier
_____	_____	_____
_____	_____	_____
_____	_____	_____

II. PURCHASES TO WHICH RATING A-3 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

III. PURCHASES TO WHICH RATING A-1-c HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

*No Completed Purchases made in This month.
W.W.G.*

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

The undersigned hereby certifies to the Office of Production Management, that

- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
- (3) during such period the Mine Operator's inventory of operating supplies and other material has not been greater than the minimum necessary for the efficient operation of his business, and the ratio of inventory (quantity) to current production has not exceeded the ratio of average year-end inventory (quantity) to average production for the years 1938, 1939, and 1940;
- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

(Date)

W. W. Gilbey
(Signature of Authorized Official)

Manager
(Title)

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MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR Motherlode Mercury Mines Gilbey Bros. By W.W. Gilbey mgr
ADDRESS Prineville, Oregon MINE SERIAL NO. 33-57
PURCHASES MADE IN MONTH OF April, 1942

(INSTRUCTION. - This report is to be filed with the Emergency Coordinator of Mines for your State, on or before the 10th day of the month following the month covered by this report. Group all orders for similar materials which were bought from the same supplier. Make as few separate entries as possible. However, purchases of the same material from different suppliers must be shown separately. In II, III, and IV, enter the authorization number-not to be confused with your mine serial number - which was issued to you by O.P.M., permitting the purchase of the material listed. Retain copies of all these reports in your files.)

I. PURCHASES TO WHICH RATING A-8 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier
_____	_____	_____
_____	_____	_____
_____	_____	_____

II. PURCHASES TO WHICH RATING A-3 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

III. PURCHASES TO WHICH RATING A-1-^J HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
<u>Boide Diesel Engine (75 HP)</u>	<u>1</u>	<u>Service Equipment Co</u>	<u>By W.W.</u>
_____	_____	<u>Seattle Wash</u>	<u>Apr 10-1942</u>
_____	_____	_____	_____

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

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- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
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- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

April 9-1942
(Date)

W. W. Gilbey
(Signature of Authorized Official)

Manager
(Title)

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(Rev. 12-1-41

MONTHLY REPORT OF PURCHASES

Page 1 of 2 Pages

Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR Motherlode Mercury Mines--
Gilkey Bros. ADDRESS Prineville, Oregon MINE SERIAL NO. 33-57
PURCHASES MADE IN MONTH OF November, 1942.

No purchases made.

RECEIVED
DEC 10 1942
STATE DEPT OF GEOLOGY
& MINERAL INDS.

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

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- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
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- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

November 8, 1942
(Date)

Lillian Hilkey
(Signature of Authorized Official)

Secretary
(Title)

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33-57

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(Rev. 12-1-41) U.S. DEPT OF GEOLOGY
& MINERAL INDS.

MONTHLY REPORT OF PURCHASES

Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR Motherlode Mercury Mines

Gilkey Bros.

ADDRESS Prineville, Oregon

MINE SERIAL NO.

33057

PURCHASES MADE IN MONTH OF September, 1942.

(INSTRUCTION. - This report is to be filed with the Emergency Coordinator of Mines for your State, on or before the 10th day of the month following the month covered by this report. Group all orders for similar materials which were bought from the same supplier. Make as few separate entries as possible. However, purchases of the same material from different suppliers must be shown separately. In II, III, and IV, enter the authorization number-not to be confused with your mine serial number - which was issued to you by O.P.M., permitting the purchase of the material listed. Retain copies of all these reports in your files.)

I. PURCHASES TO WHICH RATING A-8 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier
Material	Quantity	Supplier
Material	Quantity	Supplier

II. PURCHASES TO WHICH RATING A-3 HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.

III. PURCHASES TO WHICH RATING A-1-c HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
Rheostat	1	B. E. Davis	O.P.M. Authorization No.
4" Black nipple	1	Mach. Co.	O.P.M. Authorization No.
2" x 1/2" Black tee	1	" "	O.P.M. Authorization No.

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.
Material	Quantity	Supplier	O.P.M. Authorization No.

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

The undersigned hereby certifies to the Office of Production Management, that

- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
- (3) during such period the Mine Operator's inventory of operating supplies and other material has not been greater than the minimum necessary for the efficient operation of his business, and the ratio of inventory (quantity) to current production has not exceeded the ratio of average year-end inventory (quantity) to average production for the years 1938, 1939, and 1940;
- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

October 8, 1942
(Date)

W. Gilkey
(Signature of Authorized Official)

Manager
(Title)

(Section 35 of the Criminal Code, 18 U.S.C. 80, makes it a criminal offense to make a false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.)

(This form may be reproduced; copies may be made large enough to allow necessary space to enter all purchases.)

MONTHLY REPORT OF PURCHASES

Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

NAME OF MINE OPERATOR OR AUTHORIZED AGENT FOR SUCH OPERATOR Motherlode Mercury Mines-Gilkey Bros.

ADDRESS Prineville, Oregon MINE SERIAL NO. 33-57

PURCHASES MADE IN MONTH OF October, 1942

I. PURCHASES TO WHICH RATING A-8 HAS BEEN APPLIED DURING MONTH:

II. PURCHASES TO WHICH RATING A-3 HAS BEEN APPLIED DURING MONTH:

III. PURCHASES TO WHICH RATING A-1-c HAS BEEN APPLIED DURING MONTH:

Material	<u>Rheostat</u>	Quantity	<u>1</u>	Supplier	<u>Northwestern Agencies</u>
	<u>Condenser</u>		<u>1</u>		<u>Central Service Station</u>
	<u>Fuses</u>		<u>1 Box</u>	"	" "
	<u>Points</u>		<u>1 Set</u>	"	" "

IV. PURCHASES TO WHICH RATING A-1-a HAS BEEN APPLIED DURING MONTH:

Material	<u>3/4" - 6x19 Wire</u>	Quantity	<u>12'</u>	Supplier	<u>Ropes, Inc.</u>
	<u>Rope</u>				
	<u>3/4" 8x19 Wire Rope</u>		<u>17'</u>	"	"
	<u>5/8" 6x19 " "</u>		<u>13'</u>	"	"
	<u>5/8" 6x19 " "</u>		<u>15'</u>	"	"
	<u>Alimite Fittings</u>		<u>18</u>		<u>Western Auto Supply</u>
	<u>6 A 7.0 MD Sheave</u>		<u>1</u>		<u>Gates Rubber Co.</u>
	<u>6 A 11.0 MD Sheave</u>		<u>1</u>	"	" "
	<u>1 3/16" E. Bushing</u>		<u>1</u>	"	" "
	<u>2" E. Bushing</u>		<u>1</u>	"	" "
	<u>Dual Truck Chains</u>		<u>1 Pr.</u>		<u>Western Auto Supply</u>

MONTHLY REPORT OF PURCHASES
Machinery, Supplies, Maintenance Items and Repairs under
Preference Rating Order P-56

CERTIFICATION

The undersigned hereby certifies to the Office of Production Management, that

- (1) he executed the foregoing statement on behalf of and by authority of the above-named Mine Operator;
- (2) the above-named Mine Operator has, during the period covered by this report, complied with all the provisions of Preference Rating Order P-56 and has applied Ratings only in accordance therewith;
- (3) during such period the Mine Operator's inventory of operating supplies and other material has not been greater than the minimum necessary for the efficient operation of his business, and the ratio of inventory (quantity) to current production has not exceeded the ratio of average year-end inventory (quantity) to average production for the years 1938, 1939, and 1940;
- (4) the facts stated herein are, to the best of his knowledge and belief, true and correct.

November 8, 1942

(Date)

P. M. Gilkey
(Signature of Authorized Official)

Secretary

(Title)

(Section 35 of the Criminal Code, 18 U.S.C. 80, makes it a criminal offense to make a false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.)

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Information required from mine operators by Administrator
of Mine Priorities:

1. Name of Company and Main Office Address. *Gilkey Brothers (a partnership)*
2. Name of Mine, Pit, Quarry, or Plant. *Mother lode Mercury Mine*
3. P.O. Address of above. *Princeton Oregon*
4. Materials produced. *Small silver*
5. Daily production expressed in tonnage
 - (a) Mine within 30 days will mine *800 tons of ore per day*
and produce about 10-15 lbs of
 - (b) Plant _____ *if production is desired*
Equipment can be obtained
6. Number of men employed.
 - (a) In Mine, Pit, or Quarry 20 men within 30 days
(both mine and plant)
 - (b) In plant for Processing _____ *3 men now*
7. List of defense contracts on which your material is being supplied and percentage of the current output consigned to defense orders. *get ready for equipment*
 - (a) _____ %
 - (b) _____ %
 - (c) _____ %
 - (d) _____ %
 - (e) _____ %

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

MOTHER LODE MINE

Creek County, Oregon

Location: The Mother Lode Mine is in the SW $\frac{1}{4}$ of sec. 20 and the NW $\frac{1}{4}$ of sec. 29, T. 14 S., R. 20 E., 32 miles by road east of Prineville. The principal workings are scattered about the east bank of Canyon Creek near its head on the north slope of Lookout Mountain at an elevation of about 6,000 feet.

Production: Estimates, based largely on reports by various individuals, range between 300 and 600 flasks. The former figure is probably more nearly correct.

Owners: Frank Reid, Roger Colliard, Earl Zimmerman and Kieth Parkinson.

Lessee: Werdenhoff Mining Co., 1005 $\frac{1}{2}$ South 11th, Tacoma, Washington.

History and Development: Development of the Mother Lode Mine as a gold and copper prospect was begun by H. S. Cram and associates in 1899. In 1900 quicksilver was discovered and in July 1901 the American Almaden Quicksilver and Gold Mining Co. was organized to operate the mine. A small Scott furnace was erected and production was first recorded in 1906. Since that time intermittent production has been made by a number of individuals and corporate groups who rarely continued productive operations for more than two or three years. Following is a list of known operators and the years in which production was recorded by the U. S. Bureau of Mines. The production figures held by the Bureau of Mines have not yet been released pending authorization by the current owners, but close estimates for some years based on data gathered by the author are included.

American Almaden Quicksilver and Gold Mining Co.	1906.....	3 flasks
" " "	1908.....	35 flasks
Central Oregon Mining Co.....	1915.....	3
Pacific Quicksilver Co.....	1927.....	27
Consolidated Quicksilver Co.....	1928.....	15
" " "	1929.....	25

Senter Construction Co.....	1930	
Crams Inc.....	1932	
" "	1935	
" "	1936	
Champion Mining Co.....	1939.....	35 flasks
" " " ".....	1940.....	52
Gilkey Bros.....	1942	
" "	1943.....	3
Canyon Creek Mining Co.....	1954	
Winter Creek Mining Co.....	1955	
Werdenheff Mining Co.....	1959.....	6½ to April 7

Data accumulated by the author indicates that the above list of producers is complete with one possible exception. G. W. Tillotson and C. A. Patterson are said by reliable informants to have produced a small amount of quicksilver with a battery of 8 retorts in 1917. Parks and Swartley (1916, pp. 14 and 53) mention that a small force of men was at work on the property in the fall of 1916 and that a battery of 8 retorts was on the property, but whether this work lead to production in 1917 is unknown.

According to old maps and reports about 3,000 feet of underground work has been done from 6 adits. Most of it was done prior to 1937. Plan maps contained in reports by Gilluly, Reed and Park (1934, p 128) and Schuette (1938, fig. 11) show most of the workings and areas from which ore was mined. However it is believed that more work was done than is shown on any available map.

Much of the recorded development work was done from two principal adits, the Consolidated adit and the lower, or No. 4 adit, both of which enter the east bank of Canyon Creek a few feet above creek level.

All of the adit portals are caved and have been for more than ten years. It is said that the ground penetrated by the several tunnels was very heavy and that most of the work was completely lagged. Square sets were used in the stopes. Thus it is probable that the underground workings are caved throughout.

In 1925 Crams Incorporated was organized and assumed ownership of the mine.

Much of the work on the Consolidated adit level was done by the Pacific Quicksilver Company, the Consolidated Quicksilver Company and the center Construction Company. Gilluly, Reed and Park stated that when the mine was visited in 1930 the Consolidated adit level contained 1500 feet of drifts, one raise to the surface for ventilation and several minor raises. Some stoping had been done in three places. The plan map accompanying their report indicates that these stoped areas are less than 50 feet long and are a linear distance of from 150 to 300 feet apart. The ore was treated in a 2 foot by 24 foot Gould rotary furnace of 12 tons per day capacity.

When Grams Inc. took over operation of the mine in 1931, work was confined to the No. 4 adit level 105 feet below the Consolidated level. A probable downward continuation of one of the ore shoots mined from the Consolidated level was encountered 430 feet from the portal and was subsequently mined from several small stopes. The largest stope reached a height of 10 sets before it reportedly caved, being 8 sets in length and one to two sets wide on the drift floor. No record is available of the quantity of ore treated but maps indicate that in excess of 2000 tons was mined from this and the several smaller stopes. Much of the ore mined in later years has come surface pits overlying these stopes. In 1936 the mine passed into the hands of the R.F.C. in lieu of repayment of a 12,000 dollar development loan.

During 1939 and 1940 much stripping and pit mining was done above the old stopes and farther to the northeast. Small ore bodies exposed with a bulldozer were selectively mined and treated in the 12 ton furnace. At least 87 flasks were produced. The 1939 production of 35 flasks was recovered from carefully selected ore averaging about 10 lbs of quicksilver per ton on recovery. The grade of ore treated in 1940 is unknown but was probably similar to that of 1939.

In 1942 a plant utilizing Triton jigs was erected for the intended purpose of concentrating low grade material mined from the open pits. Several factors

including the lack of ore of sufficient tonnage and grade to maintain the anticipated production and the lack of sufficient water to operate the jigs forced the suspension of operations in 1944. The property then lay idle until 1954 when the claims were relocated by the present owners. A few tons of surface ore was treated in the Herreshoff furnace at the Amity mine in 1954 and a few tons of ore was treated at the Blue Ridge mine in 1955. In June 1956 the property was acquired under purchase agreement by Clyde R. Bellows but little or no development work was done.

Most of the development work performed on the property since the Werdenhoff Mining Company leased the property in late 1958 has been confined to enlarging an open pit overlying the principal stopes above the Consolidated and No. 4 adit levels. The pit is now about 200 feet in maximum length and about 40 feet in maximum depth. An old stope or raise from the Consolidated adit level about 70 feet below the present pit bottom has been cut into and part of an old adit has been cut away. Ore from several small ore shoots scattered about the pit is being selectively mined and treated in a retort of about 1200 lbs per day capacity. The retort consisting of two D-tubes 9 feet long and 20 inches wide was installed during the winter of 1958-1959. It is set on a concrete floor 12 inches thick, 36 feet long, and 20 feet wide and is housed in a corrugated steel building. Water for the plant is piped from a spring about 1800 feet away. Mining is being done with an International T-9 caterpillar type tractor and dozer and an American tractor (500) with attached loader and backhoe.

Geology: The quicksilver deposits at the Mother Lode Mine are among the many small and widely scattered occurrences contained in a broad northeast-trending zone of shearing and hydrothermal alteration which extends from the northern flank of Lookout Mountain across Johnson Creek to the broad flat of Big Summit Prairie, a known distance of nearly four miles.

Rocks exposed in the zone, commonly known as the Johnson Creek quicksilver belt, consist principally of highly altered andesite flows and tuffs of the Clarno formation of Eocene age. The rocks are unconformably overlain in places by younger andesite flows designated by Wilkinson as the Ochoco lavas of Pliocene age. Several basalt dikes have been exposed in the mine workings. The quicksilver deposits are confined to rocks of the Clarno formation.

In addition to many minor occurrences, four mines; the Mother Lode, Amity, Number One and Blue Ridge mines are scattered along the shear zone. The latter three mines whose aggregate production is estimated to be about 800 flasks have been operated intermittently since 1929.

In the vicinity of the quicksilver deposits, the main shear zone is cut by crossfaults having several specific trends. Cinnabar is erratically distributed along some of these faults and particularly, in some areas, at fault intersections. The orebodies are small and scattered but locally very highgrade.

In the past, profitable mining has been prevented by several factors, the most important of which were the limited size of the orebodies and their erratic and unpredictable distribution. Also, because of very heavy ground, most of the underground workings within the zone of shearing had to be timbered and lagged throughout and constantly maintained to prevent caving. At present all of the underground workings in the Johnson Creek zone are caved or partially caved and inaccessible. During the past few years some mining and prospecting has been done on the surface.

Ore shoots thus far developed at the Mother Lode mine have been of small lateral extent and widely separated by relatively barren ground.

Gilluly, Reed and Park described the ore shoots in the Consolidated adit workings as consisting commonly of "small branching irregular stringers and seams. Locally the stringers tend to follow stronger controlling fissures and send out branches from these in all directions. One vein that had been worked just prior to the visit strikes N 45°W and stands vertical. This vein or lode is apparently controlled by a shear surface and ranges in width from 3 inches to about 1 foot. Many narrower

stringers branch from it into the northeast wall, but the southwest wall, in the exposed workings, seems to be less mineralized. These stringers range in thickness from a knife-edge to about half an inch, but most are less than one eighth inch thick."

"-----Considerable stoping has been done near the end of the northeast drift, a stope there in gougy basalt being about 40 feet high and 15 to 20 feet wide. A little cinnabar remains in the clay of the walls. Several other stopes have been worked; one, near the junction of the southwest branch with the main drift, is about 50 feet long and follows a vein that strikes N 60°E. and dips steeply south. This stope extends to the upper level. Much of the old work in the mine is caved, so that the extent of other stoping was not determined."

"The tenor of the ore is unknown, but to judge from the material exposed in the mine it must be rather low. It would be difficult to select any considerable tonnage carrying more than one half of 1 per cent of quicksilver; probably even this limit would be hard to maintain."

The description of the ore shoots developed in the Consolidated workings as given by Gilluly, Reed and Park described those now being mined by the Werdenhoff Mining Co. The principal ore shoots presently exposed in the open pit are contained within fracture zones trending roughly N 10°E. In one of the ore shoots exposed in the northeast wall of the pit, cinnabar occurs as thin films on fracture surfaces and as narrow veinlets up to 1/8 inch thick trending in all directions but lying within a zone about 2 feet wide trending N 10°E. The ore shoot has an exposed length of about 15 feet. A sample taken across the strike assayed 10.1 lbs per ton. A similar though probably larger body is exposed near the middle of the pit. The most of the 6½ flasks of quicksilver recovered to April 7 was mined from a trench about 20 feet long, 5 feet wide, and 10 to 12 feet deep, sunk on this shoot. It is estimated that the ore treated must have averaged about 30 lbs of quicksilver per ton, although small pods of considerably higher grade were recovered. An estimated 80 tons of

material had thus far been saved during the process of sorting high grade from the trench. A sample taken from the surface of the dump assayed 1.9 lbs per ton.

Cinnabar seams and veinlets have been found in several other places in the pit but they can hardly be considered ore particularly in view of the capacity of the retort now employed. Much more thorough sampling of the material exposed in the pit must be done to determine whether it could be profitably treated in a larger plant. It must also be born in mind that some ore has been removed from the underground workings directly below this pit.

Bibliography:

Galliat, James, Reed, J. C., and Park, C. F. Jr., 1934, Some Mining Districts of Eastern Oregon, USGS Bull. 846 A, pp. 121-123.

Schuette, C. N., 1938, Quicksilver in Oregon: Oregon Department Geology and Mineral Industries Bull. 4, pp 98-99.

Stephenson, E. L., 1943, Geophysical Surveys in the Ochoco Quicksilver District, Oregon, USGS Bull. 940-C.

Report by: Howard C. Brooks

Date of last Exam: April 7, 1959

Date of report: May 12, 1959